

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061352.D
 Acq On : 27 Mar 2019 13:35
 Operator : VA/AP
 Sample : VSTICCC075
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Mar 28 01:55:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 01:47:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	743351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1327164	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	935725	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	436397	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	452354	71.38	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	142.76%	
35) Dibromofluoromethane	6.90	113	708704	69.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.72%	
50) Toluene-d8	10.38	98	1716191	70.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.14%	
62) 4-Bromofluorobenzene	13.54	95	636136	68.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	580891	73.313	ug/l	99
3) Chloromethane	1.76	50	466407	72.180	ug/l	100
4) Vinyl Chloride	1.85	62	448220	75.544	ug/l	97
5) Bromomethane	2.15	94	80589	67.155	ug/l	99
6) Chloroethane	2.26	64	136671	78.544	ug/l	99
7) Trichlorofluoromethane	2.53	101	573365	66.309	ug/l	100
8) Diethyl Ether	2.86	74	199590	71.849	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	668900	72.041	ug/l	99
10) Methyl Iodide	3.30	142	1067785	87.038	ug/l	99
11) Tert butyl alcohol	4.04	59	156842	397.340	ug/l	99
12) 1,1-Dichloroethene	3.12	96	591272	74.127	ug/l	96
13) Acrolein	3.03	56	111746	329.349	ug/l	95
14) Allyl chloride	3.61	41	823178	74.063	ug/l	99
15) Acrylonitrile	4.17	53	519948	379.532	ug/l	96
16) Acetone	3.21	43	686446	418.496	ug/l	100
17) Carbon Disulfide	3.37	76	1822158	70.315	ug/l	98
18) Methyl Acetate	3.62	43	254936	74.426	ug/l	100
19) Methyl tert-butyl Ether	4.21	73	1072394	77.739	ug/l	99
20) Methylene Chloride	3.80	84	665129	64.051	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	624860	72.549	ug/l	99
22) Diisopropyl ether	5.10	45	1732702	73.624	ug/l	99
23) Vinyl Acetate	5.03	43	4689903	365.584	ug/l	100
24) 1,1-Dichloroethane	4.96	63	999374	72.218	ug/l	99
25) 2-Butanone	6.04	43	820193	400.171	ug/l	100
26) 2,2-Dichloropropane	6.00	77	834877	76.002	ug/l	97
27) cis-1,2-Dichloroethene	6.01	96	719072	76.332	ug/l	96
28) Bromochloromethane	6.42	49	409390	73.417	ug/l #	93
29) Tetrahydrofuran	6.43	42	390216	392.805	ug/l	99
30) Chloroform	6.64	83	1071269	75.051	ug/l	99
31) Cyclohexane	6.94	56	790811	72.444	ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	907953	72.102	ug/l	98
36) 1,1-Dichloropropene	7.13	75	735340	63.481	ug/l	99
37) Ethyl Acetate	6.15	43	354905	71.685	ug/l	97
38) Carbon Tetrachloride	7.09	117	957119	71.084	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	837056	69.386	ug/l	99
40) Benzene	7.43	78	1942256	66.812	ug/l	96
41) Methacrylonitrile	6.42	41	436067	75.257	ug/l #	95
42) 1,2-Dichloroethane	7.55	62	628527	72.280	ug/l	98
43) Isopropyl Acetate	9.21	43	563199	78.138	ug/l #	98
44) Trichloroethene	8.51	130	783984	72.467	ug/l	95
45) 1,2-Dichloropropane	8.92	63	526088	71.368	ug/l	100
46) Dibromomethane	9.04	93	370806	74.736	ug/l	96
47) Bromodichloromethane	9.35	83	818837	73.531	ug/l	97
48) Methyl methacrylate	9.09	41	291182	73.201	ug/l	96
49) 1,4-Dioxane	9.06	88	69343	1580.450	ug/l	96
51) 4-Methyl-2-Pentanone	10.28	43	1560882	356.027	ug/l	96
52) Toluene	10.48	92	1250517	70.511	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	733373	72.485	ug/l	100
54) cis-1,3-Dichloropropene	10.01	75	858731	69.704	ug/l	97
55) 1,1,2-Trichloroethane	11.16	97	455545	73.447	ug/l	99
56) Ethyl methacrylate	11.01	69	484933	72.779	ug/l	96
57) 1,3-Dichloropropane	11.39	76	639841	70.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.83	63	1015192	312.861	ug/l	99
59) 2-Hexanone	11.51	43	1144173	360.124	ug/l	97
60) Dibromochloromethane	11.66	129	705855	73.821	ug/l	98
61) 1,2-Dibromoethane	11.78	107	520113	72.418	ug/l	97
64) Tetrachloroethene	11.23	164	553218	75.332	ug/l	97
65) Chlorobenzene	12.38	112	1471452	76.946	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.49	131	550481	74.346	ug/l	98
67) Ethyl Benzene	12.51	91	1990570	68.196	ug/l	99
68) m/p-Xylenes	12.65	106	1615593	146.117	ug/l	95
69) o-Xylene	13.03	106	851673	79.375	ug/l	99
70) Styrene	13.05	104	1466054	78.381	ug/l	95
71) Bromoform	13.22	173	388807	82.837	ug/l	98
73) Isopropylbenzene	13.39	105	1903121	62.659	ug/l	100
74) N-amyl acetate	13.25	43	600005	70.915	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.68	83	458741	71.598	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	469586	74.492	ug/l	99
77) Bromobenzene	13.65	156	644385	71.564	ug/l	91
78) n-propylbenzene	13.76	91	2477471	66.654	ug/l	98
79) 2-Chlorotoluene	13.83	91	1333643	66.069	ug/l	97
80) 1,3,5-Trimethylbenzene	14.22	105	1895483	74.295	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	155798	81.058	ug/l	99
82) 4-Chlorotoluene	13.93	91	1395392	63.587	ug/l	88
83) tert-Butylbenzene	14.17	119	2136587	72.548	ug/l	97
84) 1,2,4-Trimethylbenzene	14.22	105	1895483	74.295	ug/l	98
85) sec-Butylbenzene	14.35	105	2037502	65.123	ug/l	99
86) p-Isopropyltoluene	14.48	119	1719114	64.980	ug/l	100
87) 1,3-Dichlorobenzene	14.44	146	1066648	69.954	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1008802	67.843	ug/l	99
89) n-Butylbenzene	14.78	91	1437533	59.201	ug/l	99
90) Hexachloroethane	14.99	117	554091	74.135	ug/l	75
91) 1,2-Dichlorobenzene	14.79	146	753791	60.270	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	59042	78.570	ug/l	85

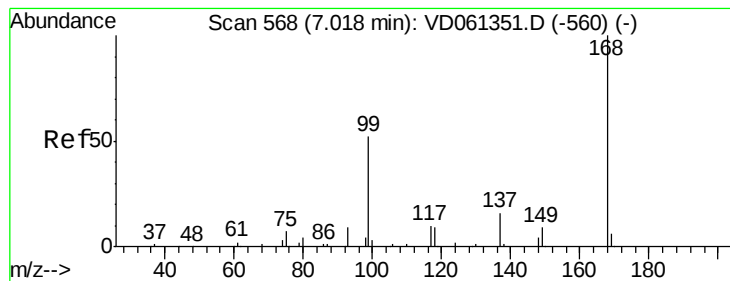
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	381903	67.032	ug/l	95
94) Hexachlorobutadiene	16.03	225	276498	62.106	ug/l	99
95) Naphthalene	16.11	128	616377	70.976	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	145026	57.846	ug/l	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

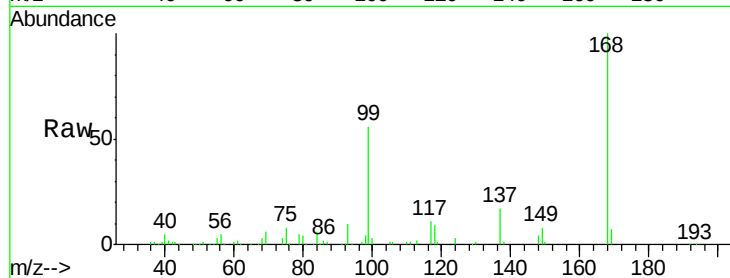
VSTDIC075

Tgt Ion:168 Resp: 743351

Ion Ratio Lower Upper

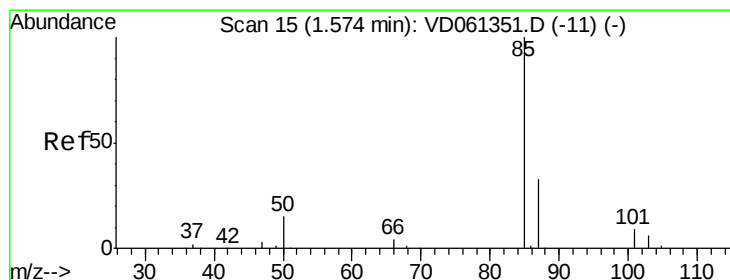
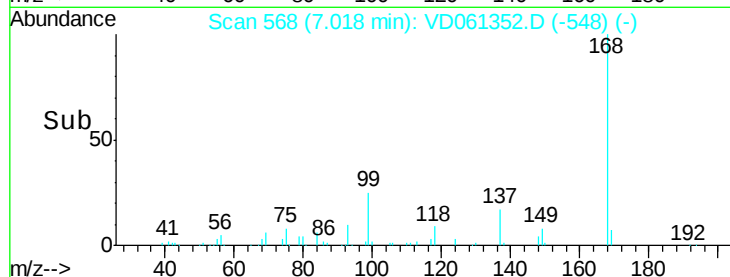
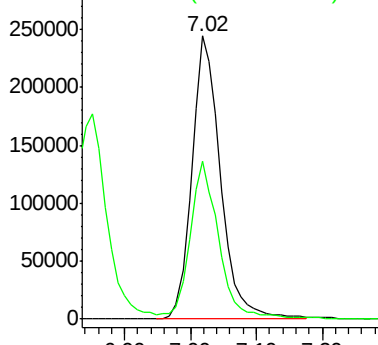
168 100

99 55.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 73.313 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061352.D

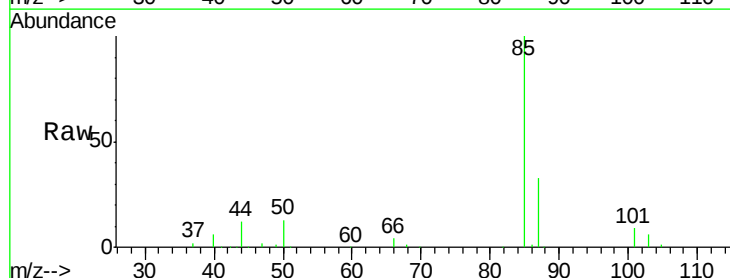
Acq: 27 Mar 2019 13:35

Tgt Ion: 85 Resp: 580891

Ion Ratio Lower Upper

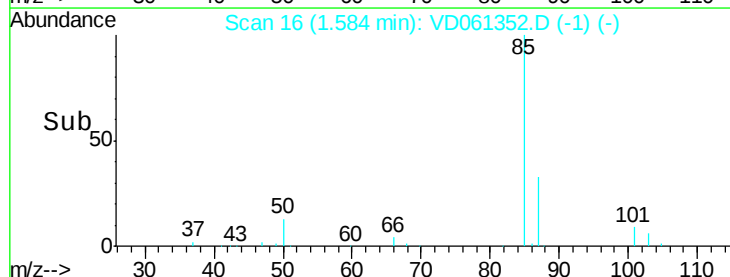
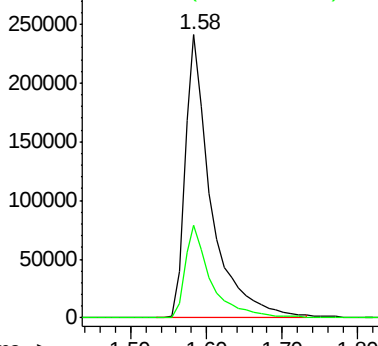
85 100

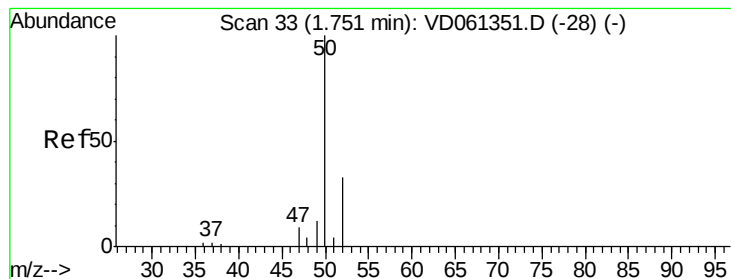
87 32.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 72.180 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

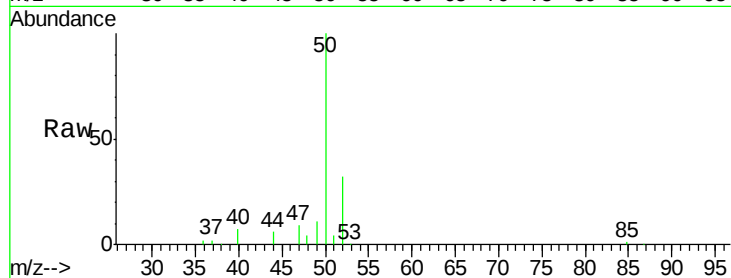
VSTDIC075

Tgt Ion: 50 Resp: 466407

Ion Ratio Lower Upper

50 100

52 32.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

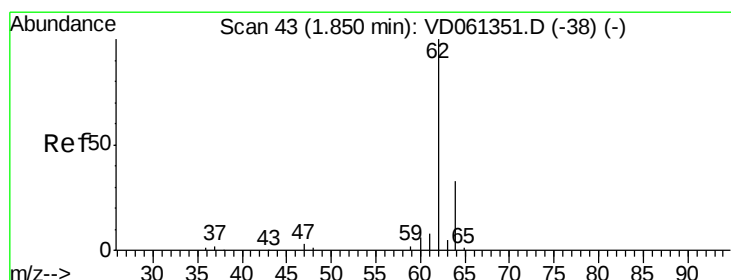
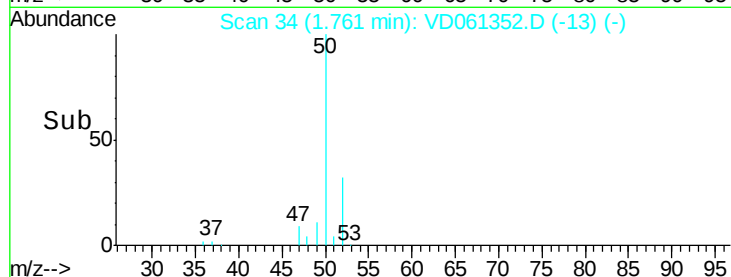
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 75.544 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061352.D

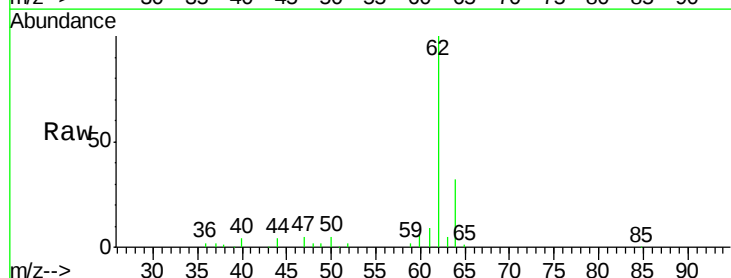
Acq: 27 Mar 2019 13:35

Tgt Ion: 62 Resp: 448220

Ion Ratio Lower Upper

62 100

64 31.7 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

200000

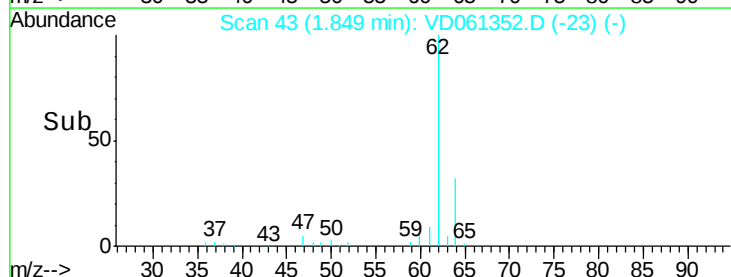
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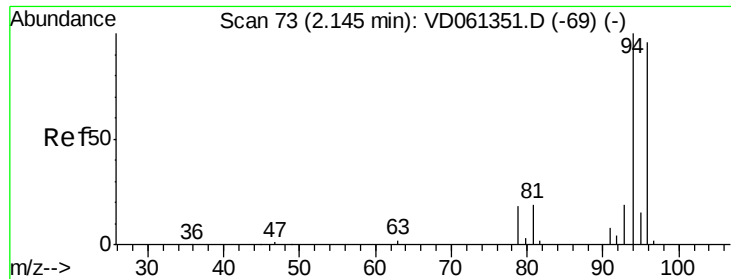
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50000

0

Time-->

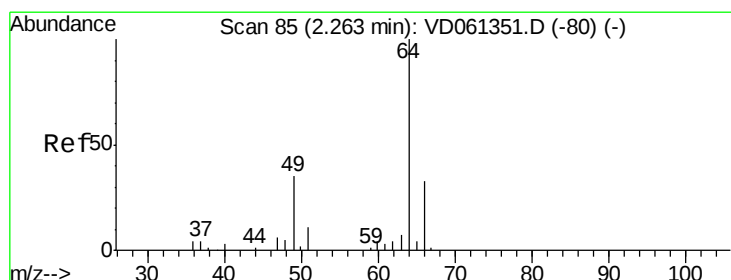
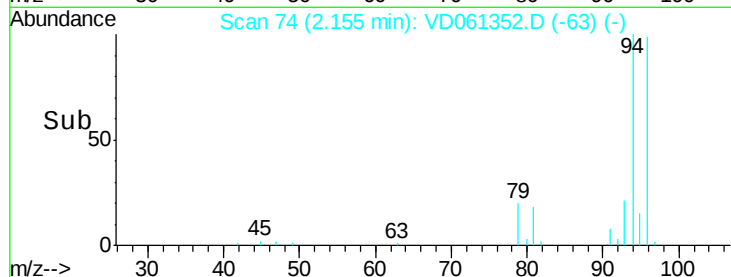
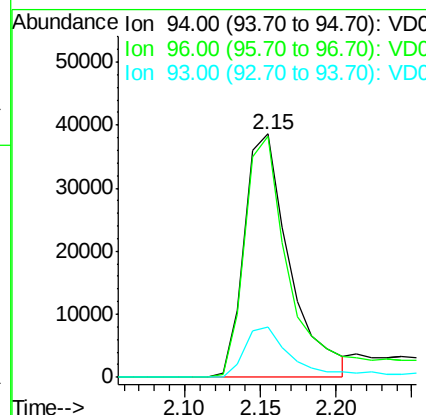
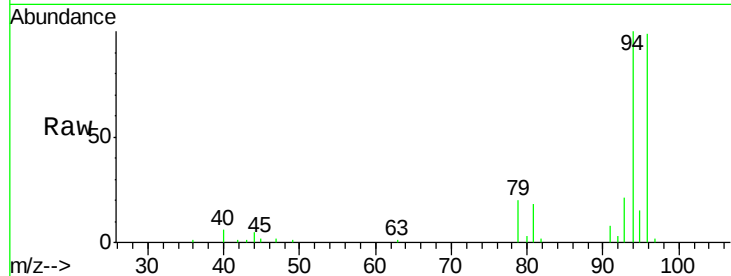




#5
Bromomethane
Concen: 67.155 ug/l
RT: 2.15 min Scan# 74
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

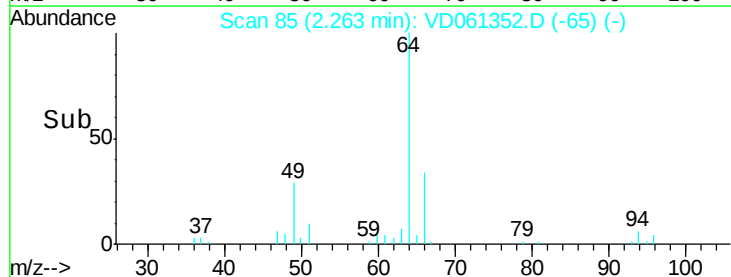
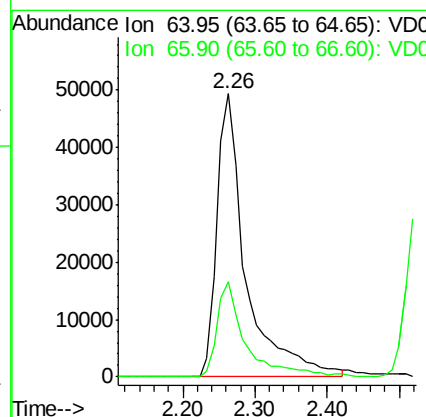
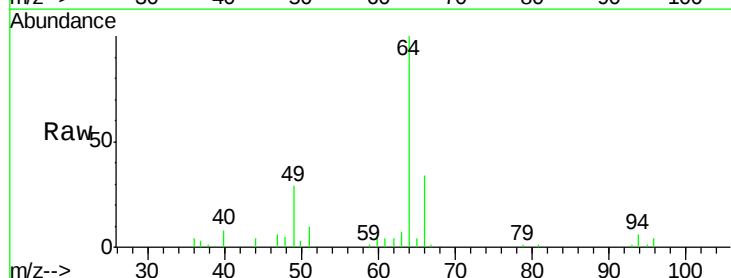
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

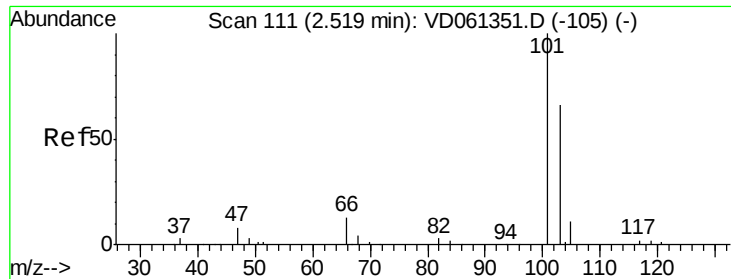
Tgt Ion: 94 Resp: 80589
Ion Ratio Lower Upper
94 100
96 99.0 78.3 117.5
93 20.9 15.6 23.4



#6
Chloroethane
Concen: 78.544 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 64 Resp: 136671
Ion Ratio Lower Upper
64 100
66 33.5 26.2 39.2



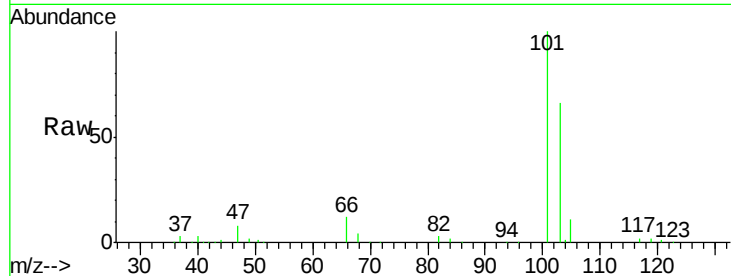


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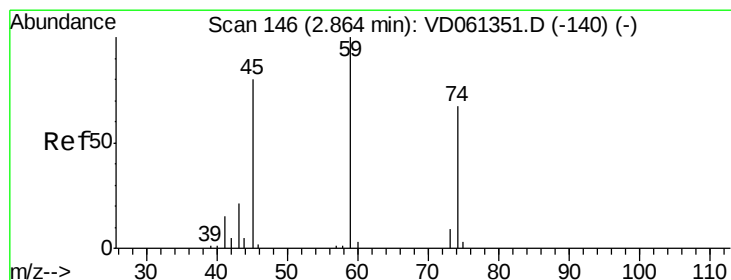
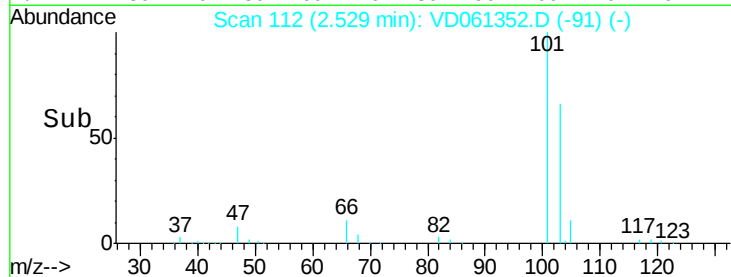
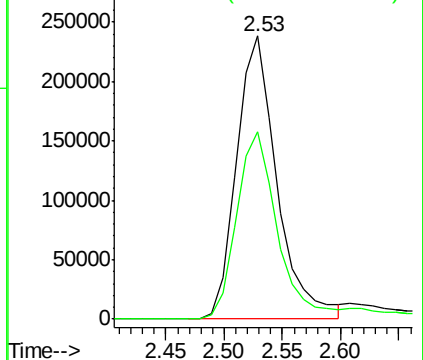
Trichlorofluoromethane
Concen: 66.309 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:101 Resp: 573365
Ion Ratio Lower Upper
101 100
103 66.0 53.1 79.7



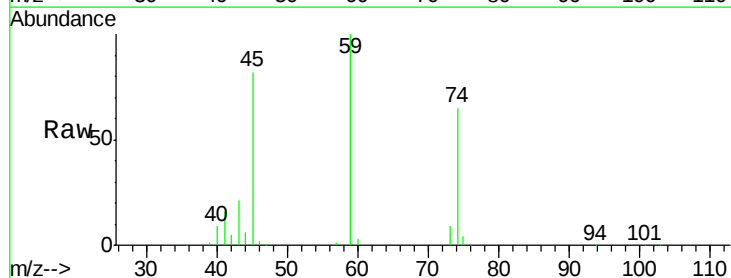
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



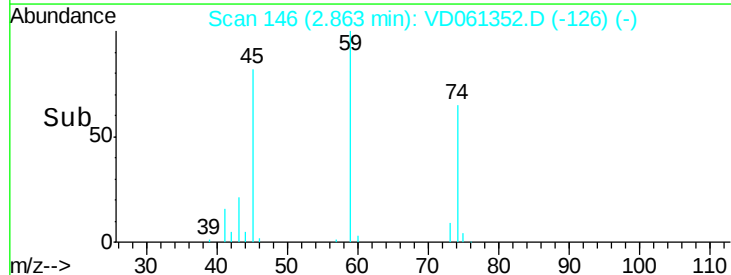
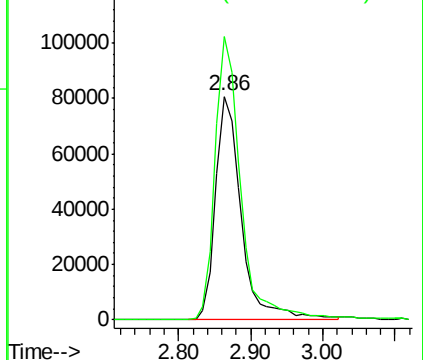
#8

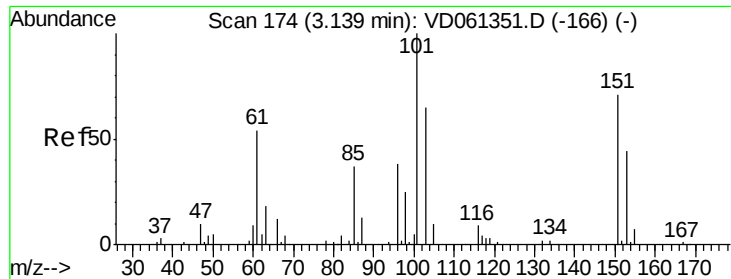
Diethyl Ether
Concen: 71.849 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 74 Resp: 199590
Ion Ratio Lower Upper
74 100
45 126.7 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC

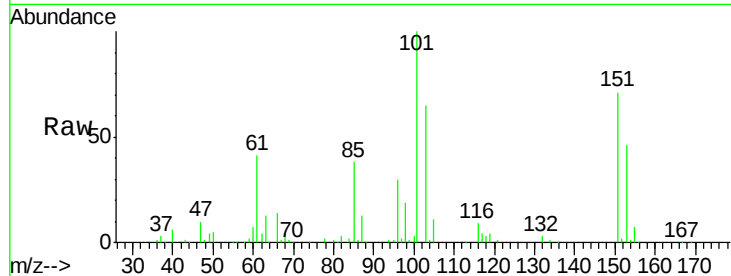




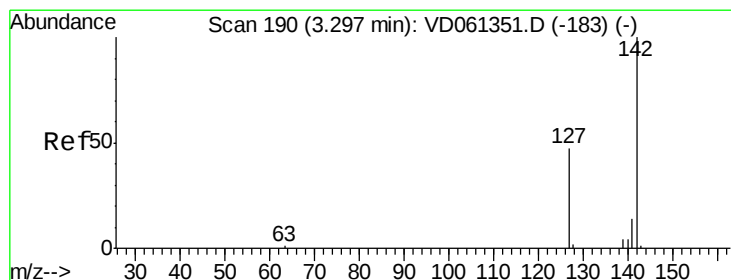
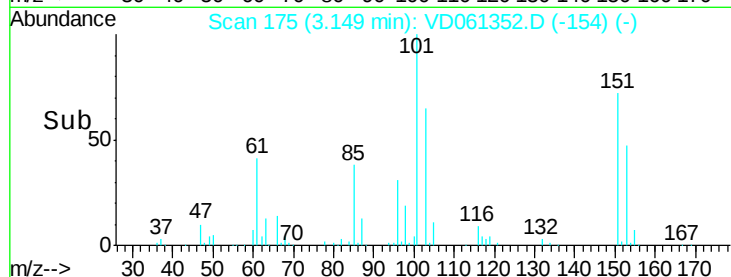
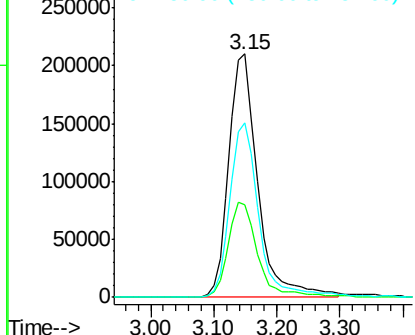
#9
1,1,2-Trichlorotrifluoroethane
Concen: 72.041 ug/l
RT: 3.15 min Scan# 175
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:101 Resp: 668900
Ion Ratio Lower Upper
101 100
85 38.0 29.4 44.0
151 71.5 57.0 85.4

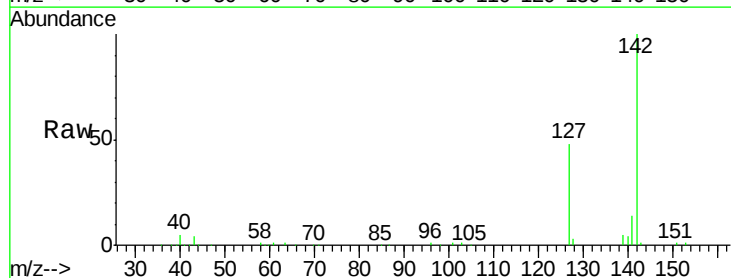


Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V

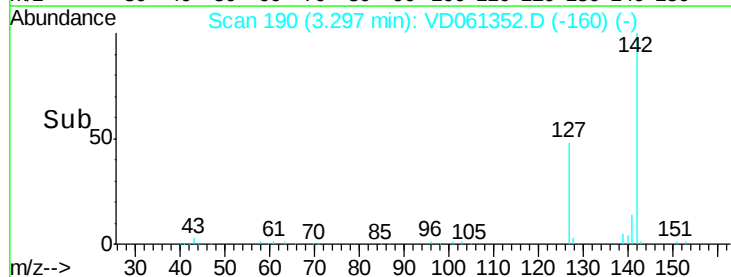
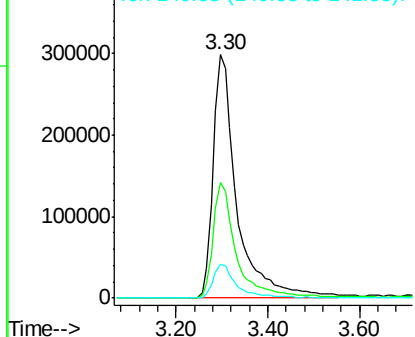


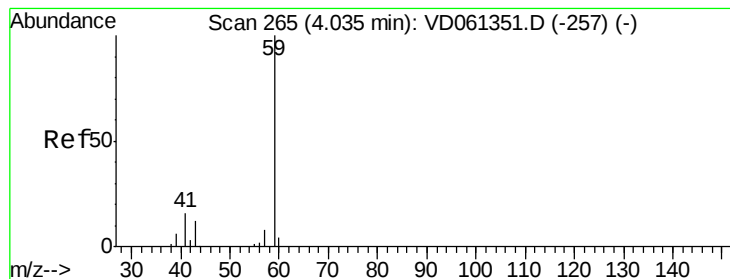
#10
Methyl Iodide
Concen: 87.038 ug/l
RT: 3.30 min Scan# 190
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion:142 Resp: 1067785
Ion Ratio Lower Upper
142 100
127 47.7 37.7 56.5
141 13.9 11.5 17.3



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V



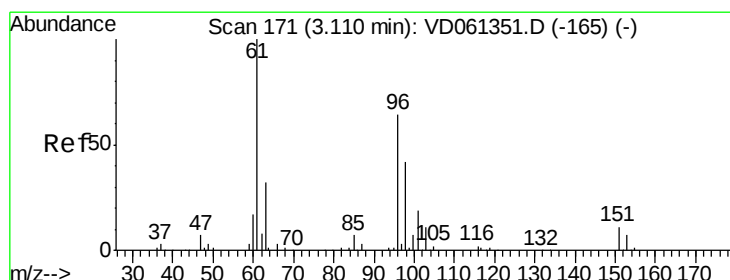
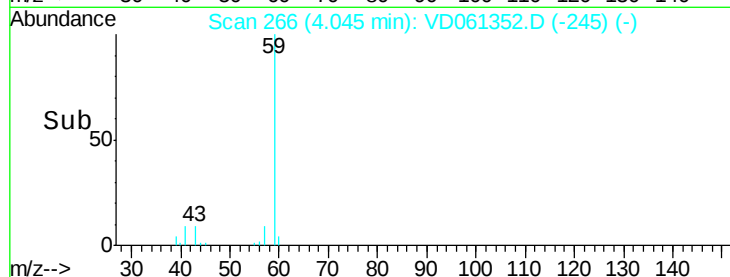
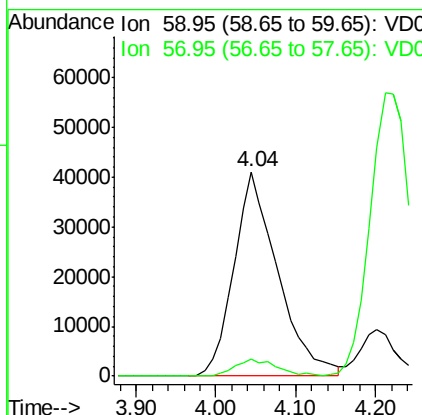
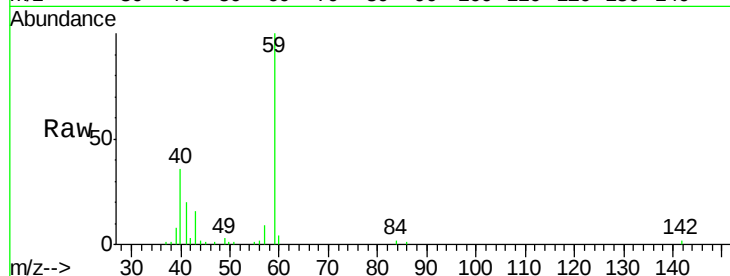


#11

Tert butyl alcohol
Concen: 397.340 ug/l
RT: 4.04 min Scan# 266
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

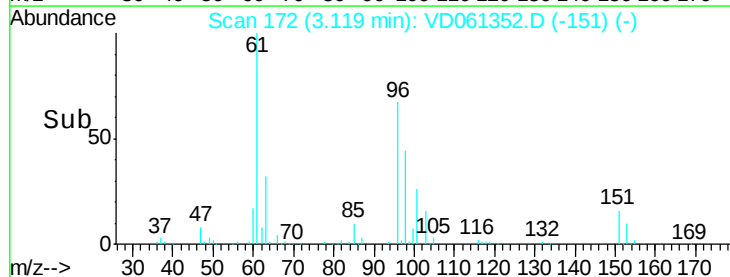
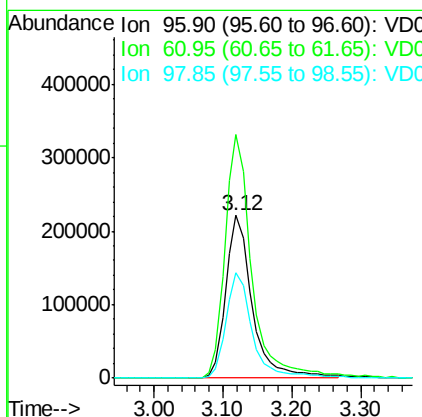
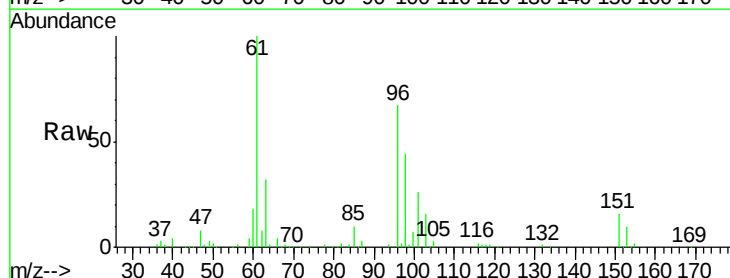
Tgt Ion: 59 Resp: 156842
Ion Ratio Lower Upper
59 100
57 8.6 6.7 10.1

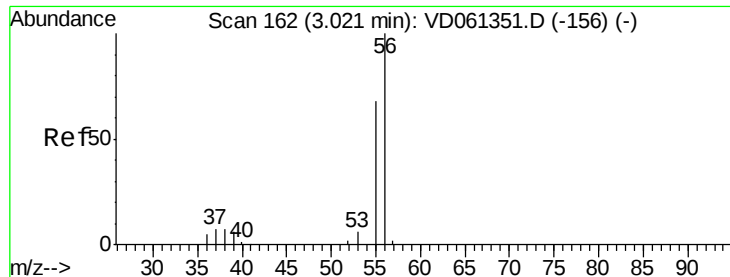


#12

1,1-Dichloroethene
Concen: 74.127 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 96 Resp: 591272
Ion Ratio Lower Upper
96 100
61 149.7 124.9 187.3
98 65.2 52.5 78.7

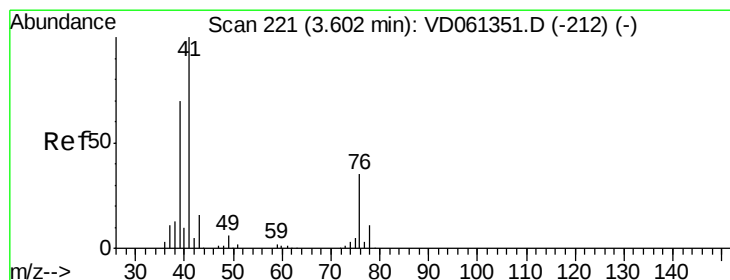
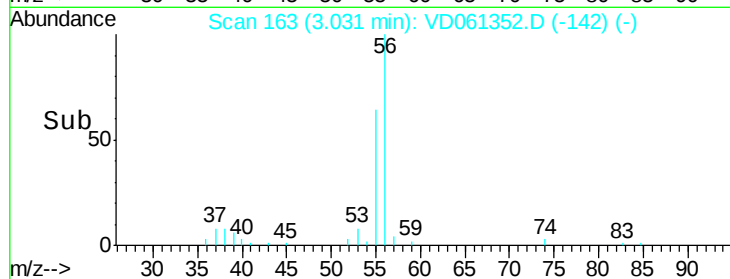
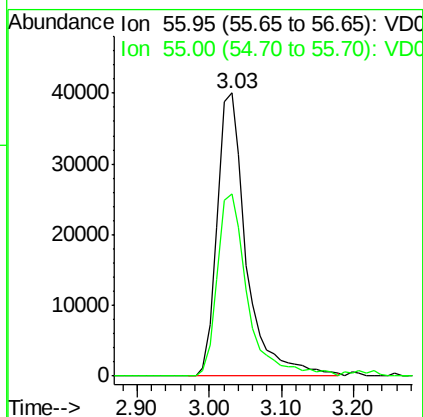
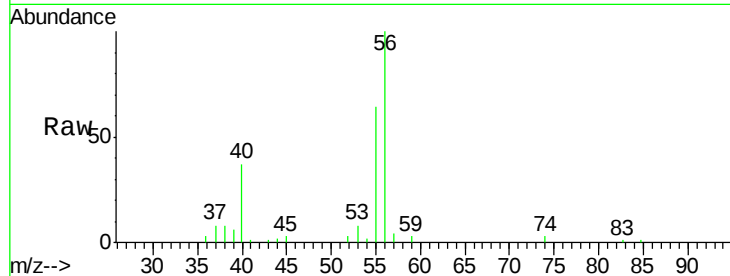




#13
Acrolein
Concen: 329.349 ug/l
RT: 3.03 min Scan# 163
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

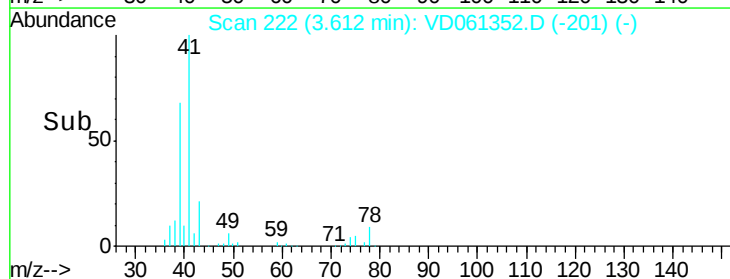
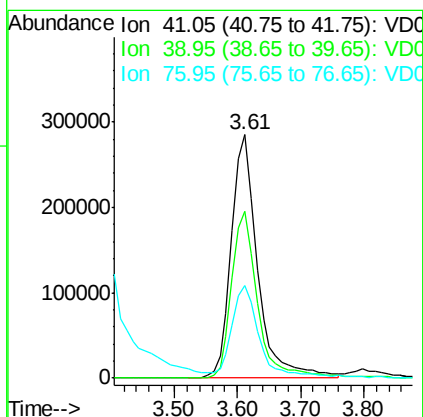
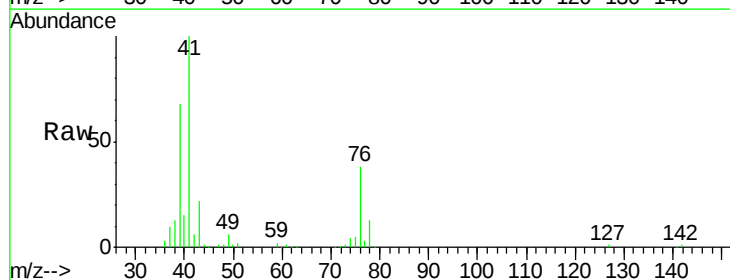
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

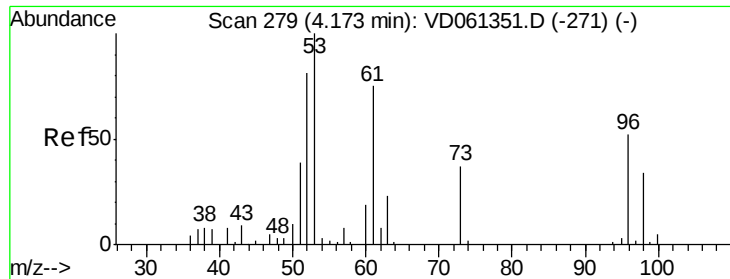
Tgt Ion: 56 Resp: 111746
Ion Ratio Lower Upper
56 100
55 64.4 54.6 82.0



#14
Allyl chloride
Concen: 74.063 ug/l
RT: 3.61 min Scan# 222
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 41 Resp: 823178
Ion Ratio Lower Upper
41 100
39 68.3 55.6 83.4
76 38.1 31.0 46.6

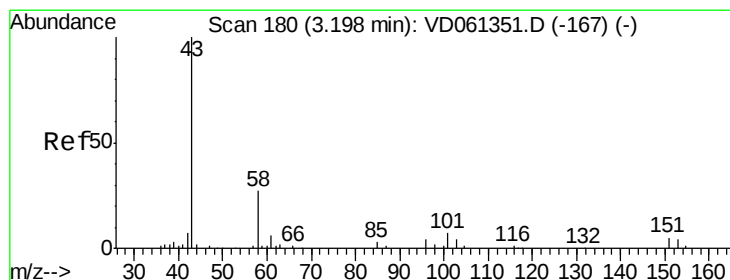
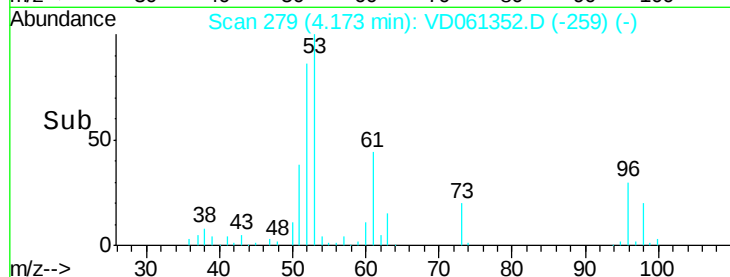
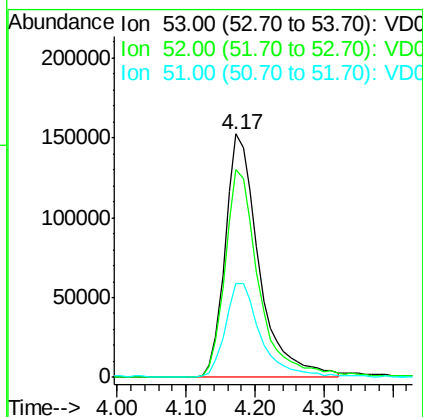
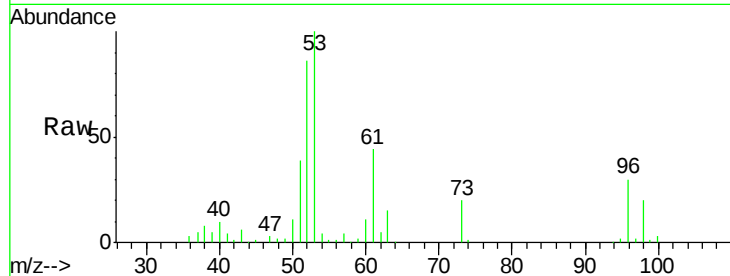




#15
 Acrylonitrile
 Concen: 379.532 ug/l
 RT: 4.17 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

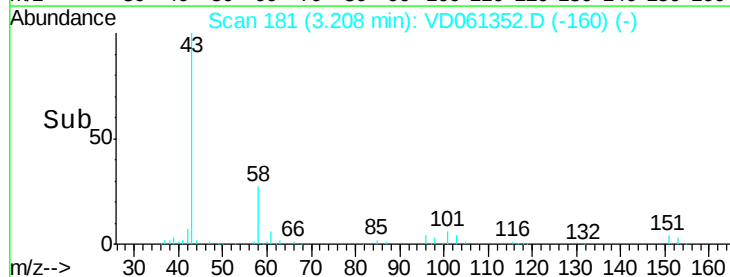
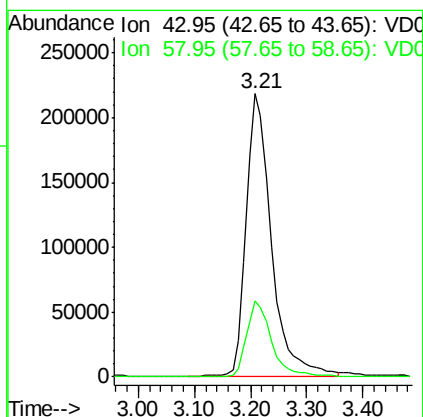
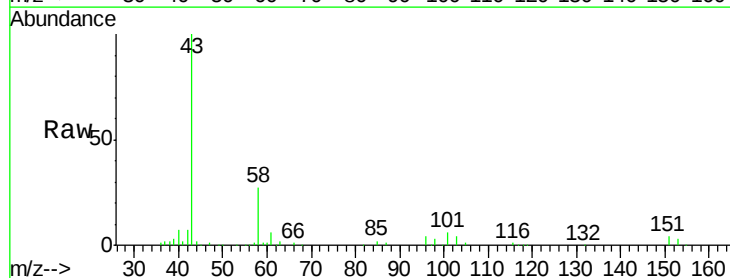
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

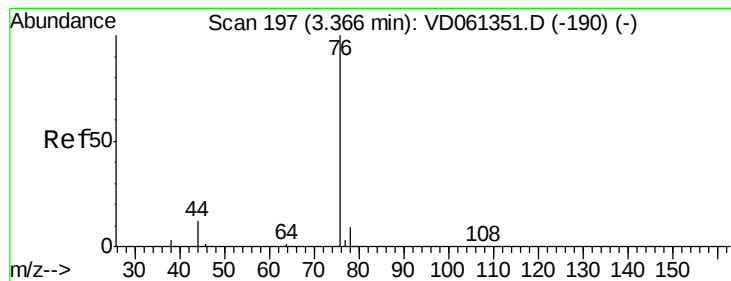
Tgt Ion: 53 Resp: 519948
 Ion Ratio Lower Upper
 53 100
 52 85.6 64.8 97.2
 51 38.8 31.4 47.2



#16
 Acetone
 Concen: 418.496 ug/l
 RT: 3.21 min Scan# 181
 Delta R.T. 0.01 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Tgt Ion: 43 Resp: 686446
 Ion Ratio Lower Upper
 43 100
 58 26.8 21.5 32.3





#17

Carbon Disulfide

Concen: 70.315 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

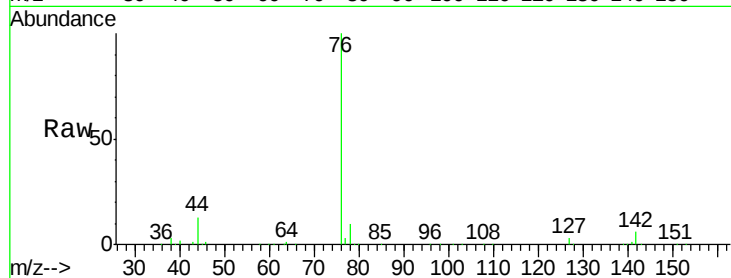
VSTDIC075

Tgt Ion: 76 Resp: 1822158

Ion Ratio Lower Upper

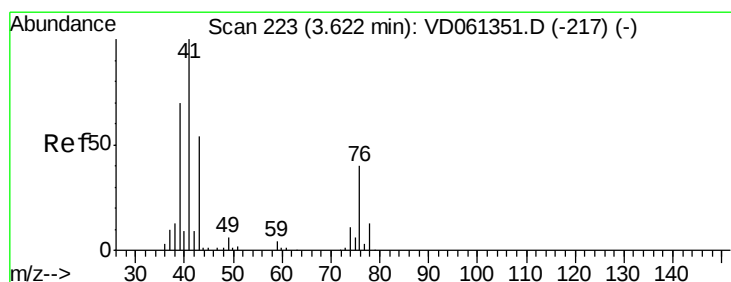
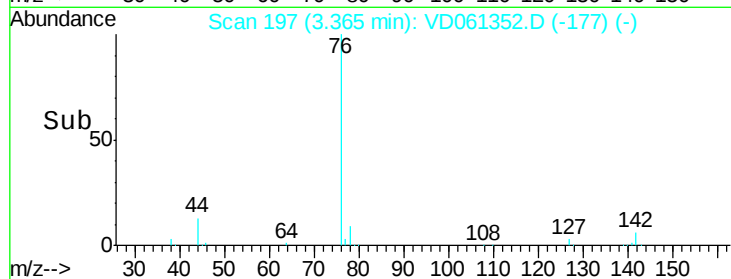
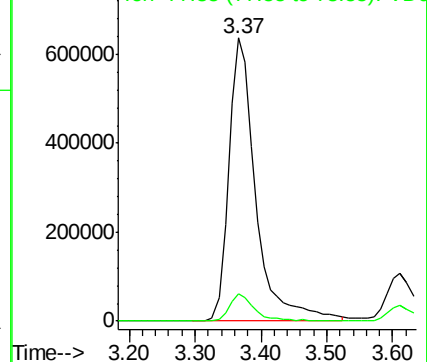
76 100

78 9.5 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 74.426 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061352.D

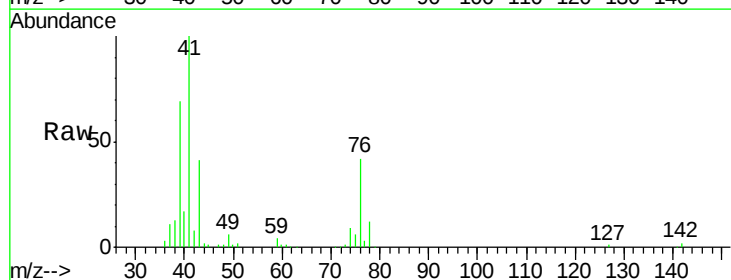
Acq: 27 Mar 2019 13:35

Tgt Ion: 43 Resp: 254936

Ion Ratio Lower Upper

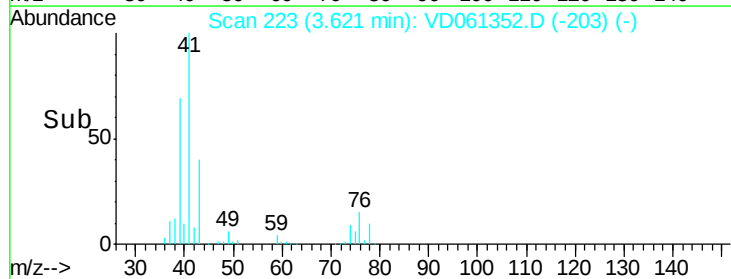
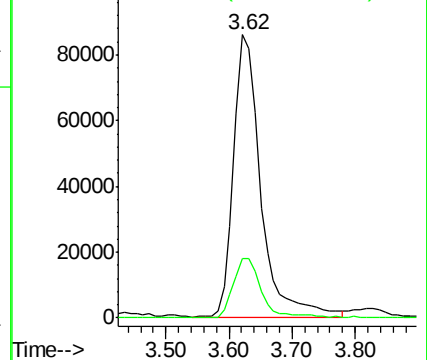
43 100

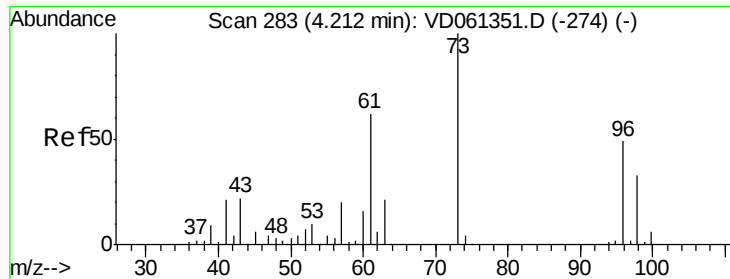
74 21.0 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

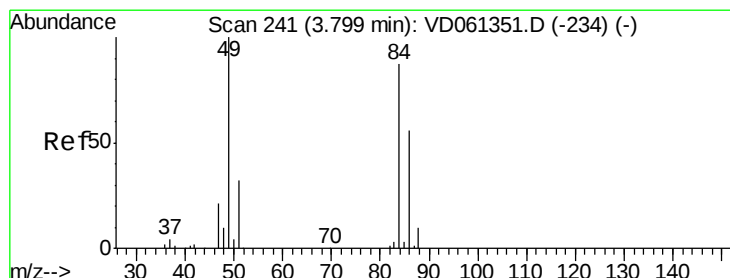
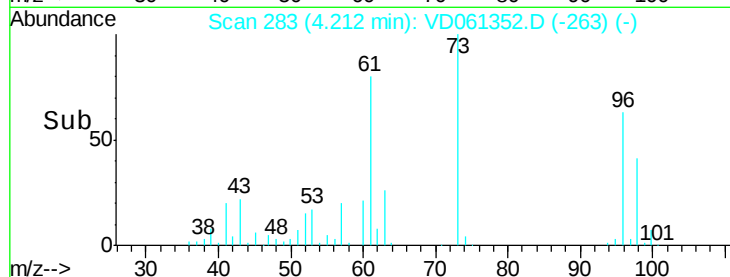
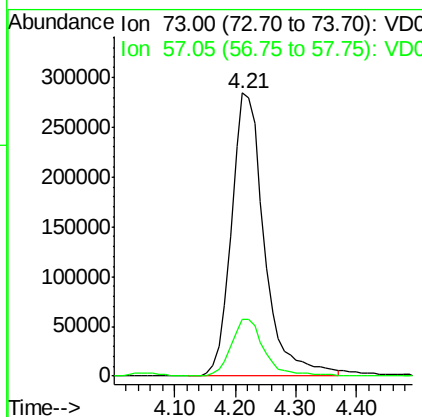
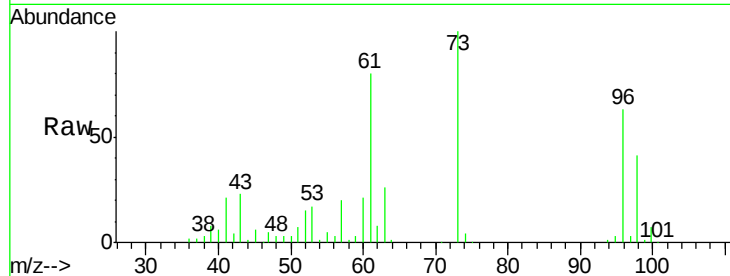




#19
Methyl tert-butyl Ether
Concen: 77.739 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

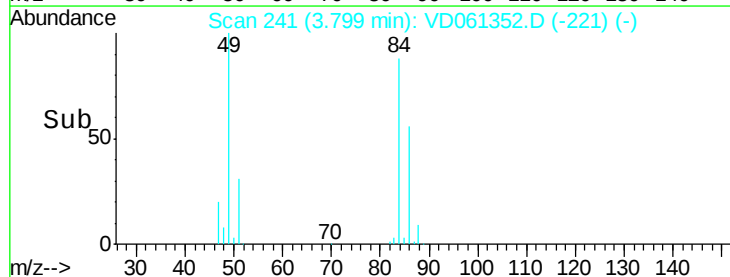
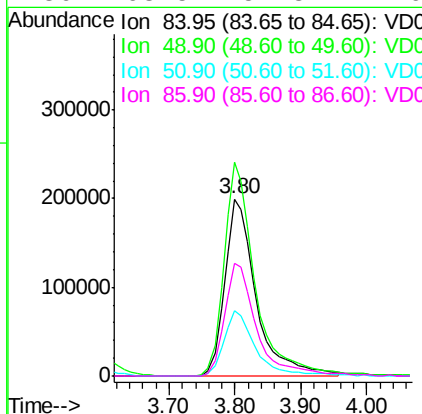
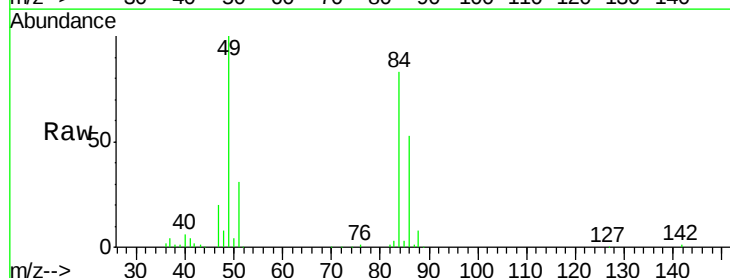
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

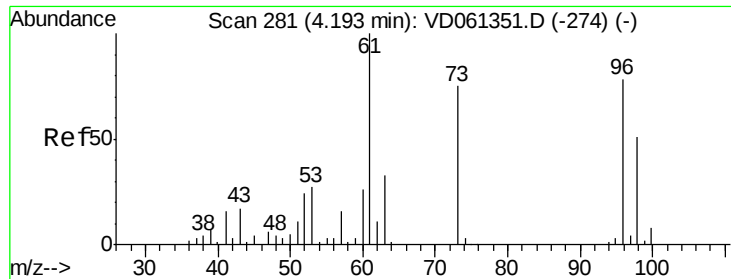
Tgt Ion: 73 Resp: 1072394
Ion Ratio Lower Upper
73 100
57 20.0 16.4 24.6



#20
Methylene Chloride
Concen: 64.051 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 84 Resp: 665129
Ion Ratio Lower Upper
84 100
49 120.5 91.8 137.8
51 36.9 29.8 44.8
86 63.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 72.549 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

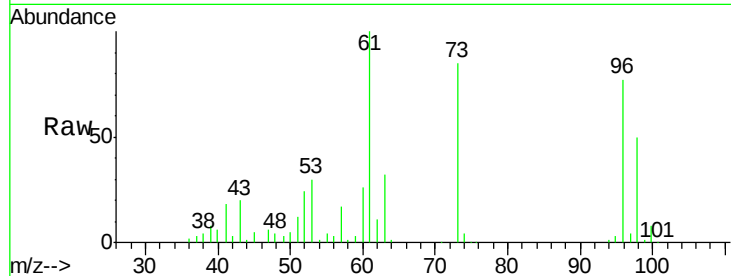
Tgt Ion: 96 Resp: 624860

Ion Ratio Lower Upper

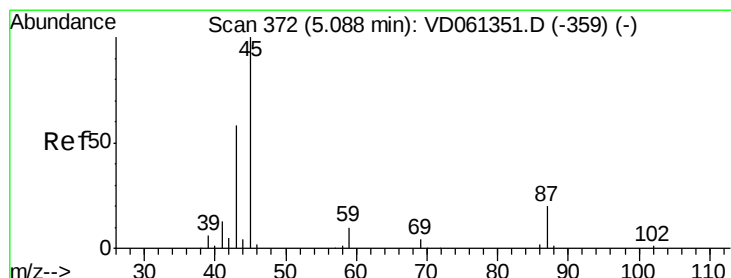
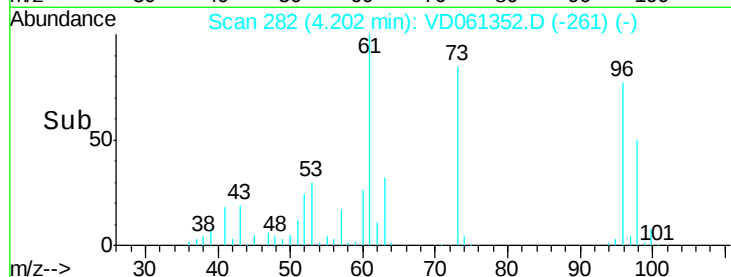
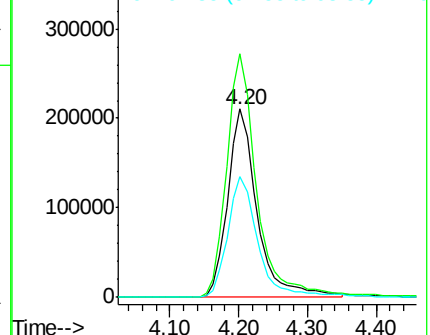
96 100

61 129.5 102.7 154.1

98 64.4 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 73.624 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Tgt Ion: 45 Resp: 1732702

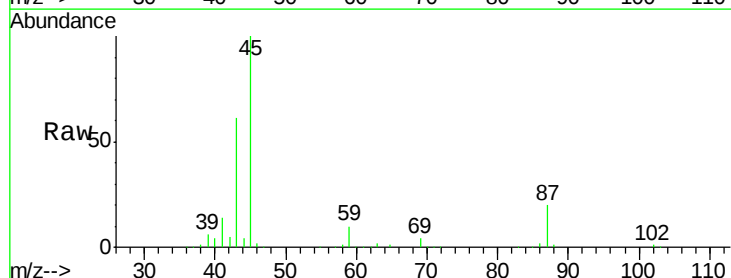
Ion Ratio Lower Upper

45 100

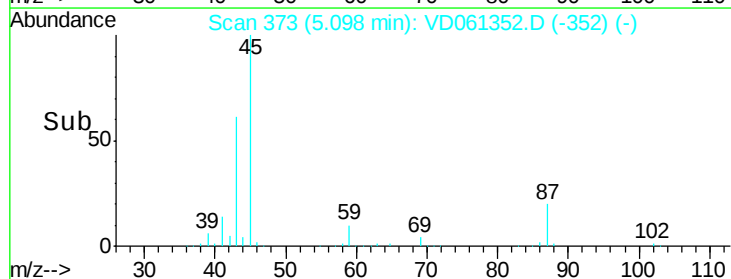
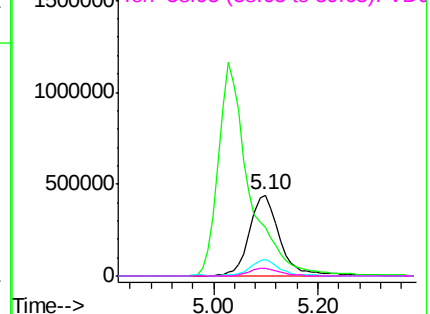
43 60.9 47.4 71.2

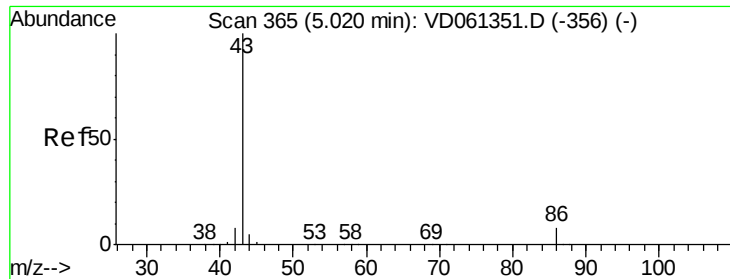
87 20.4 16.3 24.5

59 10.2 8.4 12.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 365.584 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

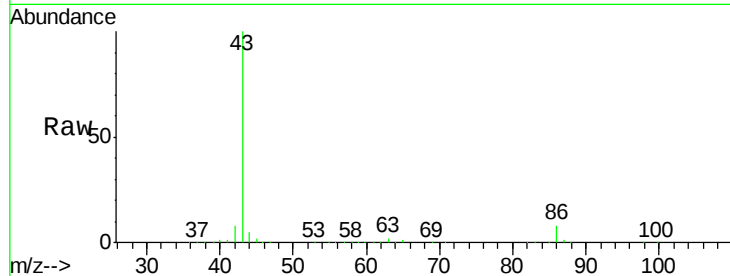
VSTDIC075

Tgt Ion: 43 Resp: 4689903

Ion Ratio Lower Upper

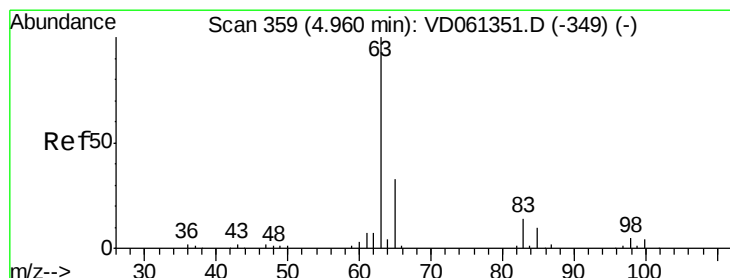
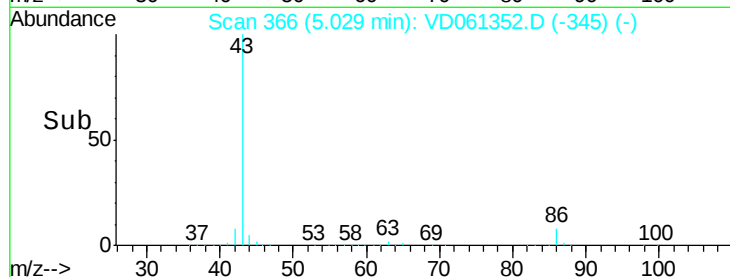
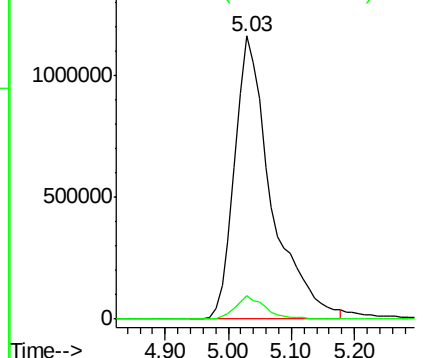
43 100

86 8.3 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 72.218 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

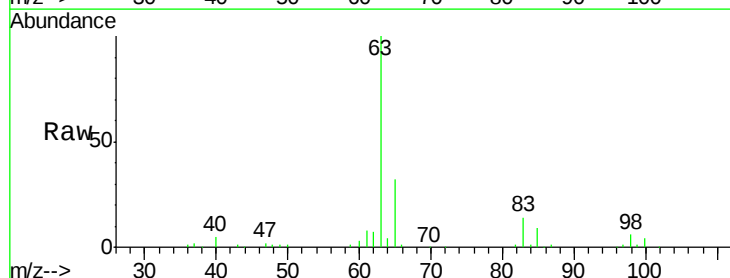
Tgt Ion: 63 Resp: 999374

Ion Ratio Lower Upper

63 100

98 5.5 2.6 8.0

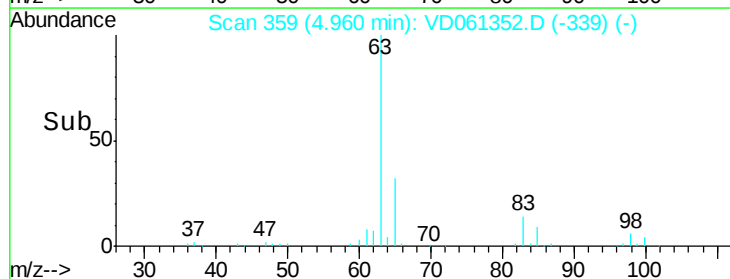
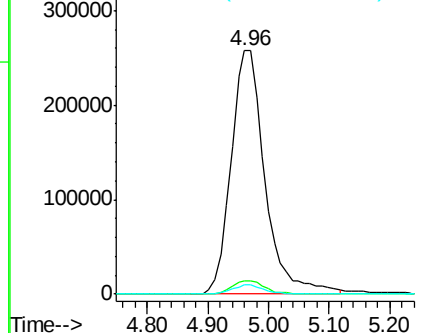
100 3.7 1.8 5.3

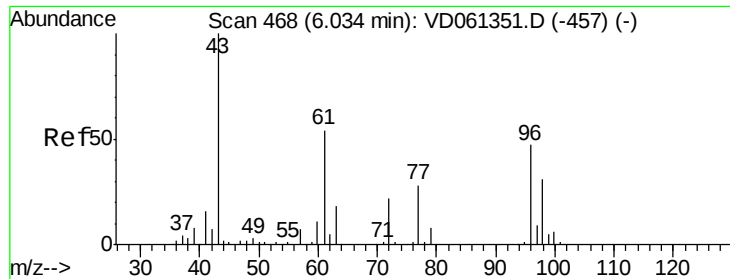


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 400.171 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

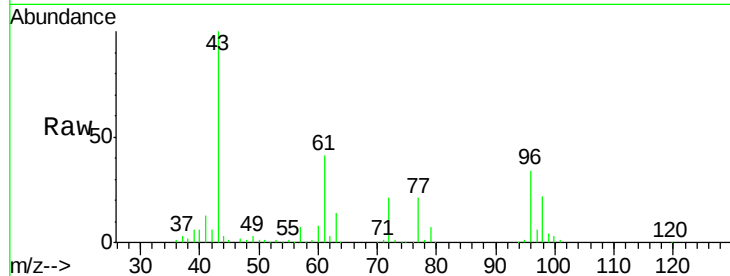
VSTDIC075

Tgt Ion: 43 Resp: 820193

Ion Ratio Lower Upper

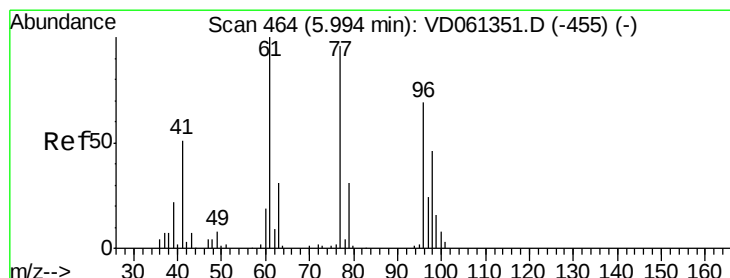
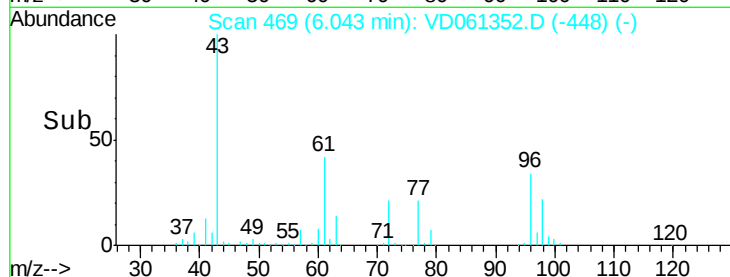
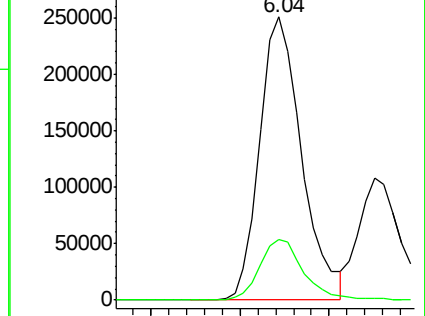
43 100

72 21.3 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 76.002 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD061352.D

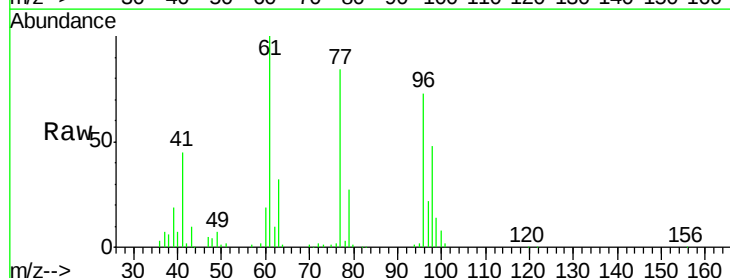
Acq: 27 Mar 2019 13:35

Tgt Ion: 77 Resp: 834877

Ion Ratio Lower Upper

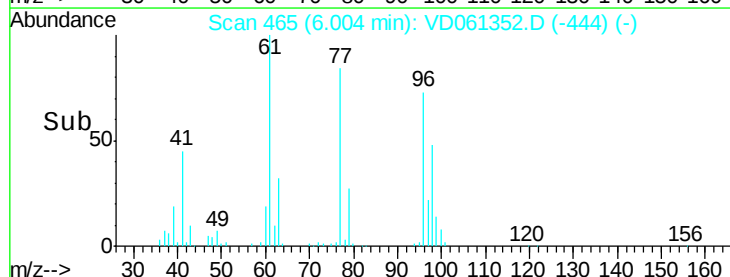
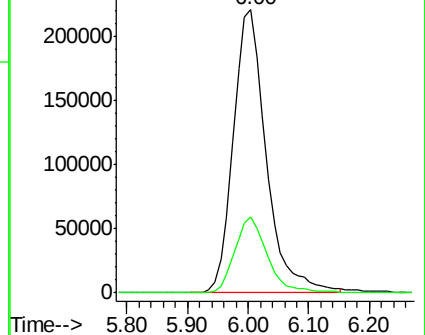
77 100

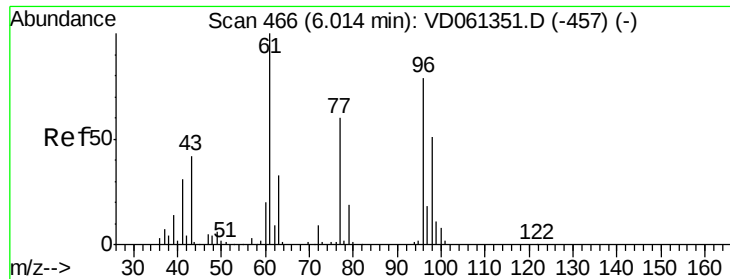
97 26.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



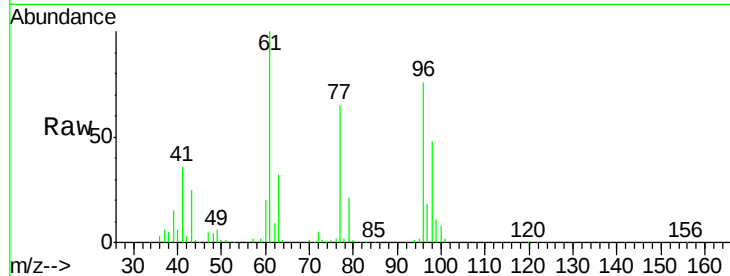


#27

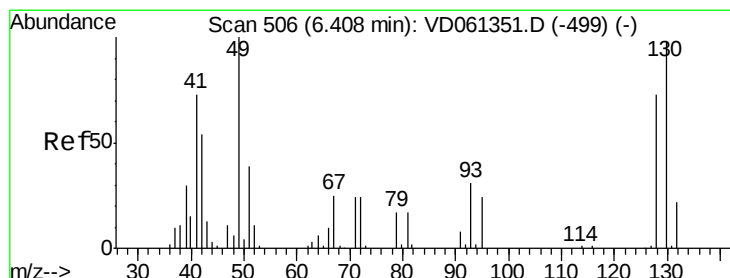
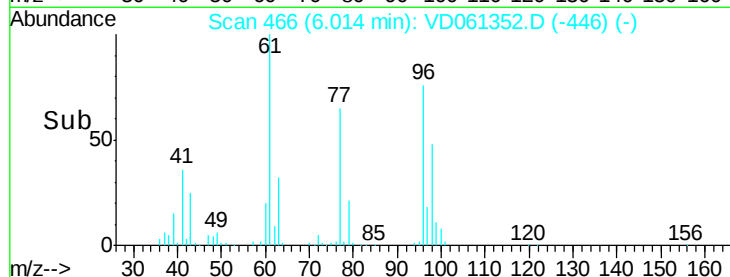
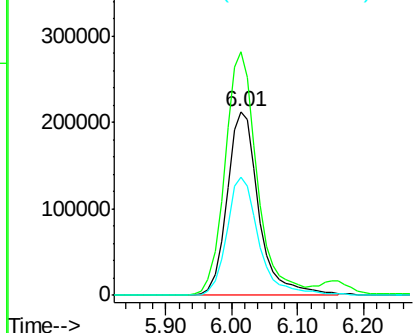
cis-1,2-Dichloroethene
Concen: 76.332 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 96 Resp: 719072
Ion Ratio Lower Upper
96 100
61 132.4 0.0 251.6
98 64.2 0.0 129.2



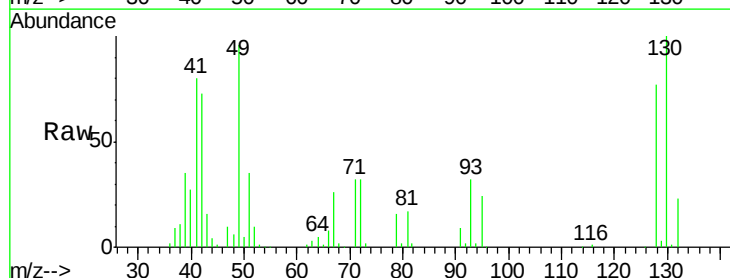
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



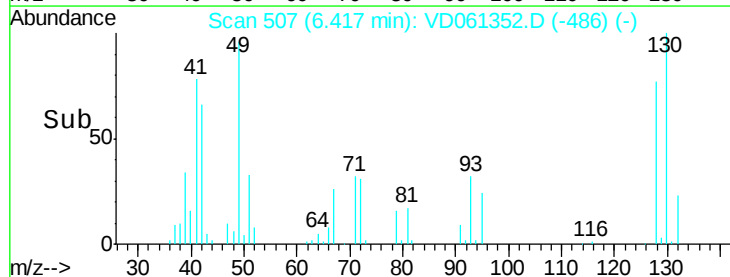
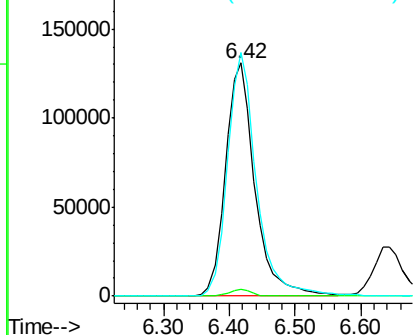
#28

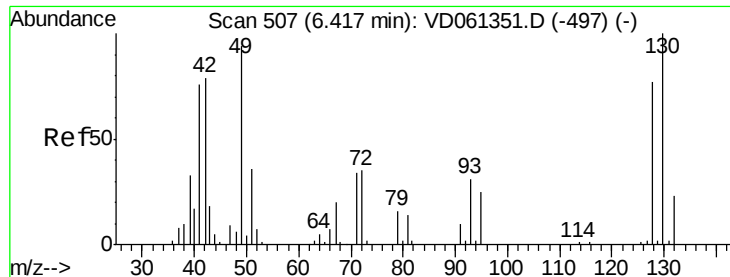
Bromochloromethane
Concen: 73.417 ug/l
RT: 6.42 min Scan# 507
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 49 Resp: 409390
Ion Ratio Lower Upper
49 100
129 2.7 0.0 0.0#
130 104.5 78.4 117.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

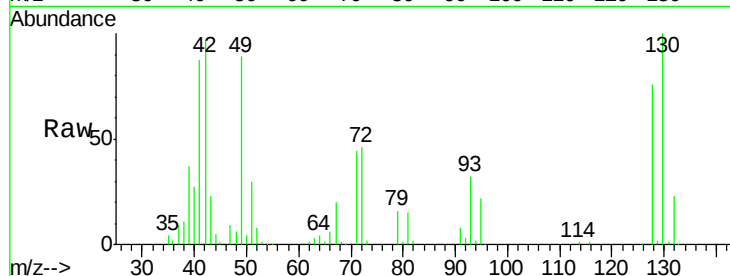




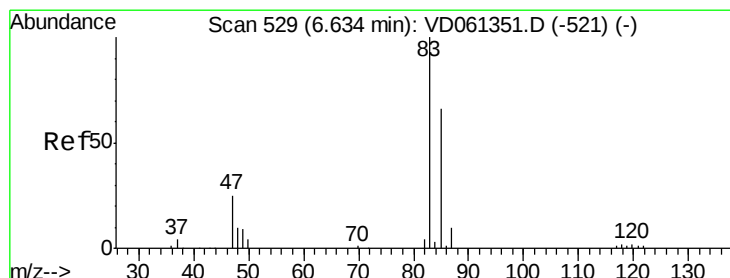
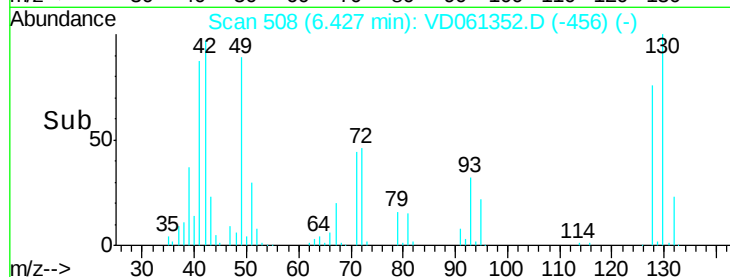
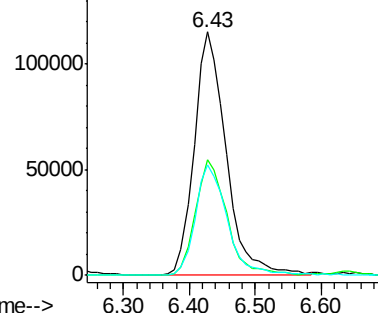
#29
Tetrahydrofuran
Concen: 392.805 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 42 Resp: 390216
Ion Ratio Lower Upper
42 100
72 46.8 37.4 56.0
71 45.2 36.7 55.1

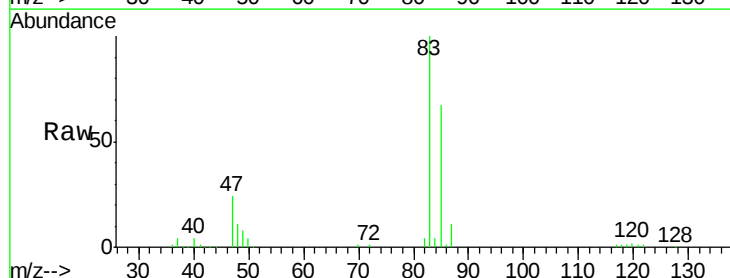


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

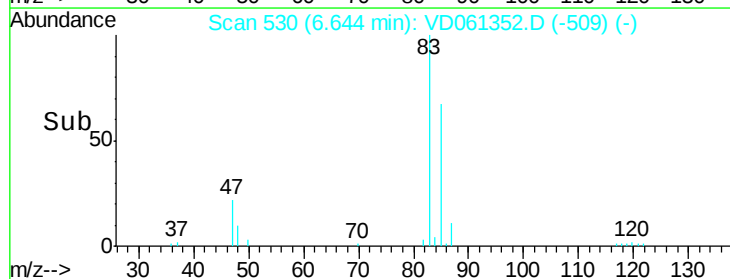
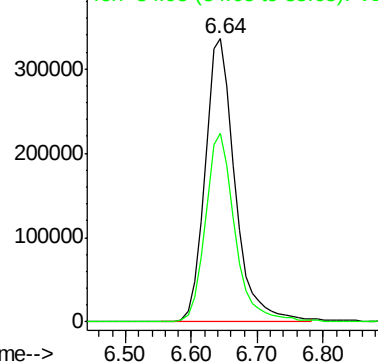


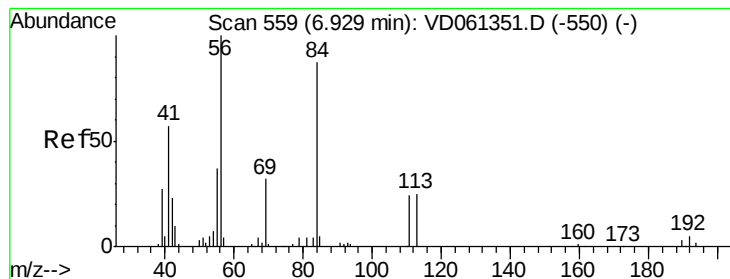
#30
Chloroform
Concen: 75.051 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 83 Resp: 1071269
Ion Ratio Lower Upper
83 100
85 66.7 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 72.444 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

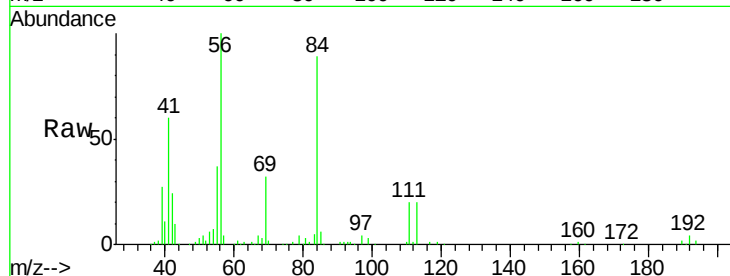
Tgt Ion: 56 Resp: 790811

Ion Ratio Lower Upper

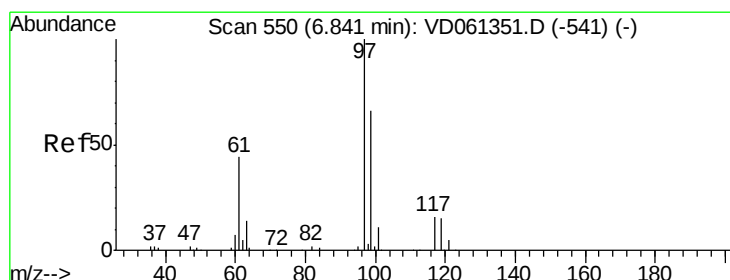
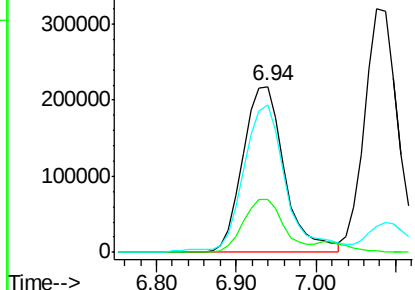
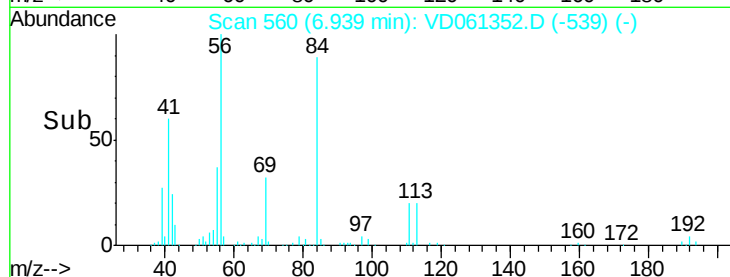
56 100

69 32.1 25.7 38.5

84 89.0 70.6 105.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 72.102 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

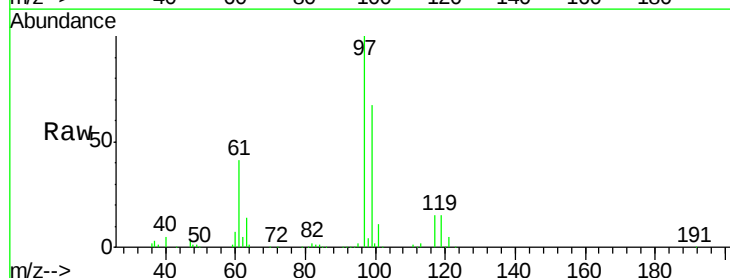
Tgt Ion: 97 Resp: 907953

Ion Ratio Lower Upper

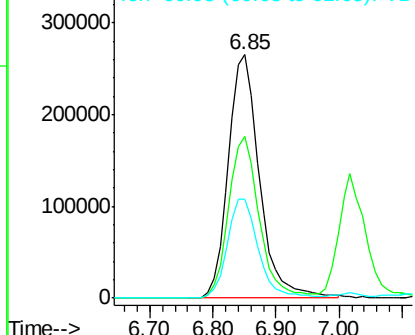
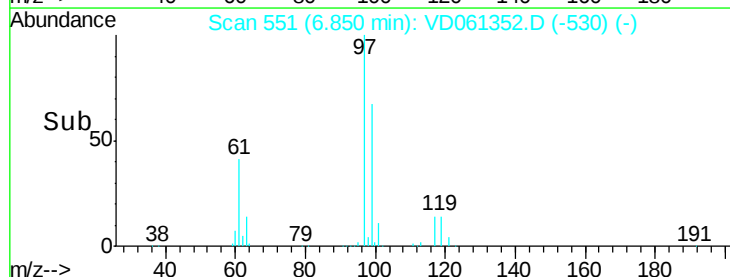
97 100

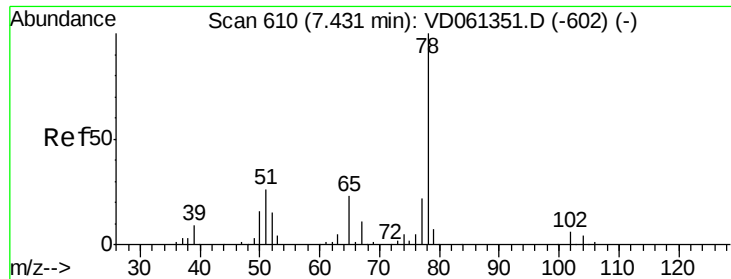
99 66.7 53.1 79.7

61 40.8 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 72.102 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

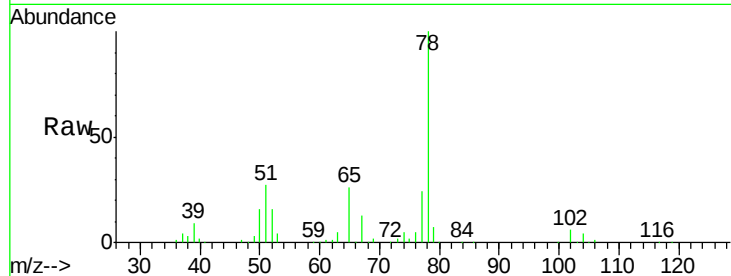
VSTDIC075

Tgt Ion: 65 Resp: 452354

Ion Ratio Lower Upper

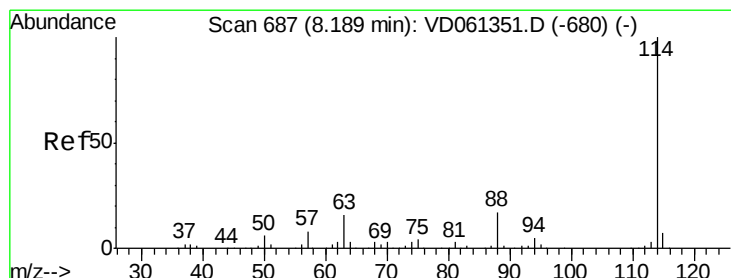
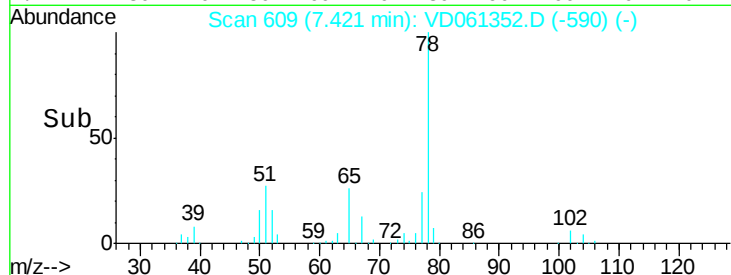
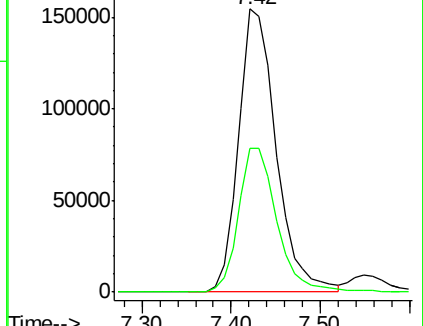
65 100

67 50.7 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

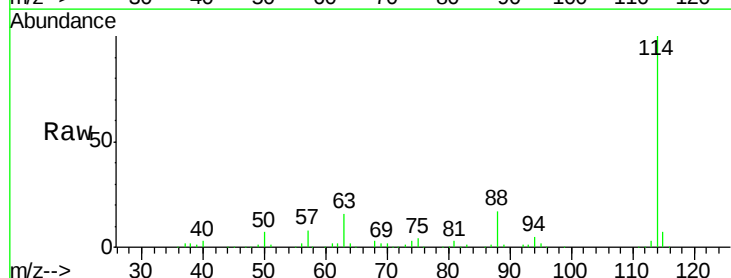
Tgt Ion: 114 Resp: 1327164

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.6

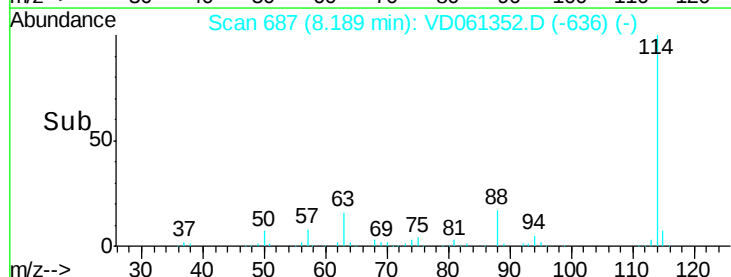
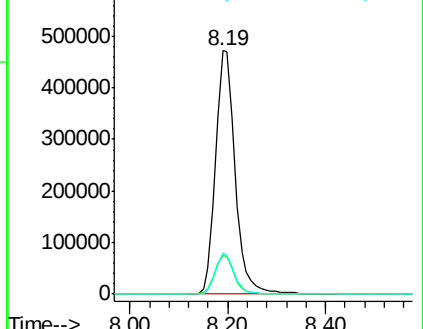
88 16.9 0.0 33.4

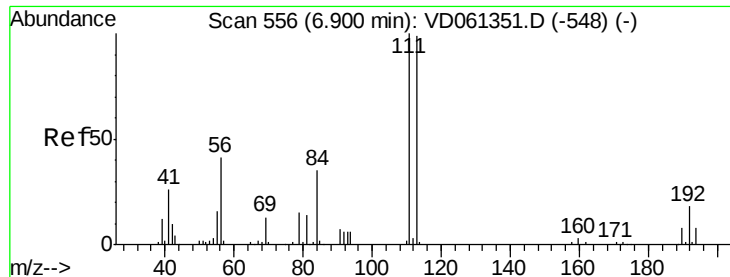


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

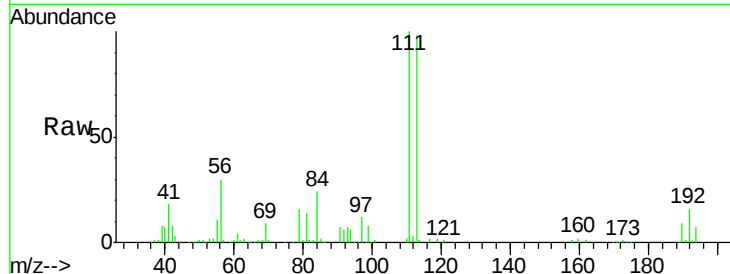
Tgt Ion:113 Resp: 708704

Ion Ratio Lower Upper

113 100

111 101.9 81.0 121.6

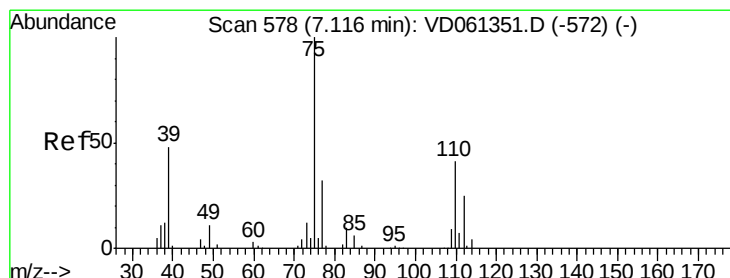
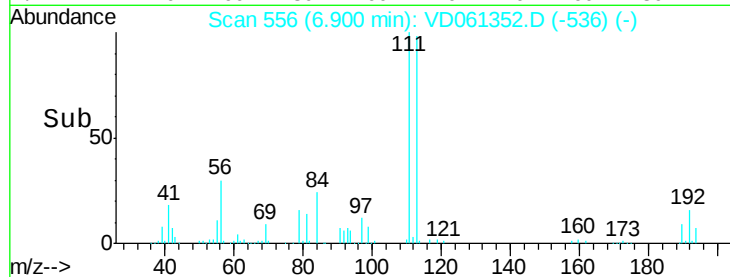
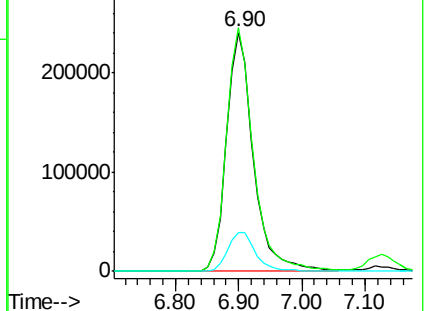
192 16.3 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 63.481 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

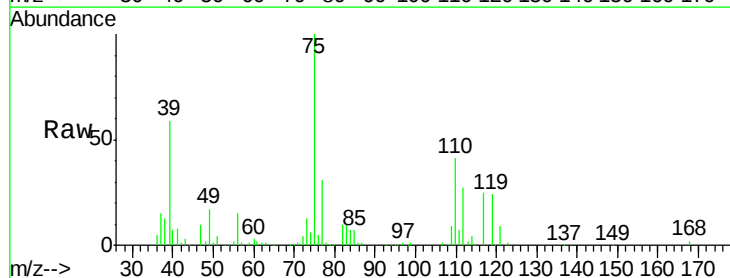
Tgt Ion: 75 Resp: 735340

Ion Ratio Lower Upper

75 100

110 41.2 20.4 61.3

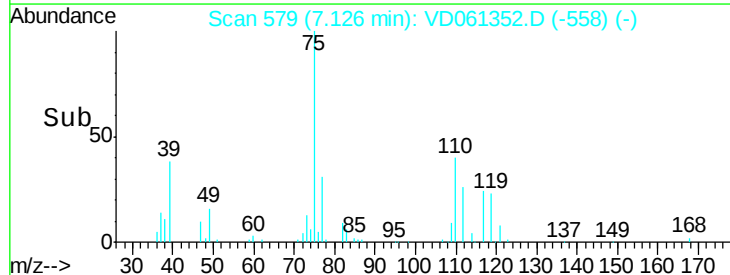
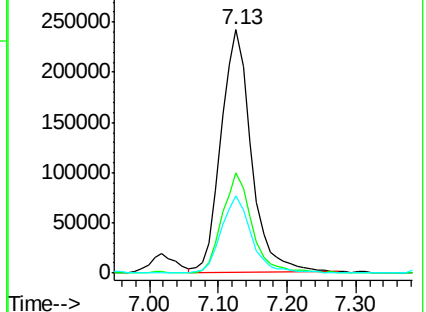
77 31.5 24.9 37.3

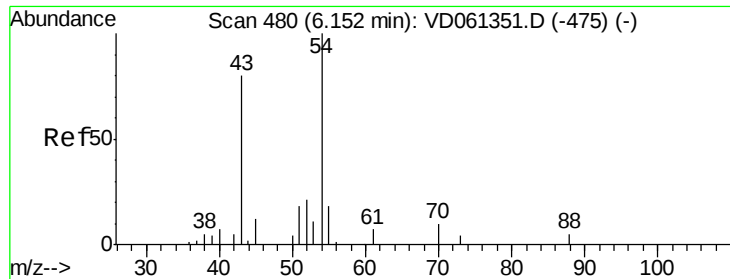


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

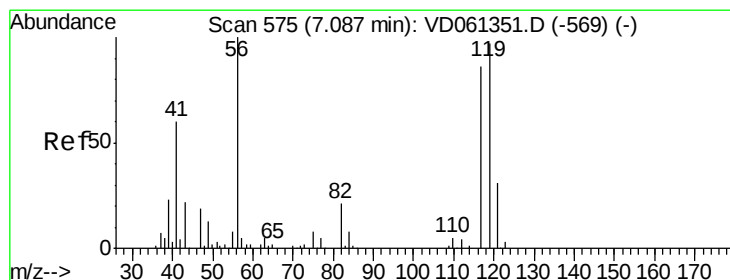
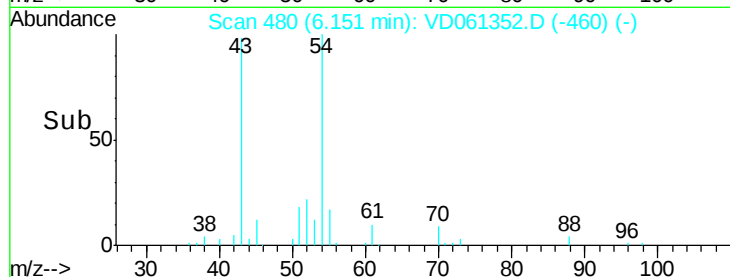
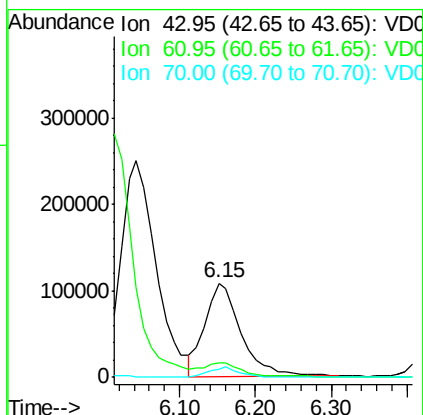
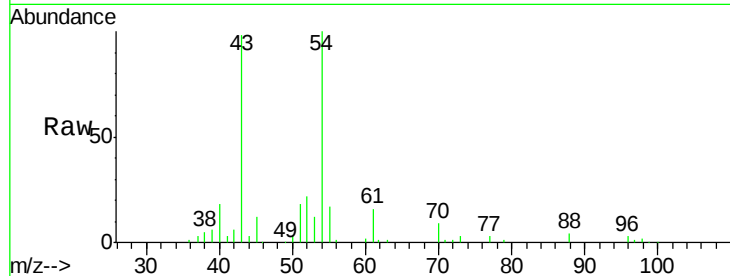




#37
Ethyl Acetate
Concen: 71.685 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

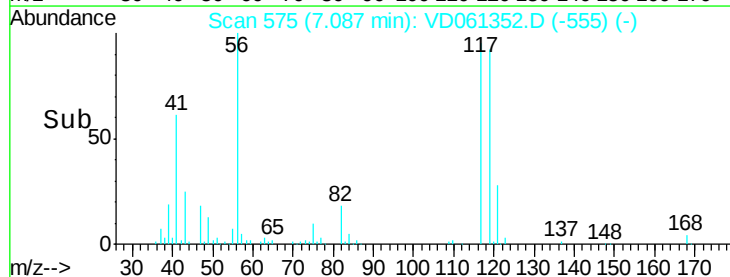
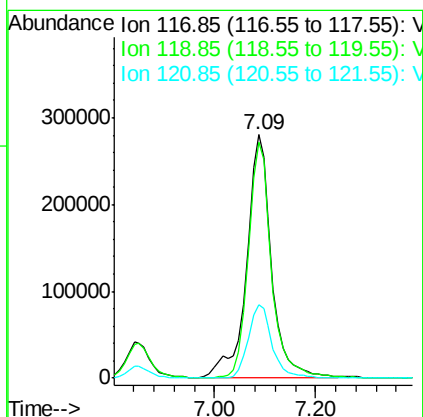
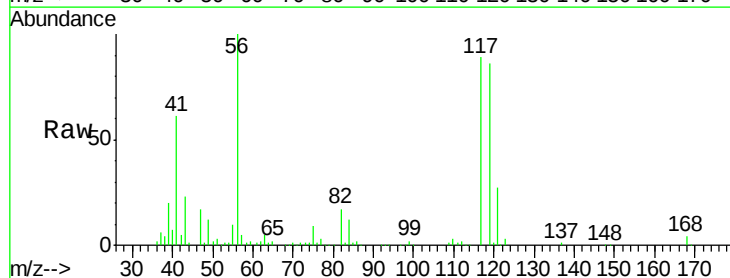
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

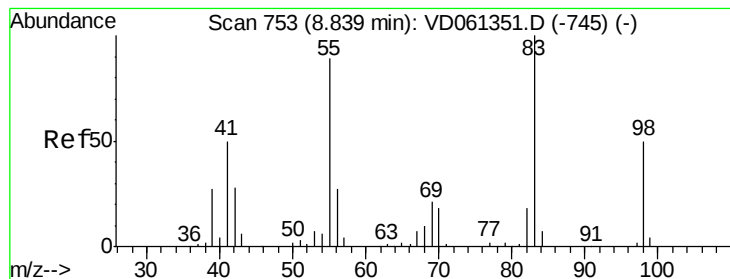
Tgt Ion: 43 Resp: 354905
Ion Ratio Lower Upper
43 100
61 15.8 13.8 20.8
70 9.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 71.084 ug/l
RT: 7.09 min Scan# 575
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 117 Resp: 957119
Ion Ratio Lower Upper
117 100
119 97.1 80.1 120.1
121 30.0 25.6 38.4





#39

Methylcyclohexane

Concen: 69.386 ug/l

RT: 8.84 min Scan# 753

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

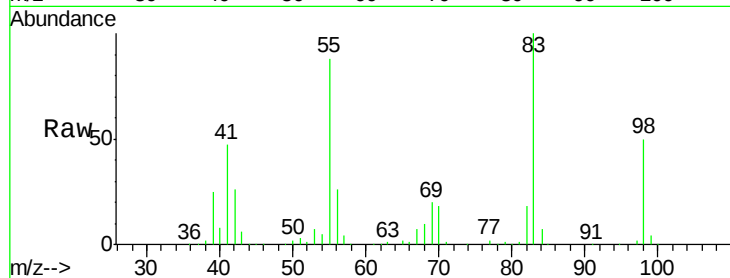
Tgt Ion: 83 Resp: 837056

Ion Ratio Lower Upper

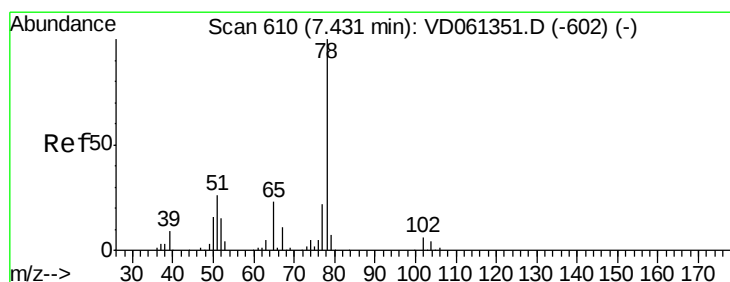
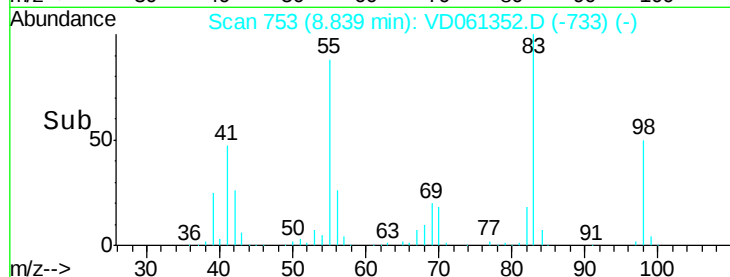
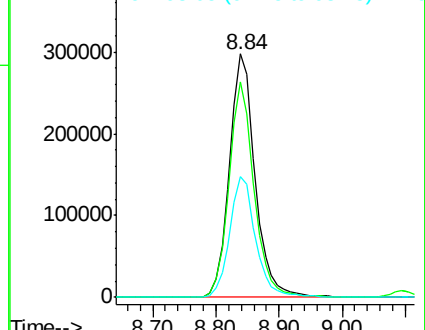
83 100

55 88.3 71.5 107.3

98 49.7 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 66.812 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD061352.D

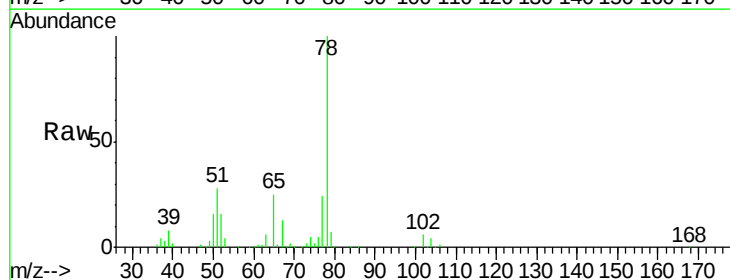
Acq: 27 Mar 2019 13:35

Tgt Ion: 78 Resp: 1942256

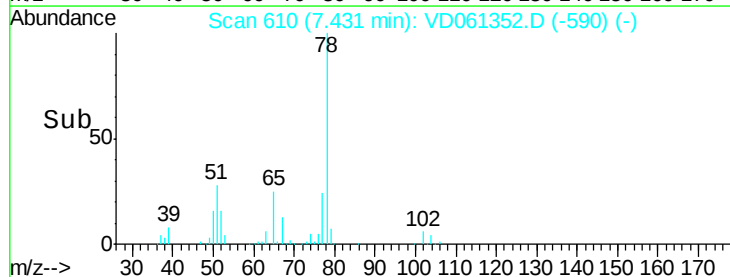
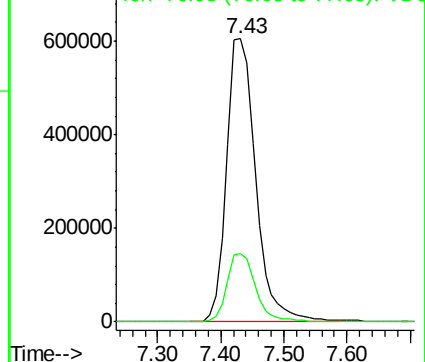
Ion Ratio Lower Upper

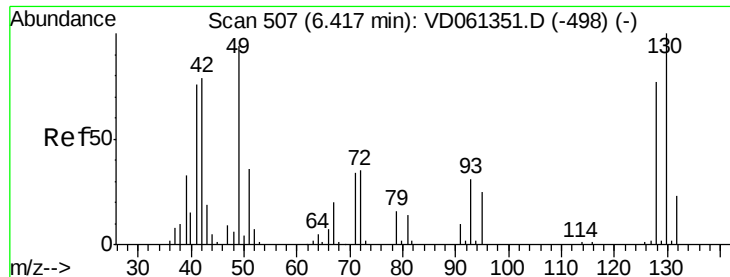
78 100

77 24.0 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 75.257 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 436067

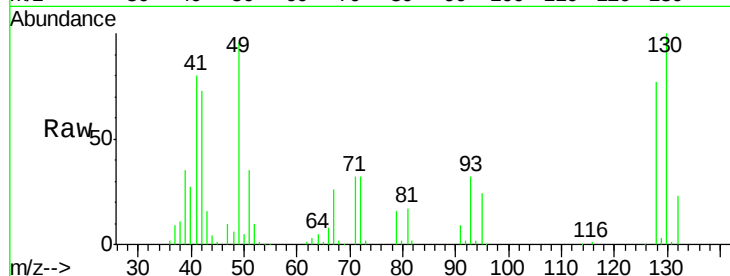
Ion Ratio Lower Upper

41 100

39 44.3 35.0 52.6

67 32.0 21.0 31.6#

52 13.0 7.7 11.5#

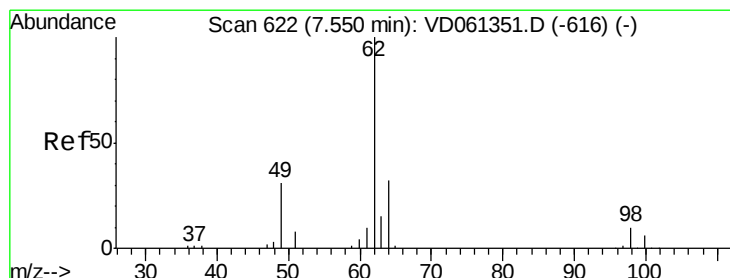
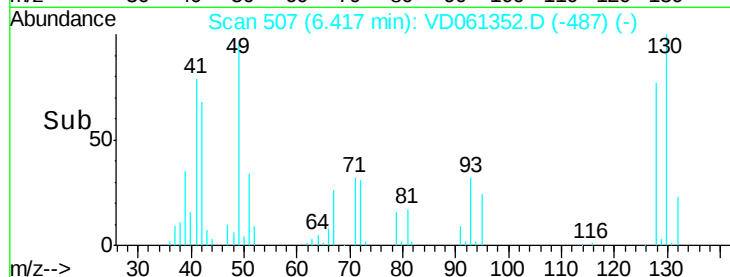
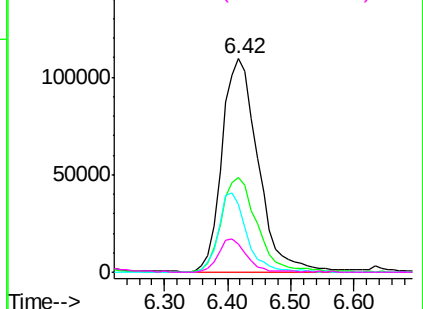


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 72.280 ug/l

RT: 7.55 min Scan# 622

Delta R.T. -0.00 min

Lab File: VD061352.D

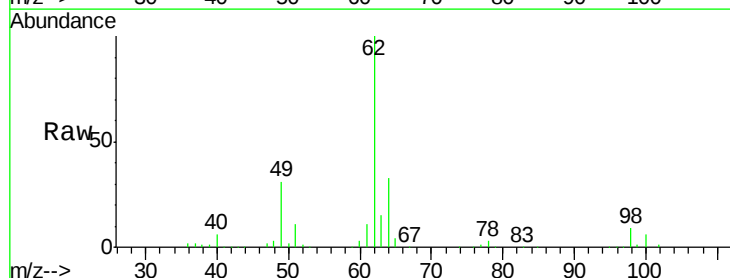
Acq: 27 Mar 2019 13:35

Tgt Ion: 62 Resp: 628527

Ion Ratio Lower Upper

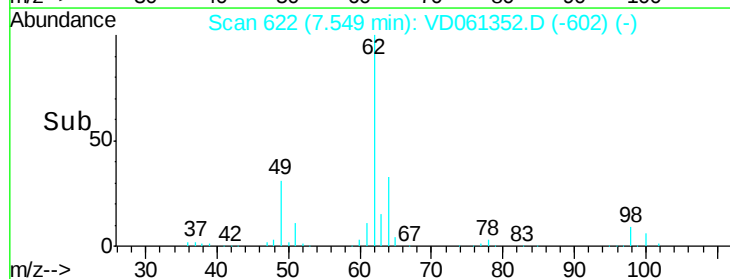
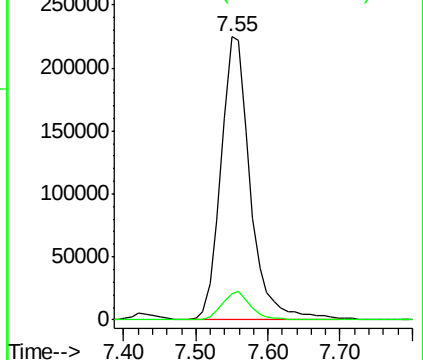
62 100

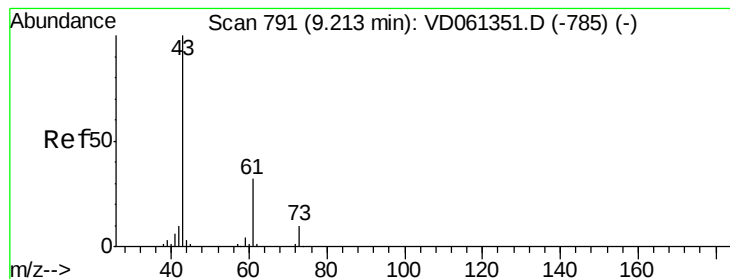
98 9.0 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 78.138 ug/l

RT: 9.21 min Scan# 791

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

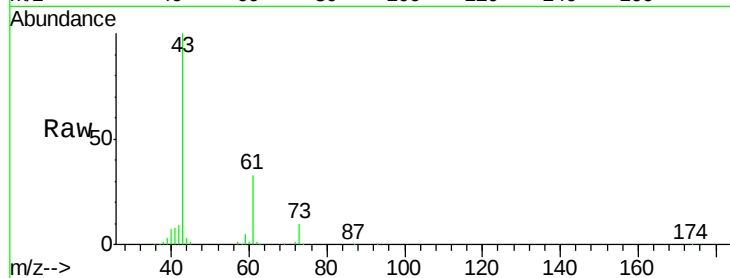
Tgt Ion: 43 Resp: 563199

Ion Ratio Lower Upper

43 100

61 33.3 25.8 38.6

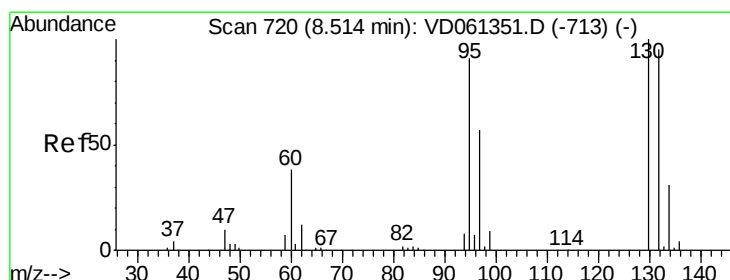
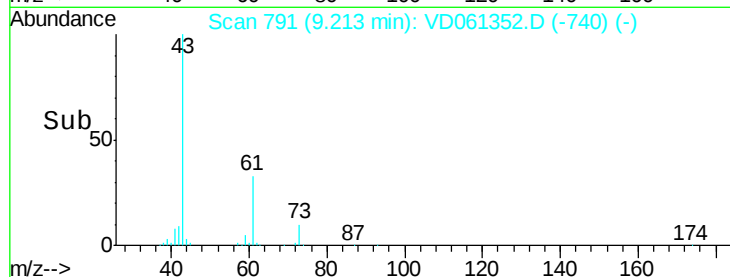
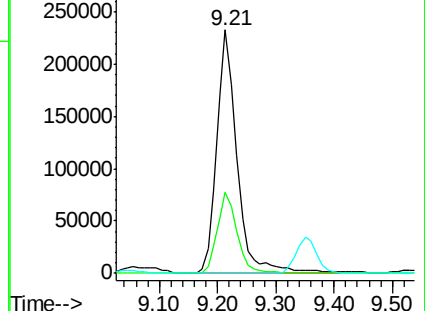
87 0.3 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 72.467 ug/l

RT: 8.51 min Scan# 720

Delta R.T. -0.00 min

Lab File: VD061352.D

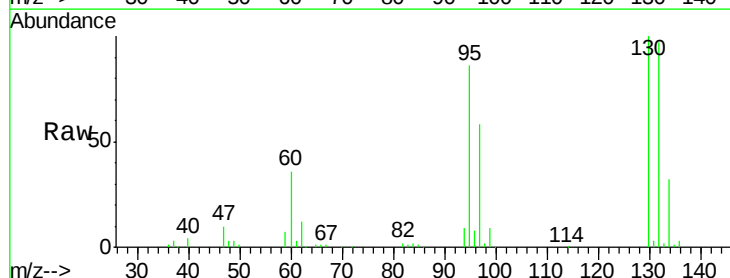
Acq: 27 Mar 2019 13:35

Tgt Ion:130 Resp: 783984

Ion Ratio Lower Upper

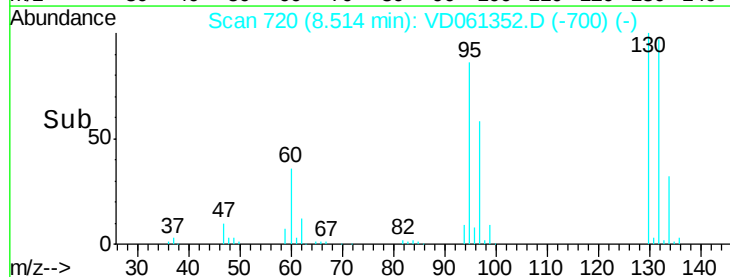
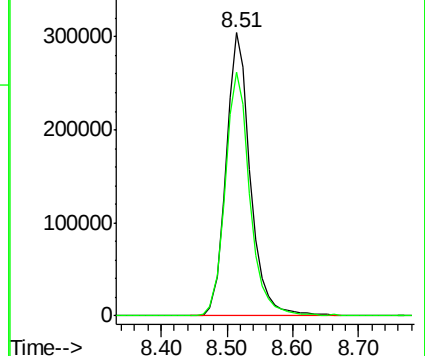
130 100

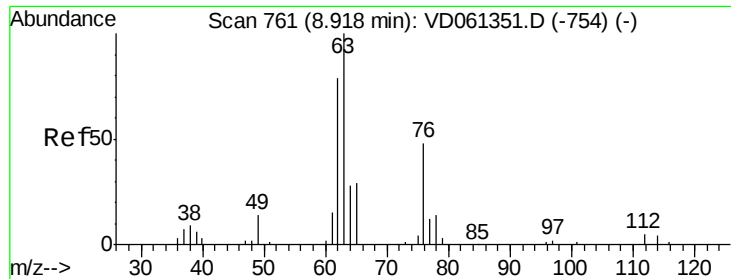
95 86.0 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 71.368 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

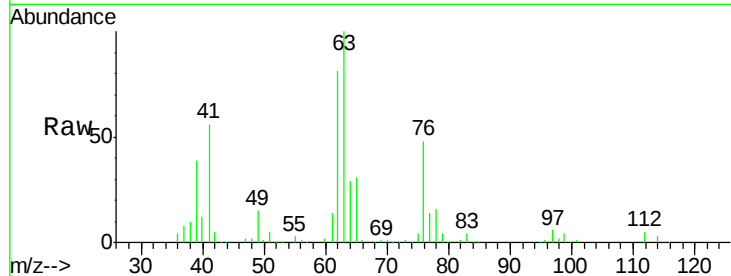
VSTDIC075

Tgt Ion: 63 Resp: 526088

Ion Ratio Lower Upper

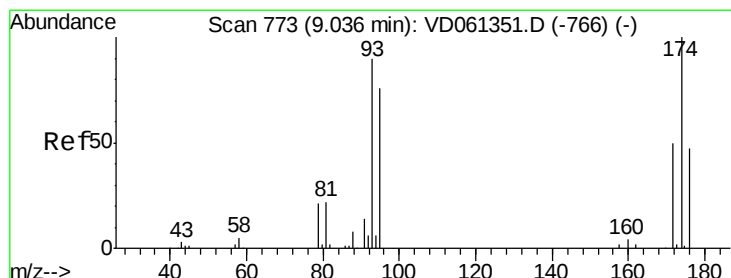
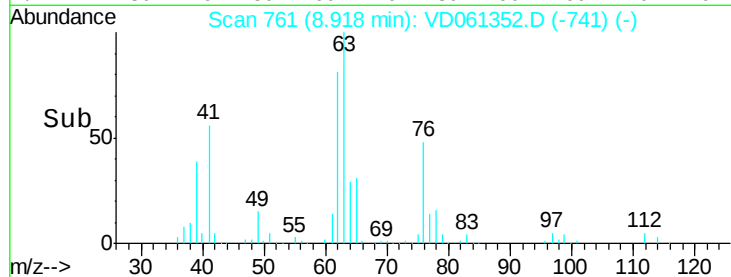
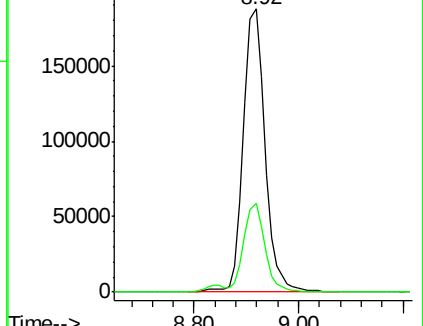
63 100

65 31.4 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 74.736 ug/l

RT: 9.04 min Scan# 773

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

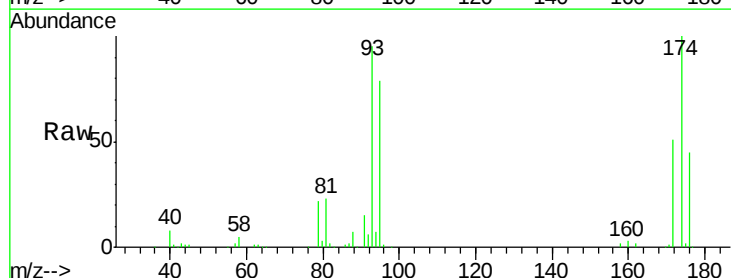
Tgt Ion: 93 Resp: 370806

Ion Ratio Lower Upper

93 100

95 83.3 67.4 101.0

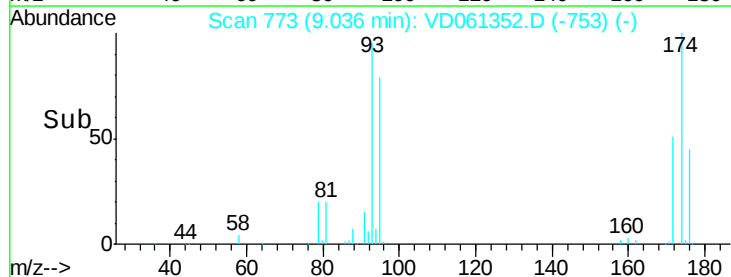
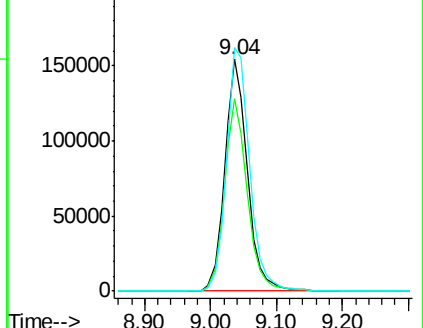
174 105.2 88.9 133.3

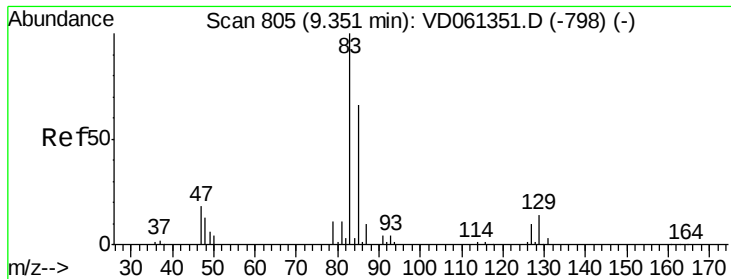


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 73.531 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

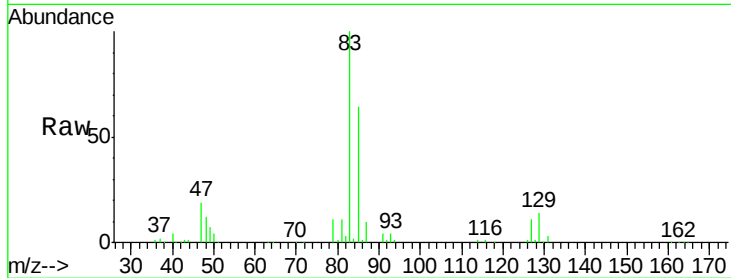
Tgt Ion: 83 Resp: 818837

Ion Ratio Lower Upper

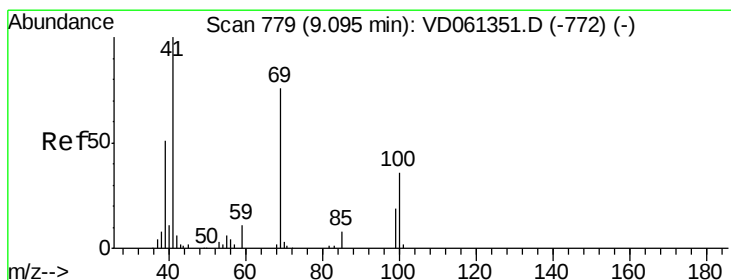
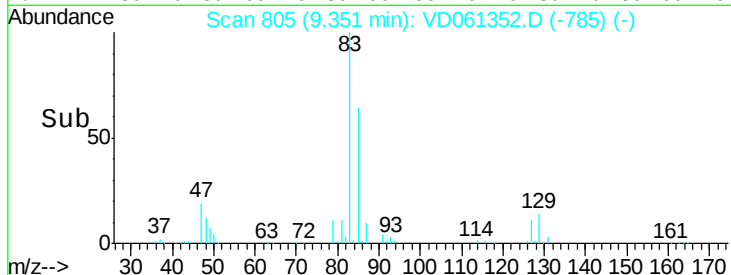
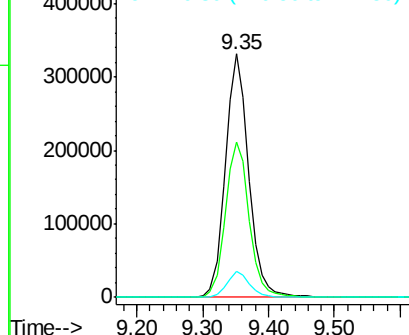
83 100

85 63.9 53.0 79.4

127 10.6 8.4 12.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 73.201 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

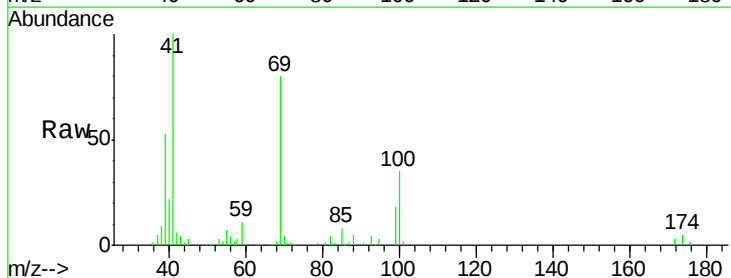
Tgt Ion: 41 Resp: 291182

Ion Ratio Lower Upper

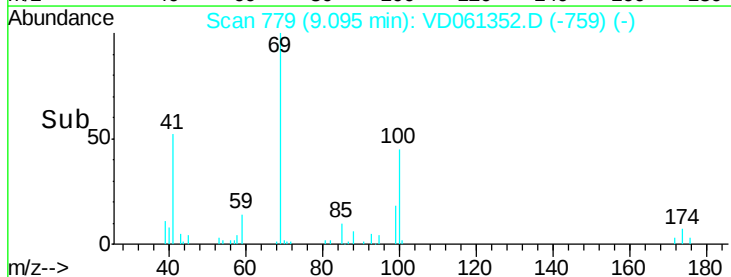
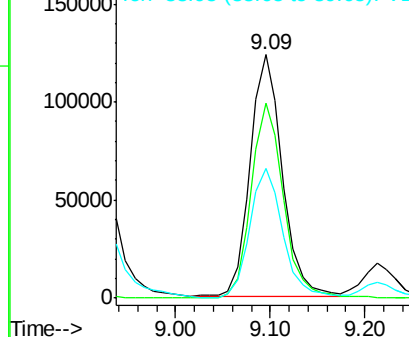
41 100

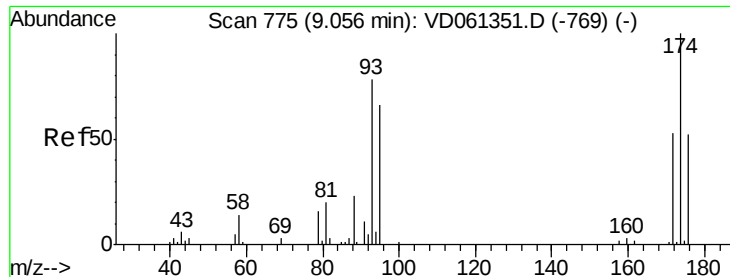
69 80.1 60.2 90.4

39 53.1 41.4 62.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1580.450 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

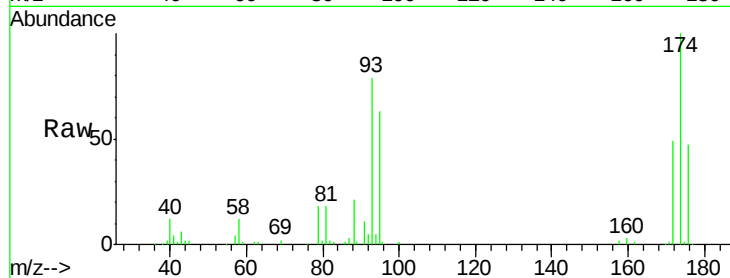
Tgt Ion: 88 Resp: 69343

Ion Ratio Lower Upper

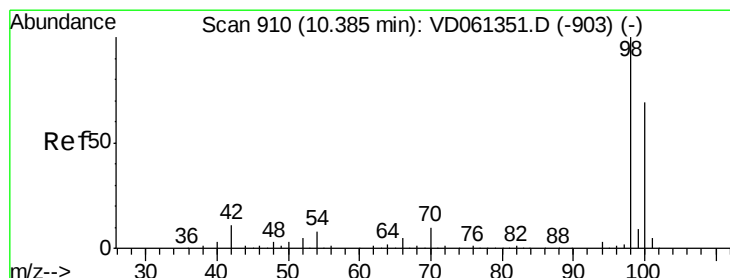
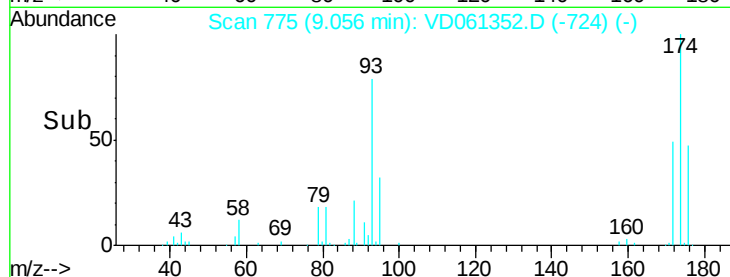
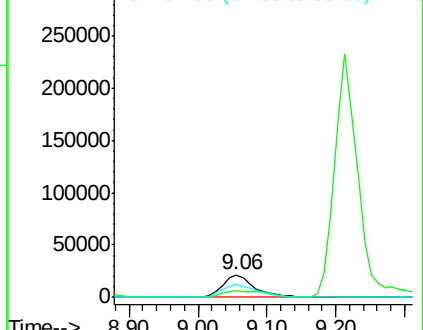
88 100

43 28.5 23.3 34.9

58 59.4 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1580.450 ug/l

RT: 10.38 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD061352.D

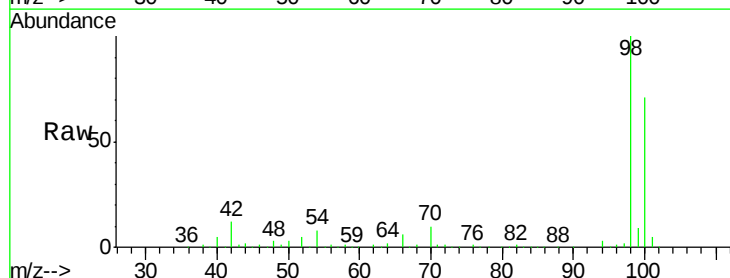
Acq: 27 Mar 2019 13:35

Tgt Ion: 98 Resp: 1716191

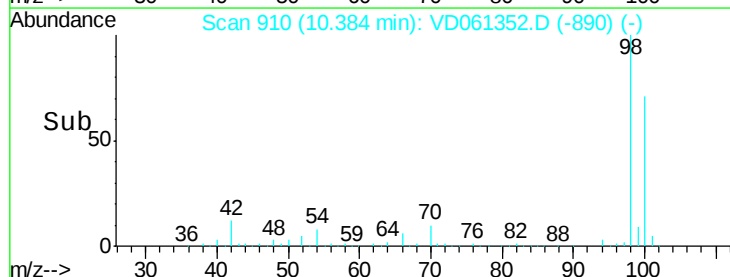
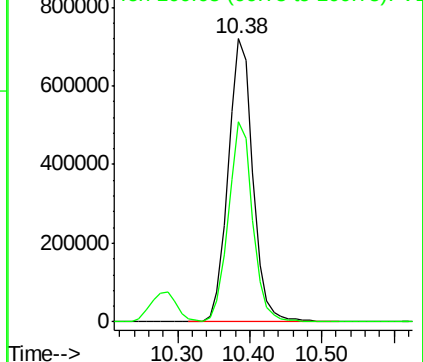
Ion Ratio Lower Upper

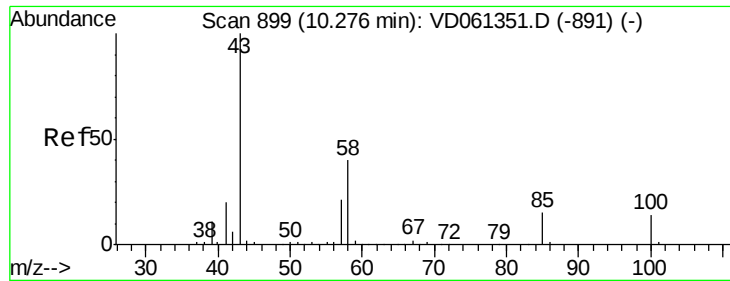
98 100

100 70.5 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 356.027 ug/l

RT: 10.28 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

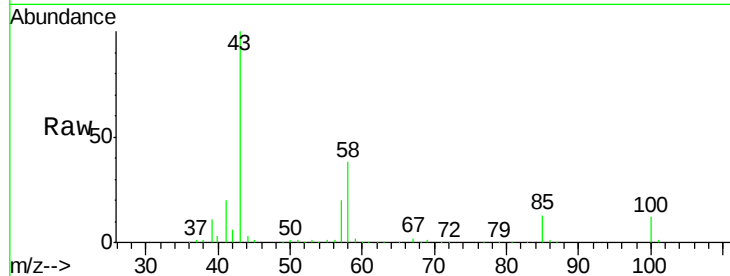
VSTDIC075

Tgt Ion: 43 Resp: 1560882

Ion Ratio Lower Upper

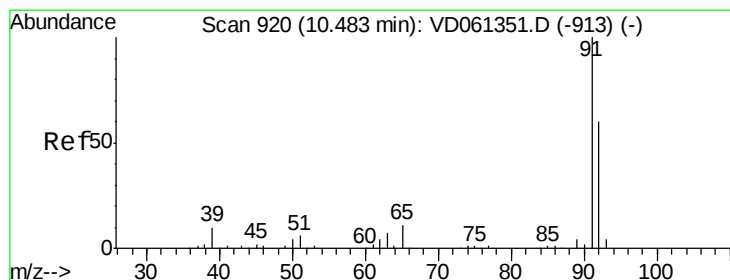
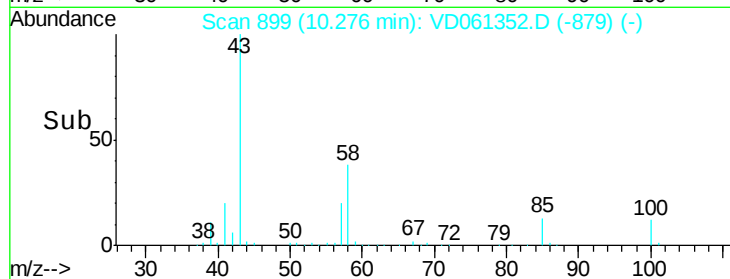
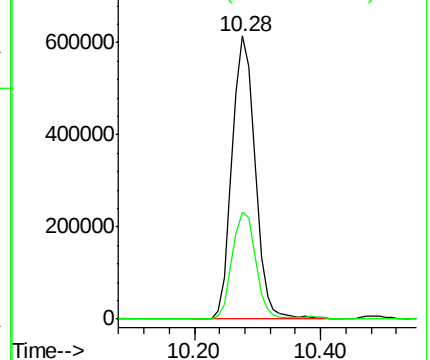
43 100

58 37.6 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 70.511 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.00 min

Lab File: VD061352.D

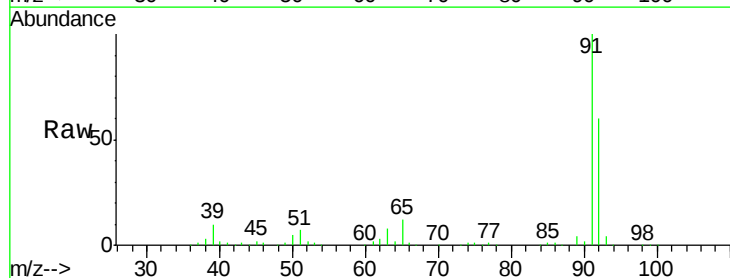
Acq: 27 Mar 2019 13:35

Tgt Ion: 92 Resp: 1250517

Ion Ratio Lower Upper

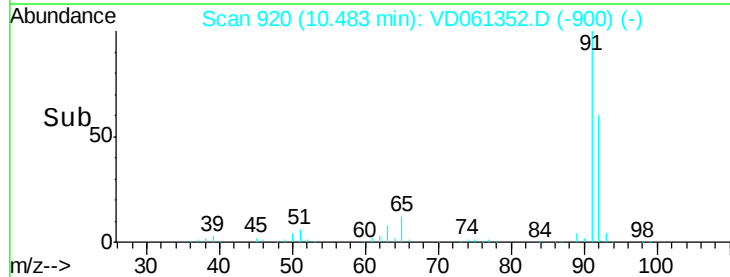
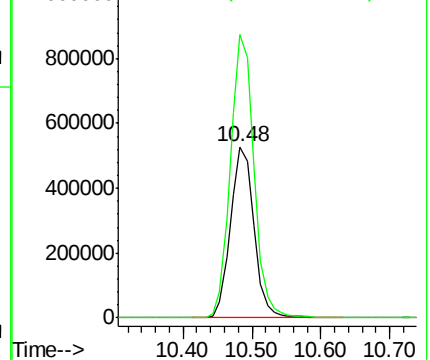
92 100

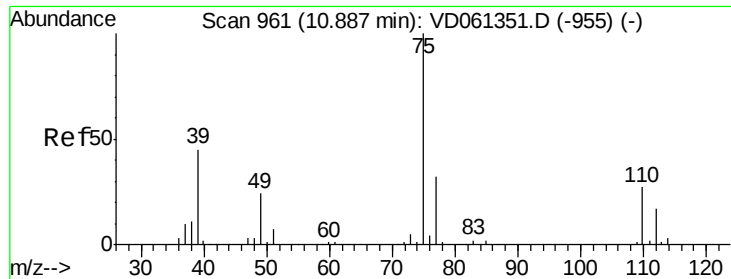
91 165.4 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 72.485 ug/l

RT: 10.89 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

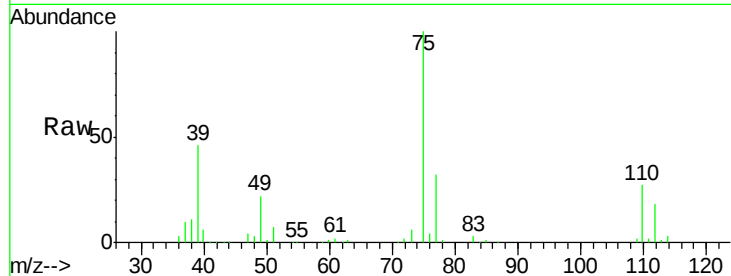
VSTDIC075

Tgt Ion: 75 Resp: 733373

Ion Ratio Lower Upper

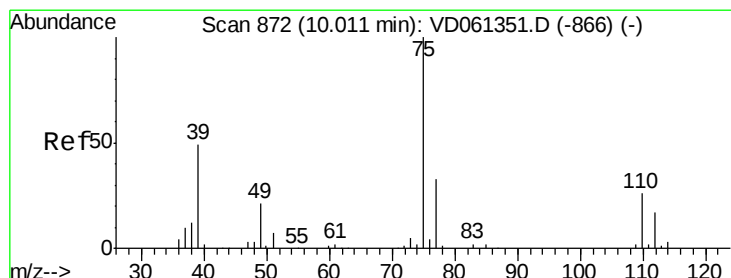
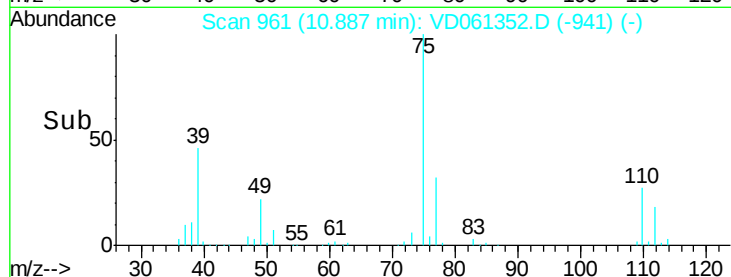
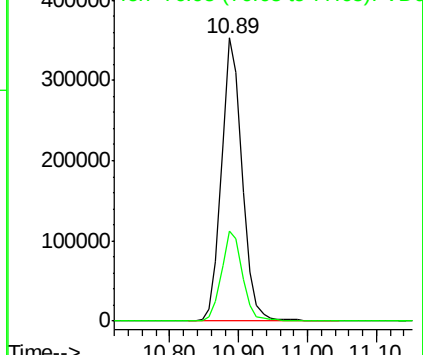
75 100

77 32.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 69.704 ug/l

RT: 10.01 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

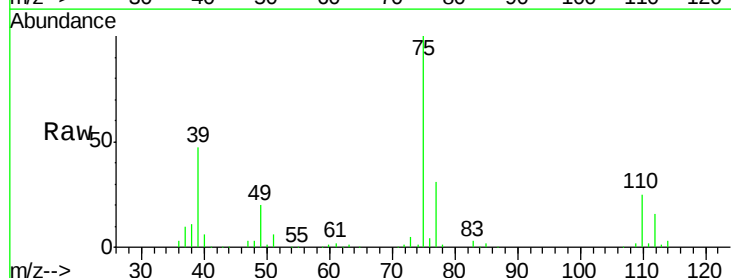
Tgt Ion: 75 Resp: 858731

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.4

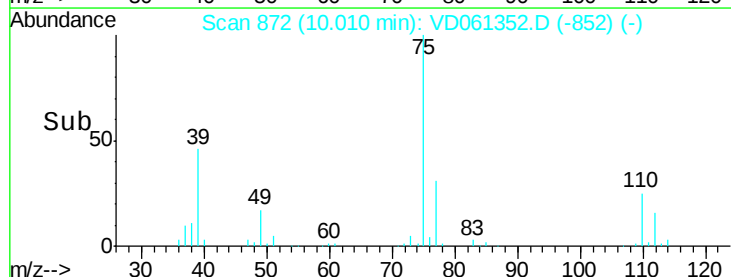
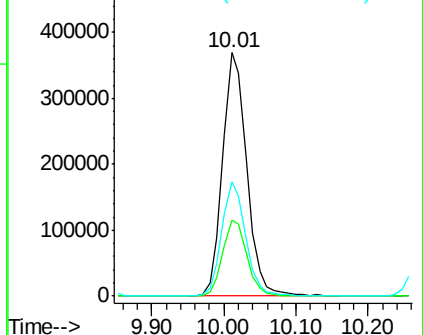
39 46.8 39.4 59.0

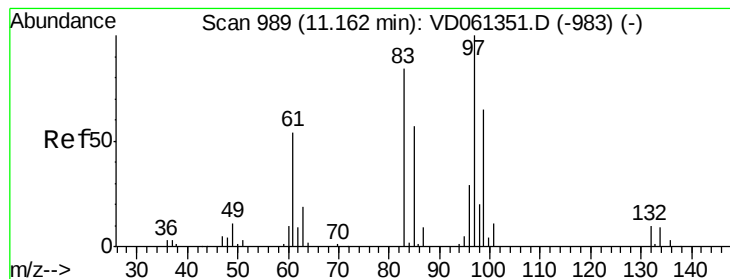


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 73.447 ug/l

RT: 11.16 min Scan# 989

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 455545

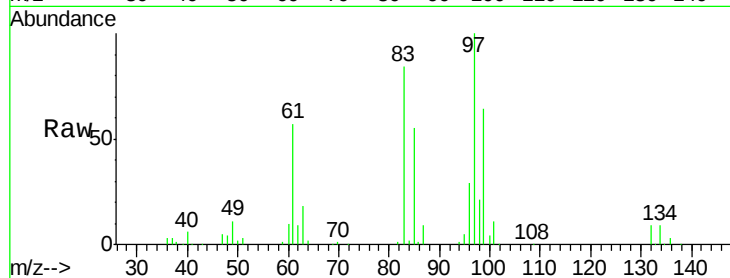
Ion Ratio Lower Upper

97 100

83 83.9 67.0 100.6

85 55.0 45.4 68.2

99 63.6 51.9 77.9

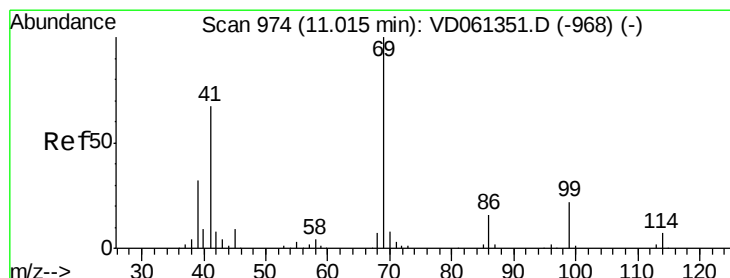
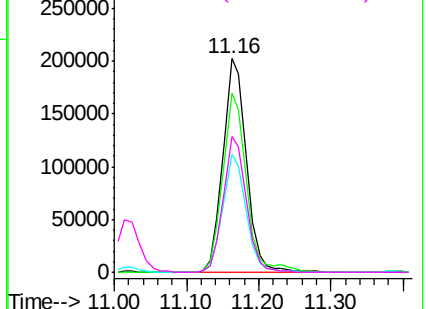
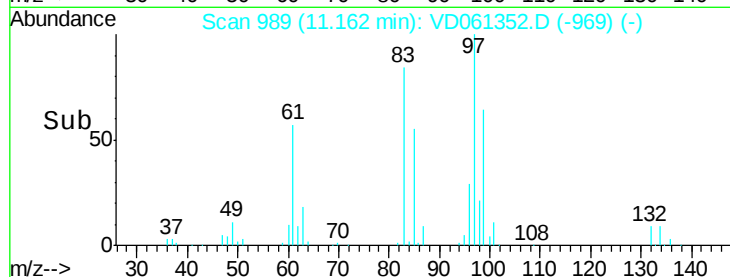


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 72.779 ug/l

RT: 11.01 min Scan# 974

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

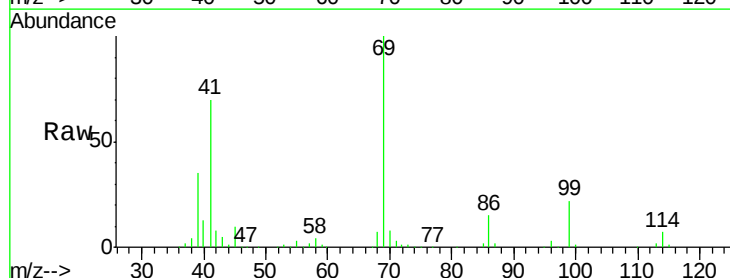
Tgt Ion: 69 Resp: 484933

Ion Ratio Lower Upper

69 100

41 70.5 53.8 80.6

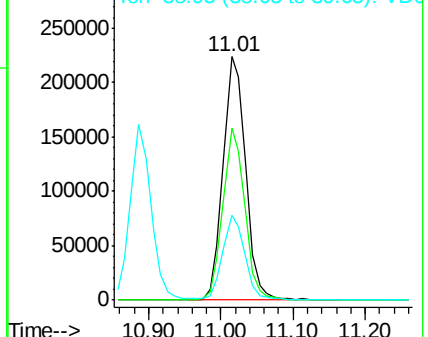
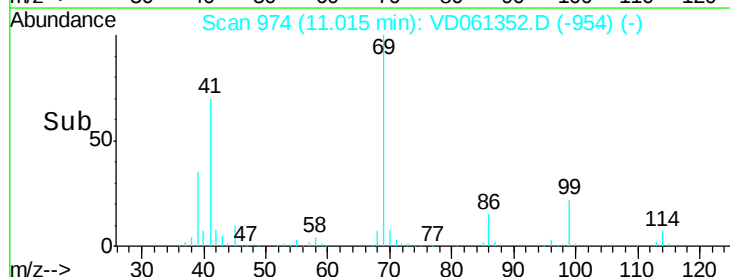
39 34.6 26.4 39.6

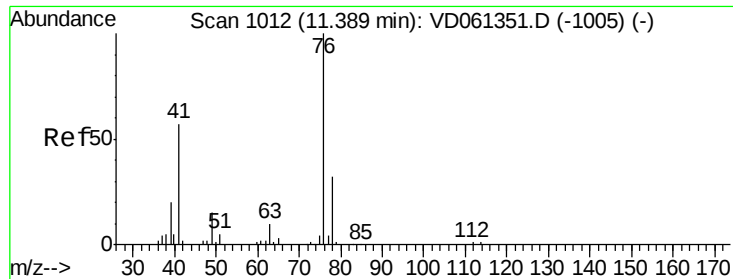


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 70.186 ug/l

RT: 11.39 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

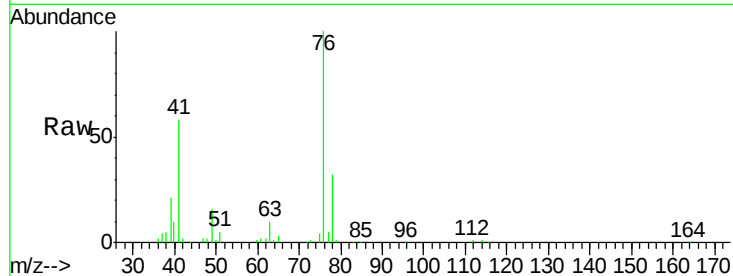
VSTDIC075

Tgt Ion: 76 Resp: 639841

Ion Ratio Lower Upper

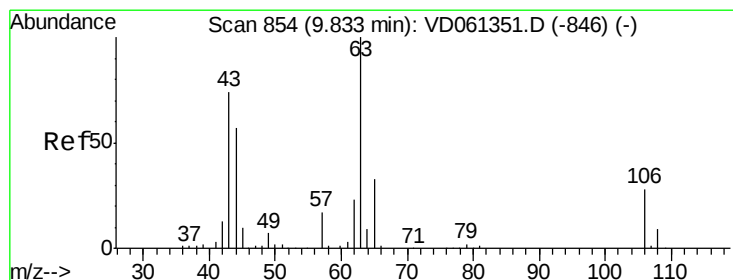
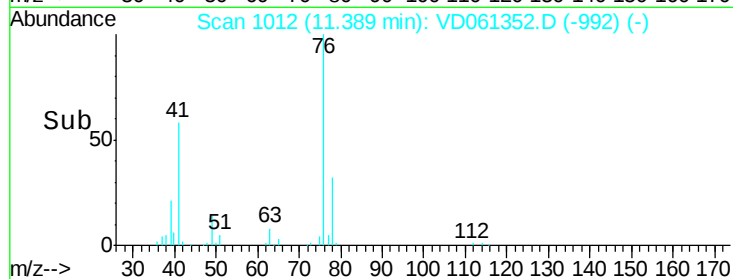
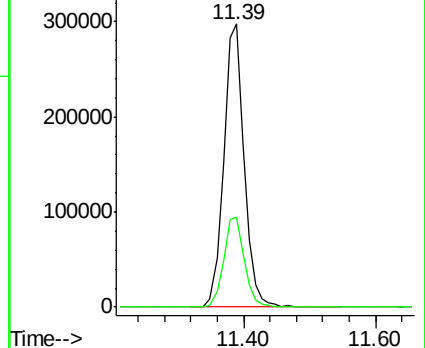
76 100

78 31.7 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 312.861 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.00 min

Lab File: VD061352.D

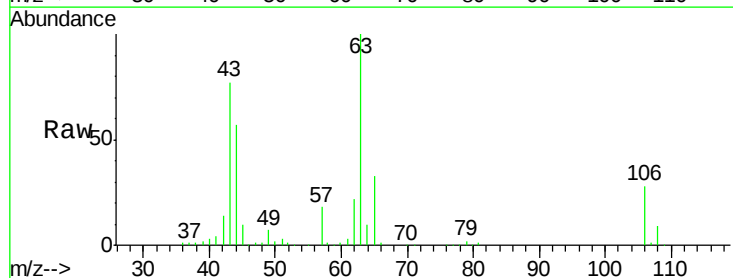
Acq: 27 Mar 2019 13:35

Tgt Ion: 63 Resp: 1015192

Ion Ratio Lower Upper

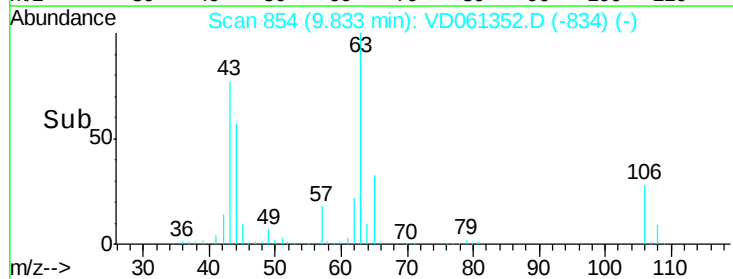
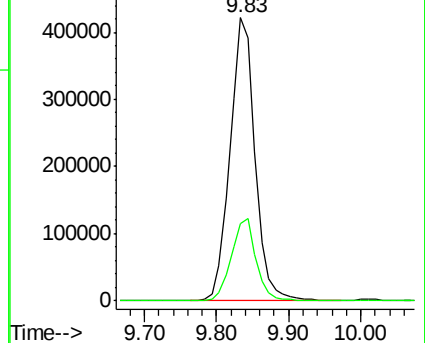
63 100

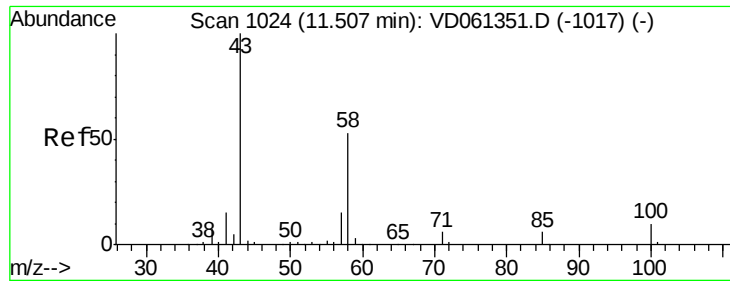
106 27.5 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

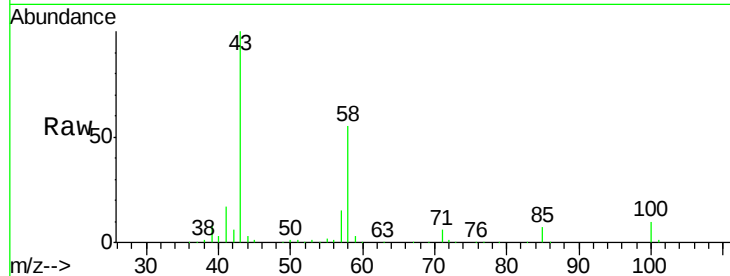




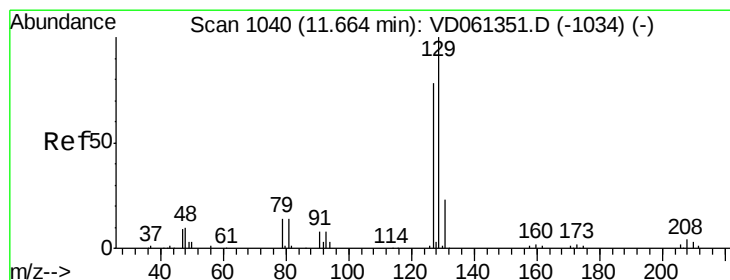
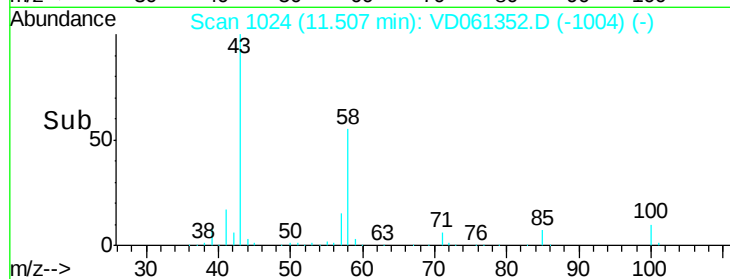
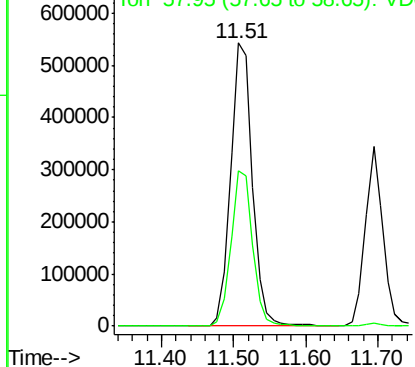
#59
2-Hexanone
Concen: 360.124 ug/l
RT: 11.51 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 43 Resp: 1144173
Ion Ratio Lower Upper
43 100
58 55.0 26.3 78.9

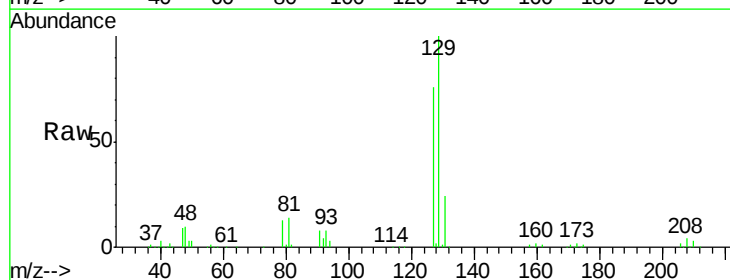


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

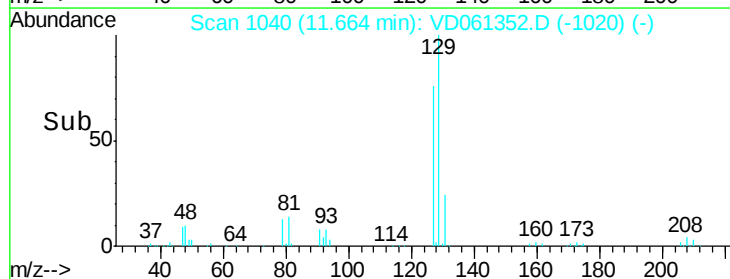
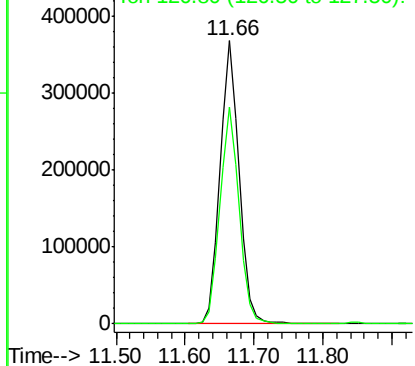


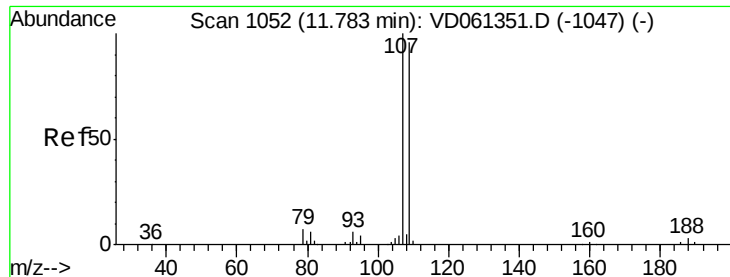
#60
Dibromochloromethane
Concen: 73.821 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 129 Resp: 705855
Ion Ratio Lower Upper
129 100
127 76.4 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 72.418 ug/l

RT: 11.78 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

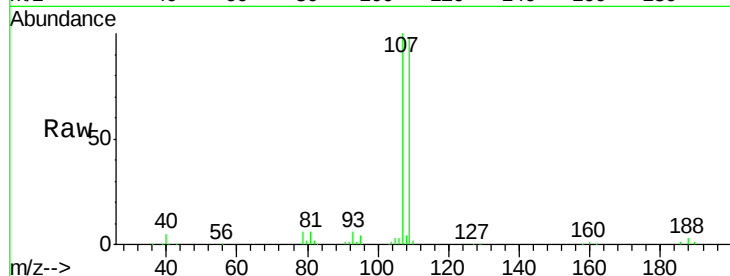
VSTDIC075

Tgt Ion: 107 Resp: 520113

Ion Ratio Lower Upper

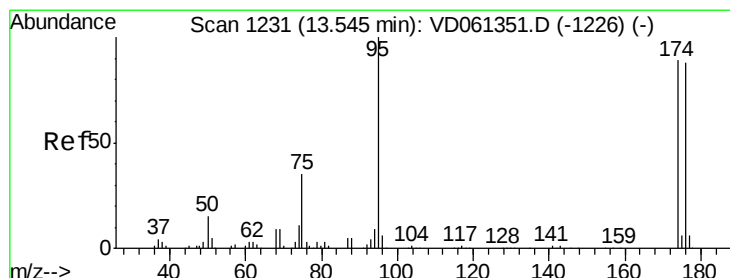
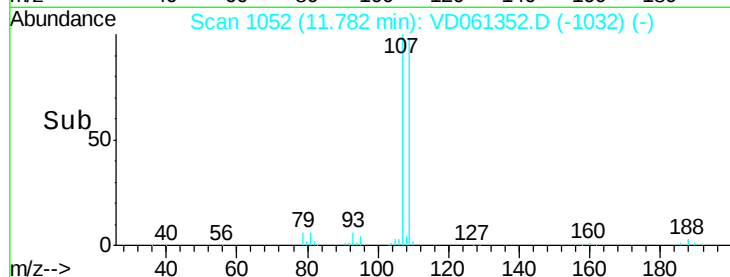
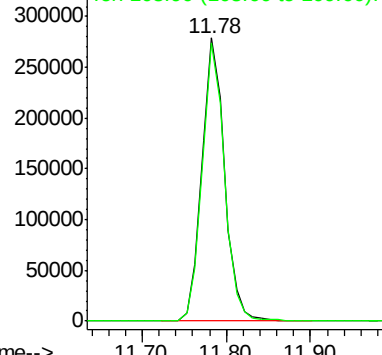
107 100

109 98.2 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 72.418 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

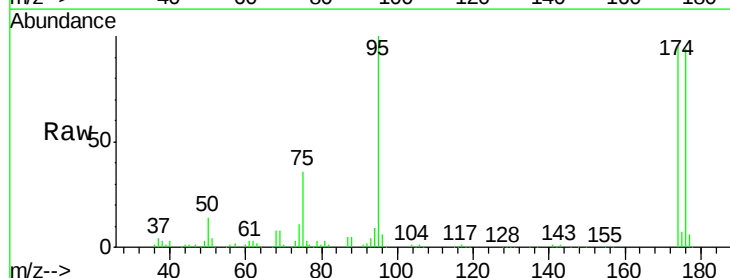
Tgt Ion: 95 Resp: 636136

Ion Ratio Lower Upper

95 100

174 96.4 0.0 178.0

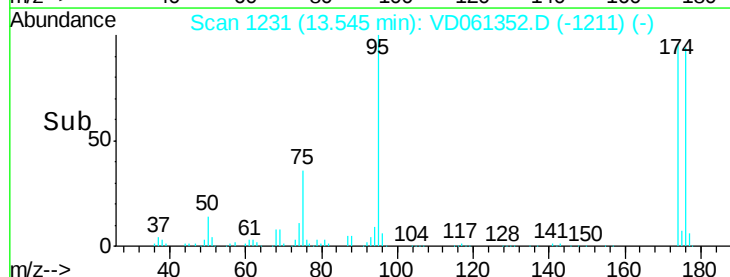
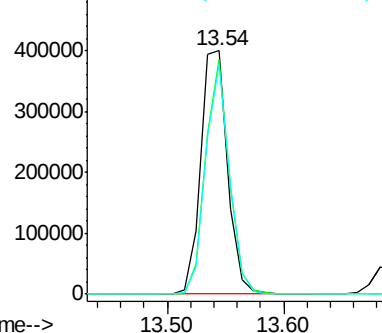
176 94.2 0.0 175.0

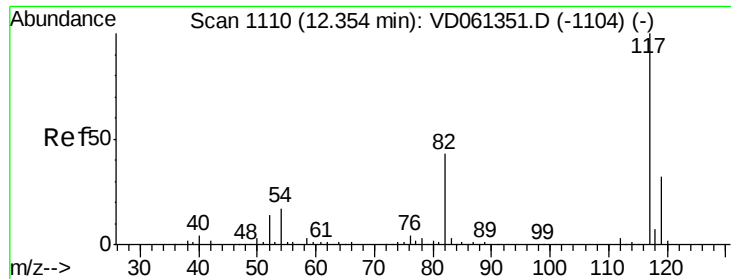


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

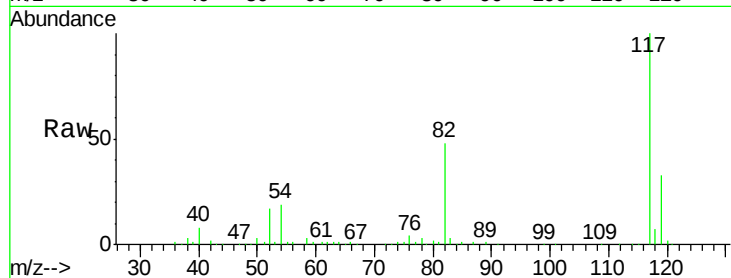




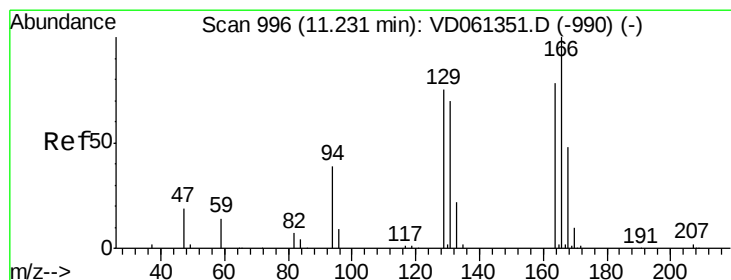
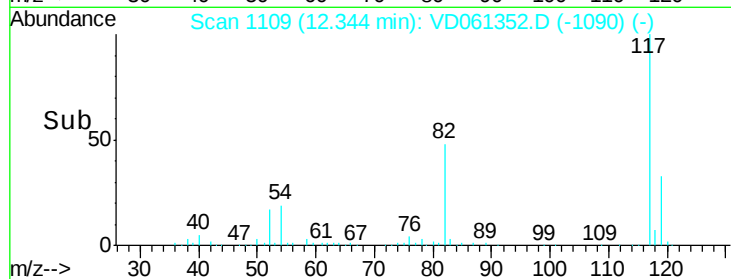
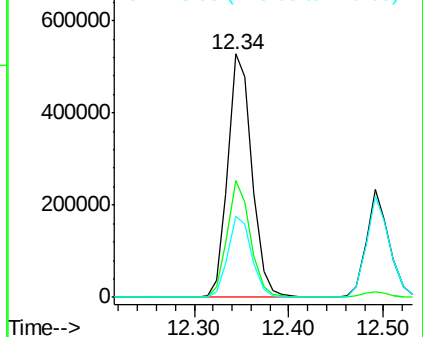
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 935725
Ion Ratio Lower Upper
117 100
82 48.2 34.4 51.6
119 33.0 25.8 38.6

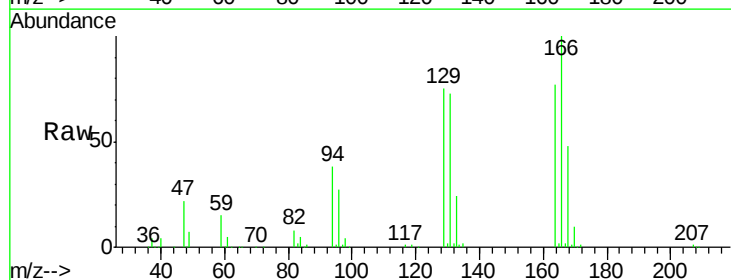


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

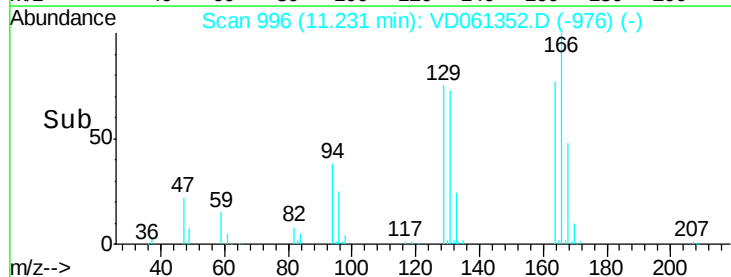
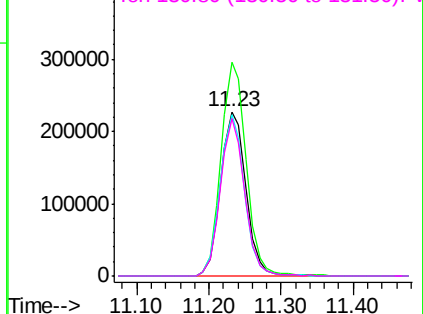


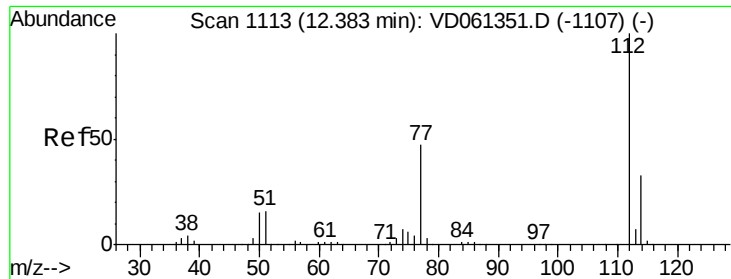
#64
Tetrachloroethene
Concen: 75.332 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion:164 Resp: 553218
Ion Ratio Lower Upper
164 100
166 129.9 102.4 153.6
129 97.9 76.8 115.2
131 95.5 71.8 107.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

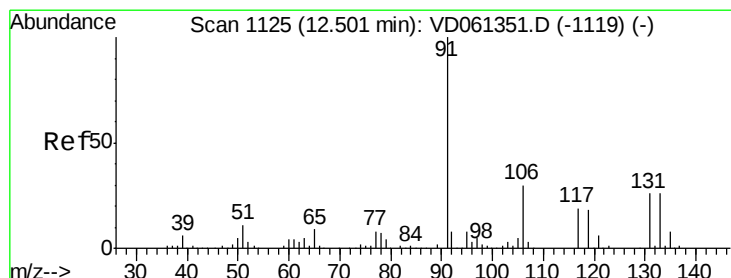
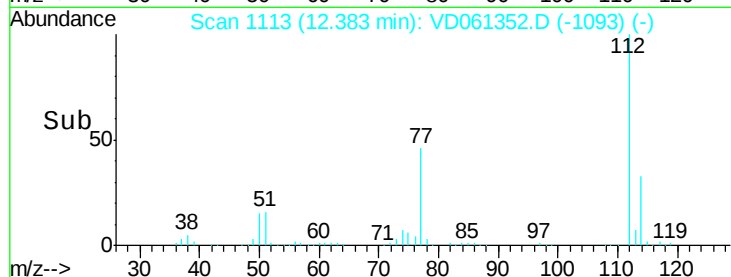
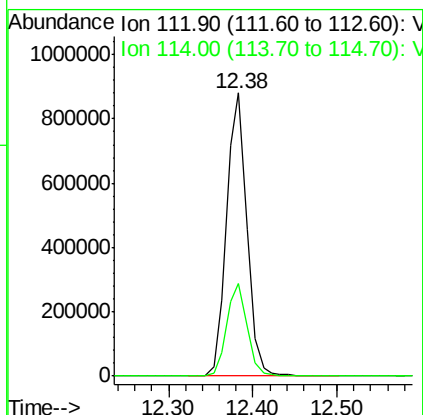
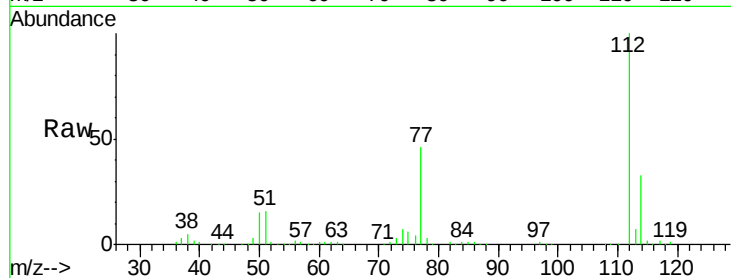




#65
Chlorobenzene
Concen: 76.946 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

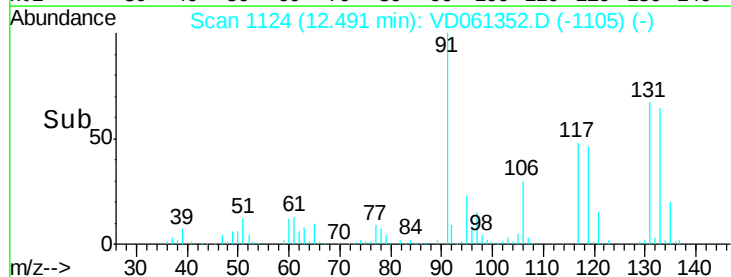
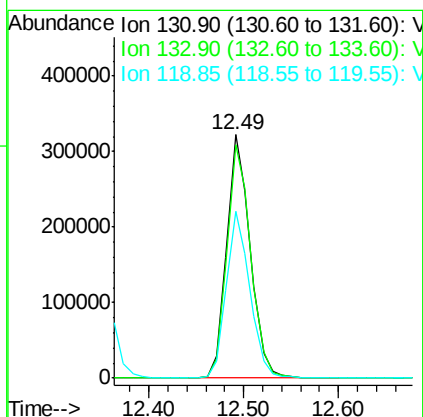
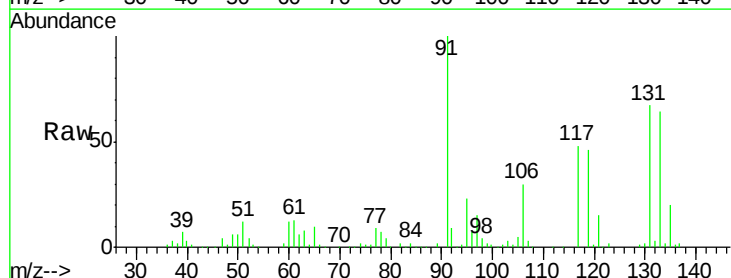
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

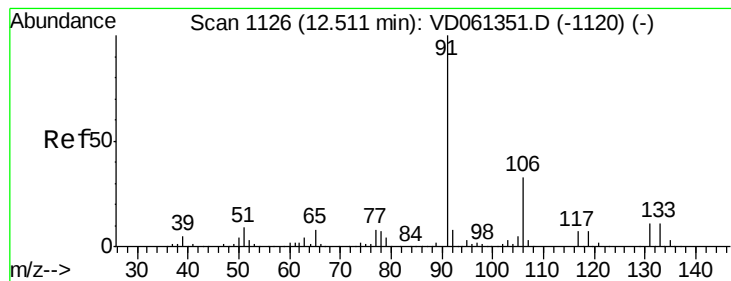
Tgt Ion:112 Resp: 1471452
Ion Ratio Lower Upper
112 100
114 32.7 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 74.346 ug/l
RT: 12.49 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion:131 Resp: 550481
Ion Ratio Lower Upper
131 100
133 95.9 49.4 148.2
119 68.6 34.1 102.2





#67

Ethyl Benzene

Concen: 68.196 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

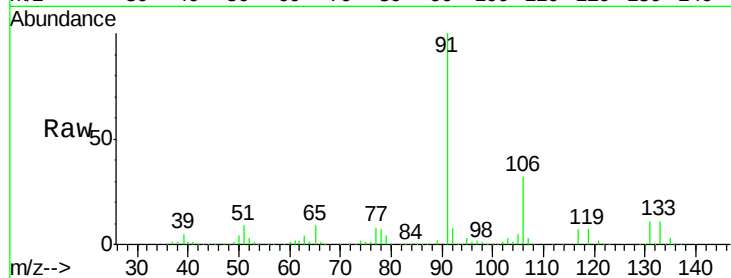
VSTDIC075

Tgt Ion: 91 Resp: 1990570

Ion Ratio Lower Upper

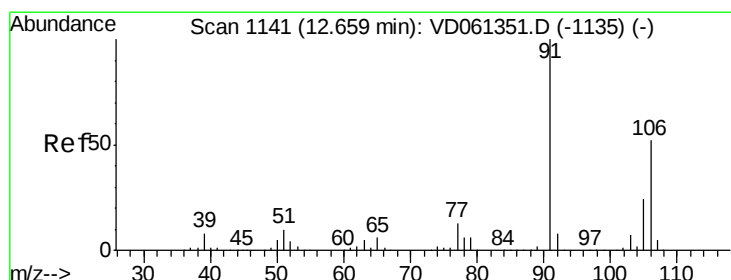
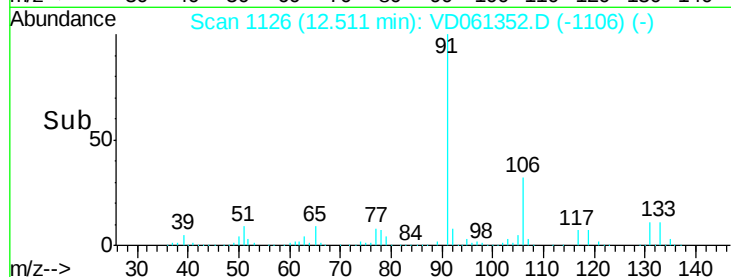
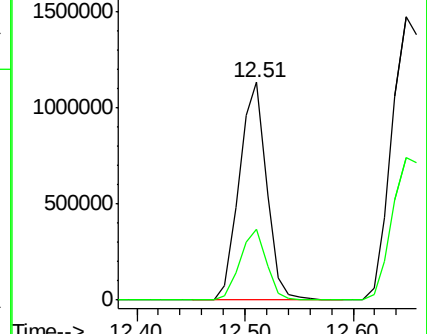
91 100

106 32.3 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 146.117 ug/l

RT: 12.65 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VD061352.D

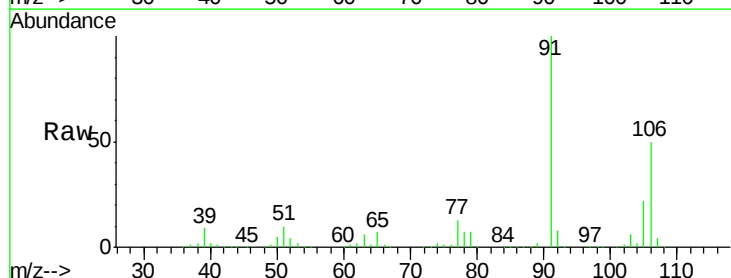
Acq: 27 Mar 2019 13:35

Tgt Ion: 106 Resp: 1615593

Ion Ratio Lower Upper

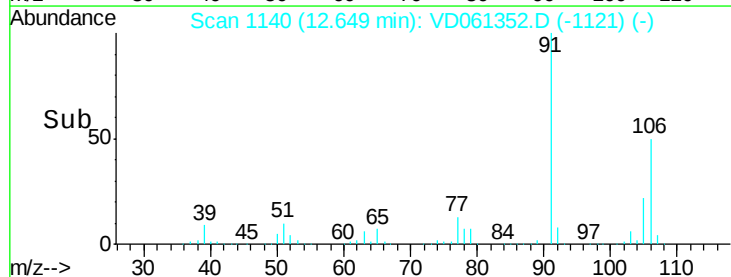
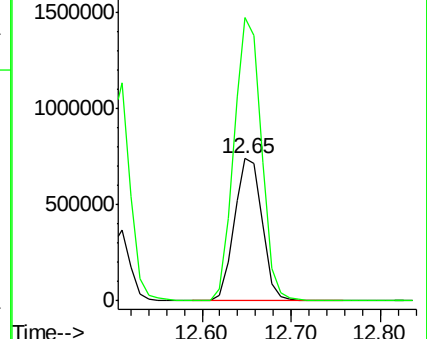
106 100

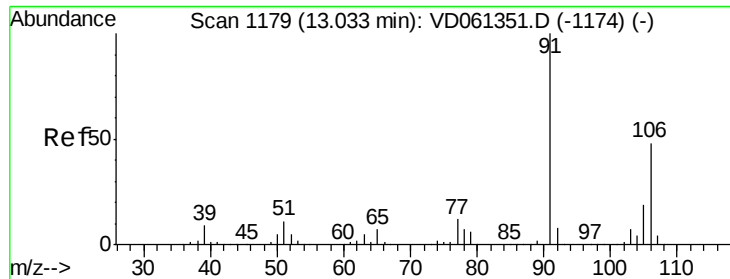
91 199.1 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

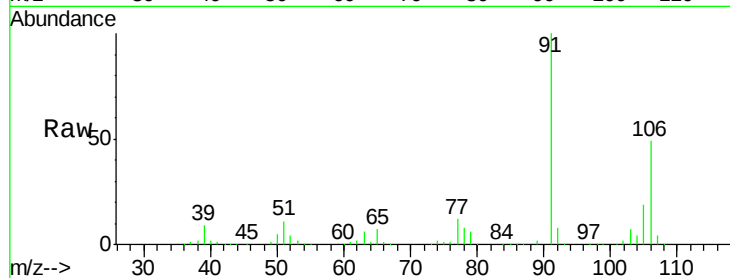




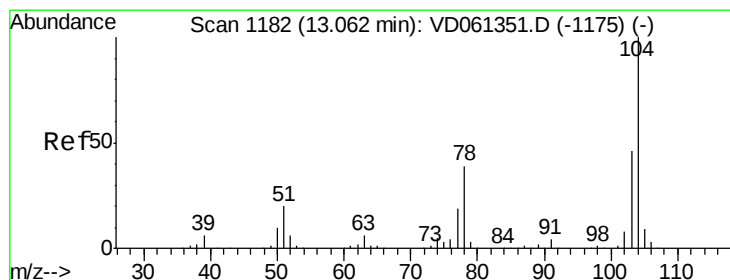
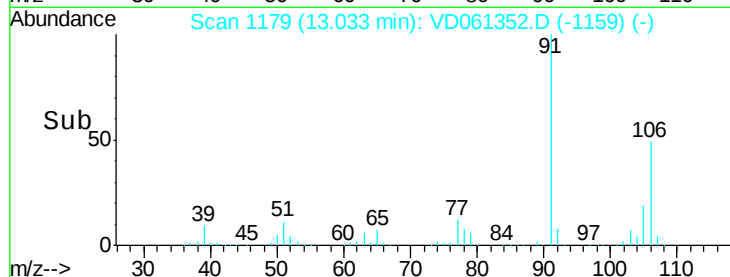
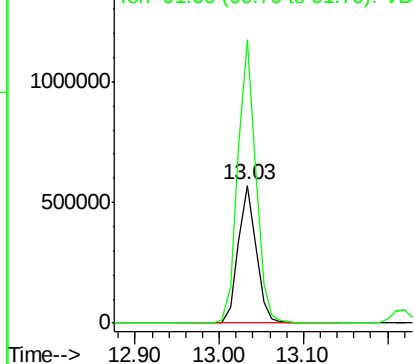
#69
o-Xylene
Concen: 79.375 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:106 Resp: 851673
Ion Ratio Lower Upper
106 100
91 205.4 103.8 311.3

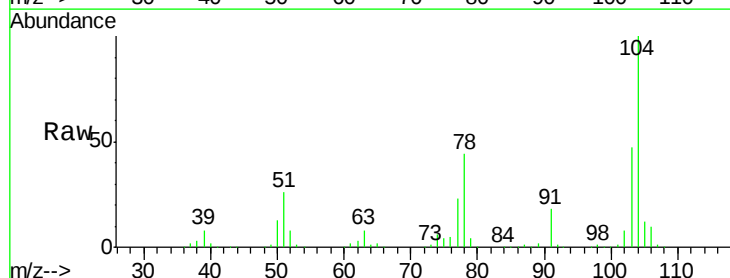


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

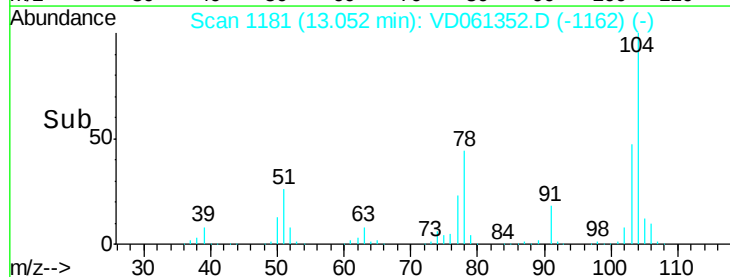
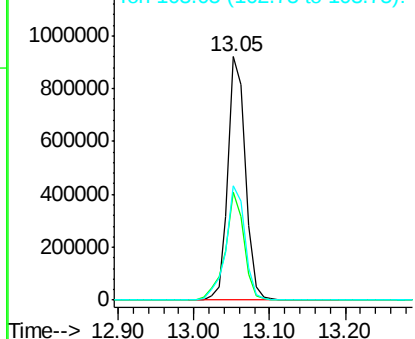


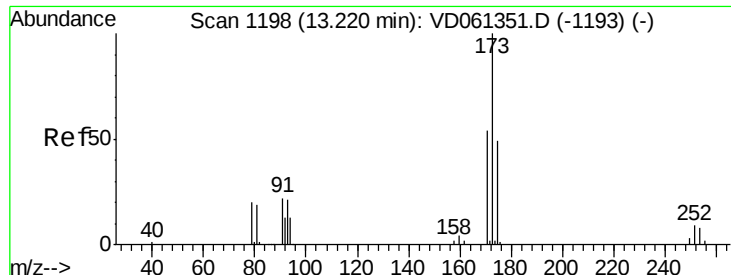
#70
Styrene
Concen: 78.381 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion:104 Resp: 1466054
Ion Ratio Lower Upper
104 100
78 44.2 31.0 46.6
103 47.0 37.0 55.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V

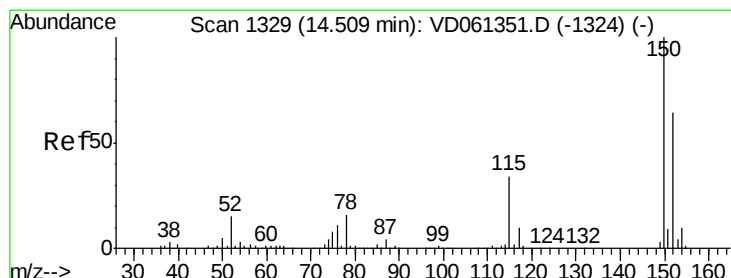
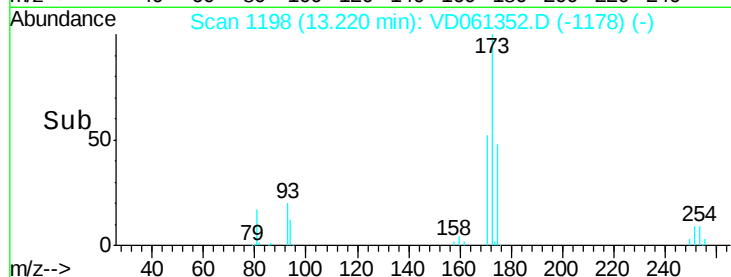
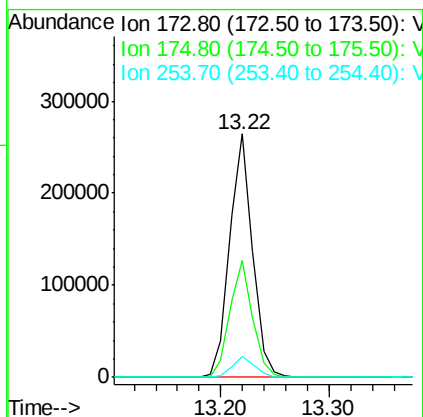
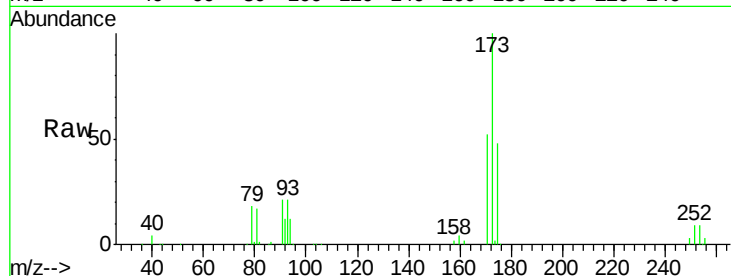




#71
Bromoform
Concen: 82.837 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

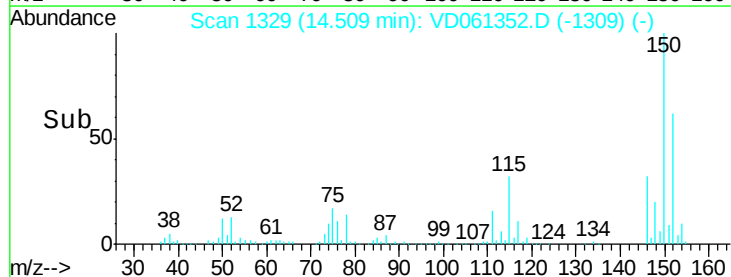
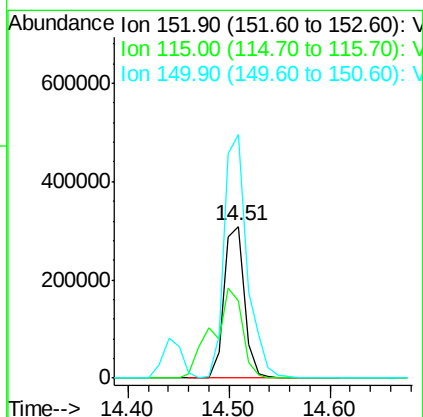
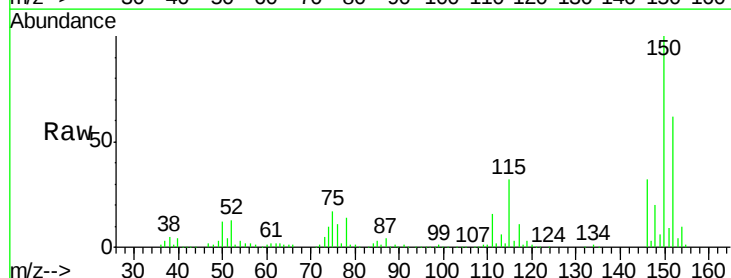
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

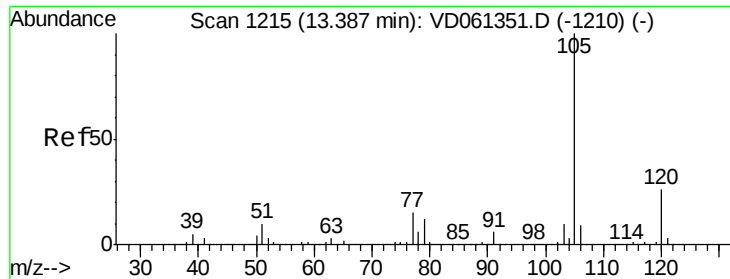
Tgt Ion:173 Resp: 388807
Ion Ratio Lower Upper
173 100
175 47.8 24.6 73.8
254 8.6 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion:152 Resp: 436397
Ion Ratio Lower Upper
152 100
115 50.7 26.9 80.6
150 160.3 0.0 318.0





#73

Isopropylbenzene

Concen: 62.659 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

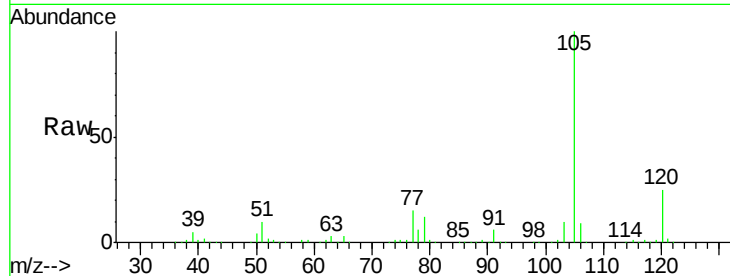
VSTDIC075

Tgt Ion:105 Resp: 1903121

Ion Ratio Lower Upper

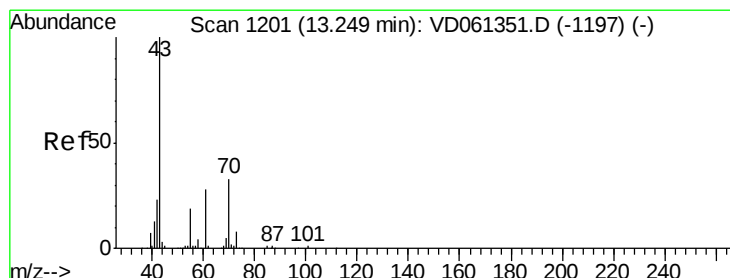
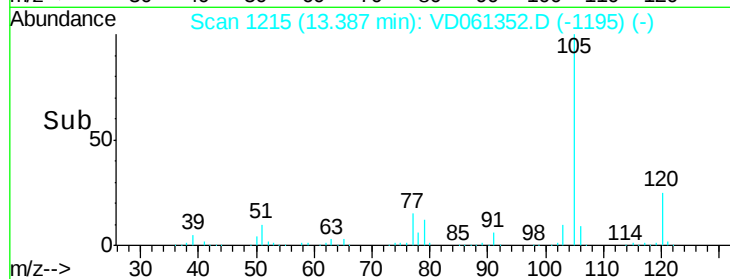
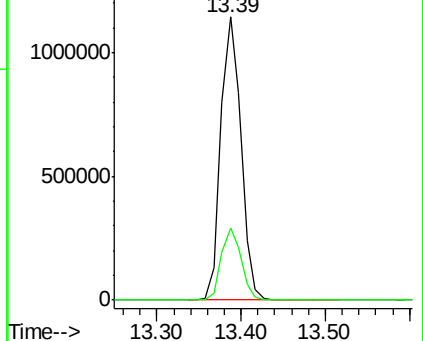
105 100

120 25.5 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 70.915 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Tgt Ion: 43 Resp: 600005

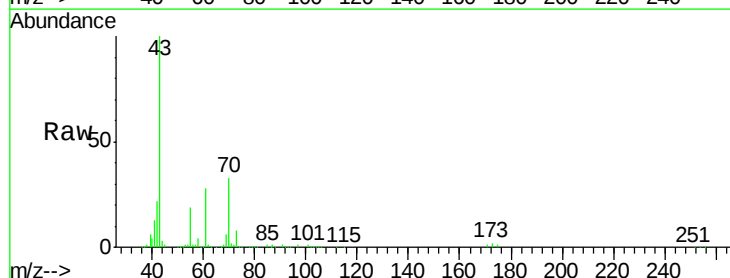
Ion Ratio Lower Upper

43 100

70 33.4 26.6 40.0

55 19.3 15.4 23.2

61 27.6 22.2 33.4

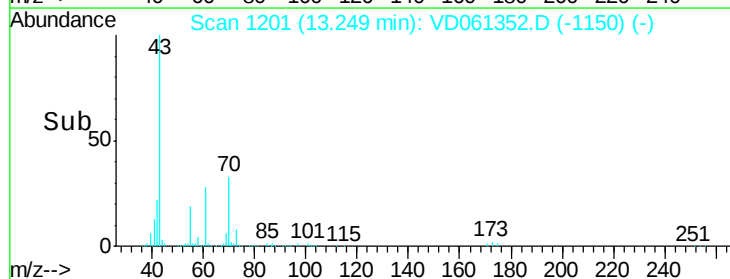
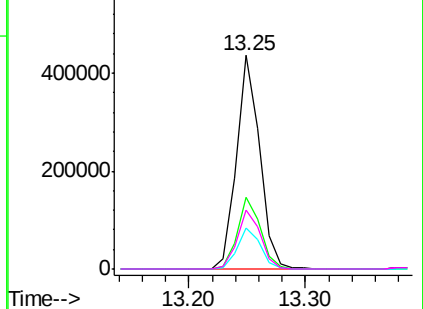


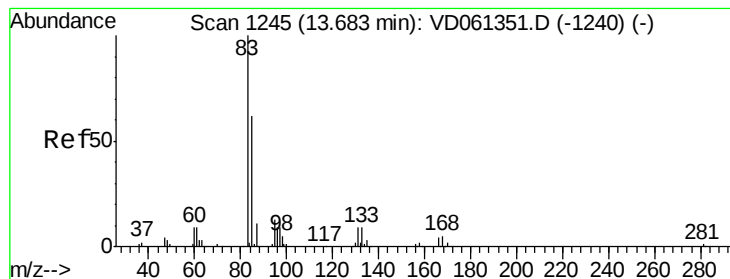
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 71.598 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

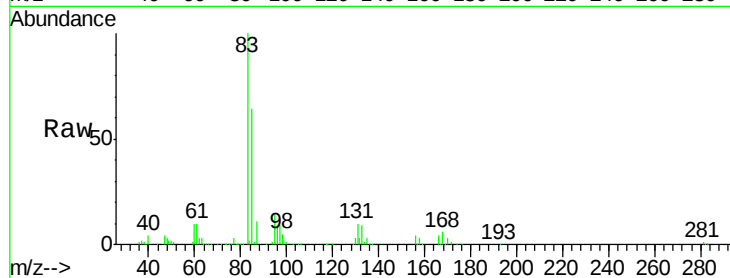
MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 83 Resp: 458741

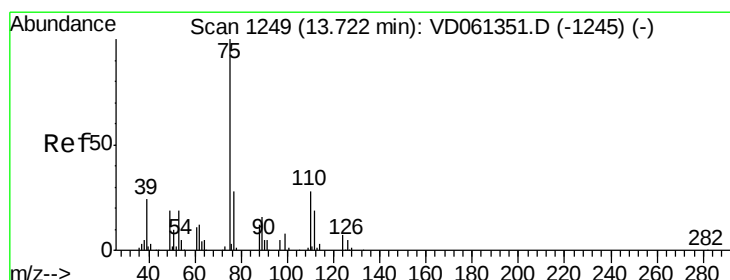
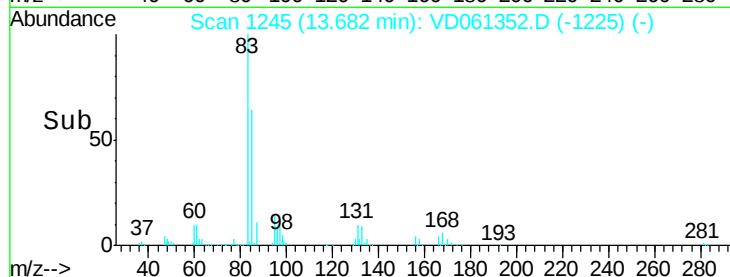
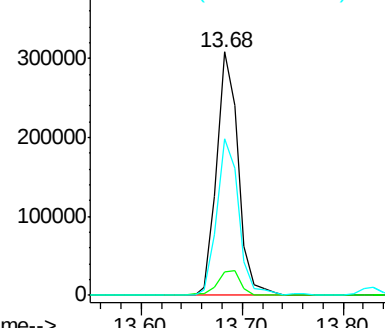
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.3	13.1
85	64.5	31.2	93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 74.492 ug/l

RT: 13.72 min Scan# 1249

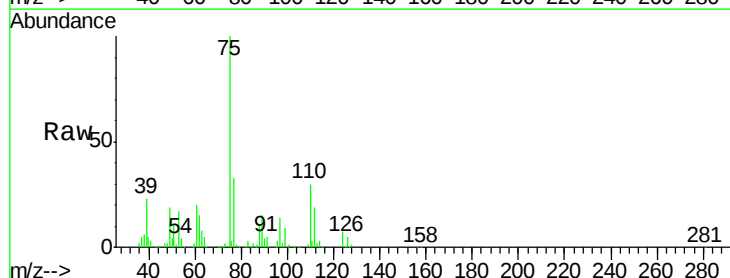
Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

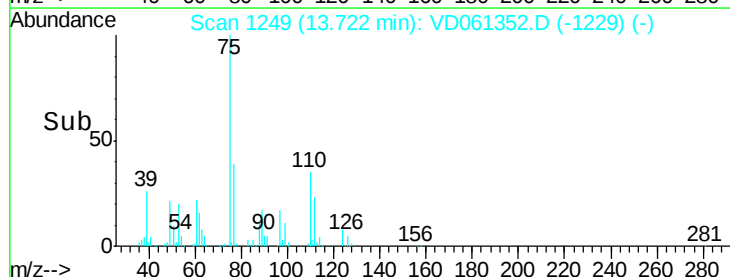
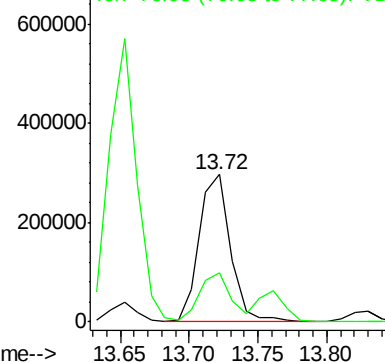
Tgt Ion: 75 Resp: 469586

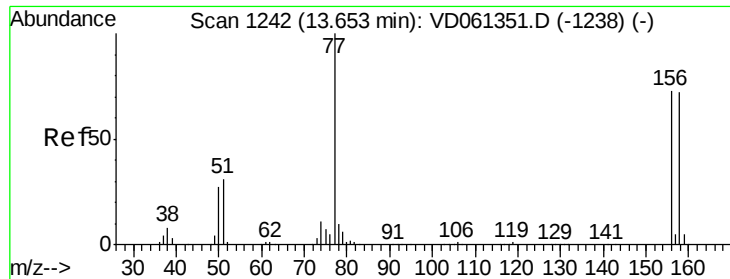
Ion	Ratio	Lower	Upper
75	100		
77	32.9	16.2	48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 71.564 ug/l

RT: 13.65 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

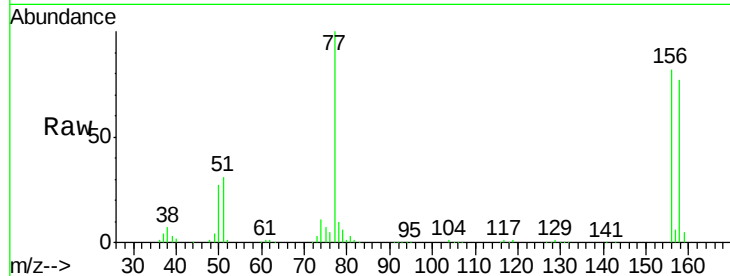
Tgt Ion:156 Resp: 644385

Ion Ratio Lower Upper

156 100

77 122.4 68.5 205.6

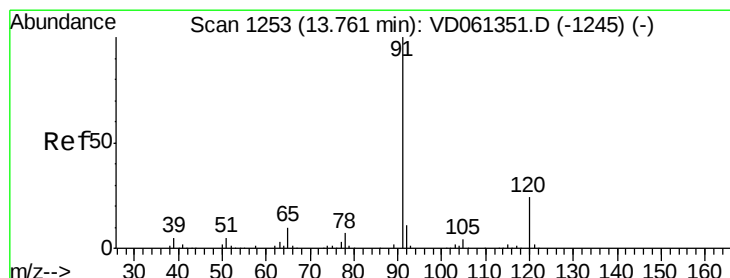
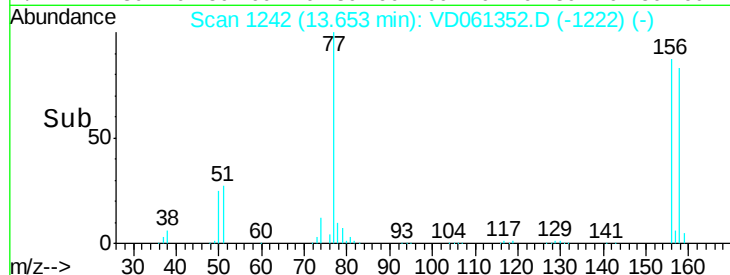
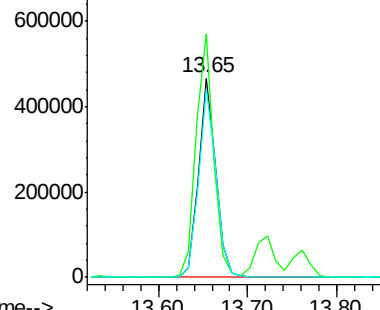
158 94.7 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 66.654 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD061352.D

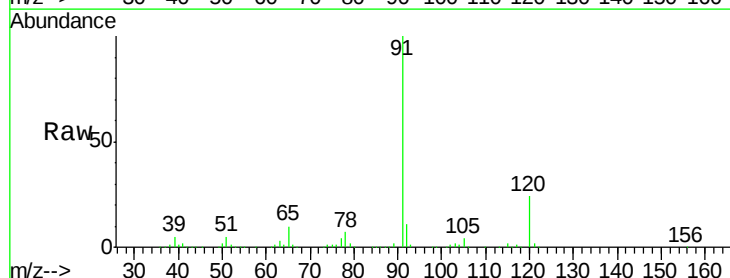
Acq: 27 Mar 2019 13:35

Tgt Ion: 91 Resp: 2477471

Ion Ratio Lower Upper

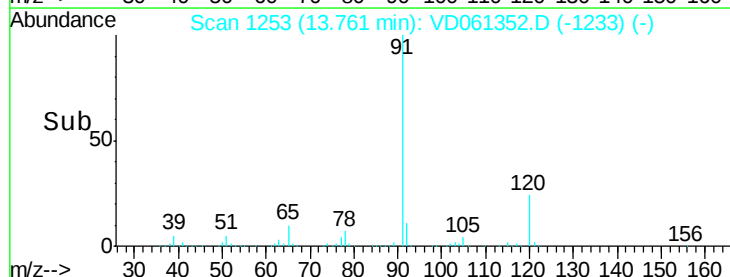
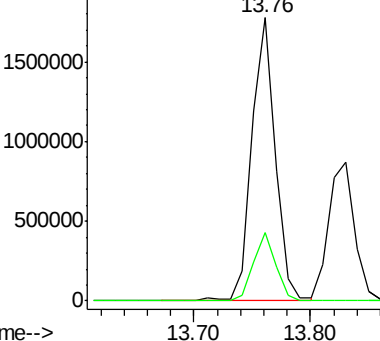
91 100

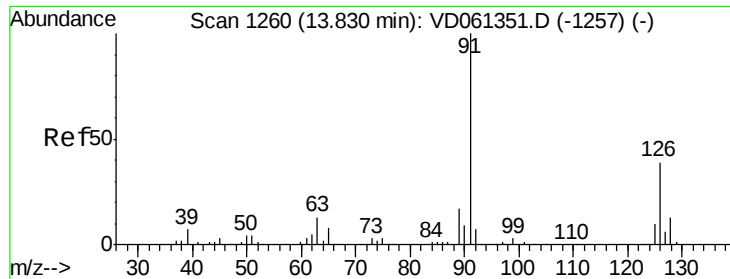
120 24.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

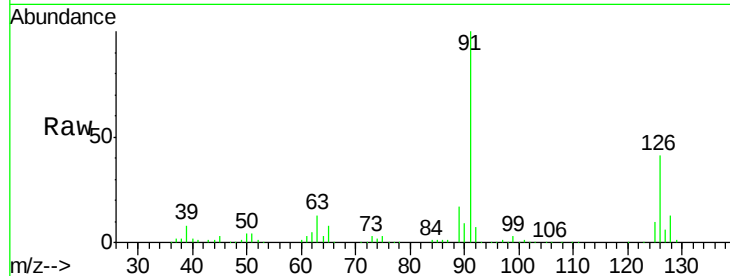




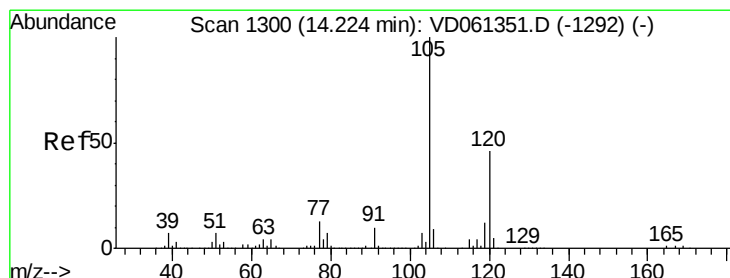
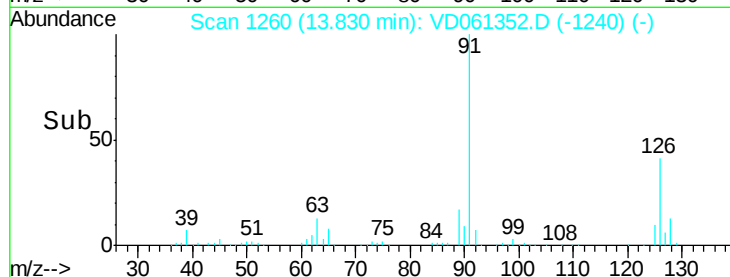
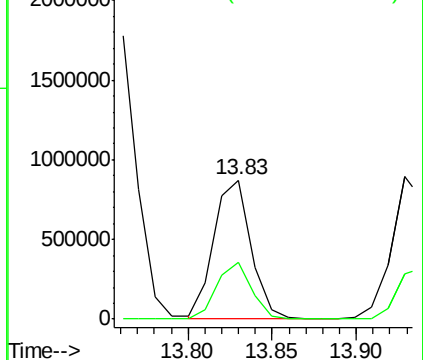
#79
2-Chlorotoluene
Concen: 66.069 ug/l
RT: 13.83 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 91 Resp: 1333643
Ion Ratio Lower Upper
91 100
126 40.8 19.4 58.2

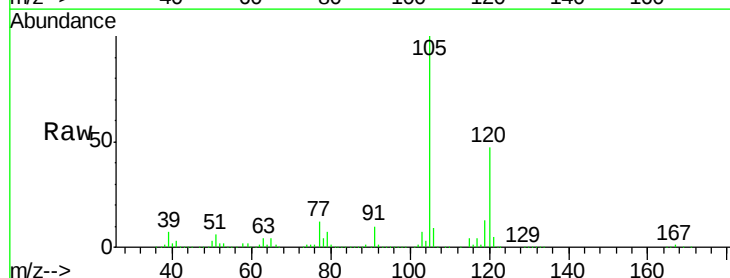


Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)
Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

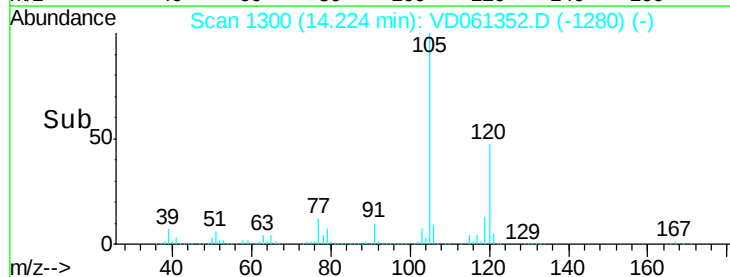
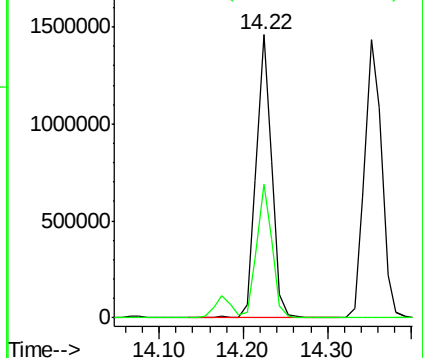


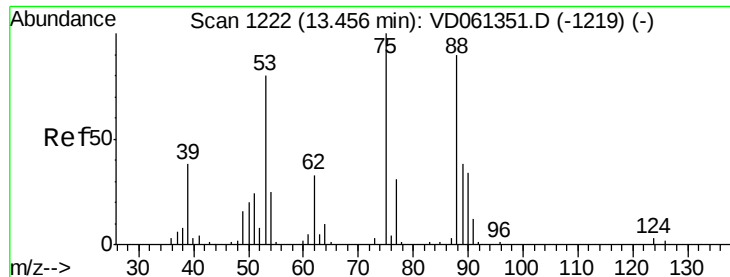
#80
1,3,5-Trimethylbenzene
Concen: 74.295 ug/l
RT: 14.22 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion: 105 Resp: 1895483
Ion Ratio Lower Upper
105 100
120 47.2 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1292) (-)
Ion 120.05 (119.75 to 120.75): VD061351.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 81.058 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

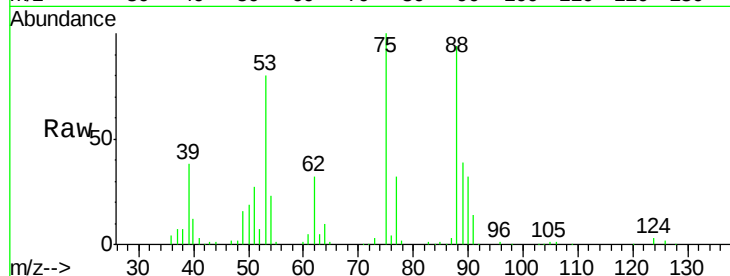
Tgt Ion: 75 Resp: 155798

Ion Ratio Lower Upper

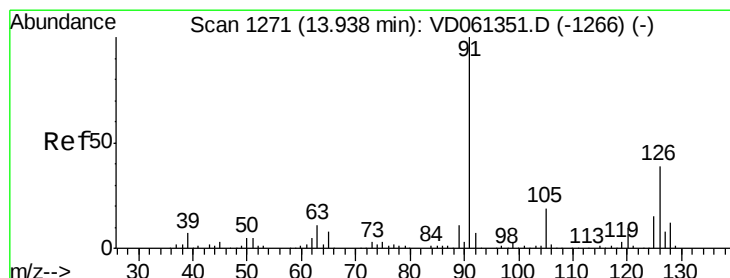
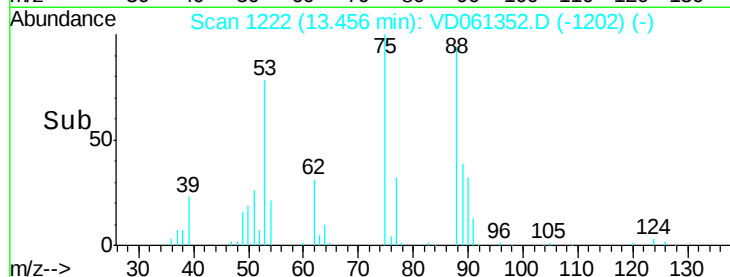
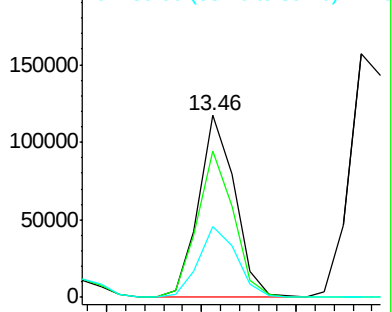
75 100

53 80.3 63.8 95.8

89 39.0 30.5 45.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 63.587 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD061352.D

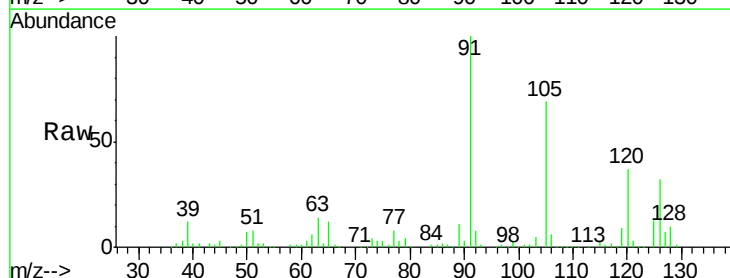
Acq: 27 Mar 2019 13:35

Tgt Ion: 91 Resp: 1395392

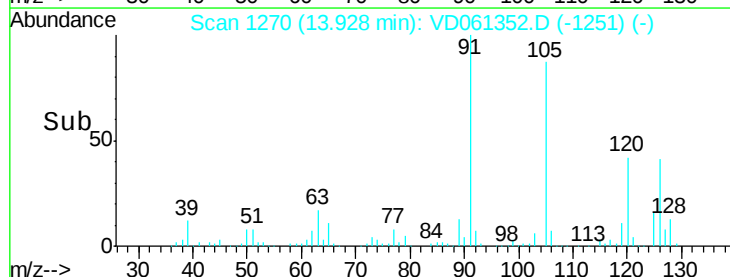
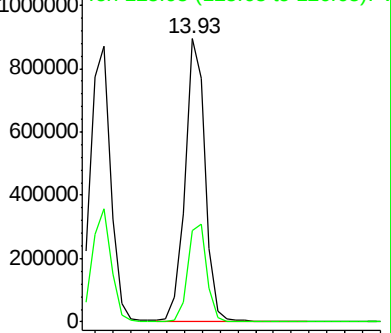
Ion Ratio Lower Upper

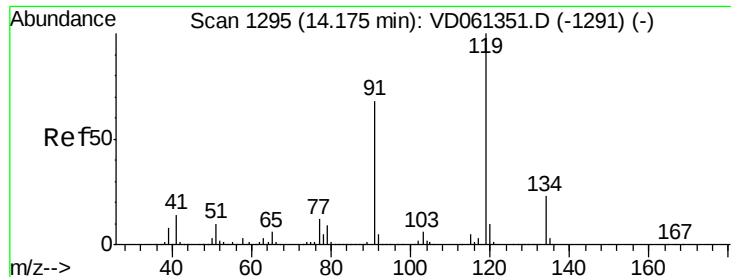
91 100

126 32.1 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 72.548 ug/l

RT: 14.17 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

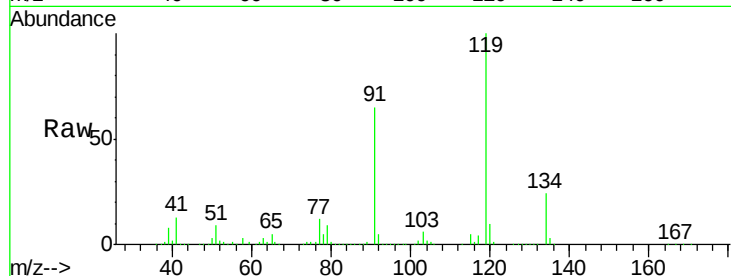
Tgt Ion:119 Resp: 2136587

Ion Ratio Lower Upper

119 100

91 65.5 34.1 102.3

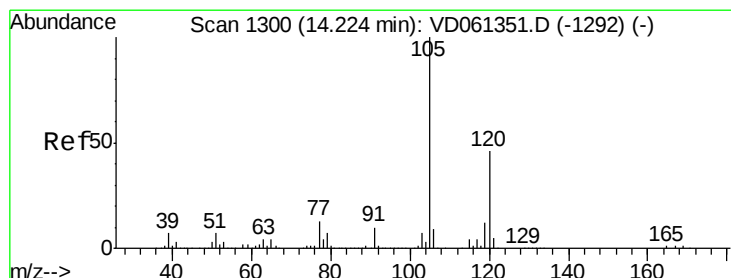
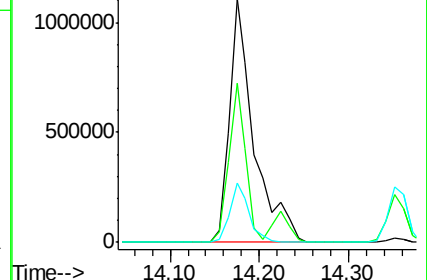
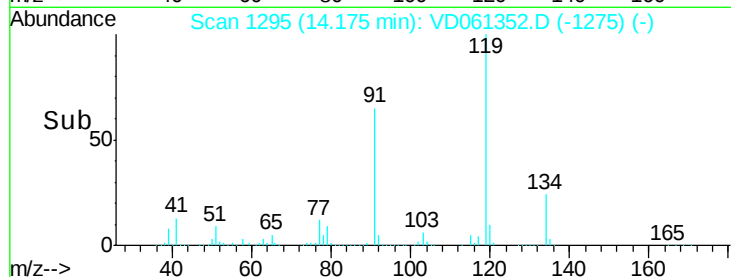
134 24.3 11.6 34.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 74.295 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VD061352.D

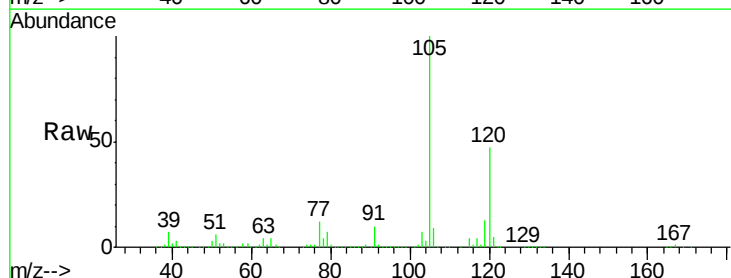
Acq: 27 Mar 2019 13:35

Tgt Ion:105 Resp: 1895483

Ion Ratio Lower Upper

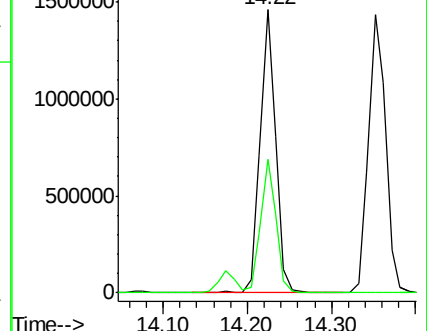
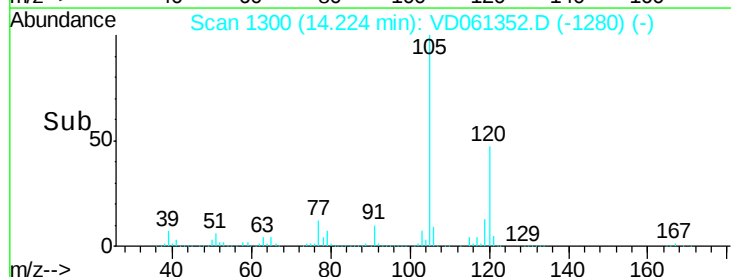
105 100

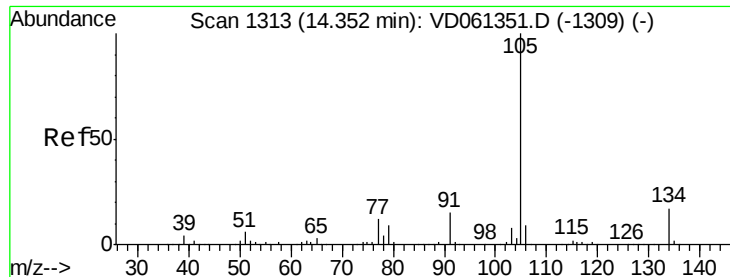
120 47.2 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

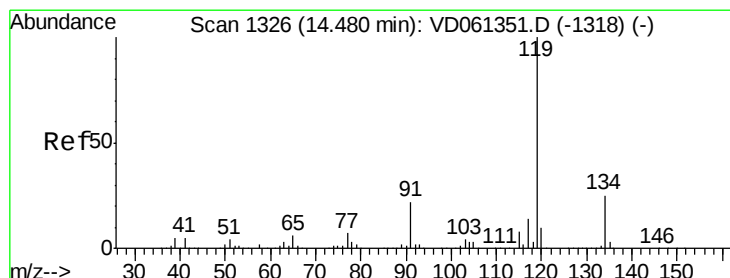
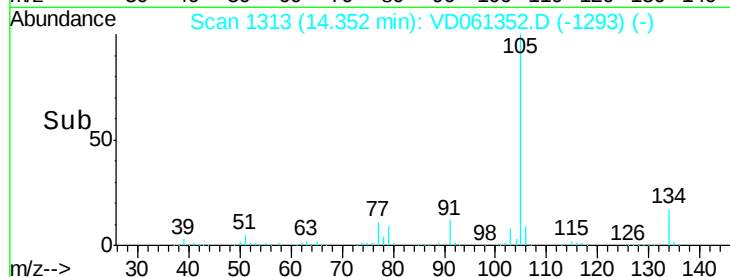
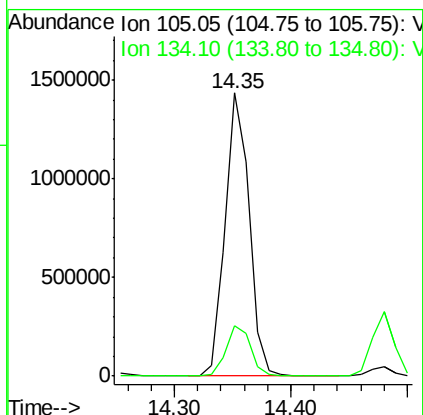
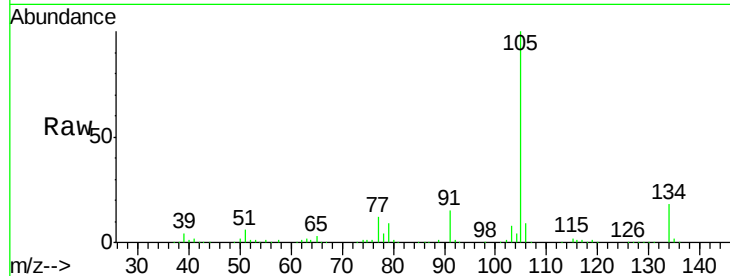




#85
 sec-Butylbenzene
 Concen: 65.123 ug/l
 RT: 14.35 min Scan# 1313
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

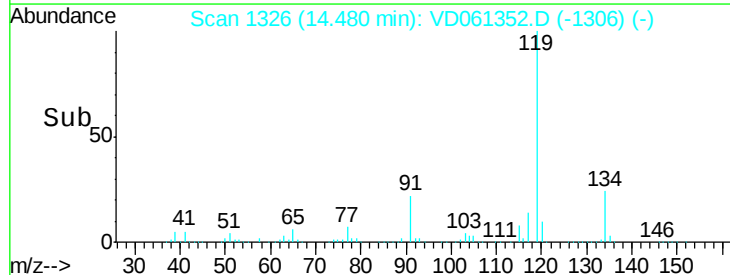
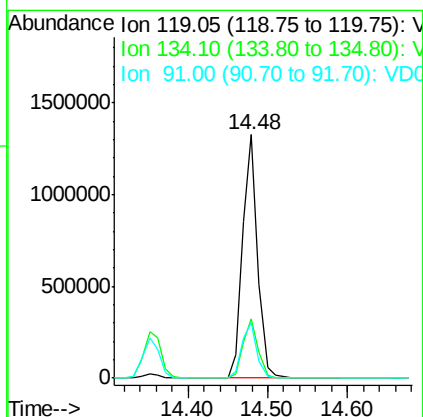
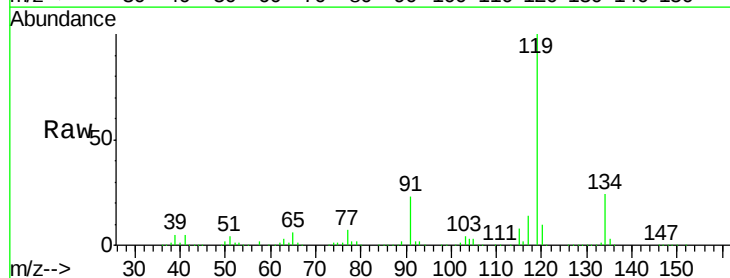
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

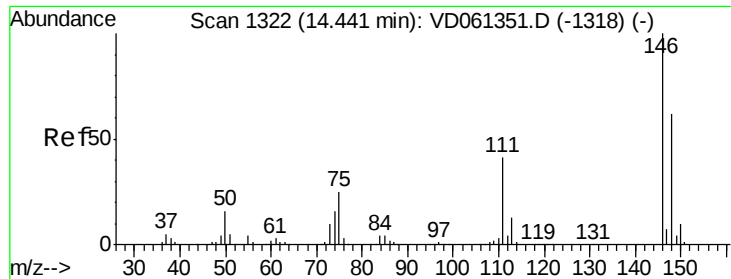
Tgt Ion:105 Resp: 2037502
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 64.980 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Tgt Ion:119 Resp: 1719114
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.3 36.8
 91 22.5 11.1 33.1

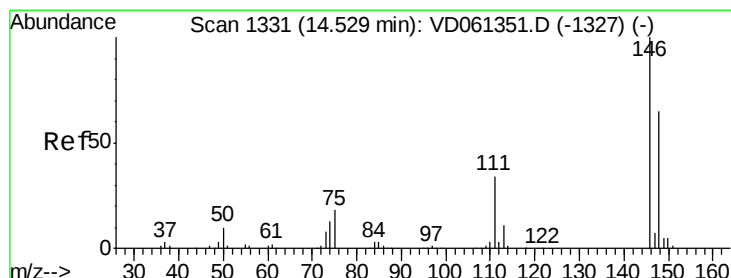
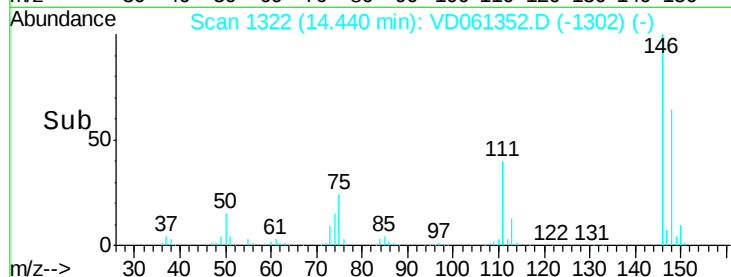
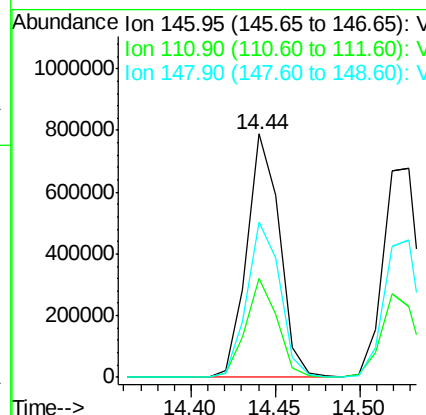
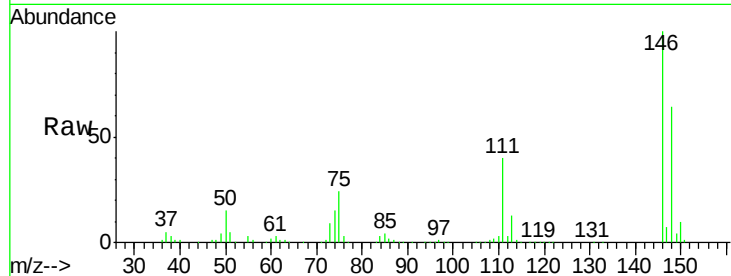




#87
 1,3-Dichlorobenzene
 Concen: 69.954 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

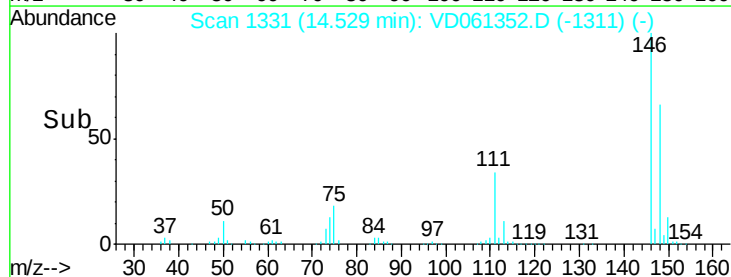
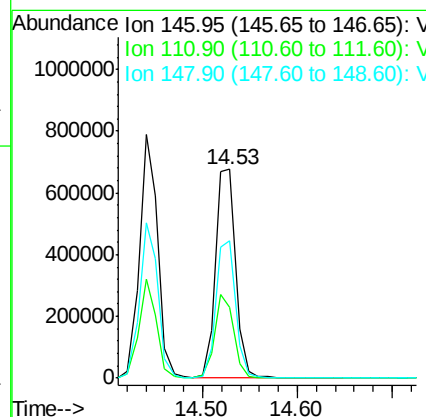
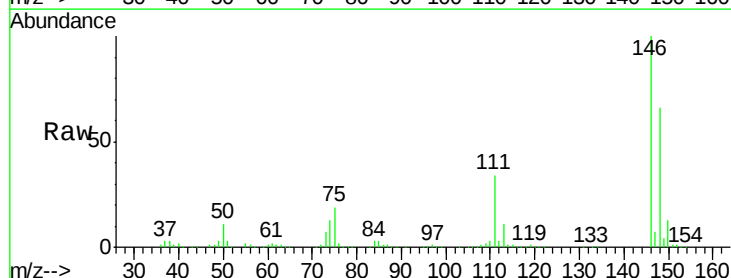
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

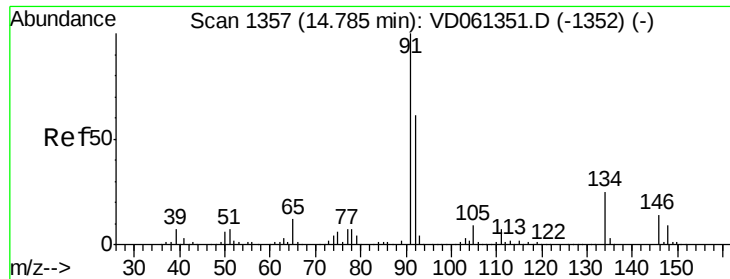
Tgt Ion:146 Resp: 1066648
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.6 61.9
 148 64.0 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 67.843 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Tgt Ion:146 Resp: 1008802
 Ion Ratio Lower Upper
 146 100
 111 34.0 16.8 50.4
 148 65.7 32.6 98.0





#89

n-Butylbenzene

Concen: 59.201 ug/l

RT: 14.78 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VD061352.D

Acq: 27 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

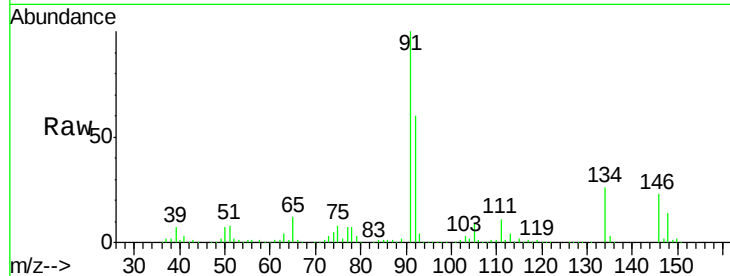
Tgt Ion: 91 Resp: 1437533

Ion Ratio Lower Upper

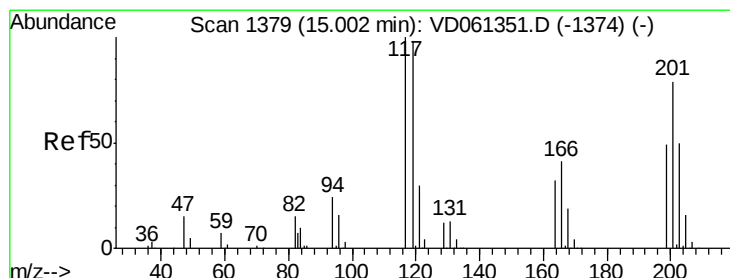
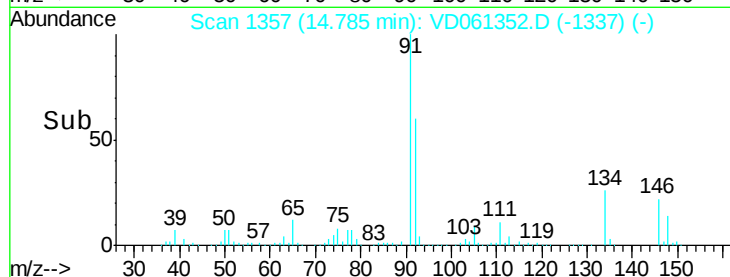
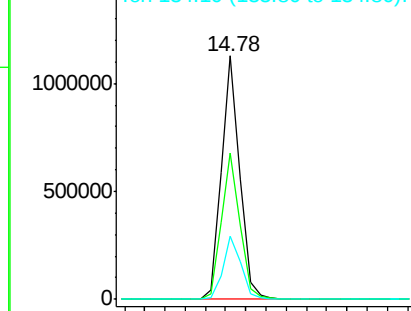
91 100

92 60.3 30.3 91.0

134 26.0 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 74.135 ug/l

RT: 14.99 min Scan# 1378

Delta R.T. -0.01 min

Lab File: VD061352.D

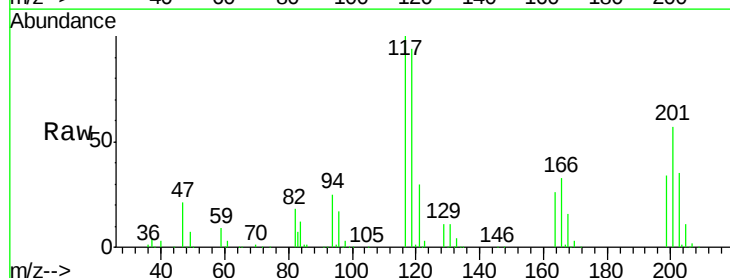
Acq: 27 Mar 2019 13:35

Tgt Ion: 117 Resp: 554091

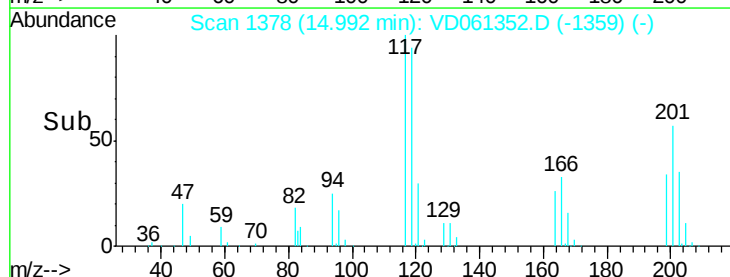
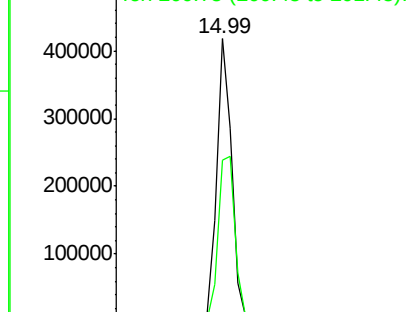
Ion Ratio Lower Upper

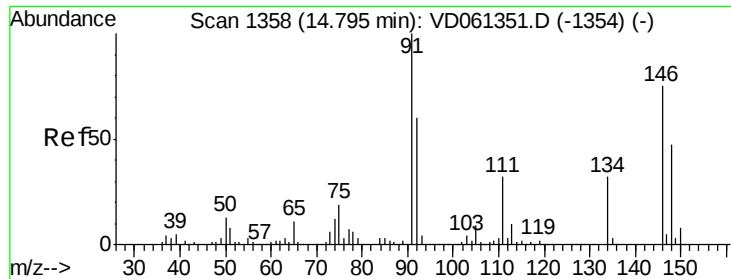
117 100

201 57.3 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC
Ion 200.75 (200.45 to 201.45): VDC

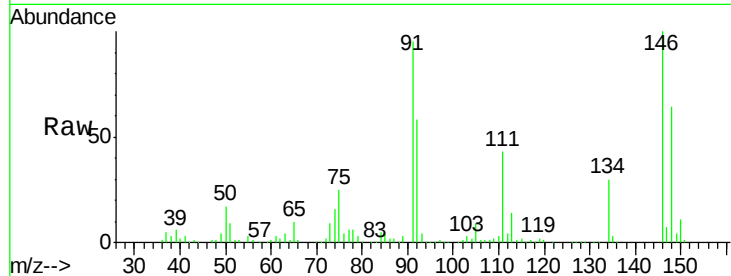




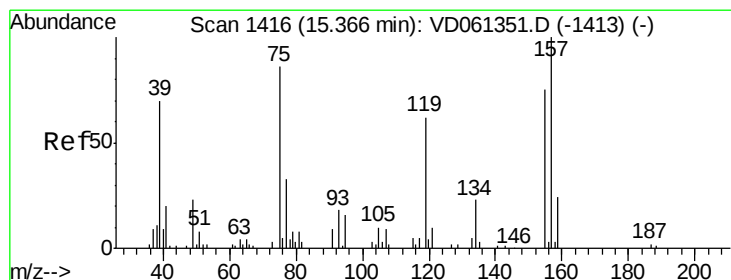
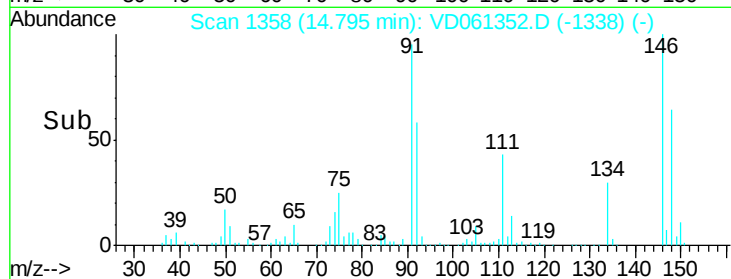
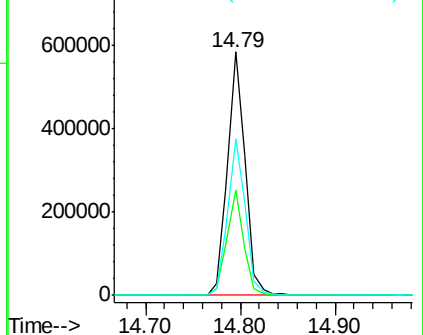
#91
 1,2-Dichlorobenzene
 Concen: 60.270 ug/l
 RT: 14.79 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:146 Resp: 753791
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.2 63.6
 148 64.1 31.6 95.0

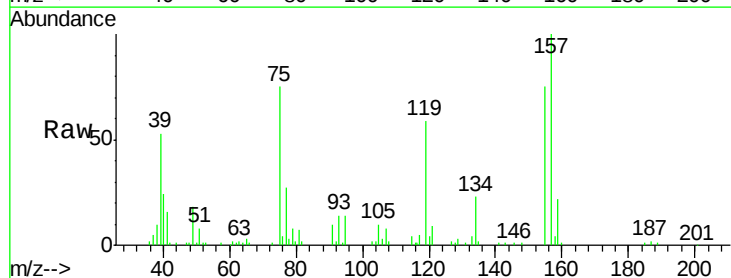


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

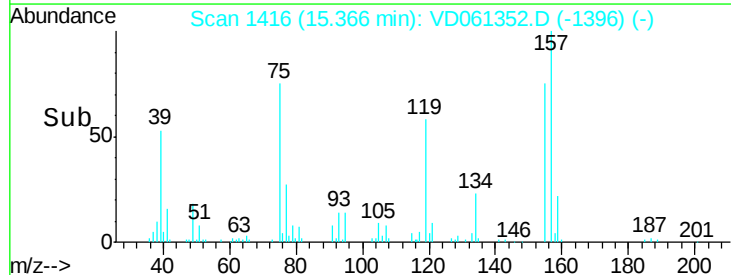
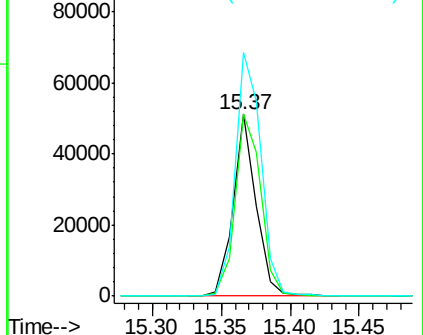


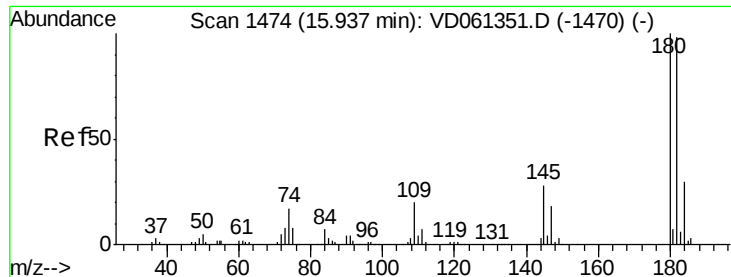
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 78.570 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Tgt Ion: 75 Resp: 59042
 Ion Ratio Lower Upper
 75 100
 155 100.2 43.6 130.9
 157 133.8 58.5 175.3



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

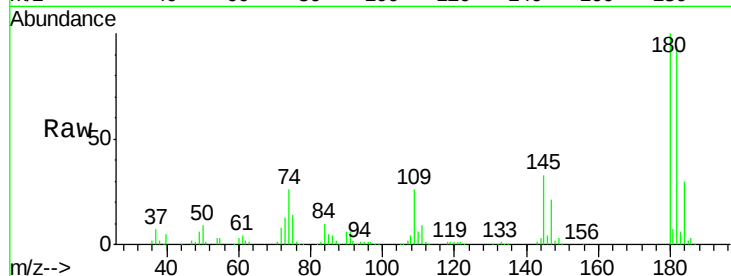




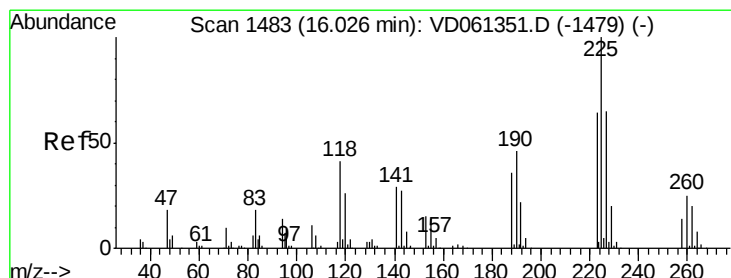
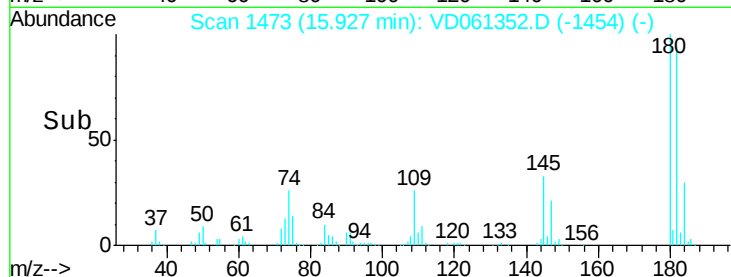
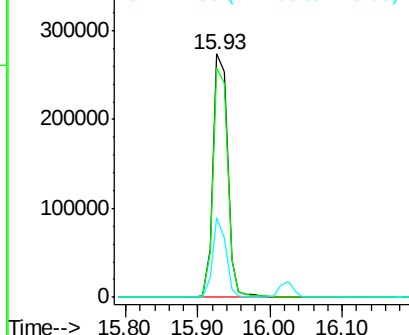
#93
 1,2,4-Trichlorobenzene
 Concen: 67.032 ug/l
 RT: 15.93 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 381903
 Ion Ratio Lower Upper
 180 100
 182 94.2 48.9 146.8
 145 32.8 14.1 42.3

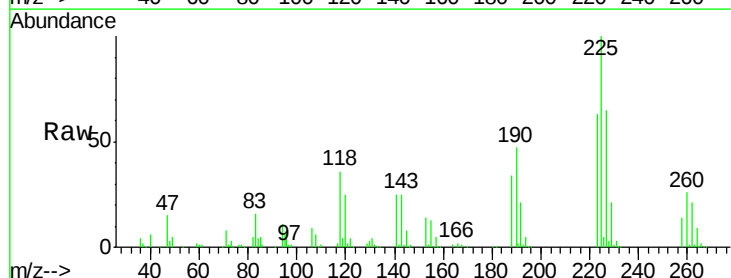


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

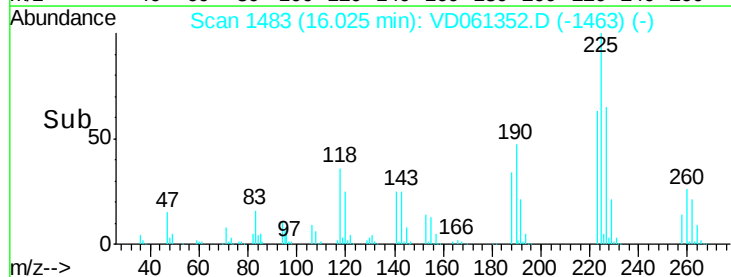
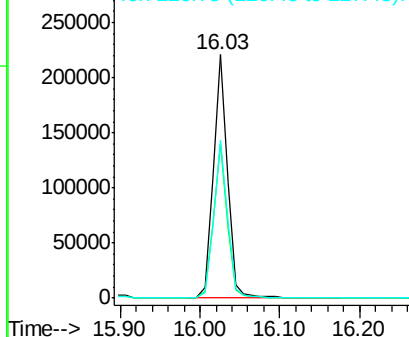


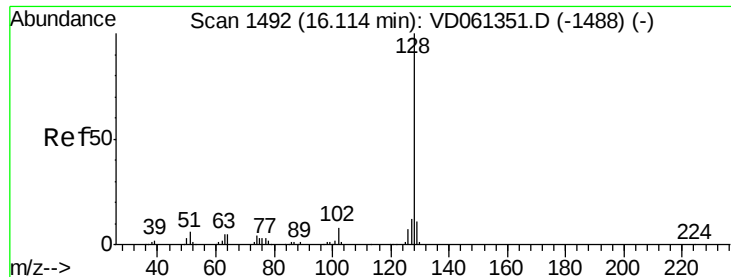
#94
 Hexachlorobutadiene
 Concen: 62.106 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: VD061352.D
 Acq: 27 Mar 2019 13:35

Tgt Ion:225 Resp: 276498
 Ion Ratio Lower Upper
 225 100
 223 63.3 32.0 96.0
 227 64.6 32.4 97.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

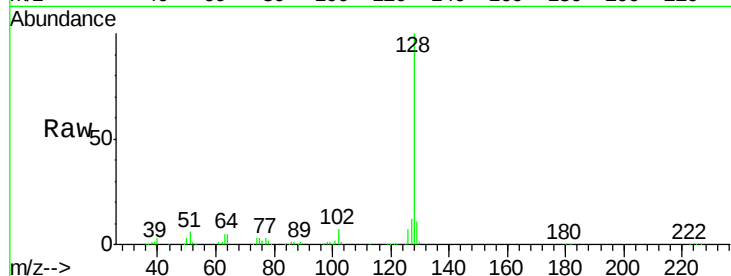




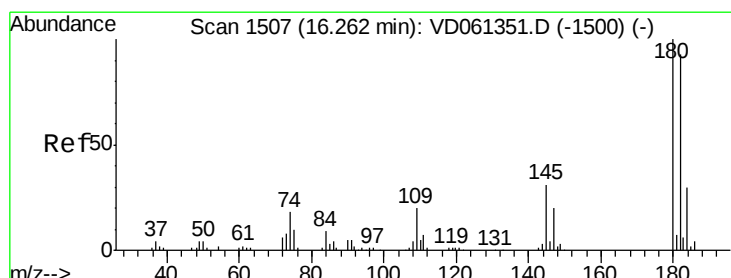
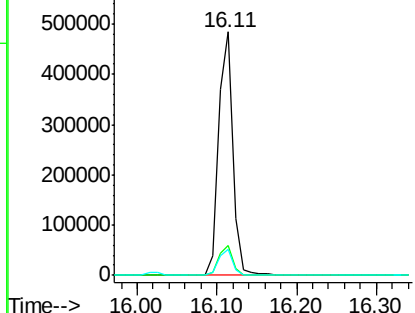
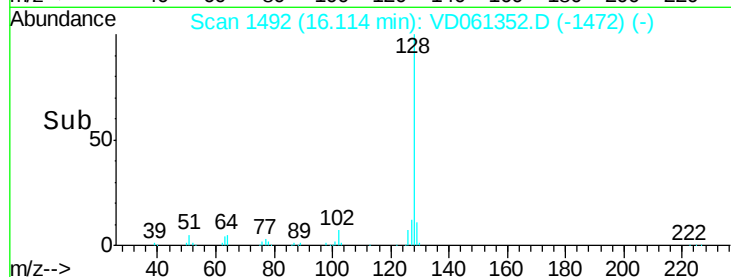
#95
Naphthalene
Concen: 70.976 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 616377
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 10.9 8.9 13.3

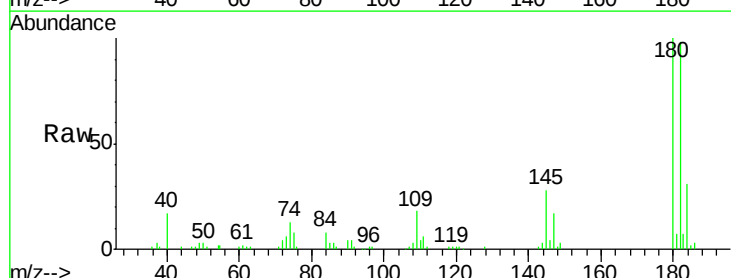


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 57.846 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD061352.D
Acq: 27 Mar 2019 13:35

Tgt Ion:180 Resp: 145026
Ion Ratio Lower Upper
180 100
182 98.4 46.4 139.1
145 28.1 15.3 45.9



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

