

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061351.D
 Acq On : 27 Mar 2019 13:06
 Operator : VA/AP
 Sample : VSTICCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTICCC050

Quant Time: Mar 28 01:54:43 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	740342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1234097	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	980294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	461258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	281681	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
35) Dibromofluoromethane	6.90	113	471545	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.38	98	1127887	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	13.54	95	412176	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	369185	46.783	ug/l	100
3) Chloromethane	1.75	50	274345	42.629	ug/l	100
4) Vinyl Chloride	1.85	62	276686	46.823	ug/l	100
5) Bromomethane	2.14	94	60675	50.766	ug/l	100
6) Chloroethane	2.26	64	98413	56.787	ug/l	100
7) Trichlorofluoromethane	2.52	101	405145	47.045	ug/l	100
8) Diethyl Ether	2.86	74	130850	47.295	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	428551	46.343	ug/l	100
10) Methyl Iodide	3.30	142	683103	55.908	ug/l	100
11) Tert butyl alcohol	4.04	59	95379	242.613	ug/l	100
12) 1,1-Dichloroethene	3.11	96	366369	46.118	ug/l	100
13) Acrolein	3.02	56	74956	221.816	ug/l	100
14) Allyl chloride	3.60	41	514804	46.506	ug/l	100
15) Acrylonitrile	4.17	53	331582	243.020	ug/l	100
16) Acetone	3.20	43	428079	262.042	ug/l	100
17) Carbon Disulfide	3.37	76	1221606	47.332	ug/l	100
18) Methyl Acetate	3.62	43	152759	44.778	ug/l	100
19) Methyl tert-butyl Ether	4.21	73	649156	47.249	ug/l	100
20) Methylene Chloride	3.80	84	412938	39.927	ug/l	100
21) trans-1,2-Dichloroethene	4.19	96	406516	47.390	ug/l	100
22) Diisopropyl ether	5.09	45	1139892	48.632	ug/l	100
23) Vinyl Acetate	5.02	43	3138254	245.625	ug/l	100
24) 1,1-Dichloroethane	4.96	63	651006	47.235	ug/l	100
25) 2-Butanone	6.03	43	503747	246.776	ug/l	100
26) 2,2-Dichloropropane	5.99	77	552457	50.497	ug/l	100
27) cis-1,2-Dichloroethene	6.01	96	464509	49.510	ug/l	100
28) Bromochloromethane	6.41	49	270633	48.731	ug/l	100
29) Tetrahydrofuran	6.42	42	230477	232.949	ug/l	100
30) Chloroform	6.63	83	705932	49.657	ug/l	100
31) Cyclohexane	6.93	56	545390	50.165	ug/l	100
32) 1,1,1-Trichloroethane	6.84	97	627161	50.007	ug/l	100
36) 1,1-Dichloropropene	7.12	75	488123	45.317	ug/l	100
37) Ethyl Acetate	6.15	43	229728	49.900	ug/l	100
38) Carbon Tetrachloride	7.09	117	647798	51.739	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	530621	47.302	ug/l	100
40) Benzene	7.43	78	1293923	47.866	ug/l	100
41) Methacrylonitrile	6.42	41	256593	47.623	ug/l	100
42) 1,2-Dichloroethane	7.55	62	404290	49.999	ug/l	100
43) Isopropyl Acetate	9.21	43	347187	51.801	ug/l	100
44) Trichloroethene	8.51	130	476065	47.323	ug/l	100
45) 1,2-Dichloropropane	8.92	63	345133	50.351	ug/l	100
46) Dibromomethane	9.04	93	227238	49.254	ug/l	100
47) Bromodichloromethane	9.35	83	516588	49.888	ug/l	100
48) Methyl methacrylate	9.10	41	176220	47.641	ug/l	100
49) 1,4-Dioxane	9.06	88	40091	982.653	ug/l	100
51) 4-Methyl-2-Pentanone	10.28	43	998492	244.924	ug/l	100
52) Toluene	10.48	92	764770	46.374	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	496302	52.753	ug/l	100
54) cis-1,3-Dichloropropene	10.01	75	555254	48.469	ug/l	100
55) 1,1,2-Trichloroethane	11.16	97	272609	47.267	ug/l	100
56) Ethyl methacrylate	11.01	69	313903	50.664	ug/l	100
57) 1,3-Dichloropropane	11.39	76	422053	49.787	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.83	63	714163	236.688	ug/l	100
59) 2-Hexanone	11.51	43	738649	250.020	ug/l	100
60) Dibromochloromethane	11.66	129	433543	48.761	ug/l	100
61) 1,2-Dibromoethane	11.78	107	328811	49.235	ug/l	100
64) Tetrachloroethene	11.23	164	363604	47.261	ug/l	100
65) Chlorobenzene	12.38	112	917915	45.818	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	400043	51.572	ug/l	100
67) Ethyl Benzene	12.51	91	1574165	51.478	ug/l	100
68) m/p-Xylenes	12.66	106	1141077	98.509	ug/l	100
69) o-Xylene	13.03	106	582883	51.854	ug/l	100
70) Styrene	13.06	104	964625	49.228	ug/l	100
71) Bromoform	13.22	173	251655	51.179	ug/l	100
73) Isopropylbenzene	13.39	105	1460405	45.491	ug/l	100
74) N-amyl acetate	13.25	43	404896	45.275	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.68	83	303774	44.856	ug/l	100
76) 1,2,3-Trichloropropane	13.72	75	291861	43.803	ug/l	100
77) Bromobenzene	13.65	156	436089	45.821	ug/l	100
78) n-propylbenzene	13.76	91	1912434	48.679	ug/l	100
79) 2-Chlorotoluene	13.83	91	973814	45.643	ug/l	100
80) 1,3,5-Trimethylbenzene	14.22	105	1280112	47.471	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	100722	49.579	ug/l	100
82) 4-Chlorotoluene	13.94	91	1052908	45.394	ug/l	100
83) tert-Butylbenzene	14.17	119	1430038	45.940	ug/l	100
84) 1,2,4-Trimethylbenzene	14.22	105	1280112	47.471	ug/l	100
85) sec-Butylbenzene	14.35	105	1535915	46.446	ug/l	100
86) p-Isopropyltoluene	14.48	119	1348131	48.211	ug/l	100
87) 1,3-Dichlorobenzene	14.44	146	765863	47.521	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	748246	47.608	ug/l	100
89) n-Butylbenzene	14.79	91	1182668	46.080	ug/l	100
90) Hexachloroethane	15.00	117	387998	49.114	ug/l	100
91) 1,2-Dichlorobenzene	14.79	146	593787	44.918	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.37	75	37720	47.490	ug/l	100

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QLast Update : Thu Mar 28 01:47:24 2019
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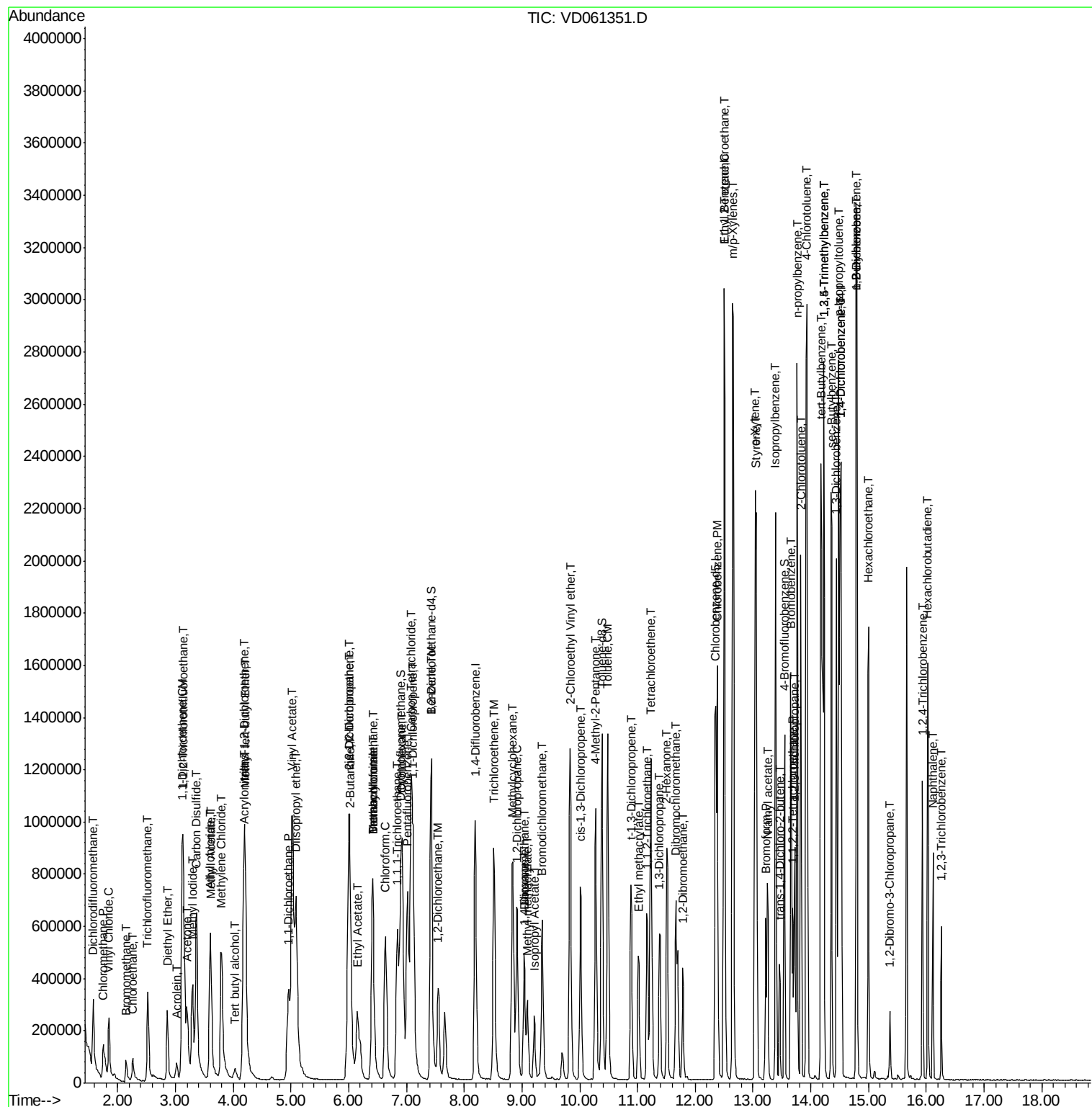
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	314064	52.153	ug/l	100
94) Hexachlorobutadiene	16.03	225	255397	54.274	ug/l	100
95) Naphthalene	16.11	128	509999	55.561	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	148604	56.079	ug/l	100

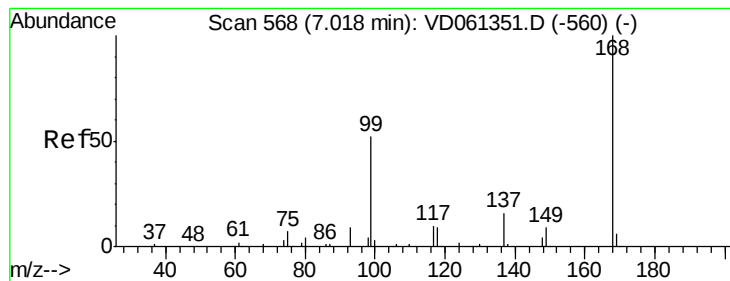
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

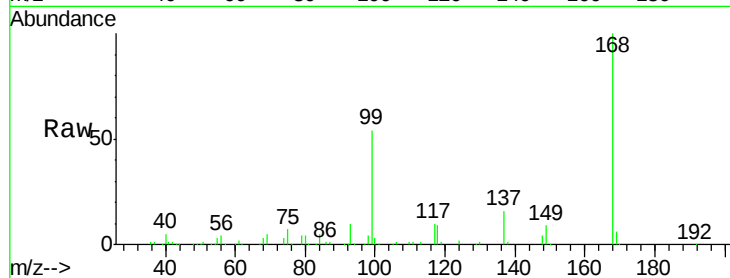
VSTDICCC050

Tgt Ion:168 Resp: 740342

Ion Ratio Lower Upper

168 100

99 53.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

250000

200000

150000

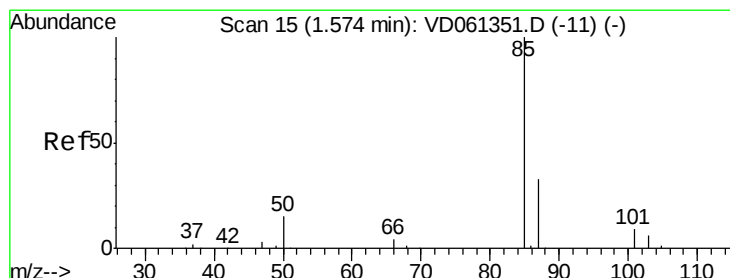
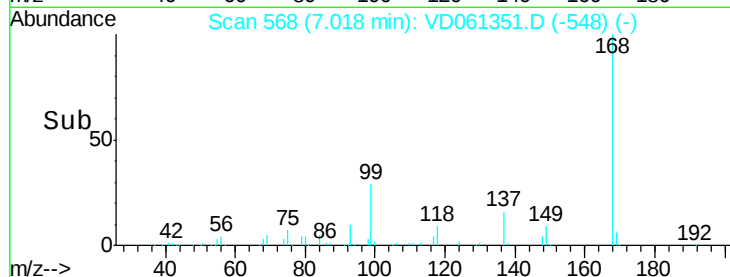
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 46.783 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD061351.D

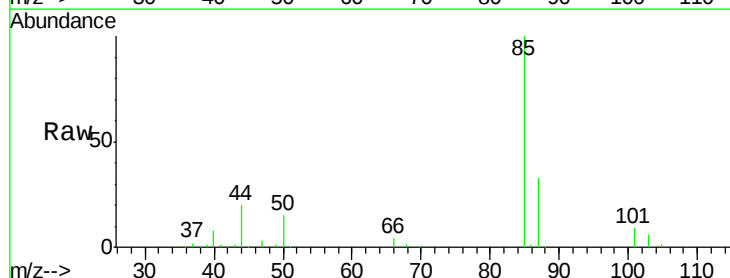
Acq: 27 Mar 2019 13:06

Tgt Ion: 85 Resp: 369185

Ion Ratio Lower Upper

85 100

87 33.1 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

150000

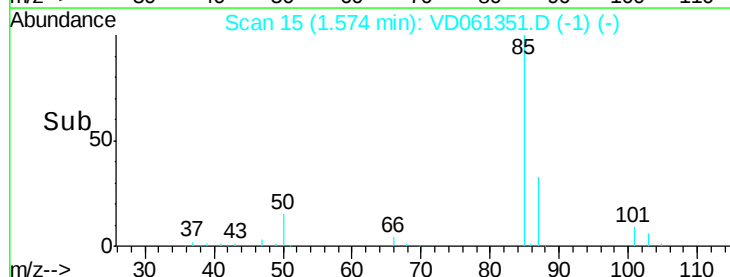
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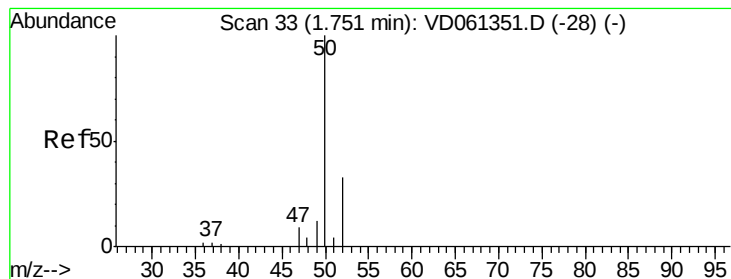
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 42.629 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

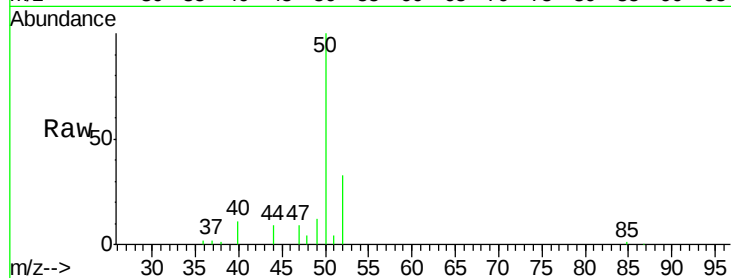
VSTDICCC050

Tgt Ion: 50 Resp: 274345

Ion Ratio Lower Upper

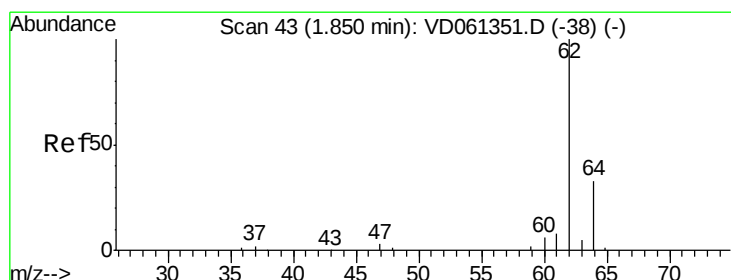
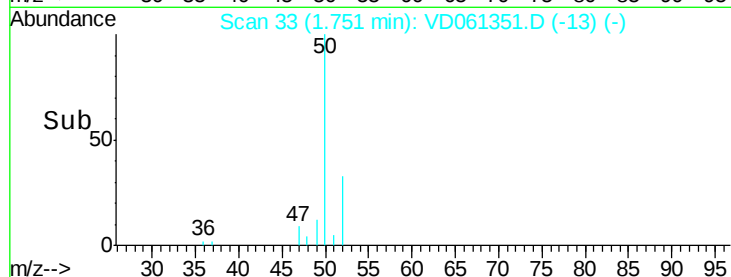
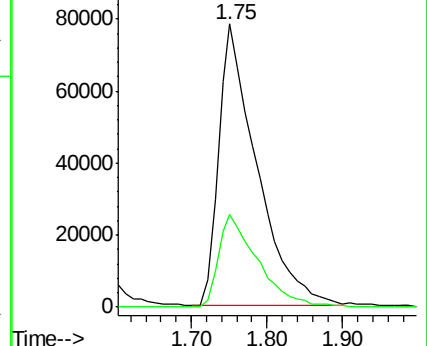
50 100

52 32.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.823 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD061351.D

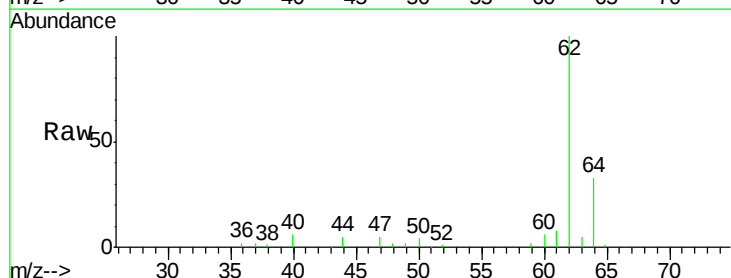
Acq: 27 Mar 2019 13:06

Tgt Ion: 62 Resp: 276686

Ion Ratio Lower Upper

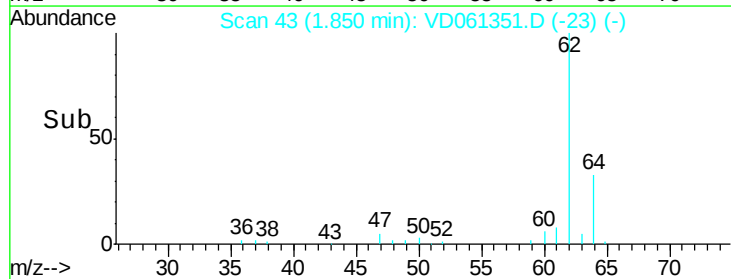
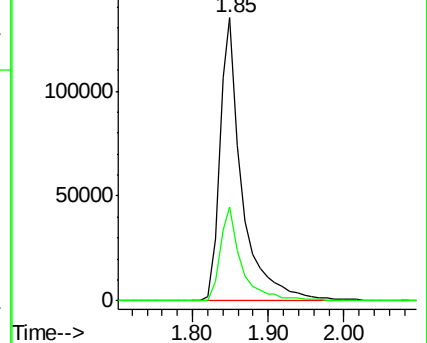
62 100

64 33.2 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.766 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

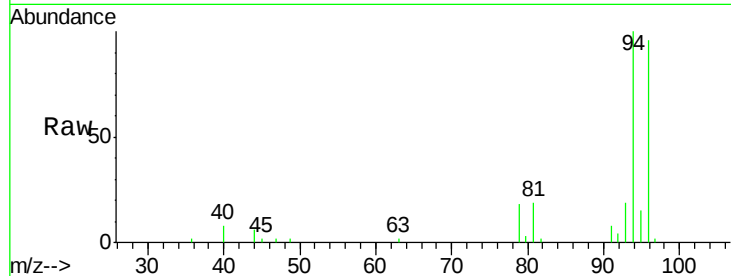
Tgt Ion: 94 Resp: 60675

Ion Ratio Lower Upper

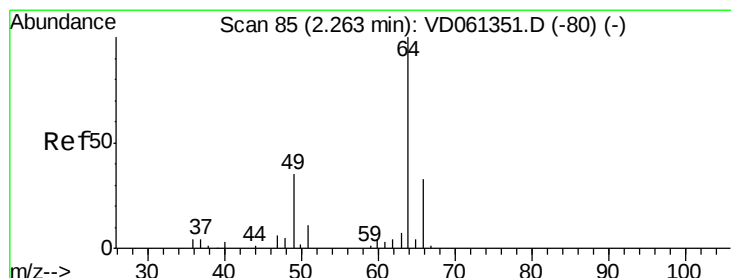
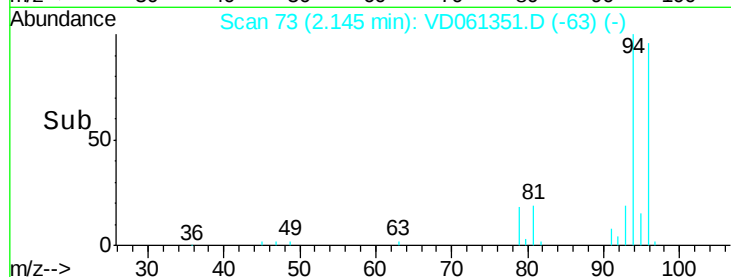
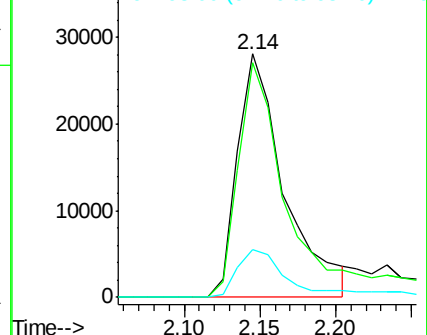
94 100

96 97.9 78.3 117.5

93 19.5 15.6 23.4



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 56.787 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD061351.D

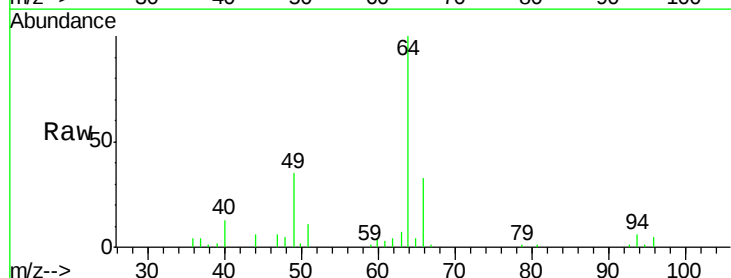
Acq: 27 Mar 2019 13:06

Tgt Ion: 64 Resp: 98413

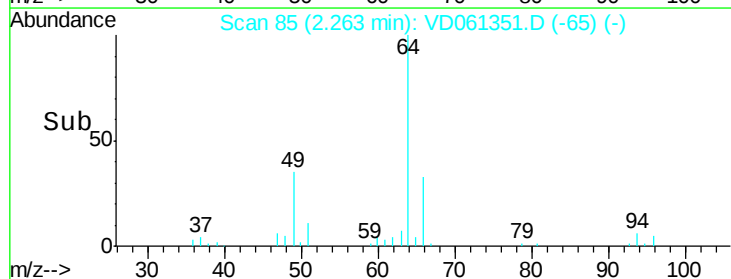
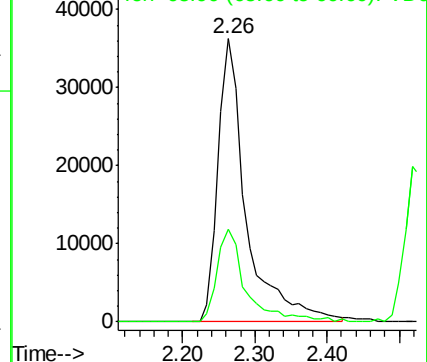
Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



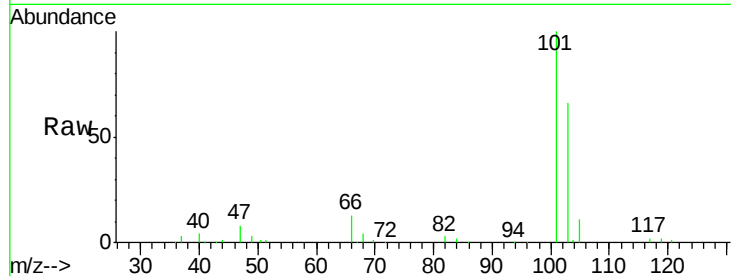


#7

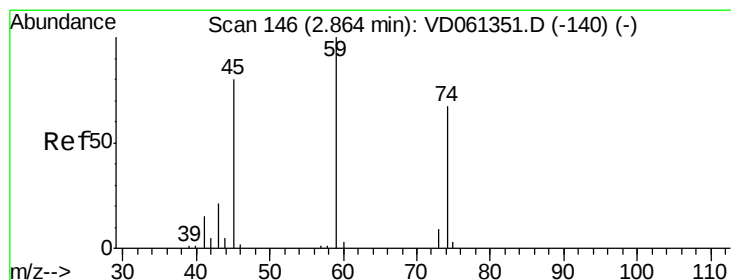
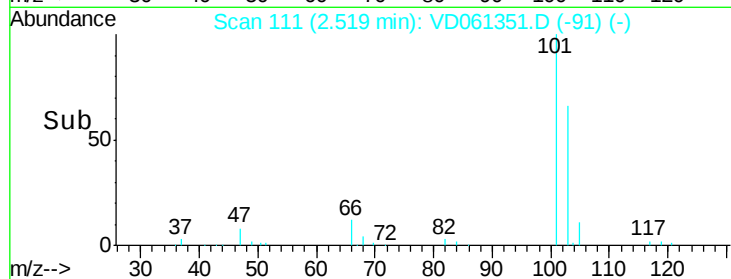
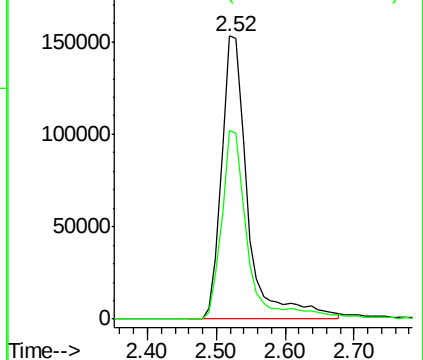
Trichlorofluoromethane
 Concen: 47.045 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Instrument :
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 ClientSampleId :
 VSTDICCC050

Tgt Ion: 101 Resp: 405145
 Ion Ratio Lower Upper
 101 100
 103 66.4 53.1 79.7



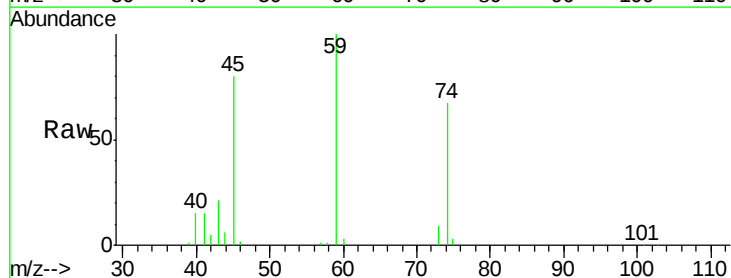
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



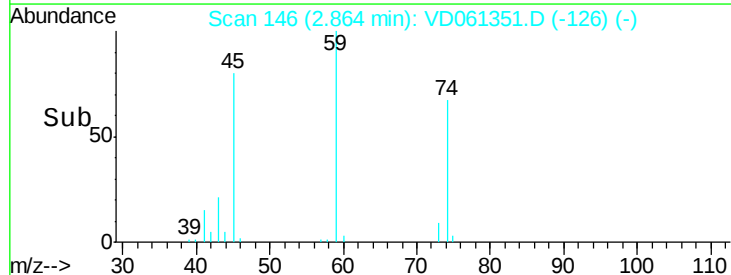
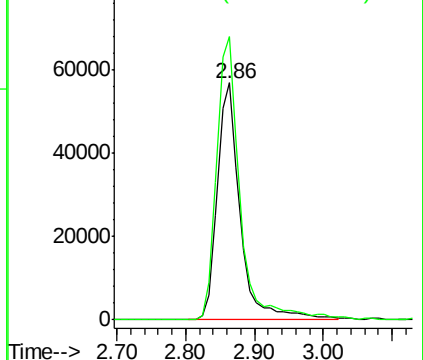
#8

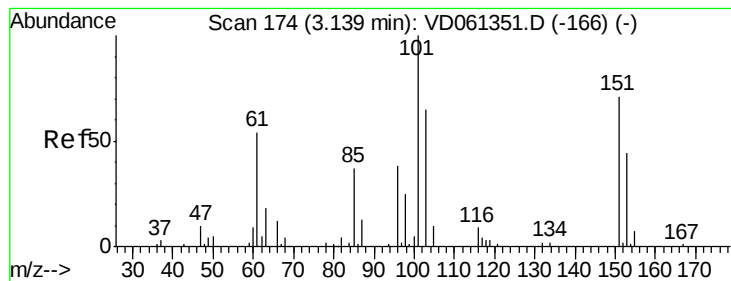
Diethyl Ether
 Concen: 47.295 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion: 74 Resp: 130850
 Ion Ratio Lower Upper
 74 100
 45 119.4 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: 46.343 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

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VSTDICCC050

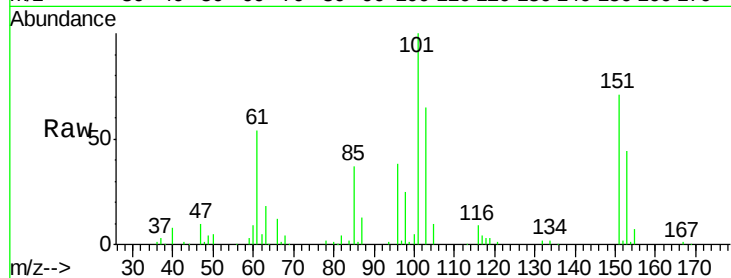
Tgt Ion:101 Resp: 428551

Ion Ratio Lower Upper

101 100

85 36.7 29.4 44.0

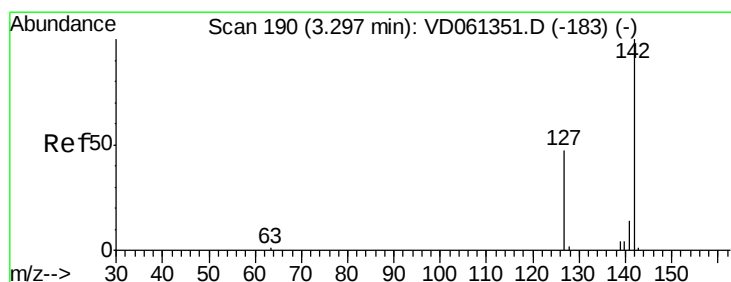
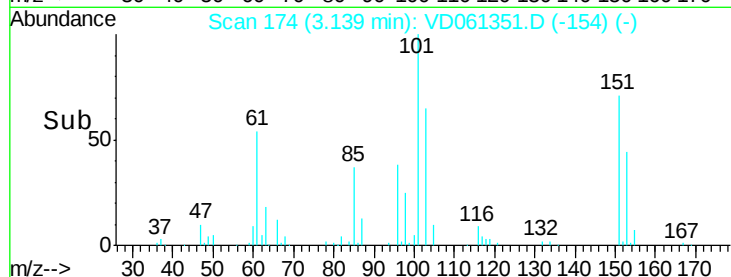
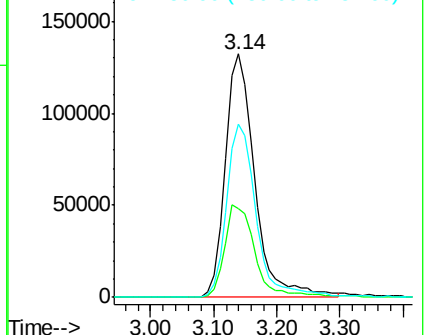
151 71.2 57.0 85.4



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: 55.908 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

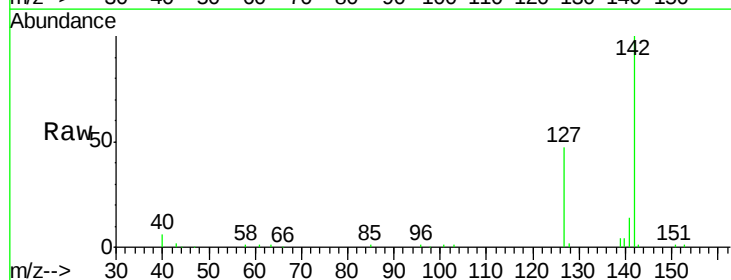
Tgt Ion:142 Resp: 683103

Ion Ratio Lower Upper

142 100

127 47.1 37.7 56.5

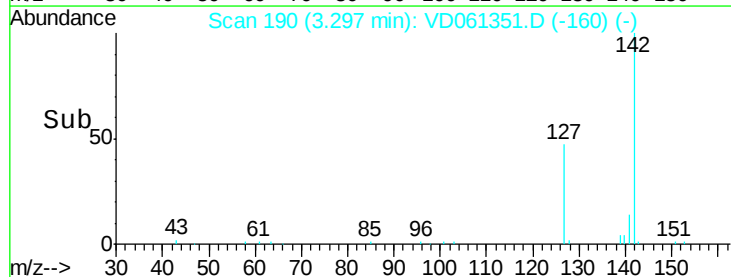
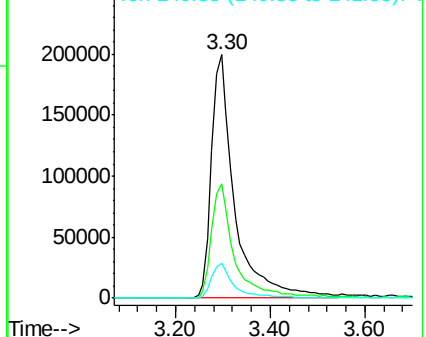
141 14.4 11.5 17.3

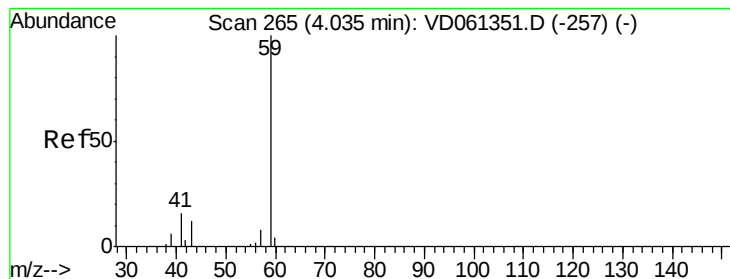


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



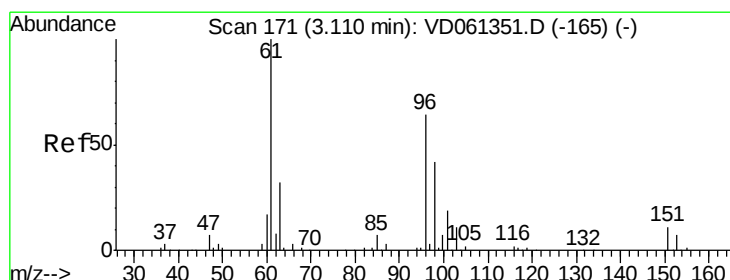
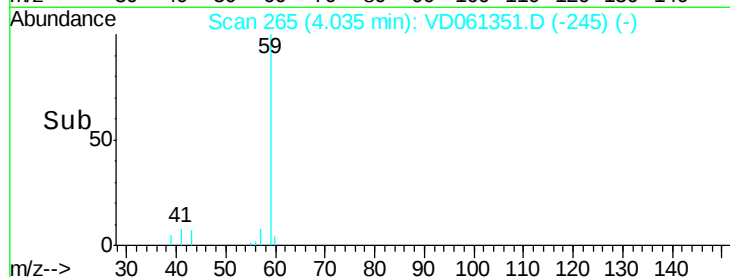
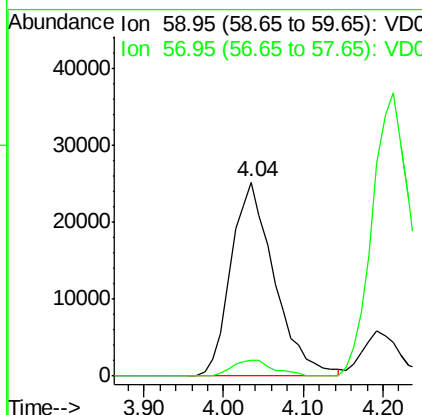
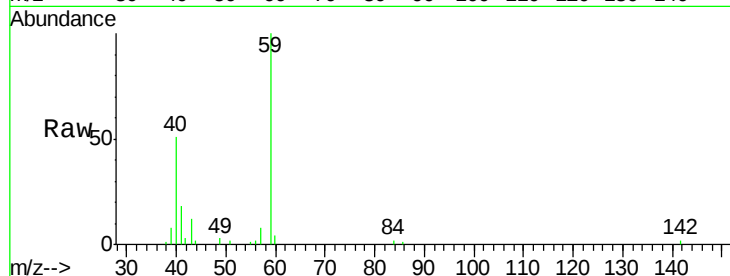


#11

Tert butyl alcohol
Concen: 242.613 ug/l
RT: 4.04 min Scan# 265
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

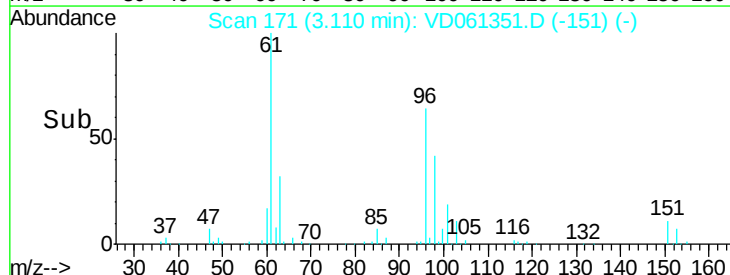
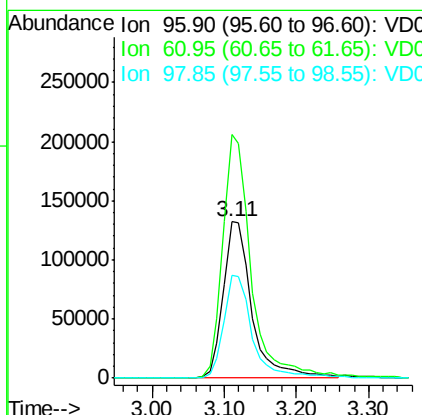
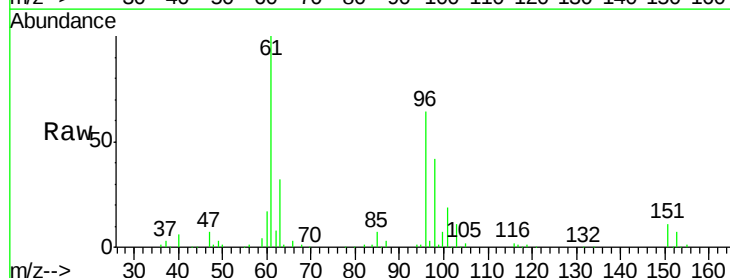
Tgt Ion: 59 Resp: 95379
Ion Ratio Lower Upper
59 100
57 8.4 6.7 10.1

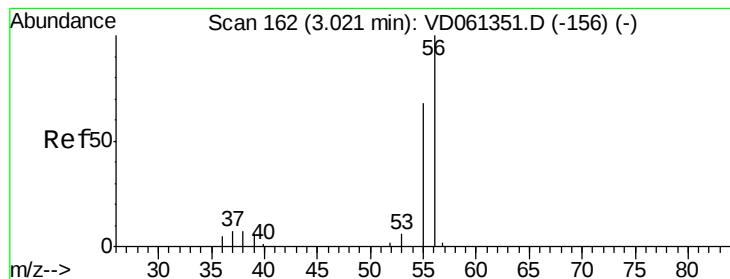


#12

1,1-Dichloroethene
Concen: 46.118 ug/l
RT: 3.11 min Scan# 171
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Tgt Ion: 96 Resp: 366369
Ion Ratio Lower Upper
96 100
61 156.1 124.9 187.3
98 65.6 52.5 78.7





#13

Acrolein

Concen: 221.816 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

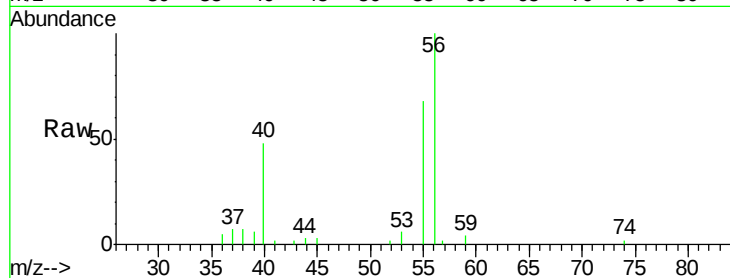
VSTDICCC050

Tgt Ion: 56 Resp: 74956

Ion Ratio Lower Upper

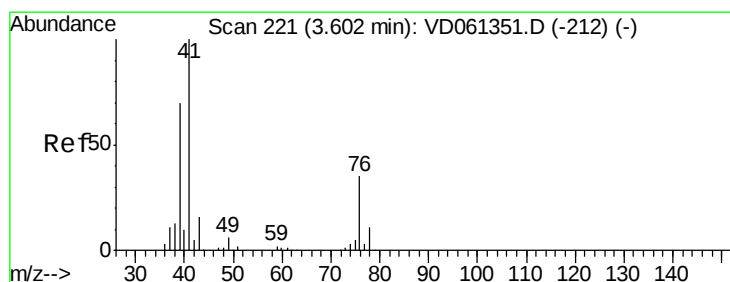
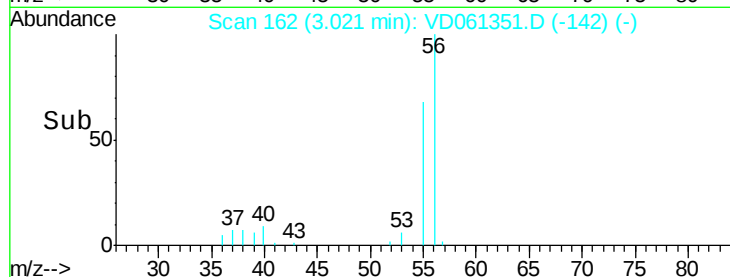
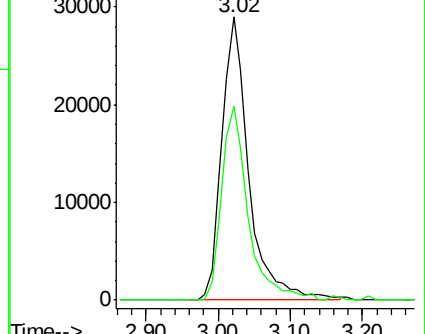
56 100

55 68.3 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.506 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

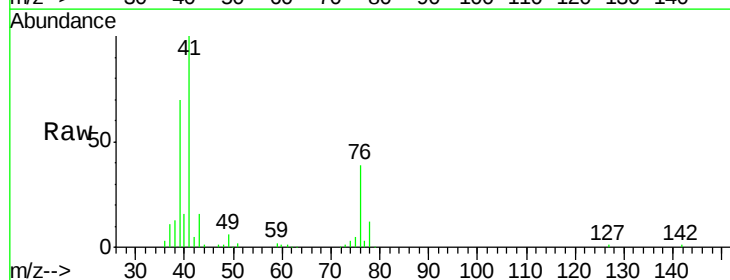
Tgt Ion: 41 Resp: 514804

Ion Ratio Lower Upper

41 100

39 69.5 55.6 83.4

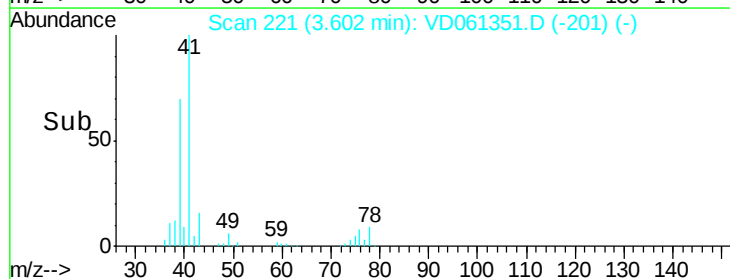
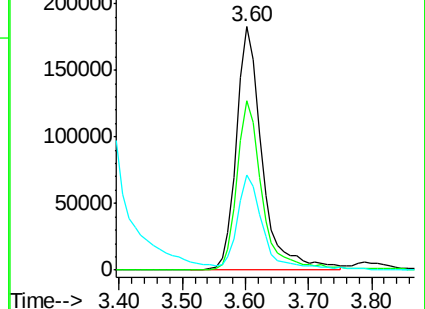
76 38.8 31.0 46.6

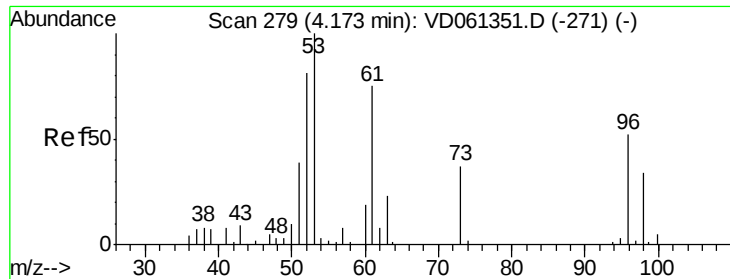


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

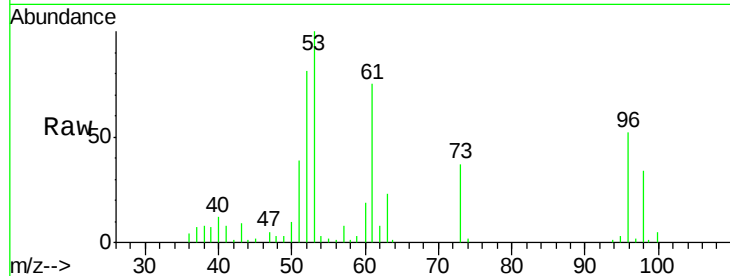




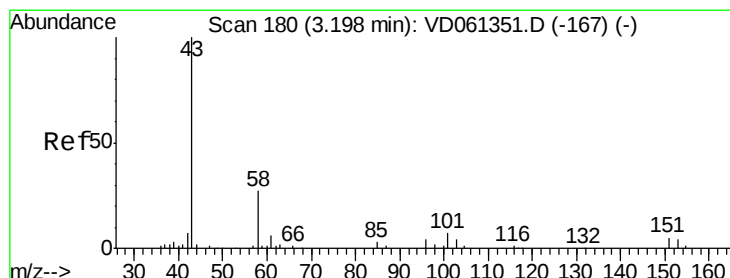
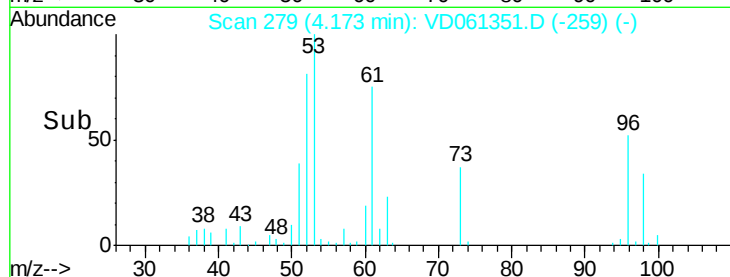
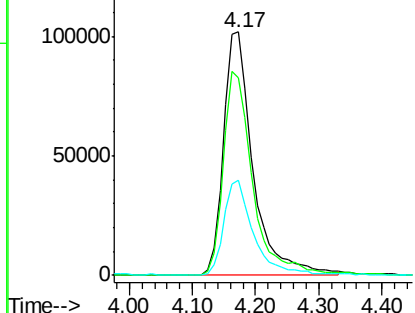
#15
 Acrylonitrile
 Concen: 243.020 ug/l
 RT: 4.17 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 53 Resp: 331582
 Ion Ratio Lower Upper
 53 100
 52 81.0 64.8 97.2
 51 39.3 31.4 47.2

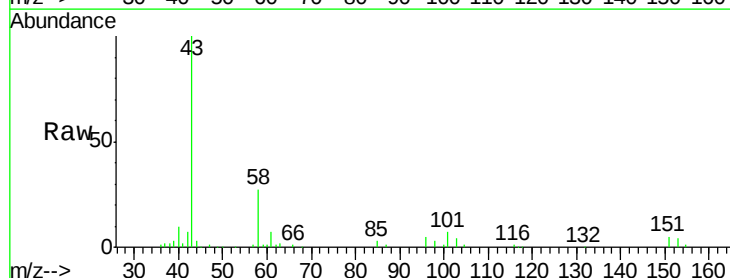


Abundance Ion 53.00 (52.70 to 53.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC
 Ion 51.00 (50.70 to 51.70): VDC

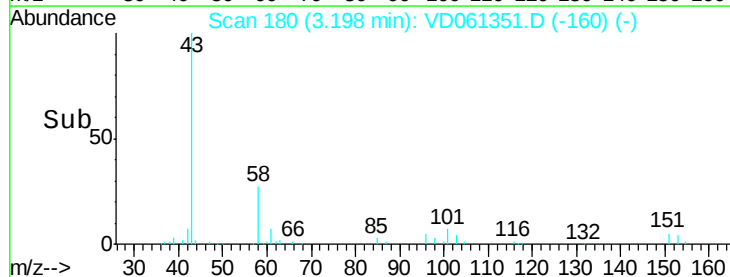
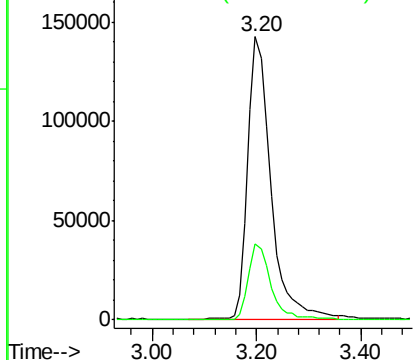


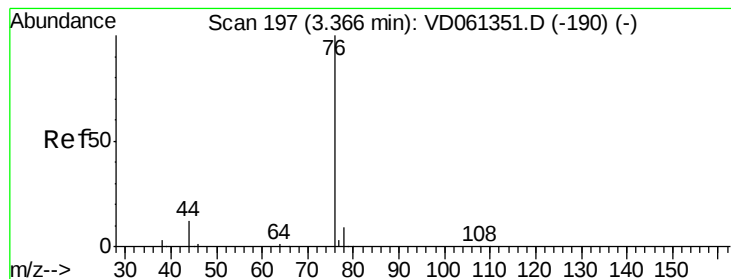
#16
 Acetone
 Concen: 262.042 ug/l
 RT: 3.20 min Scan# 180
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion: 43 Resp: 428079
 Ion Ratio Lower Upper
 43 100
 58 26.9 21.5 32.3



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





#17

Carbon Disulfide

Concen: 47.332 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

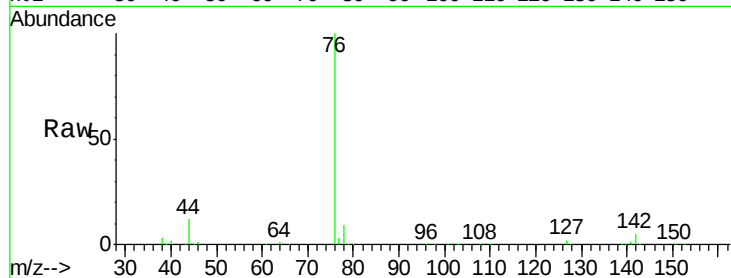
VSTDICCC050

Tgt Ion: 76 Resp: 1221606

Ion Ratio Lower Upper

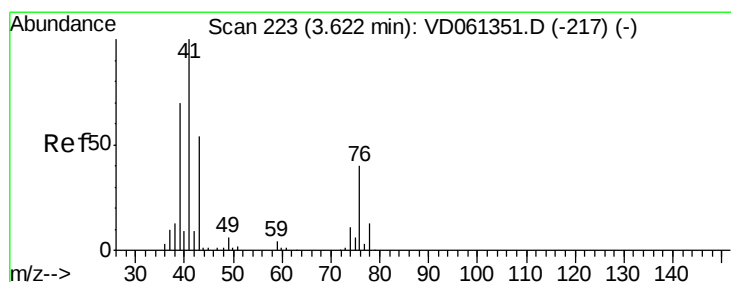
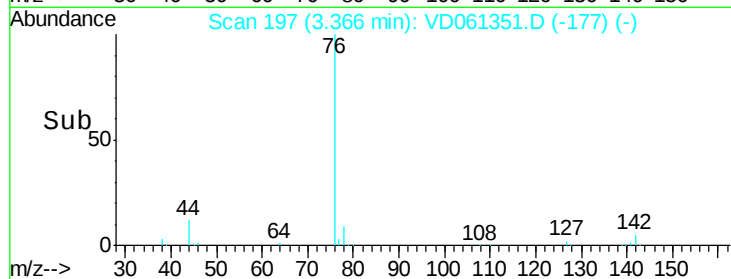
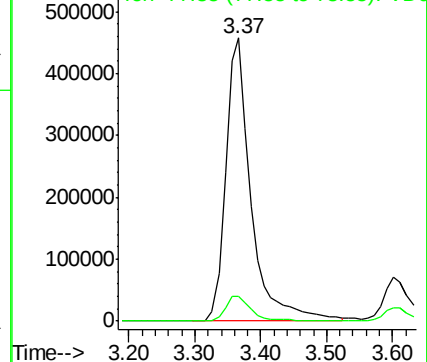
76 100

78 8.9 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: 44.778 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD061351.D

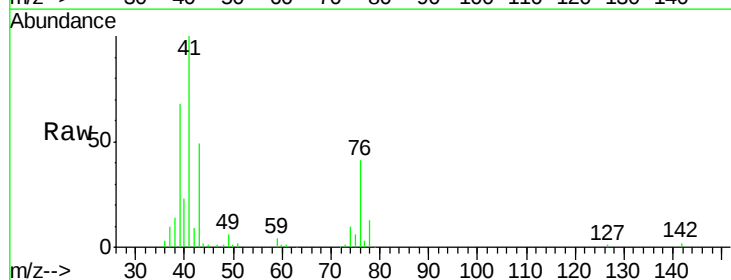
Acq: 27 Mar 2019 13:06

Tgt Ion: 43 Resp: 152759

Ion Ratio Lower Upper

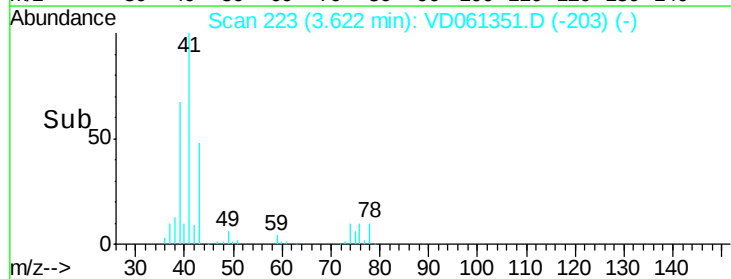
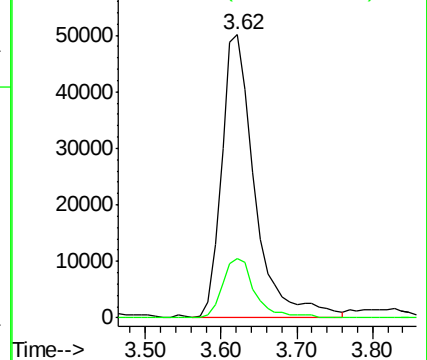
43 100

74 20.9 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

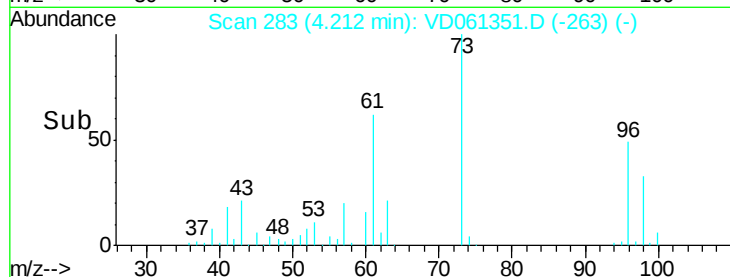
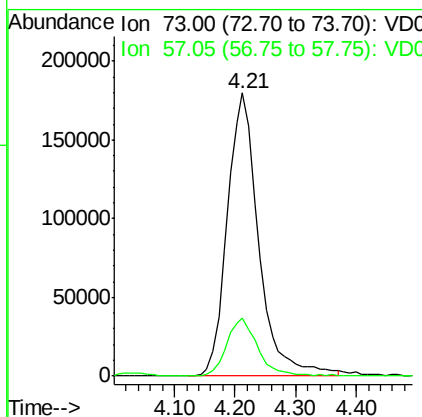
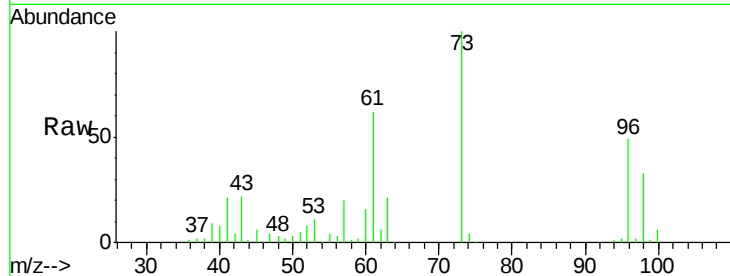




#19
Methyl tert-butyl Ether
Concen: 47.249 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

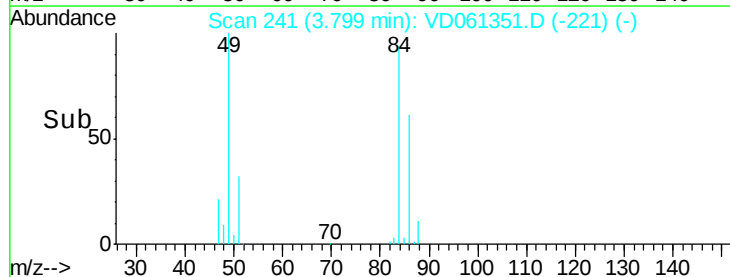
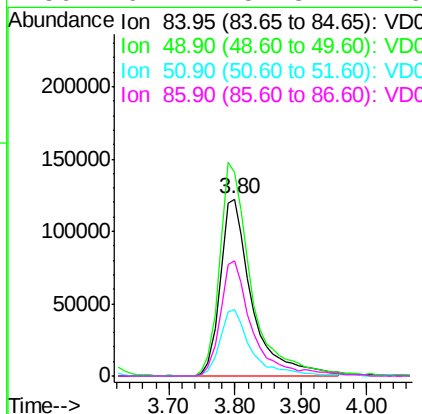
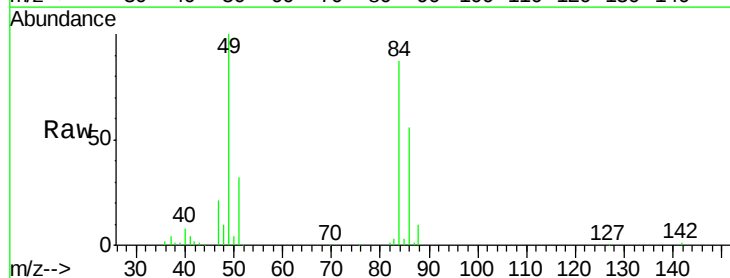
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

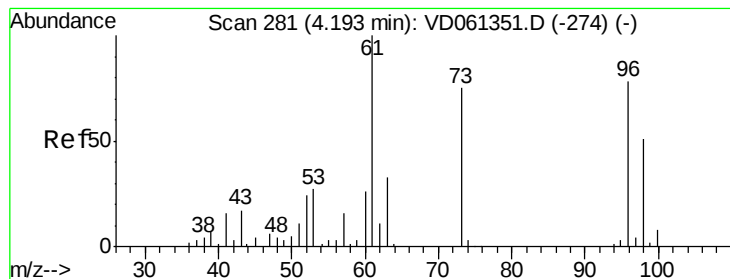
Tgt Ion: 73 Resp: 649156
Ion Ratio Lower Upper
73 100
57 20.5 16.4 24.6



#20
Methylene Chloride
Concen: 39.927 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Tgt Ion: 84 Resp: 412938
Ion Ratio Lower Upper
84 100
49 114.8 91.8 137.8
51 37.3 29.8 44.8
86 64.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.390 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

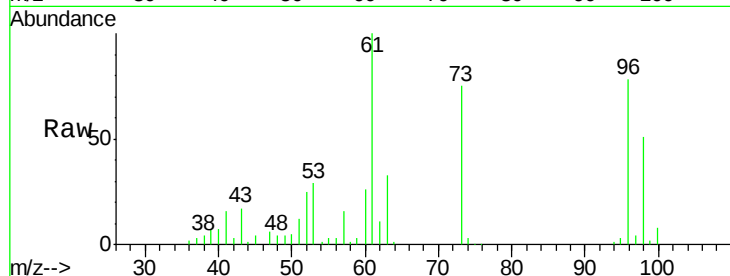
Tgt Ion: 96 Resp: 406516

Ion Ratio Lower Upper

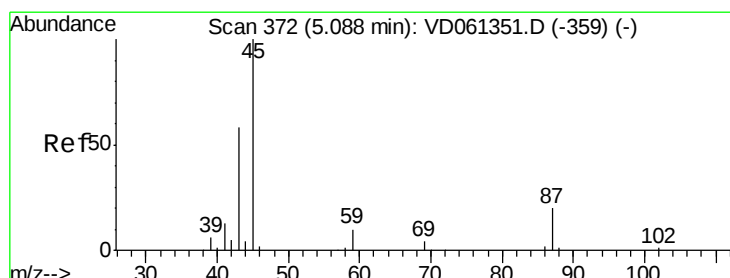
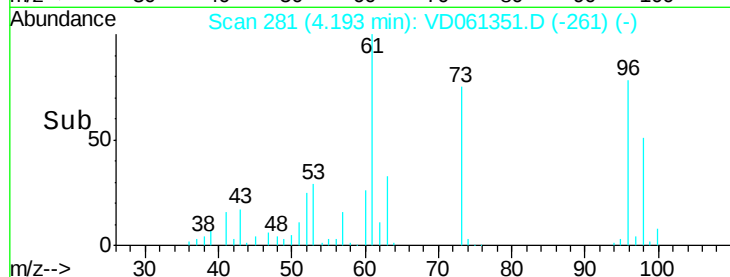
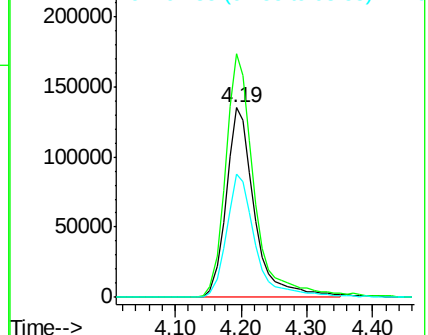
96 100

61 128.4 102.7 154.1

98 65.3 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: 48.632 ug/l

RT: 5.09 min Scan# 372

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Tgt Ion: 45 Resp: 1139892

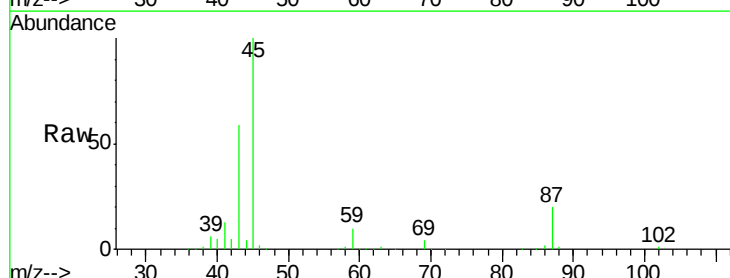
Ion Ratio Lower Upper

45 100

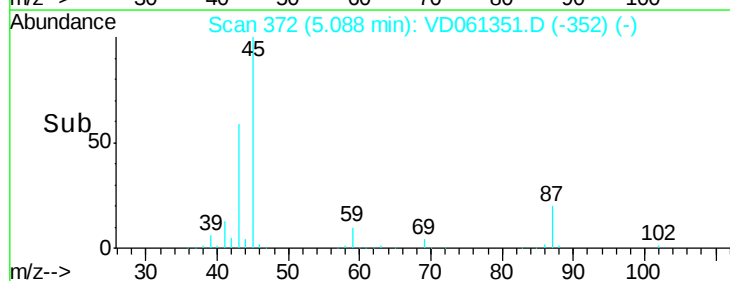
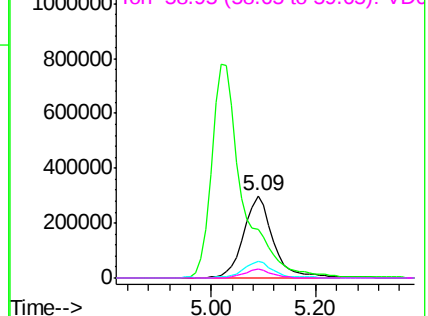
43 59.3 47.4 71.2

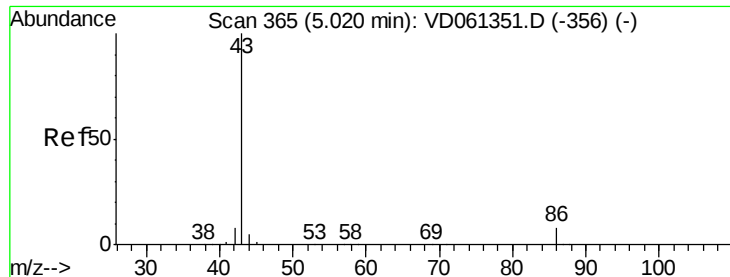
87 20.4 16.3 24.5

59 10.5 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: 245.625 ug/l

RT: 5.02 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

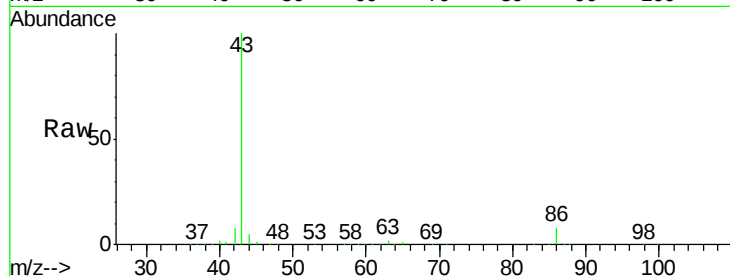
VSTDICCC050

Tgt Ion: 43 Resp: 3138254

Ion Ratio Lower Upper

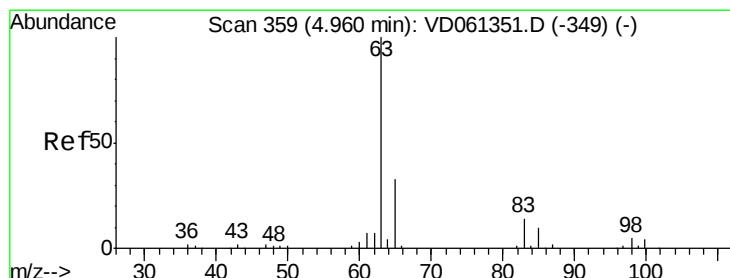
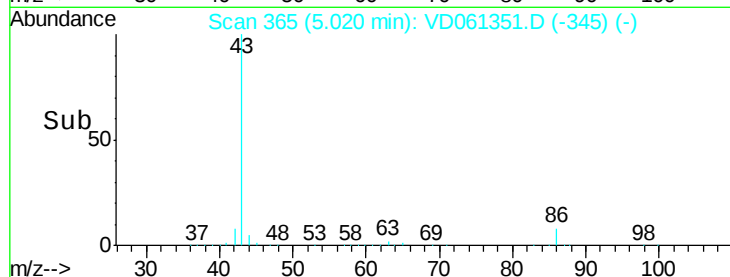
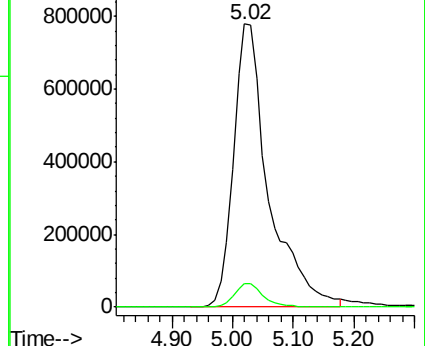
43 100

86 8.4 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: 47.235 ug/l

RT: 4.96 min Scan# 359

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

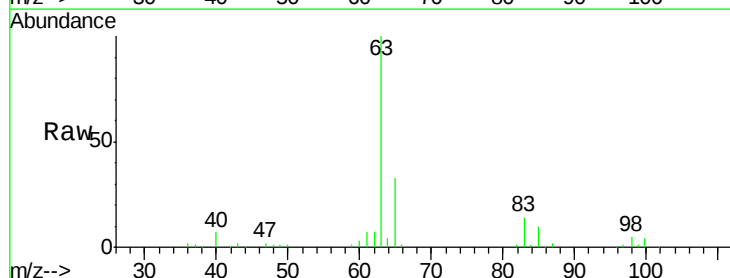
Tgt Ion: 63 Resp: 651006

Ion Ratio Lower Upper

63 100

98 5.3 2.6 8.0

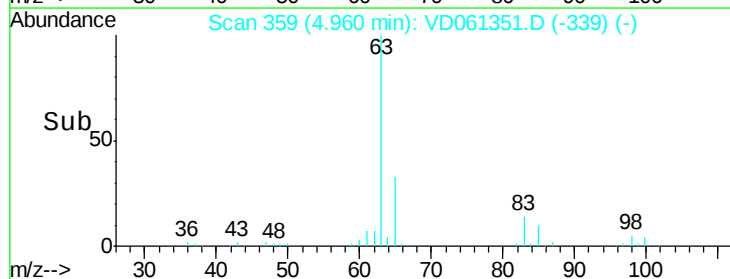
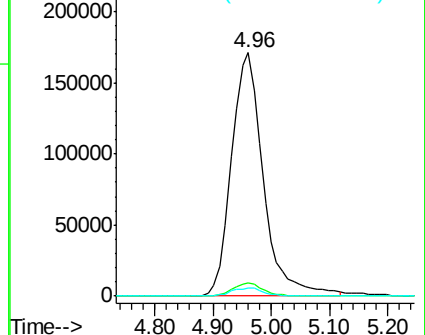
100 3.5 1.8 5.3

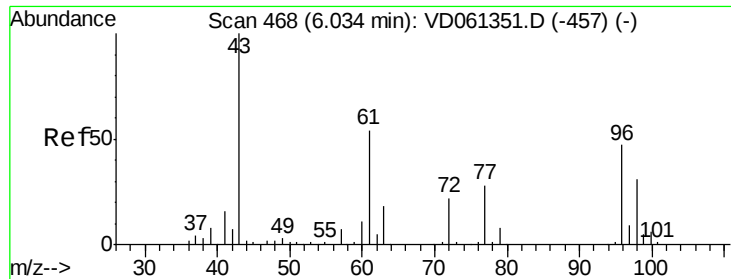


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 246.776 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

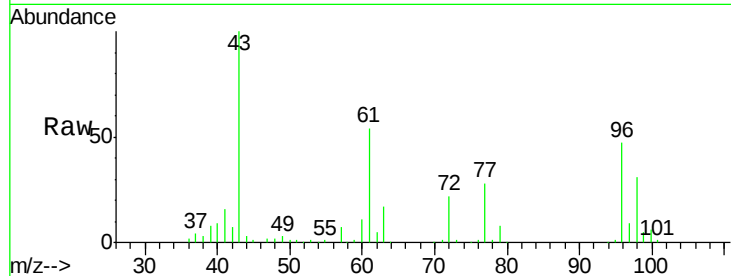
VSTDICCC050

Tgt Ion: 43 Resp: 503747

Ion Ratio Lower Upper

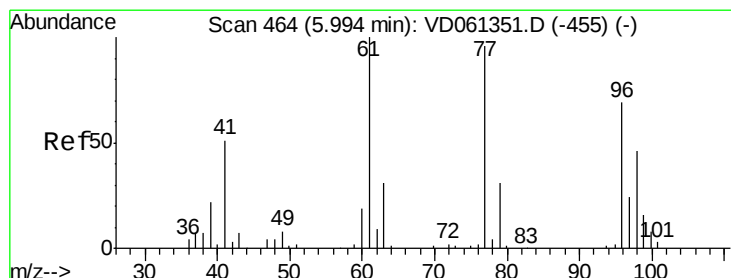
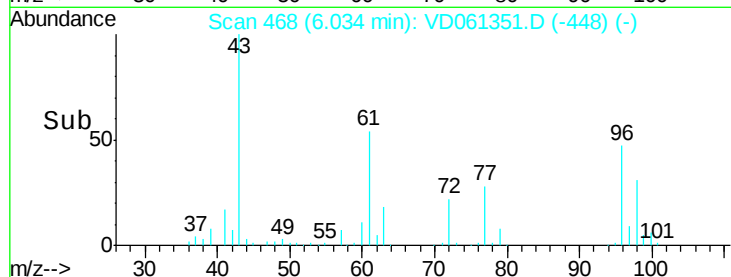
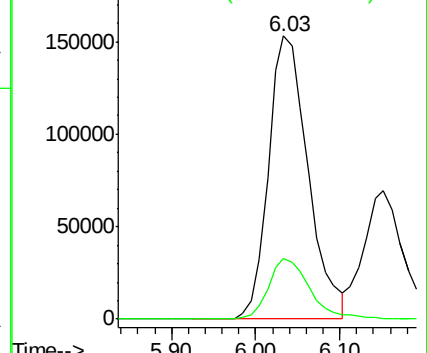
43 100

72 21.5 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: 50.497 ug/l

RT: 5.99 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD061351.D

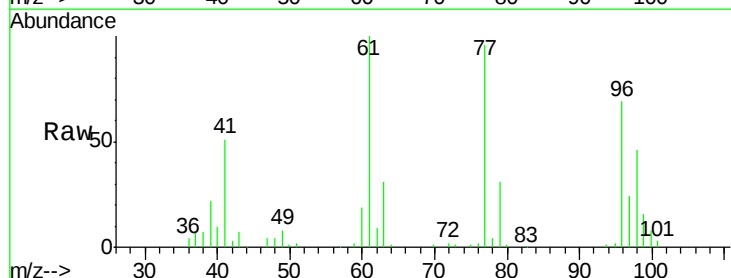
Acq: 27 Mar 2019 13:06

Tgt Ion: 77 Resp: 552457

Ion Ratio Lower Upper

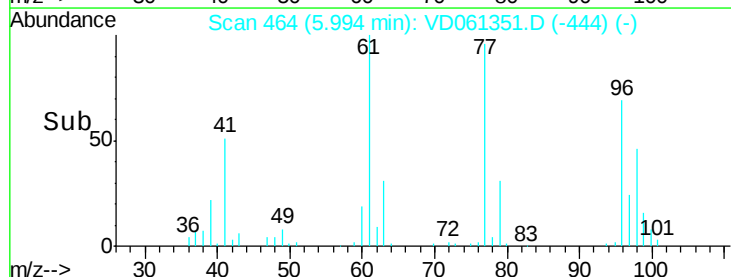
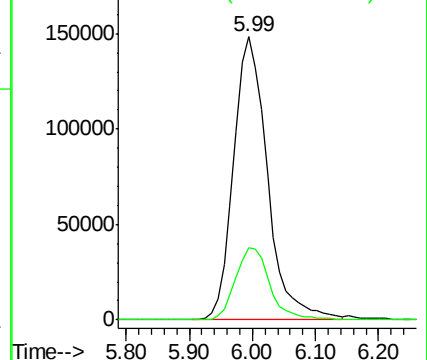
77 100

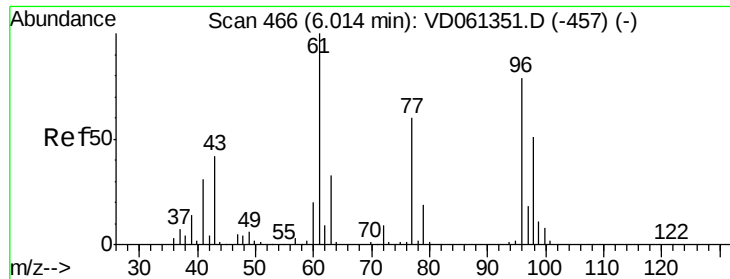
97 25.3 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

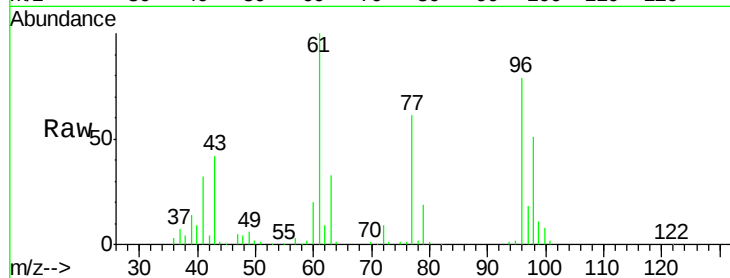




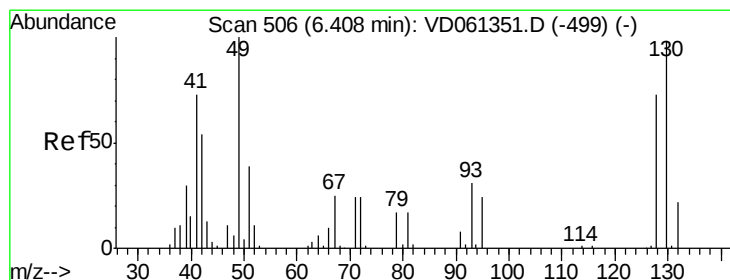
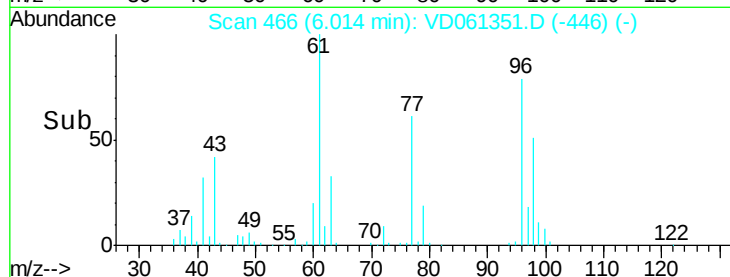
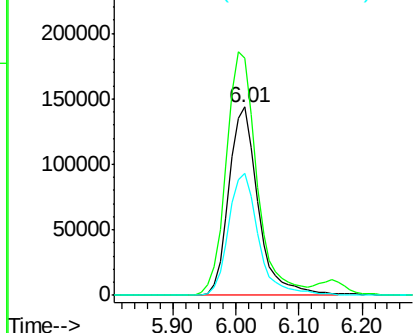
#27
 cis-1,2-Dichloroethene
 Concen: 49.510 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 96 Resp: 464509
 Ion Ratio Lower Upper
 96 100
 61 125.8 0.0 251.6
 98 64.6 0.0 129.2

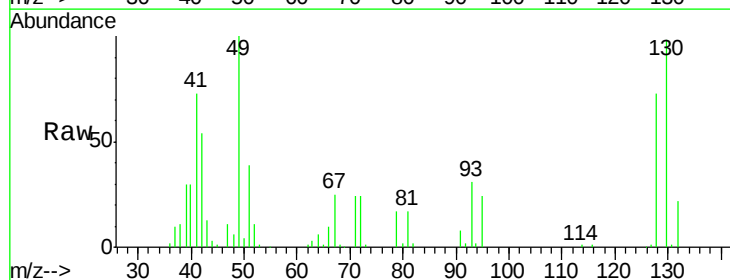


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

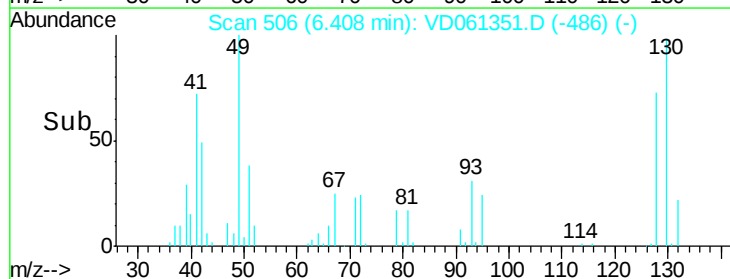
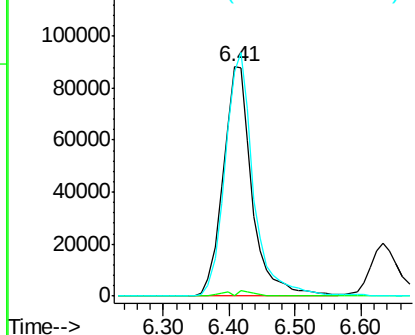


#28
 Bromochloromethane
 Concen: 48.731 ug/l
 RT: 6.41 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion: 49 Resp: 270633
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 98.0 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

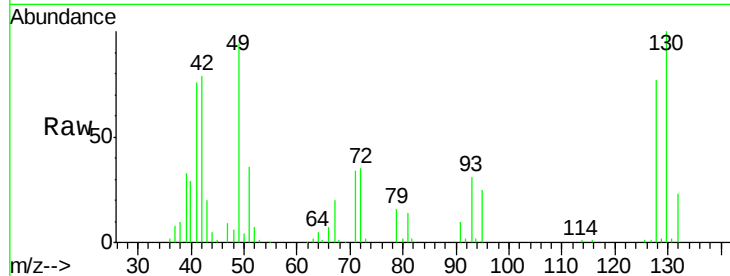




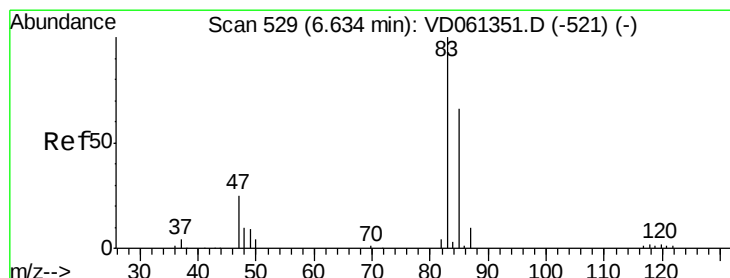
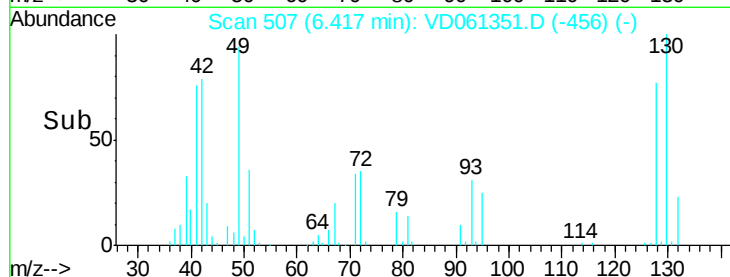
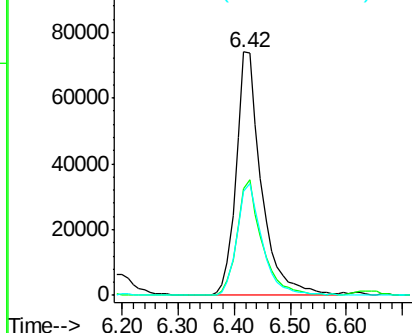
#29
Tetrahydrofuran
Concen: 232.949 ug/l
RT: 6.42 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 230477
Ion Ratio Lower Upper
42 100
72 46.7 37.4 56.0
71 45.9 36.7 55.1

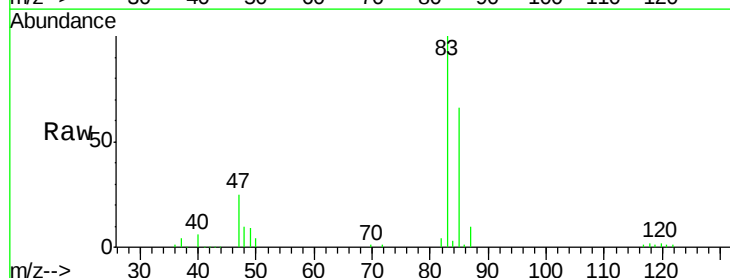


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

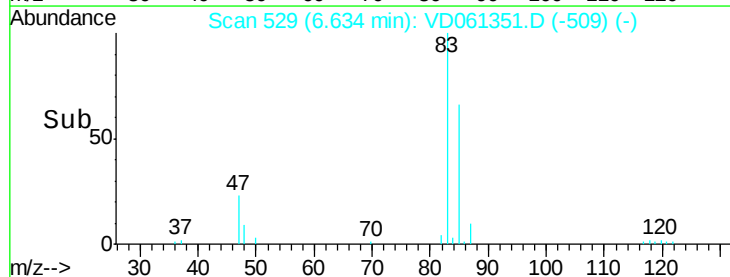
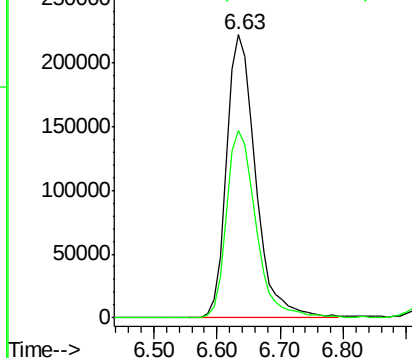


#30
Chloroform
Concen: 49.657 ug/l
RT: 6.63 min Scan# 529
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Tgt Ion: 83 Resp: 705932
Ion Ratio Lower Upper
83 100
85 66.2 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: 50.165 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

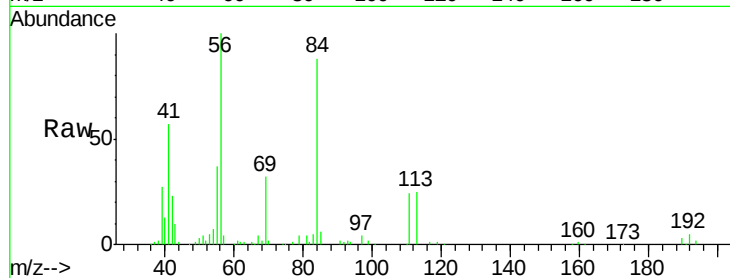
Tgt Ion: 56 Resp: 545390

Ion Ratio Lower Upper

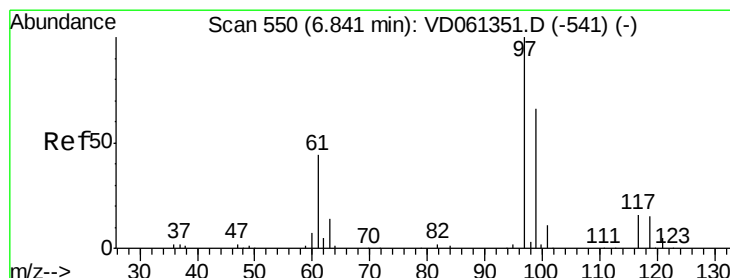
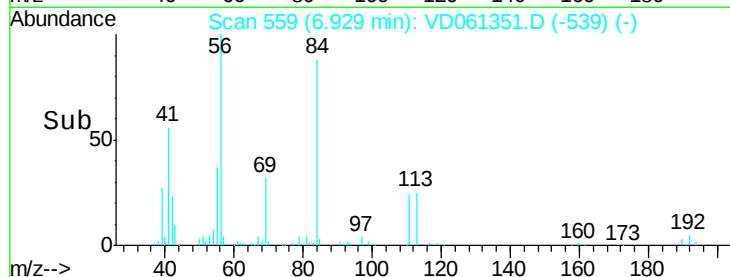
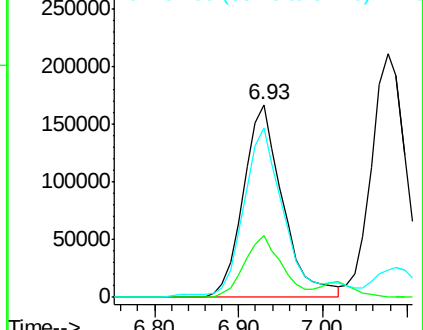
56 100

69 32.1 25.7 38.5

84 88.2 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: 50.007 ug/l

RT: 6.84 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

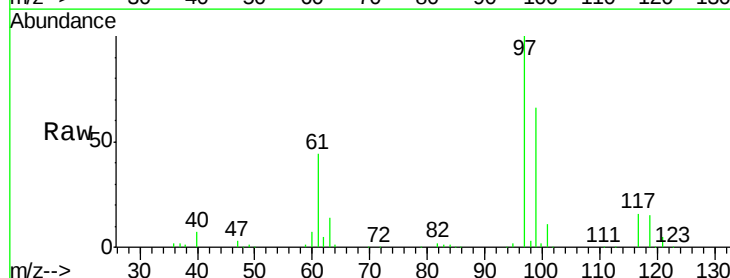
Tgt Ion: 97 Resp: 627161

Ion Ratio Lower Upper

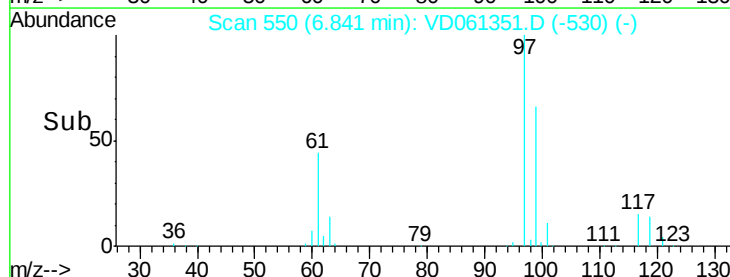
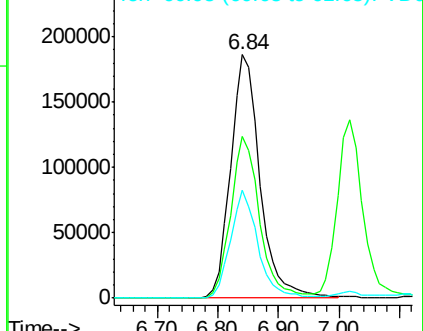
97 100

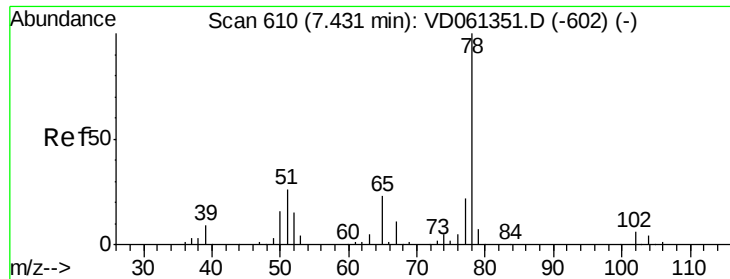
99 66.4 53.1 79.7

61 44.4 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

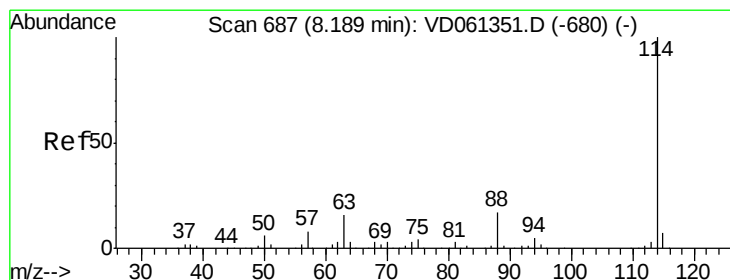
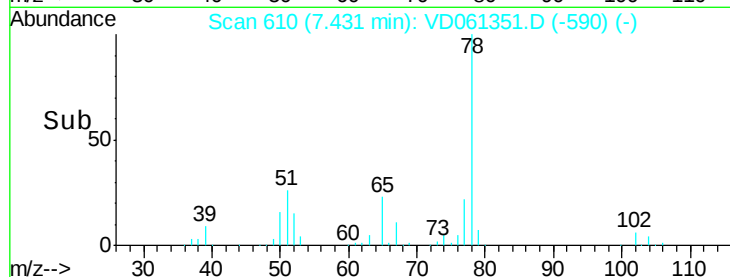
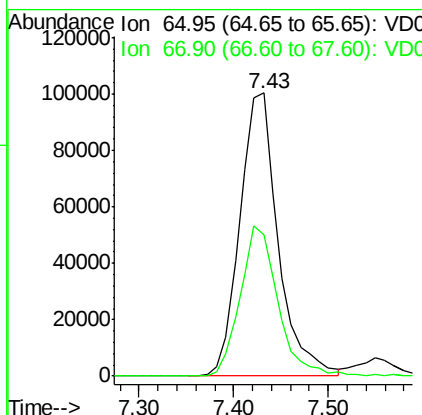
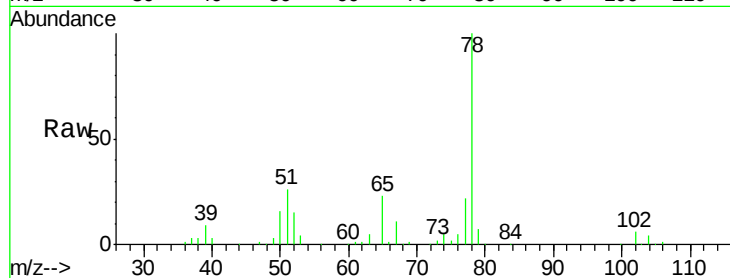




#33
 1,2-Dichloroethane-d4
 Concen: 50.007 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

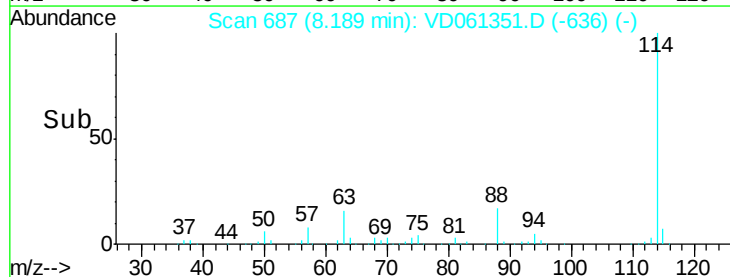
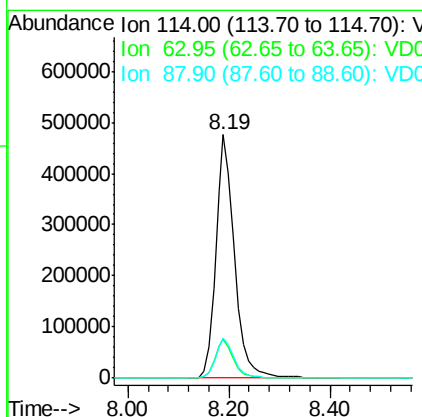
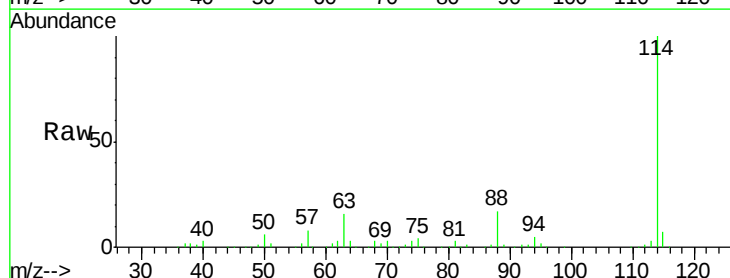
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

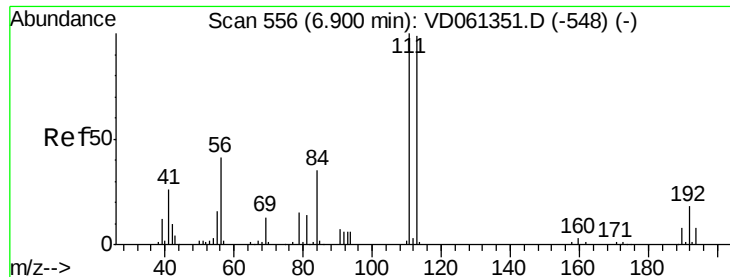
Tgt Ion: 65 Resp: 281681
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion: 114 Resp: 1234097
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 31.6
 88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

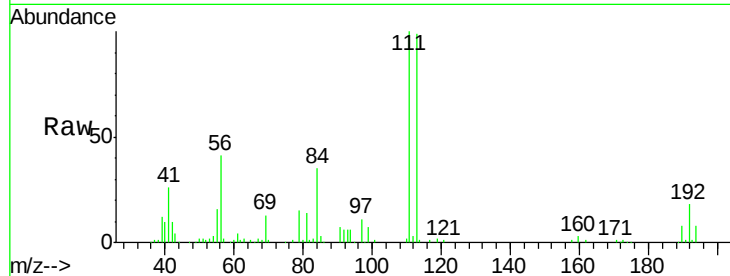
Tgt Ion:113 Resp: 471545

Ion Ratio Lower Upper

113 100

111 101.3 81.0 121.6

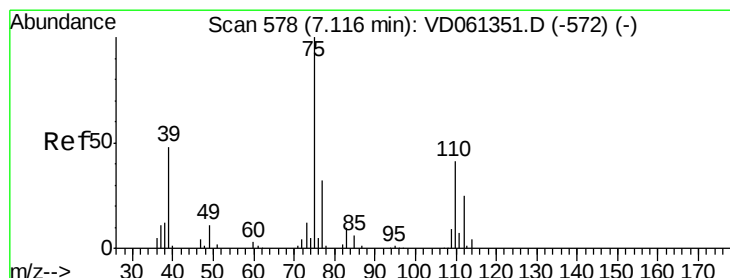
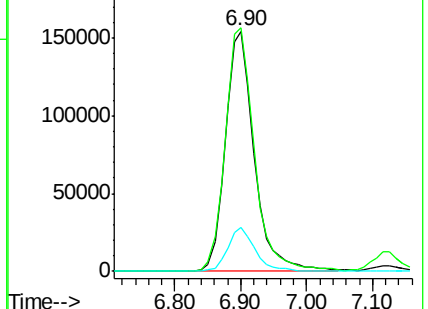
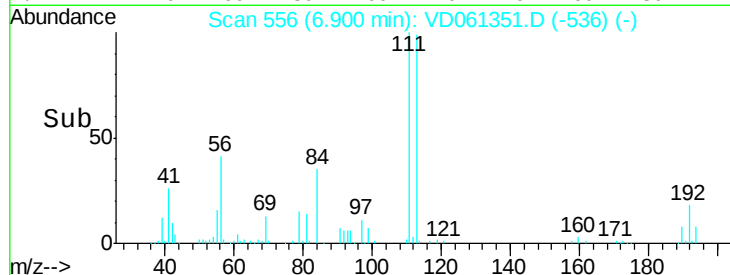
192 18.0 14.4 21.6



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: 45.317 ug/l

RT: 7.12 min Scan# 578

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

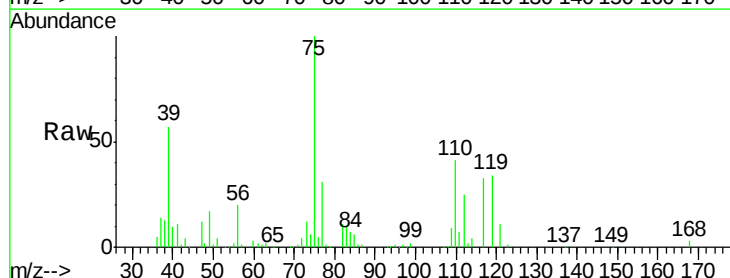
Tgt Ion: 75 Resp: 488123

Ion Ratio Lower Upper

75 100

110 40.9 20.4 61.3

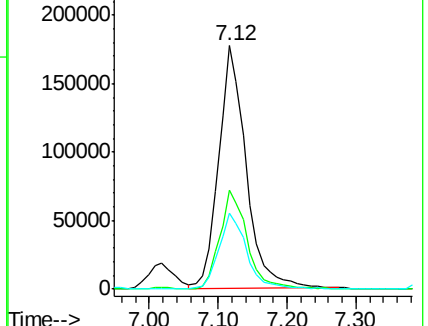
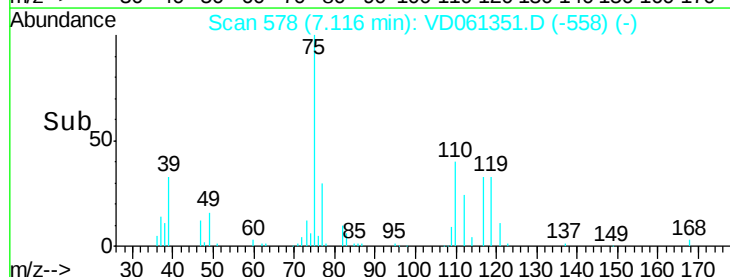
77 31.1 24.9 37.3

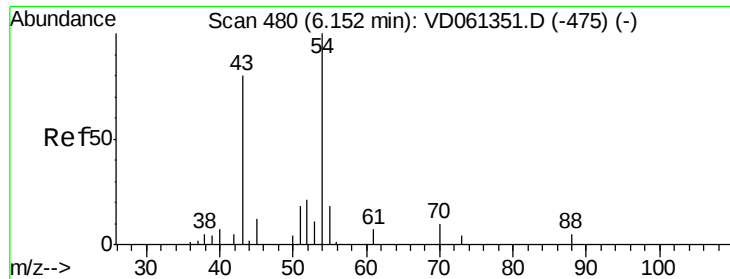


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

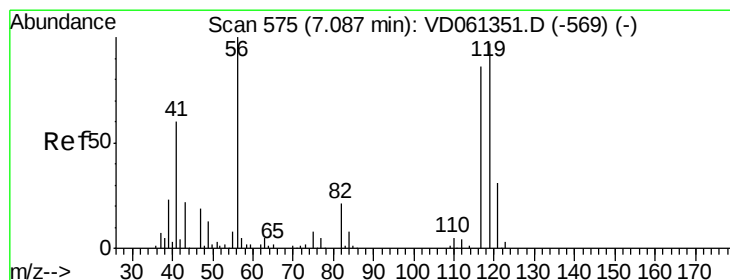
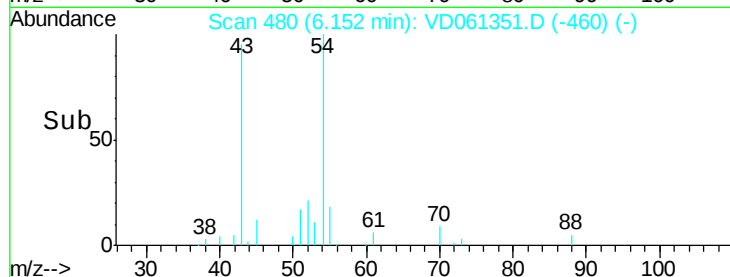
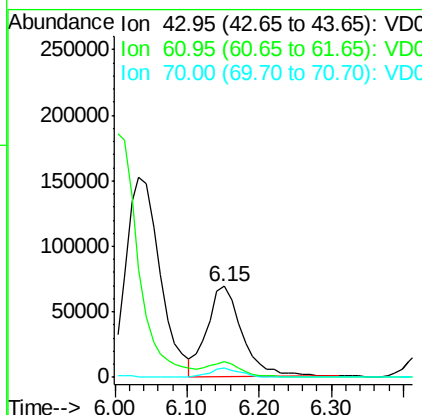
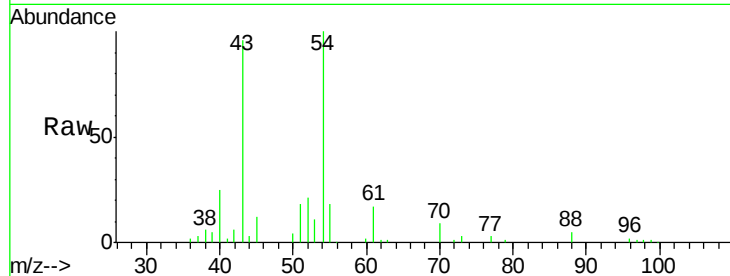




#37
 Ethyl Acetate
 Concen: 49.900 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

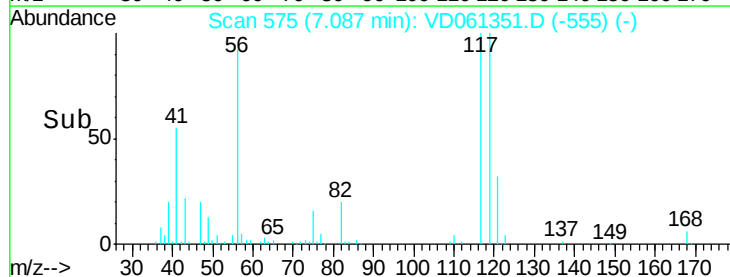
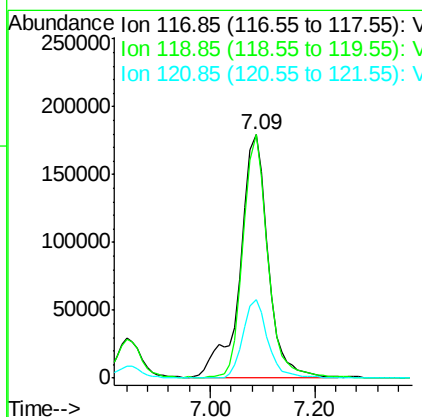
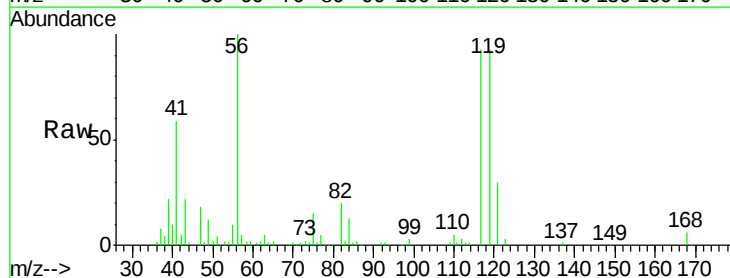
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

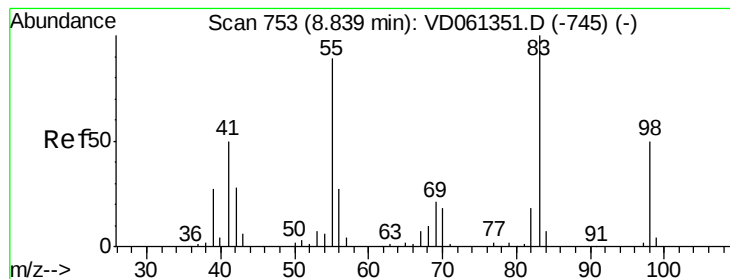
Tgt Ion: 43 Resp: 229728
 Ion Ratio Lower Upper
 43 100
 61 17.3 13.8 20.8
 70 9.8 7.8 11.8



#38
 Carbon Tetrachloride
 Concen: 51.739 ug/l
 RT: 7.09 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion: 117 Resp: 647798
 Ion Ratio Lower Upper
 117 100
 119 100.1 80.1 120.1
 121 32.0 25.6 38.4





#39

Methylcyclohexane

Concen: 47.302 ug/l

RT: 8.84 min Scan# 753

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

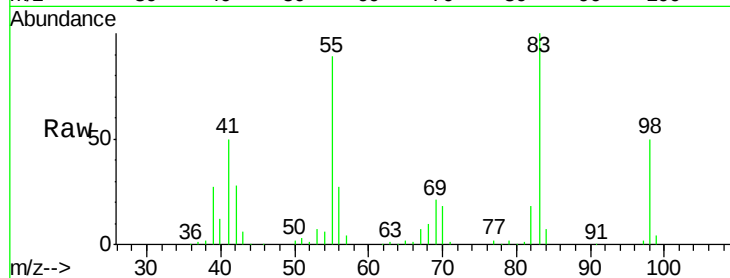
Tgt Ion: 83 Resp: 530621

Ion Ratio Lower Upper

83 100

55 89.4 71.5 107.3

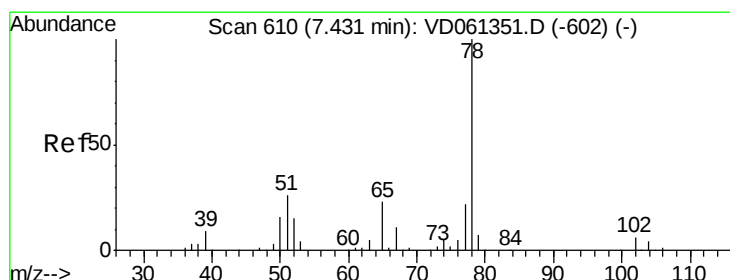
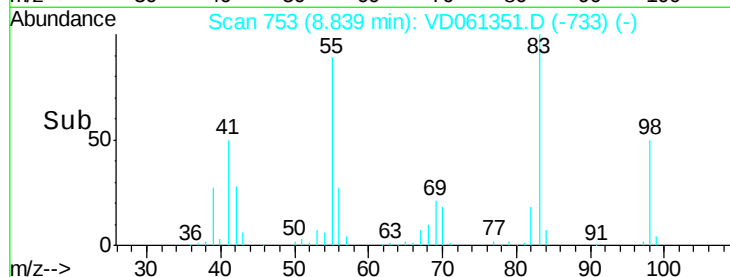
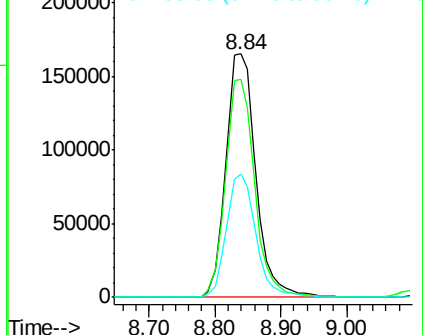
98 50.4 40.3 60.5



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: 47.866 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061351.D

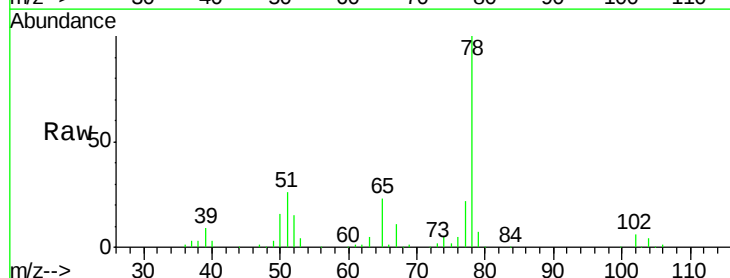
Acq: 27 Mar 2019 13:06

Tgt Ion: 78 Resp: 1293923

Ion Ratio Lower Upper

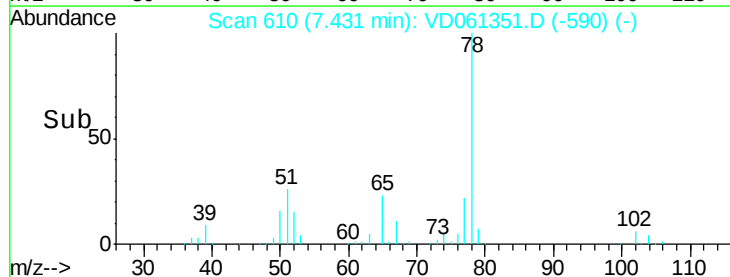
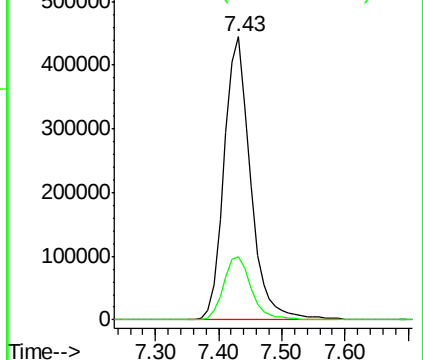
78 100

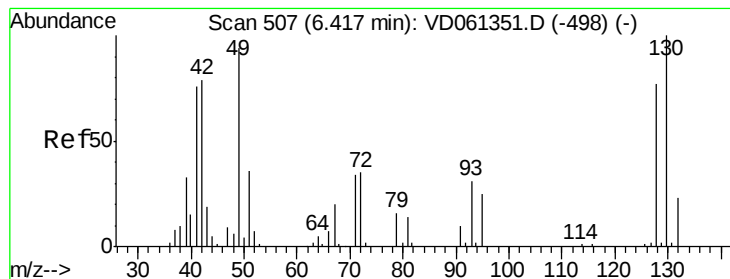
77 22.2 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 47.623 ug/l

RT: 6.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 256593

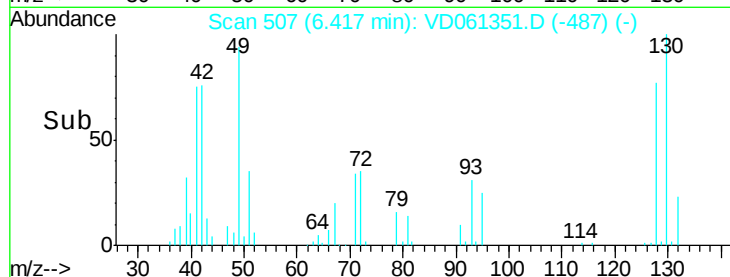
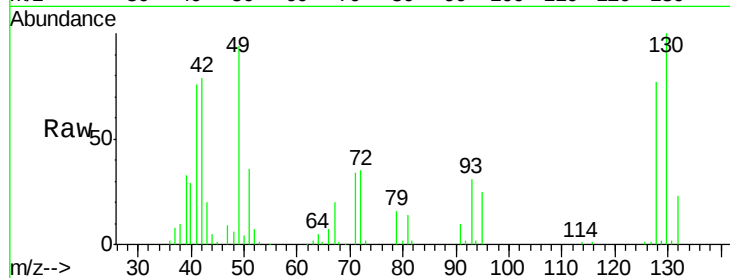
Ion Ratio Lower Upper

41 100

39 43.8 35.0 52.6

67 26.3 21.0 31.6

52 9.6 7.7 11.5

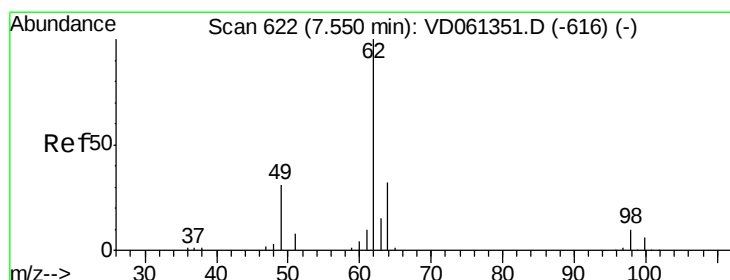
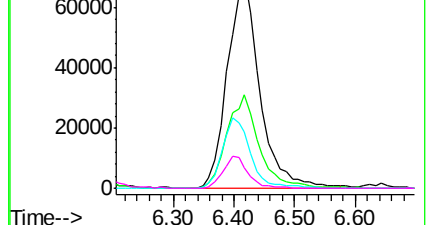


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 49.999 ug/l

RT: 7.55 min Scan# 622

Delta R.T. 0.00 min

Lab File: VD061351.D

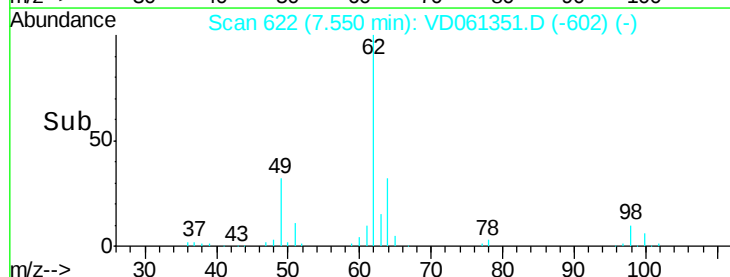
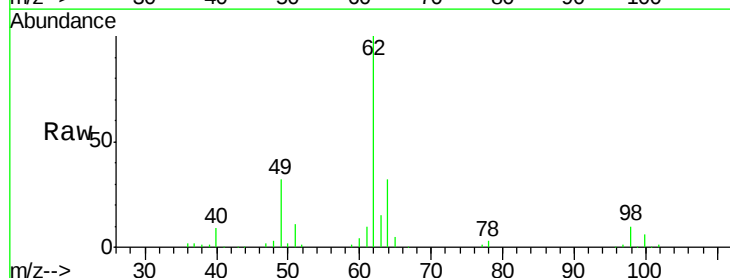
Acq: 27 Mar 2019 13:06

Tgt Ion: 62 Resp: 404290

Ion Ratio Lower Upper

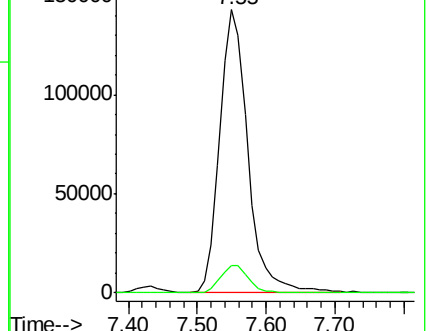
62 100

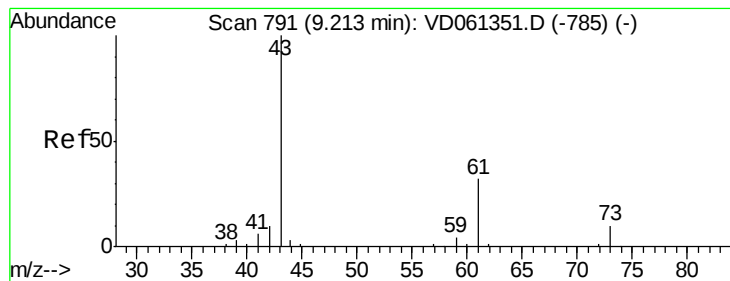
98 9.9 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 51.801 ug/l

RT: 9.21 min Scan# 791

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

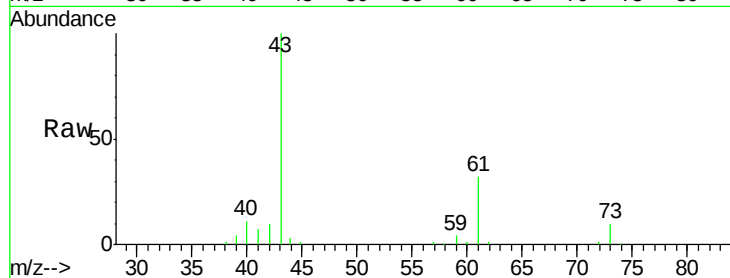
Tgt Ion: 43 Resp: 347187

Ion Ratio Lower Upper

43 100

61 32.2 25.8 38.6

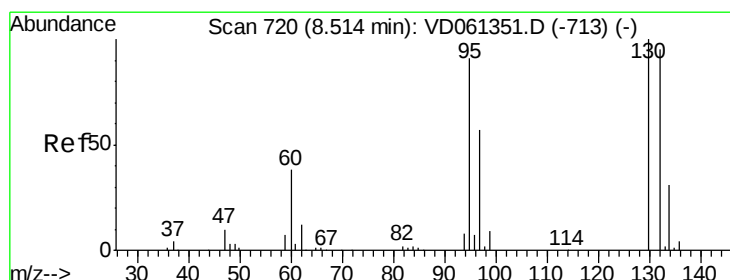
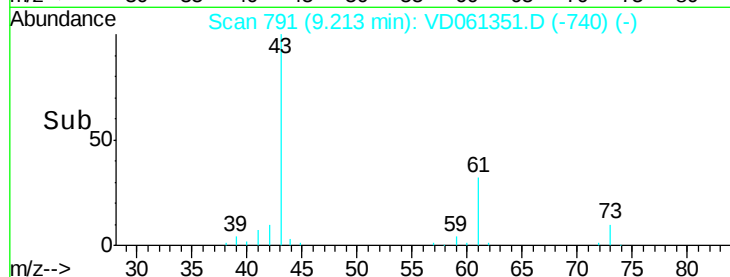
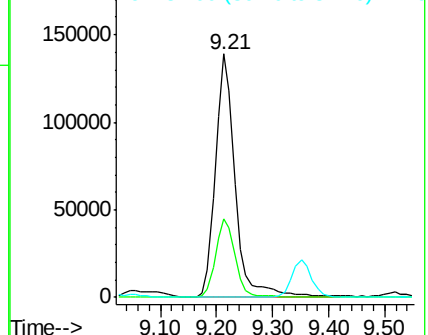
87 0.0 0.0 0.0



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: 47.323 ug/l

RT: 8.51 min Scan# 720

Delta R.T. 0.00 min

Lab File: VD061351.D

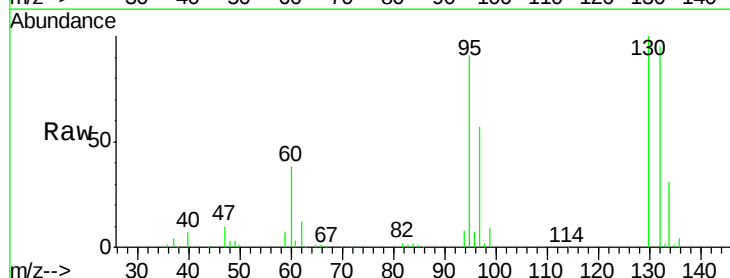
Acq: 27 Mar 2019 13:06

Tgt Ion: 130 Resp: 476065

Ion Ratio Lower Upper

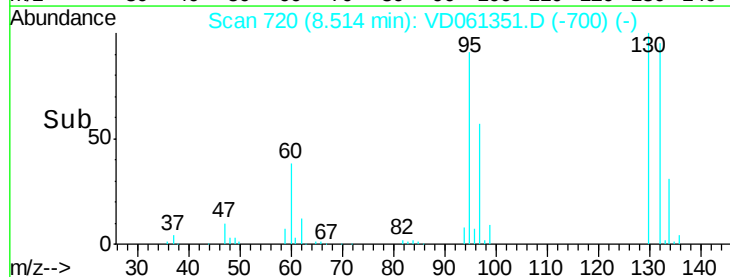
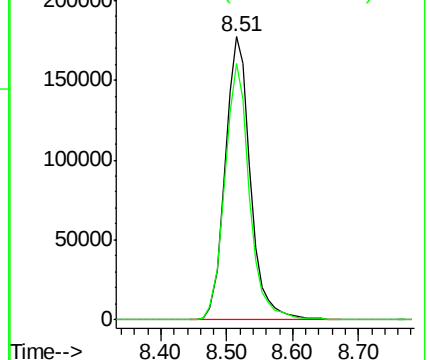
130 100

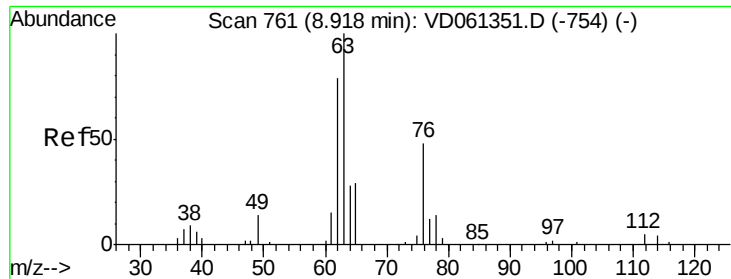
95 90.7 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

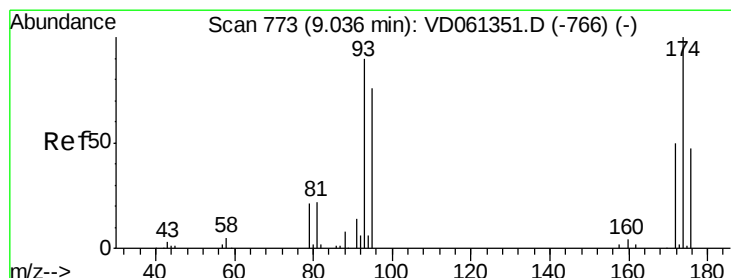
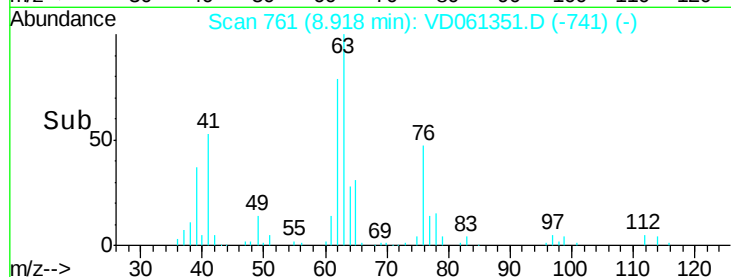
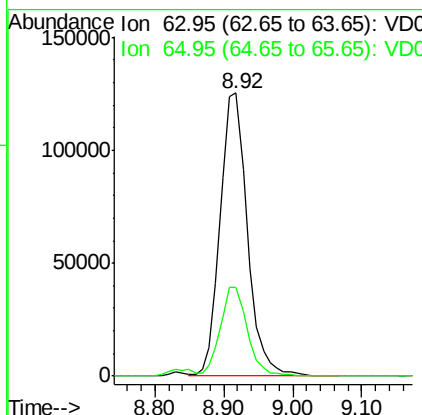
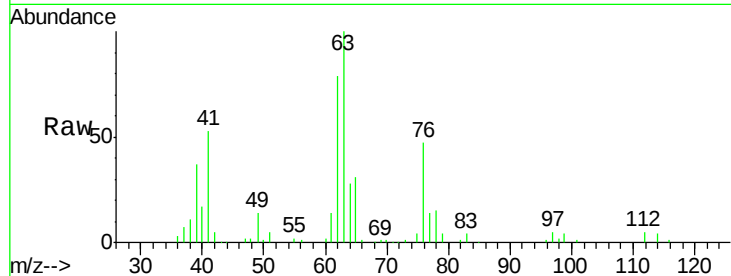




#45
 1,2-Dichloropropane
 Concen: 50.351 ug/l
 RT: 8.92 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

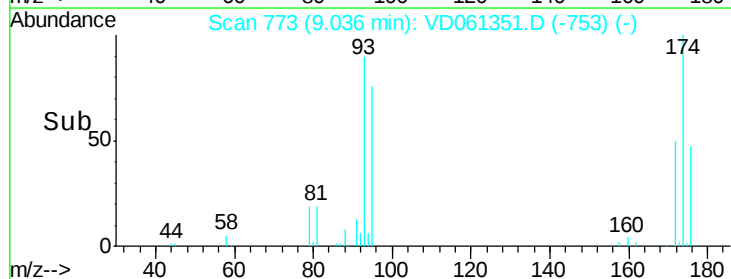
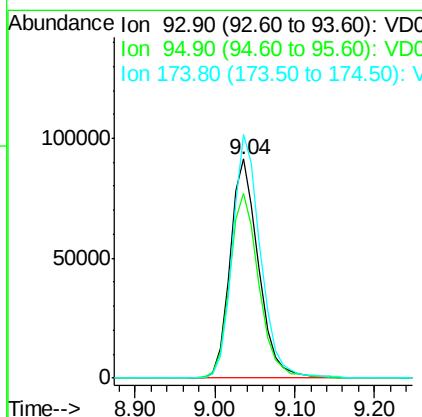
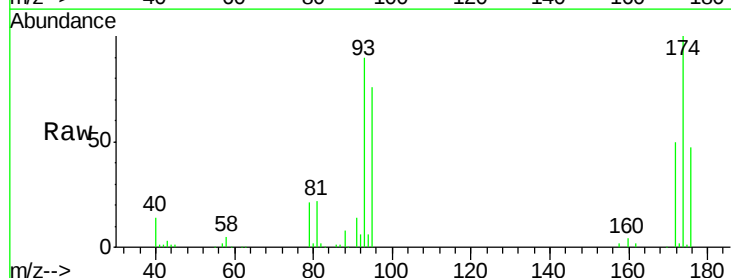
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 345133
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4



#46
 Dibromomethane
 Concen: 49.254 ug/l
 RT: 9.04 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion: 93 Resp: 227238
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.4 101.0
 174 111.1 88.9 133.3





#47

Bromodichloromethane

Concen: 49.888 ug/l

RT: 9.35 min Scan# 805

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

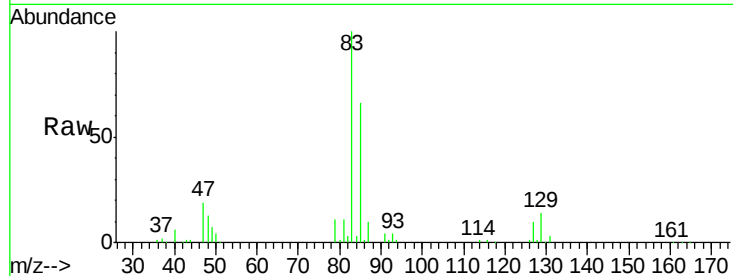
Tgt Ion: 83 Resp: 516588

Ion Ratio Lower Upper

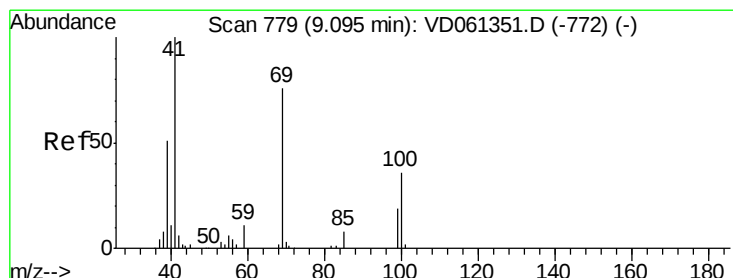
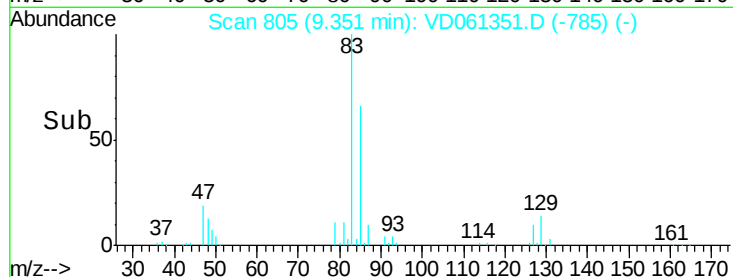
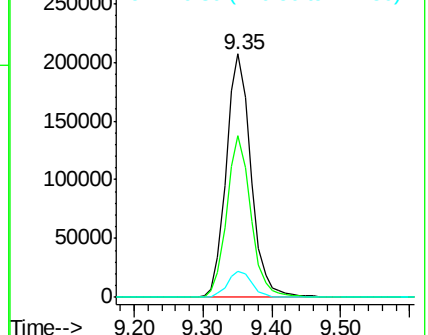
83 100

85 66.2 53.0 79.4

127 10.5 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: 47.641 ug/l

RT: 9.10 min Scan# 779

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

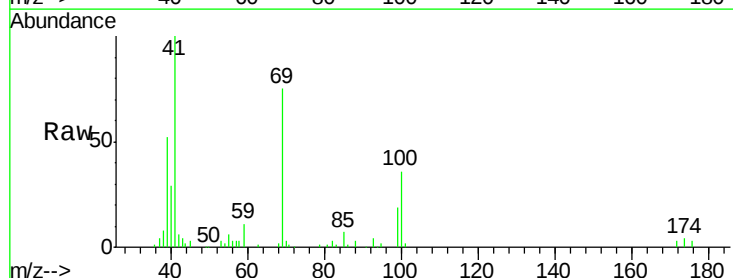
Tgt Ion: 41 Resp: 176220

Ion Ratio Lower Upper

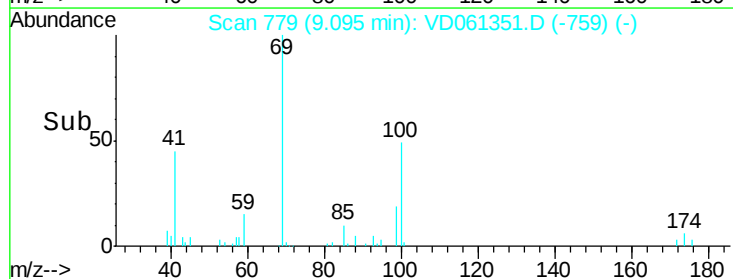
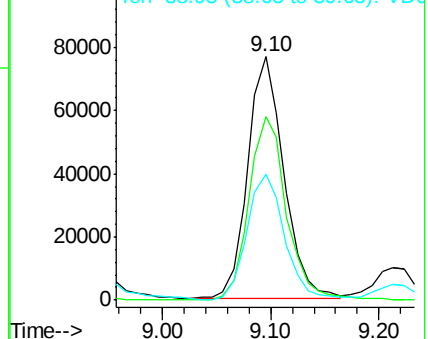
41 100

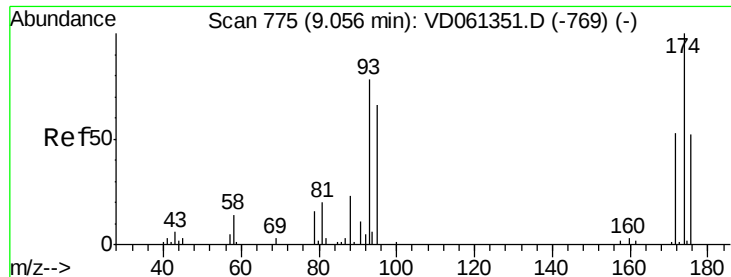
69 75.3 60.2 90.4

39 51.8 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

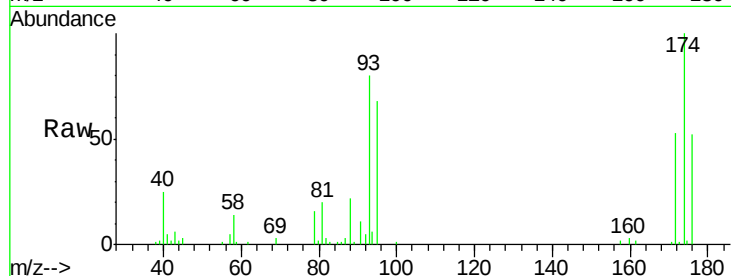




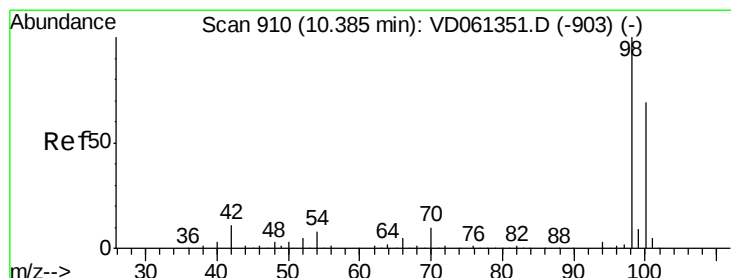
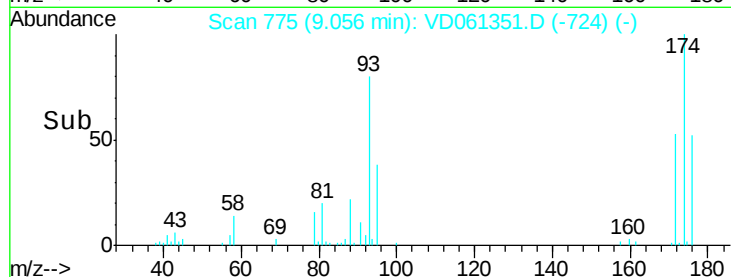
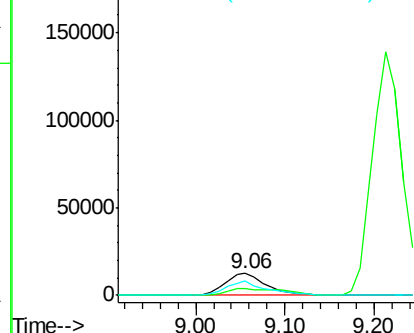
#49
1,4-Dioxane
Concen: 982.653 ug/l
RT: 9.06 min Scan# 775
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 40091
Ion Ratio Lower Upper
88 100
43 29.1 23.3 34.9
58 63.5 50.8 76.2

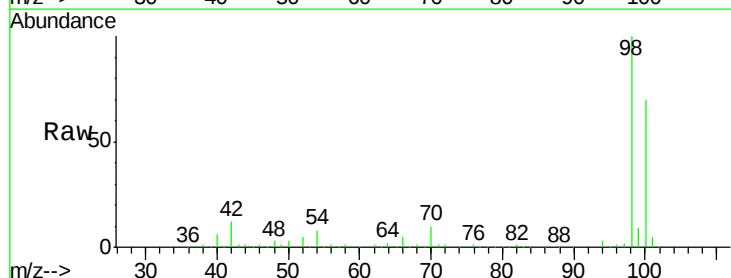


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

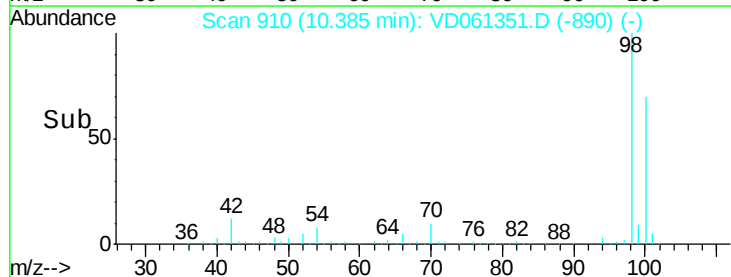
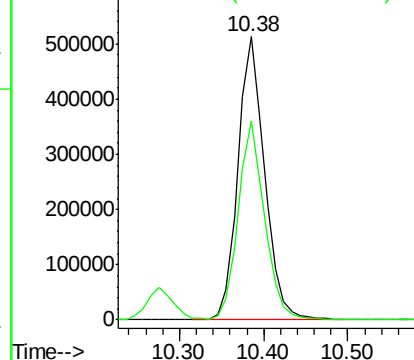


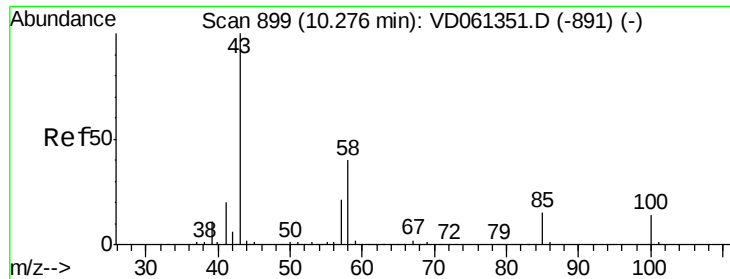
#50
Toluene-d8
Concen: 982.653 ug/l
RT: 10.38 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Tgt Ion: 98 Resp: 1127887
Ion Ratio Lower Upper
98 100
100 70.2 56.2 84.2



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

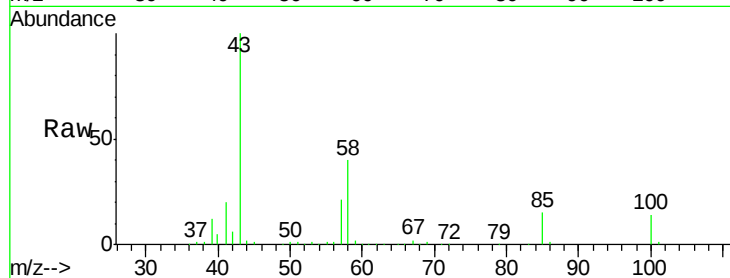




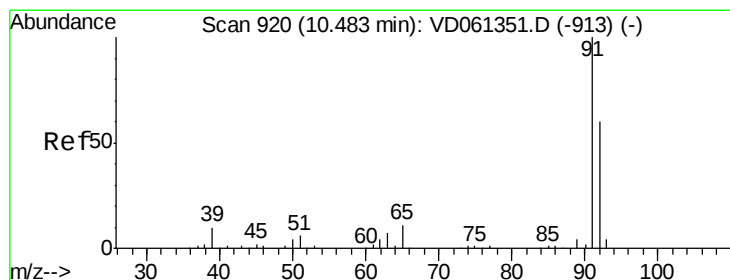
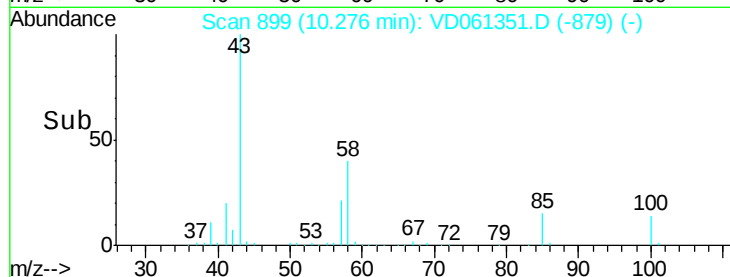
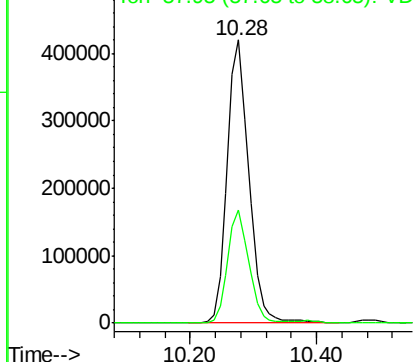
#51
4-Methyl-2-Pentanone
Concen: 244.924 ug/l
RT: 10.28 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 998492
Ion Ratio Lower Upper
43 100
58 39.8 31.8 47.8

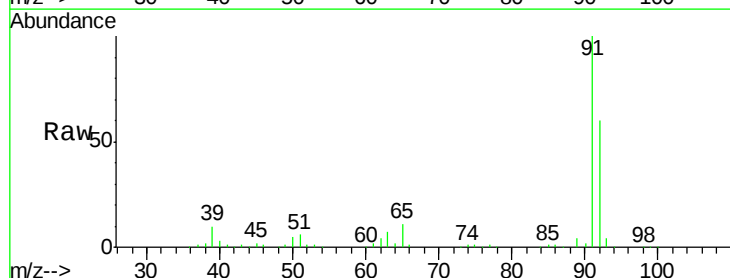


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

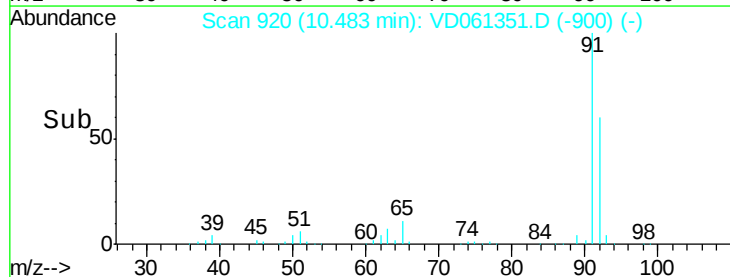
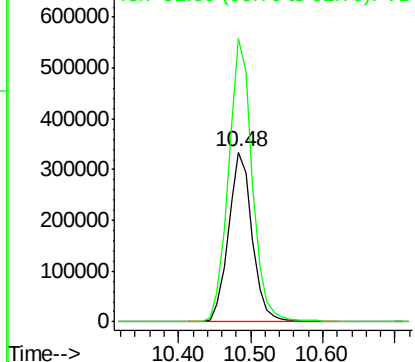


#52
Toluene
Concen: 46.374 ug/l
RT: 10.48 min Scan# 920
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Tgt Ion: 92 Resp: 764770
Ion Ratio Lower Upper
92 100
91 166.6 133.3 199.9



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

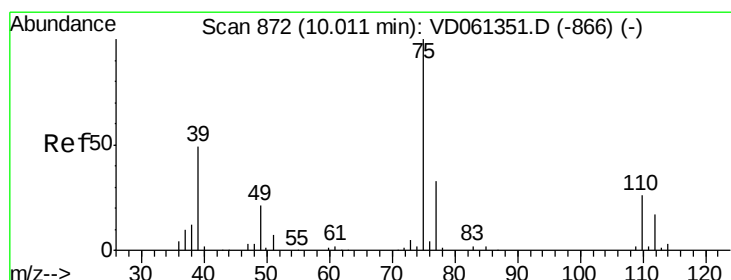
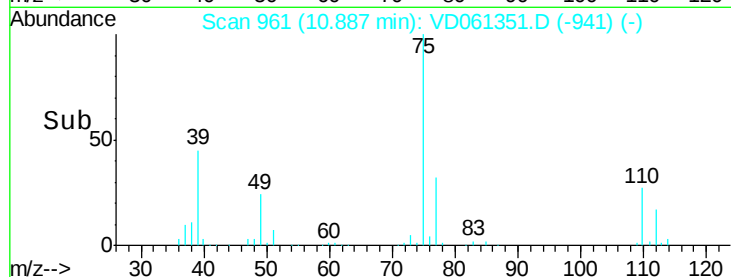
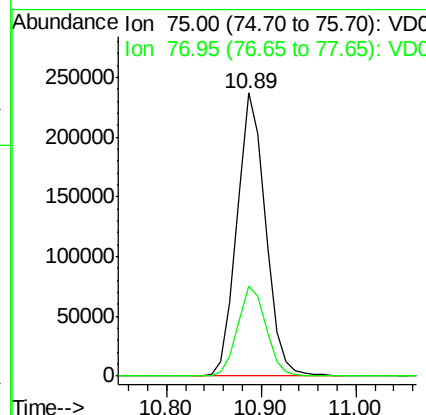
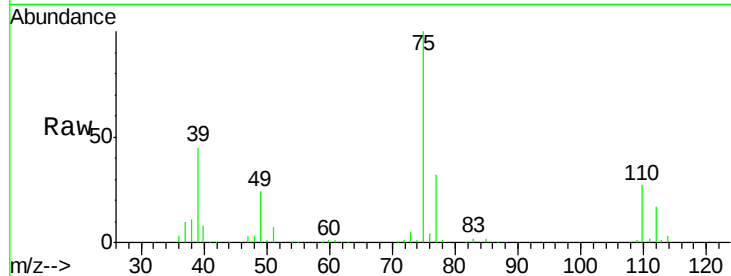




#53
 t-1,3-Dichloropropene
 Concen: 52.753 ug/l
 RT: 10.89 min Scan# 961
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

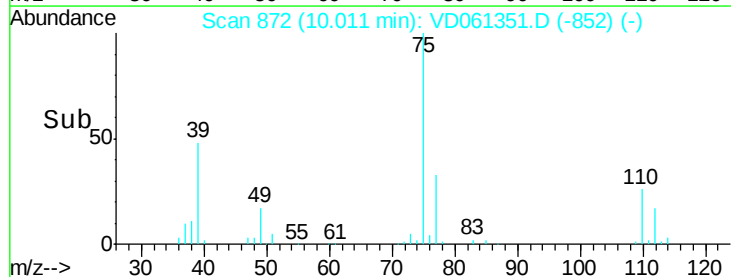
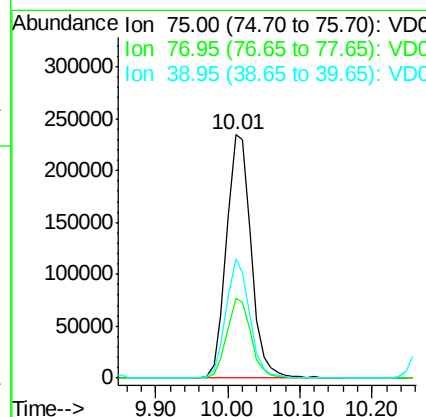
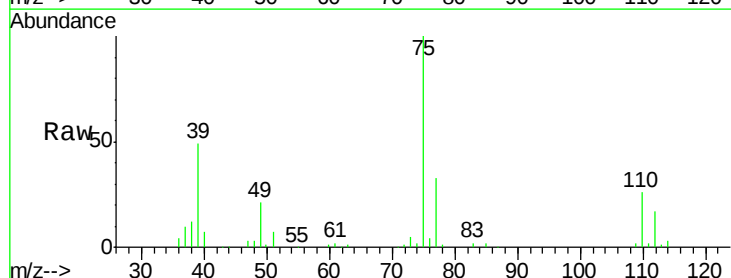
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

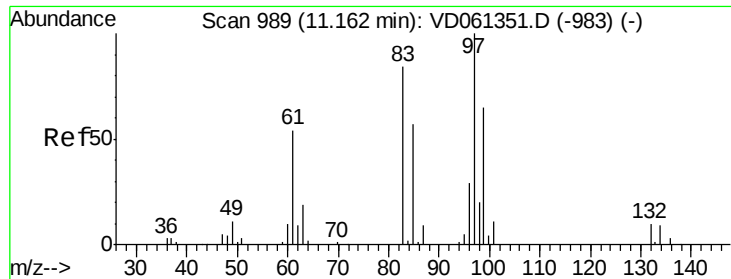
Tgt Ion: 75 Resp: 496302
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 48.469 ug/l
 RT: 10.01 min Scan# 872
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion: 75 Resp: 555254
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.4
 39 49.2 39.4 59.0

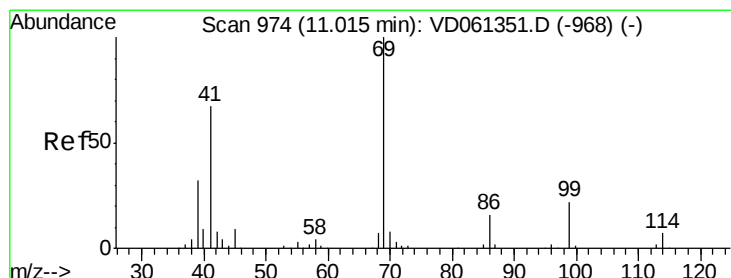
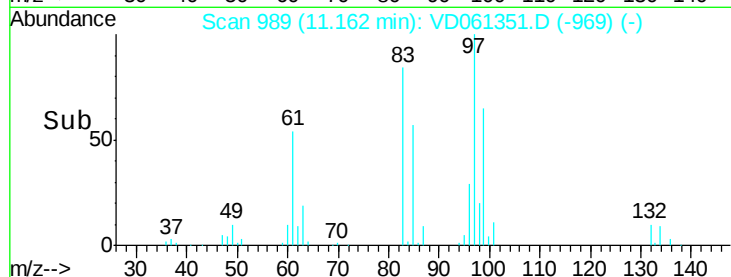
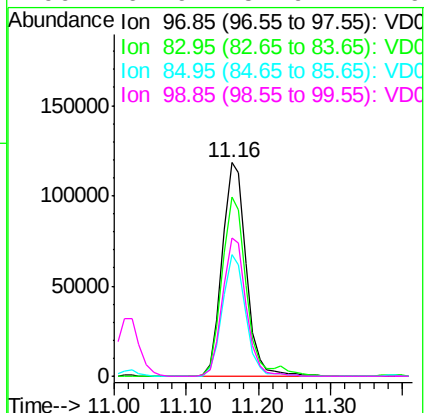
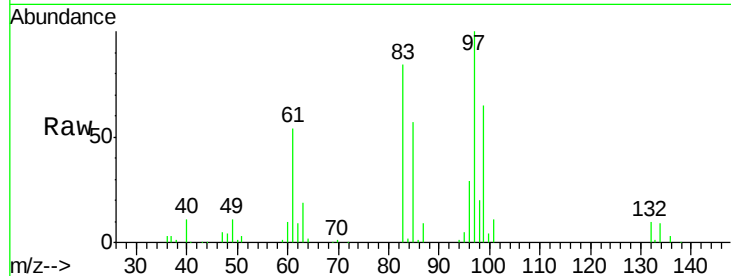




#55
 1,1,2-Trichloroethane
 Concen: 47.267 ug/l
 RT: 11.16 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

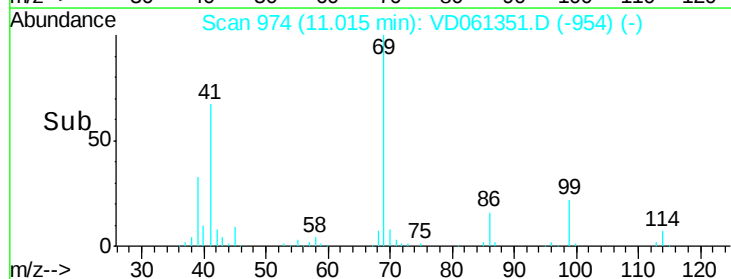
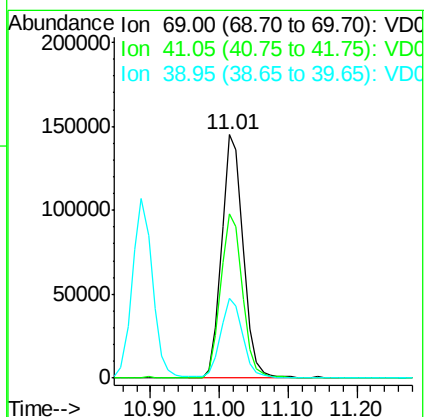
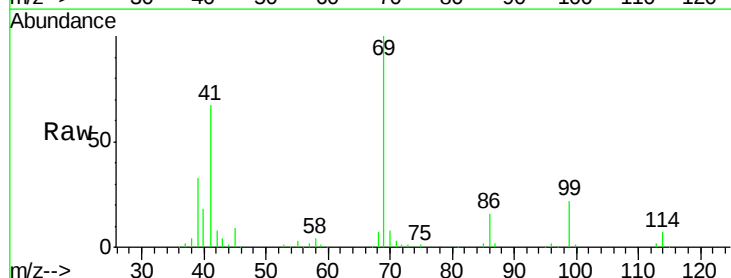
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

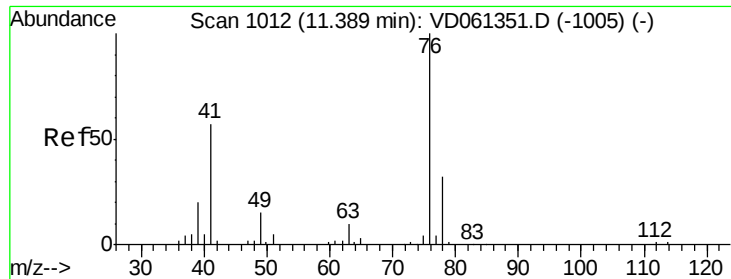
Tgt Ion: 97 Resp: 272609
 Ion Ratio Lower Upper
 97 100
 83 83.8 67.0 100.6
 85 56.8 45.4 68.2
 99 64.9 51.9 77.9



#56
 Ethyl methacrylate
 Concen: 50.664 ug/l
 RT: 11.01 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion: 69 Resp: 313903
 Ion Ratio Lower Upper
 69 100
 41 67.2 53.8 80.6
 39 33.0 26.4 39.6

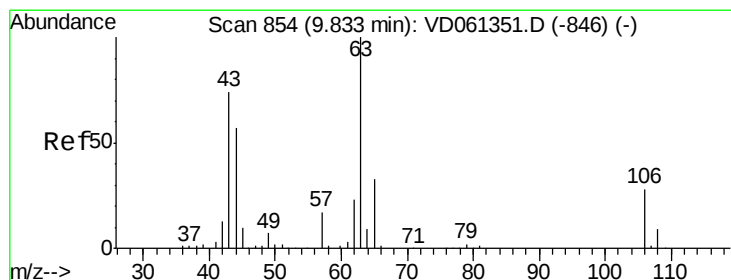
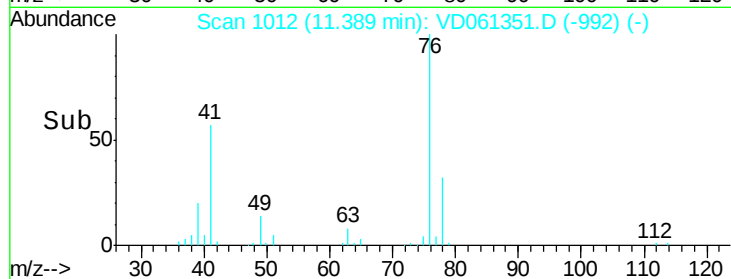
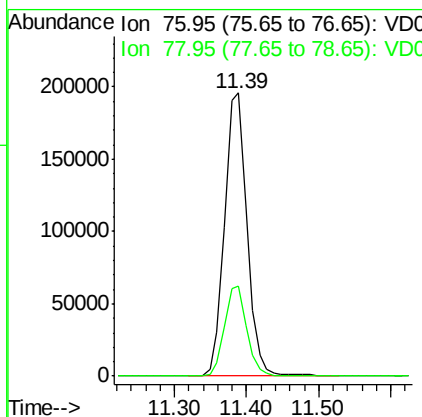
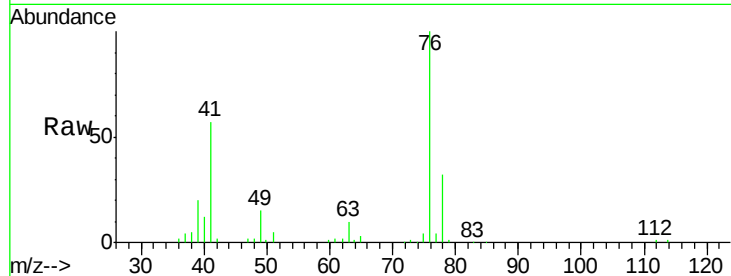




#57
 1,3-Dichloropropane
 Concen: 49.787 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

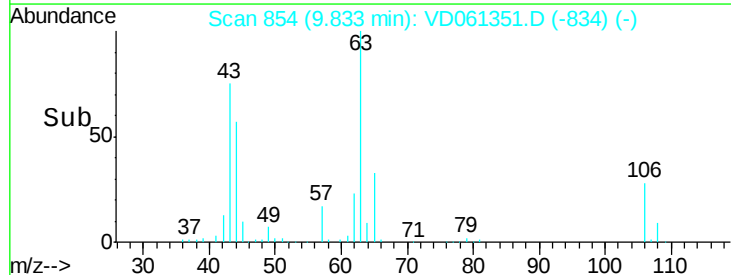
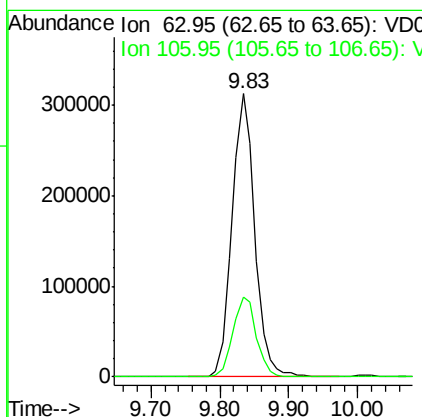
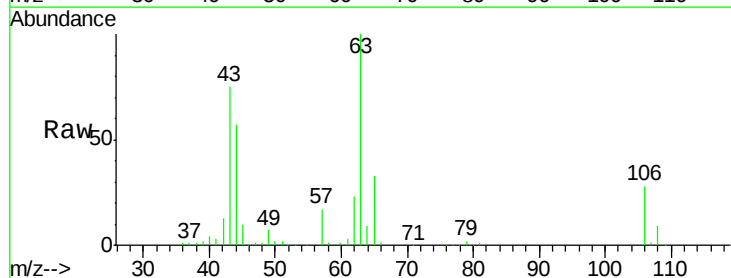
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

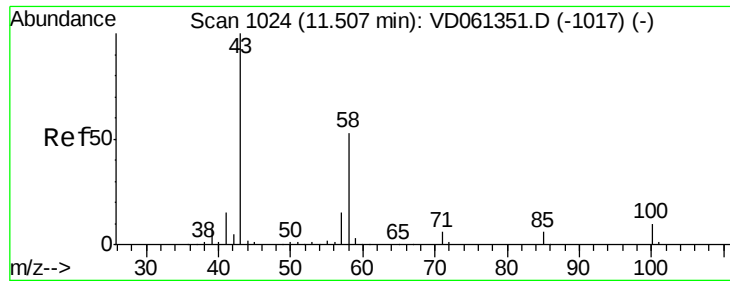
Tgt Ion: 76 Resp: 422053
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.688 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion: 63 Resp: 714163
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.4 33.6

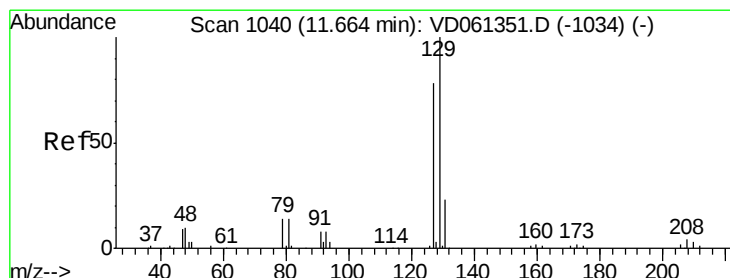
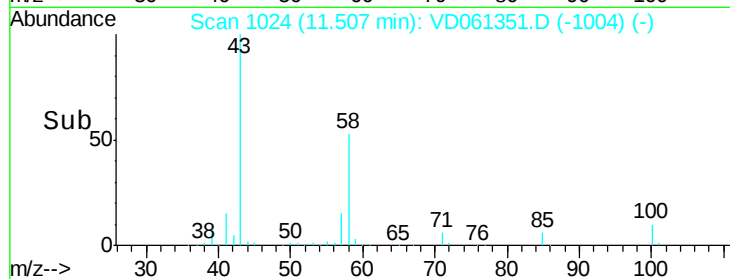
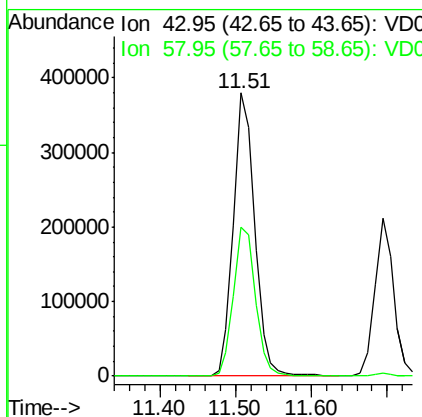
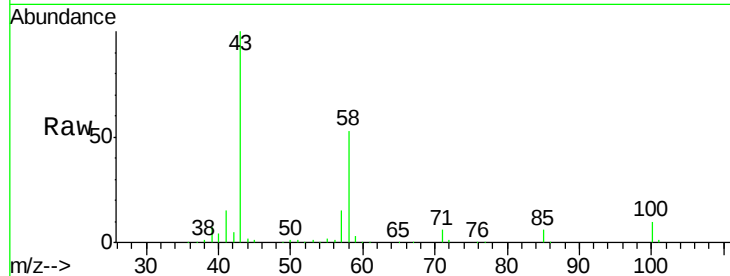




#59
2-Hexanone
Concen: 250.020 ug/l
RT: 11.51 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

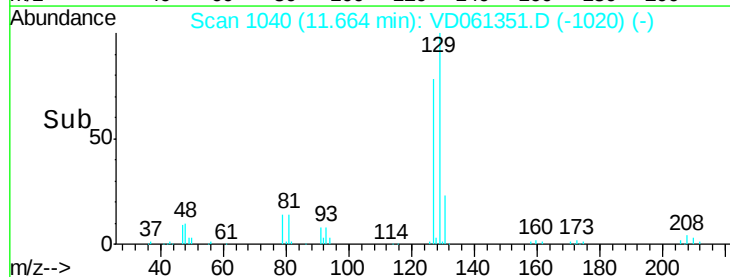
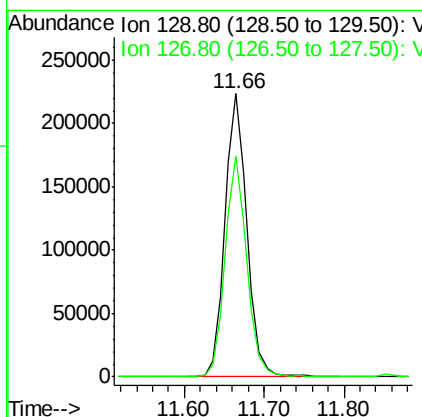
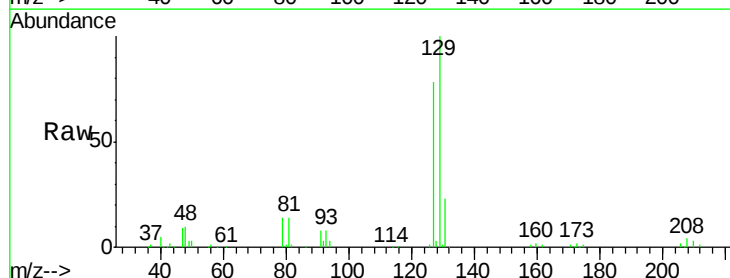
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 738649
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.9



#60
Dibromochloromethane
Concen: 48.761 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Tgt Ion: 129 Resp: 433543
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9

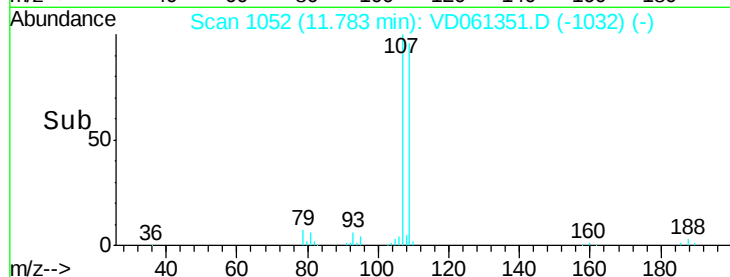
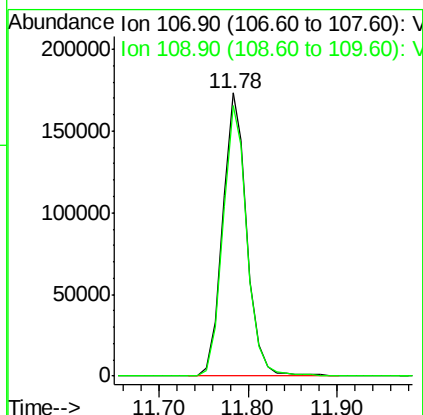
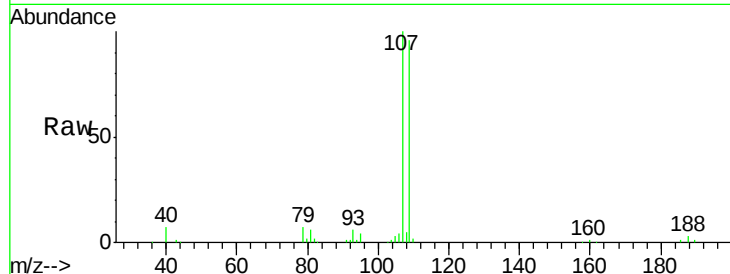




#61
 1,2-Dibromoethane
 Concen: 49.235 ug/l
 RT: 11.78 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

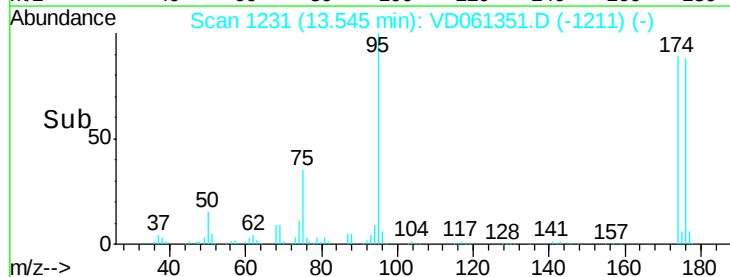
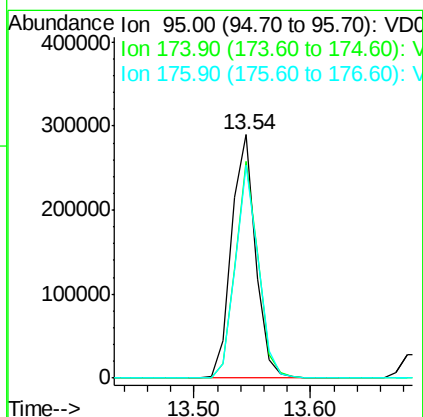
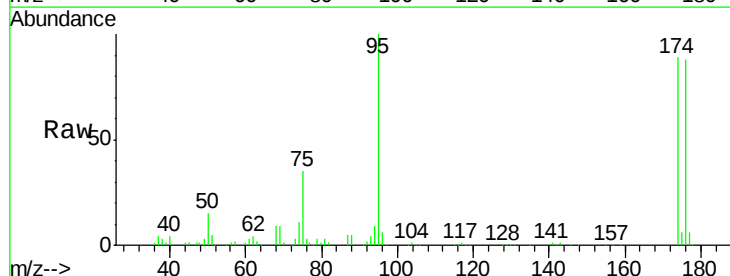
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 107 Resp: 328811
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 49.235 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion: 95 Resp: 412176
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 178.0
 176 87.5 0.0 175.0

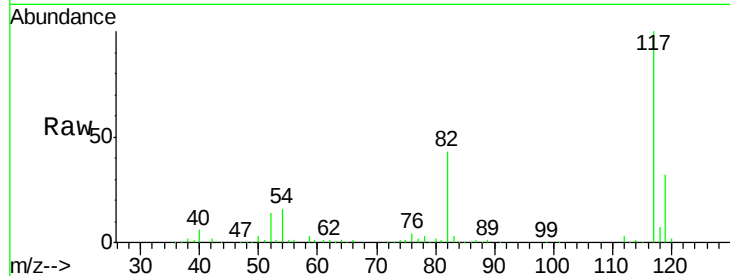




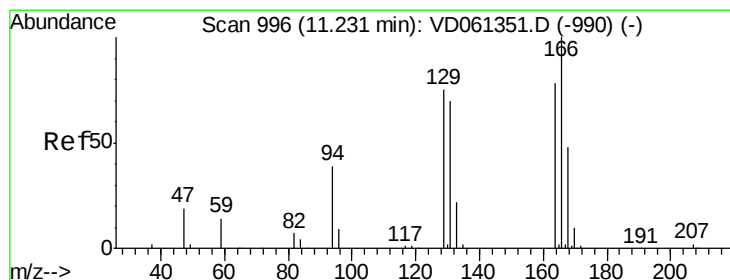
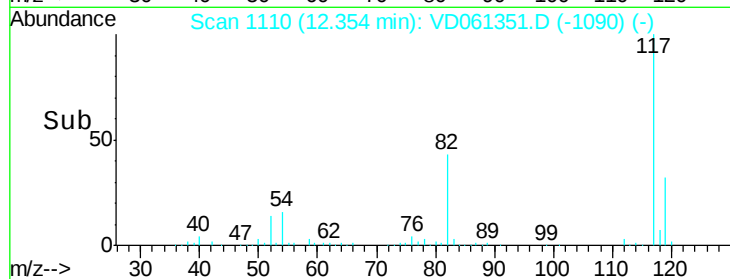
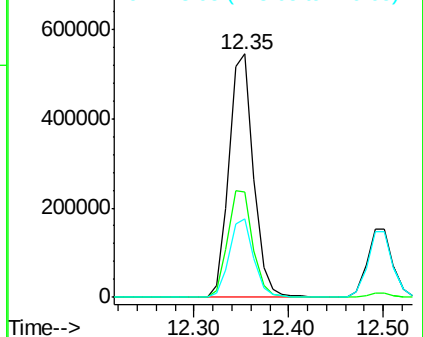
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 980294
Ion Ratio Lower Upper
117 100
82 43.0 34.4 51.6
119 32.2 25.8 38.6

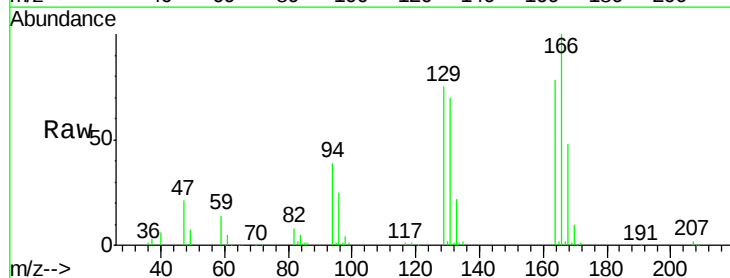


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

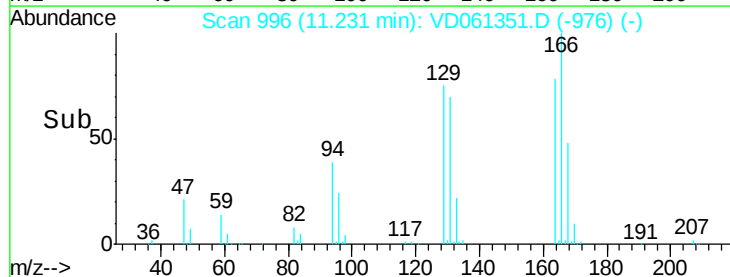
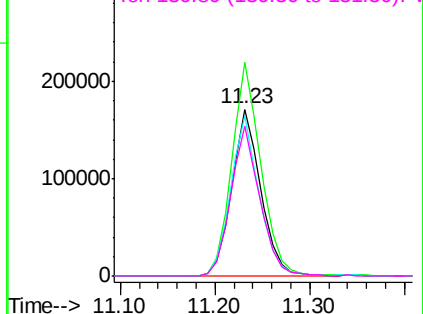


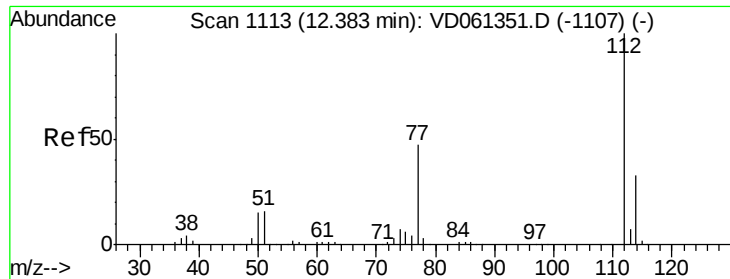
#64
Tetrachloroethene
Concen: 47.261 ug/l
RT: 11.23 min Scan# 996
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Tgt Ion:164 Resp: 363604
Ion Ratio Lower Upper
164 100
166 128.0 102.4 153.6
129 96.0 76.8 115.2
131 89.7 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

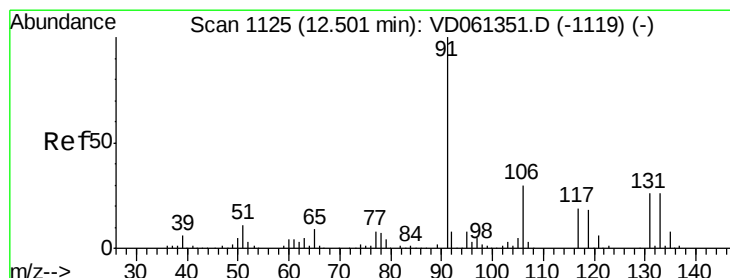
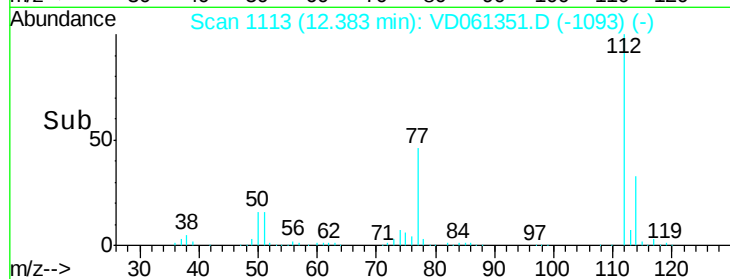
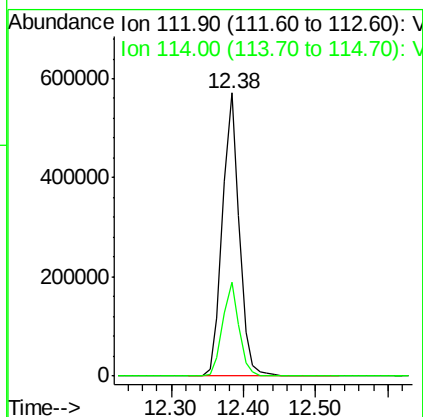
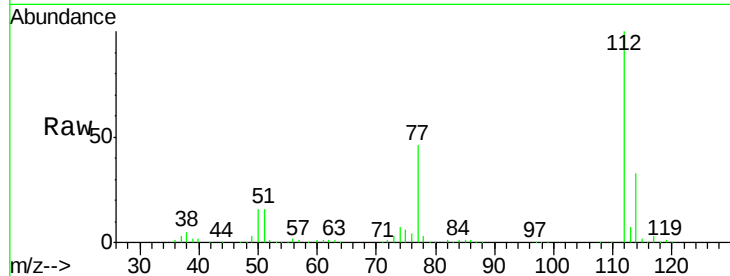




#65
Chlorobenzene
Concen: 45.818 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

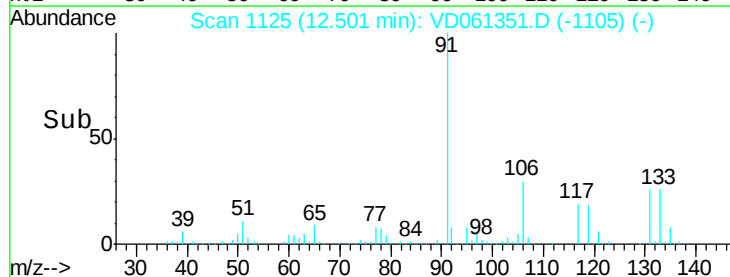
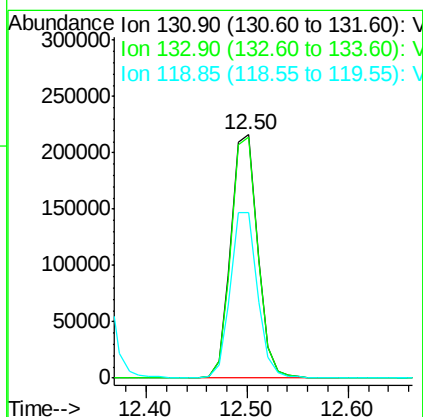
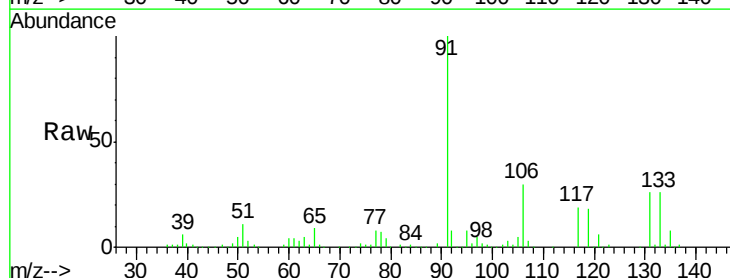
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 917915
Ion Ratio Lower Upper
112 100
114 33.2 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.572 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Tgt Ion:131 Resp: 400043
Ion Ratio Lower Upper
131 100
133 98.8 49.4 148.2
119 68.1 34.1 102.2

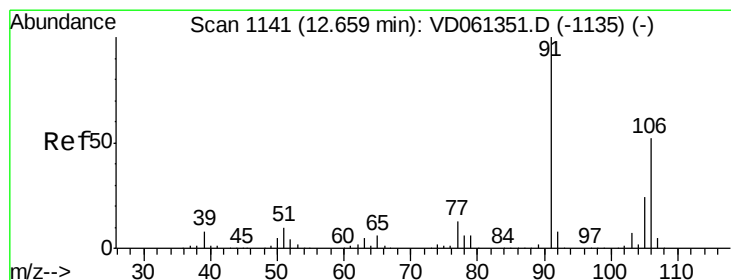
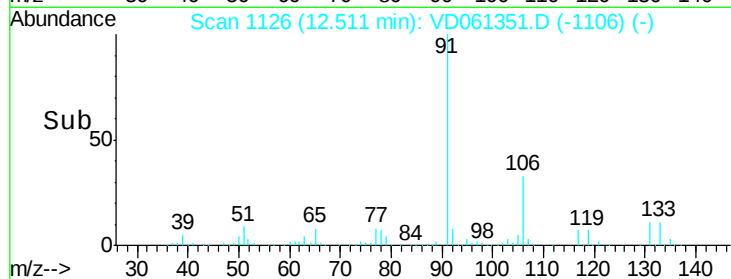
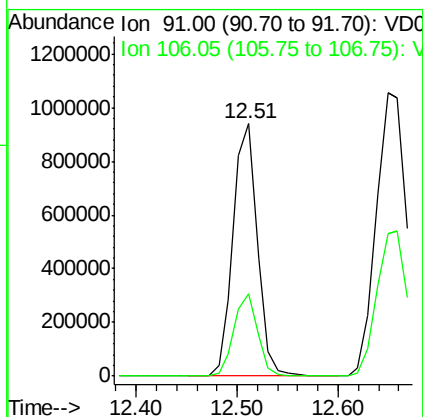
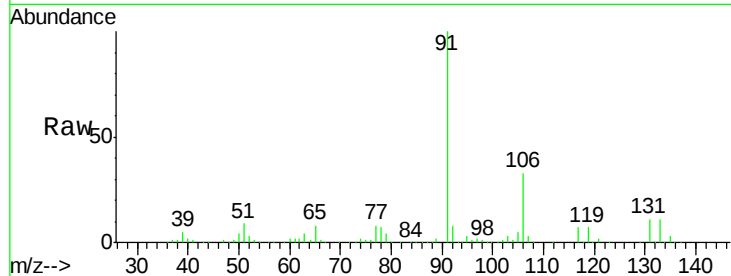




#67
Ethyl Benzene
Concen: 51.478 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

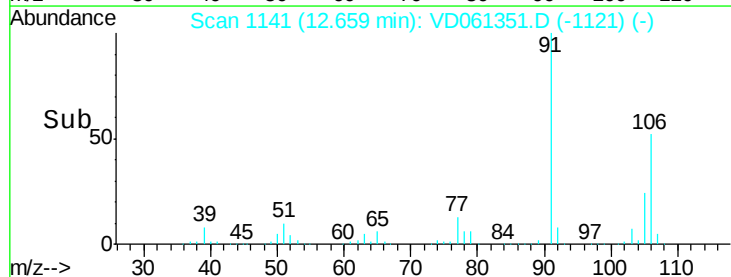
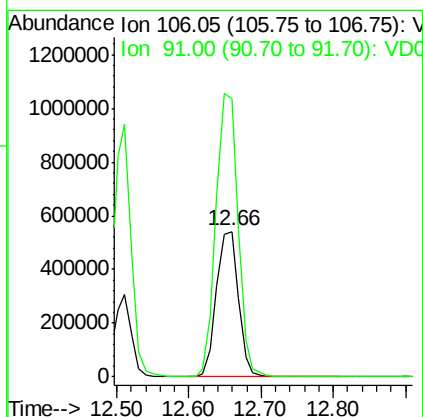
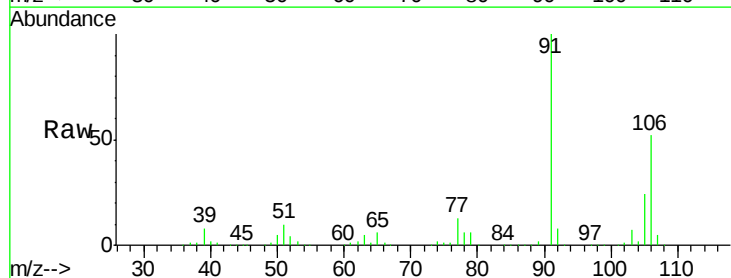
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

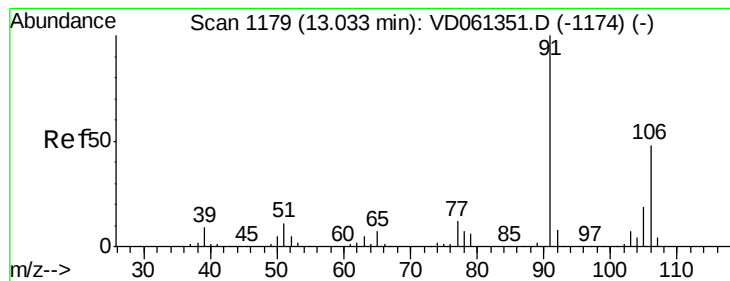
Tgt Ion: 91 Resp: 1574165
Ion Ratio Lower Upper
91 100
106 32.6 26.1 39.1



#68
m/p-Xylenes
Concen: 98.509 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Tgt Ion: 106 Resp: 1141077
Ion Ratio Lower Upper
106 100
91 191.4 153.1 229.7





#69

o-Xylene

Concen: 51.854 ug/l

RT: 13.03 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

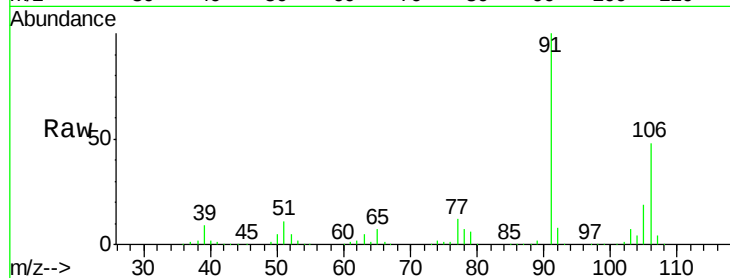
VSTDICCC050

Tgt Ion:106 Resp: 582883

Ion Ratio Lower Upper

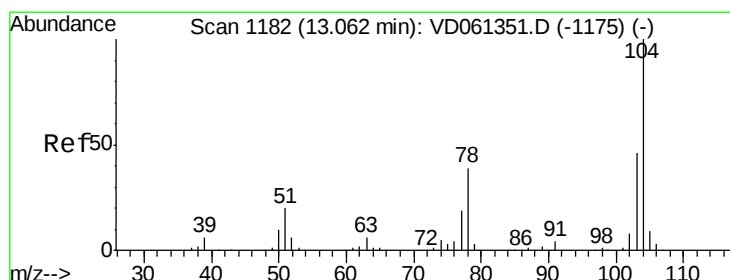
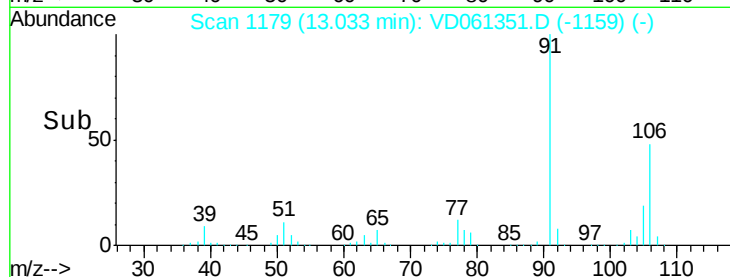
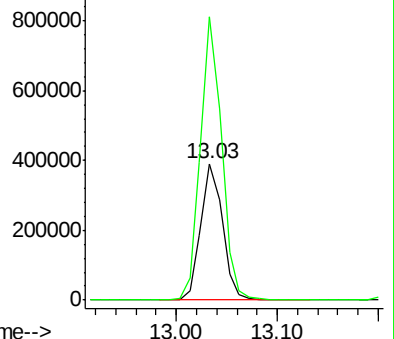
106 100

91 207.5 103.8 311.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 49.228 ug/l

RT: 13.06 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

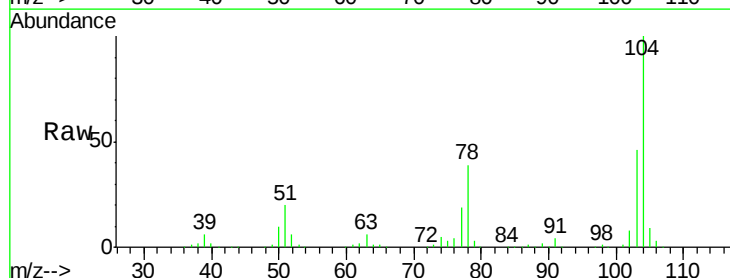
Tgt Ion:104 Resp: 964625

Ion Ratio Lower Upper

104 100

78 38.8 31.0 46.6

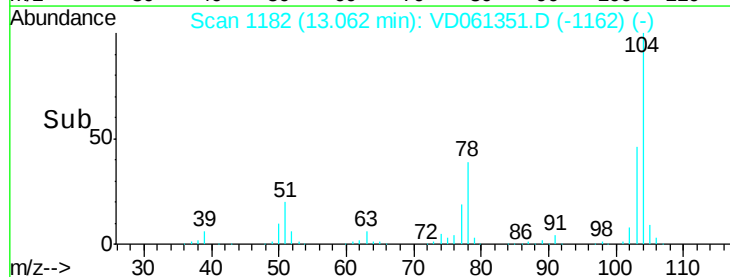
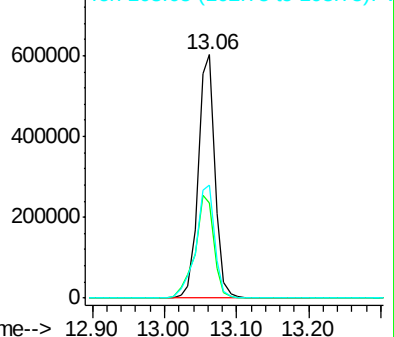
103 46.2 37.0 55.4

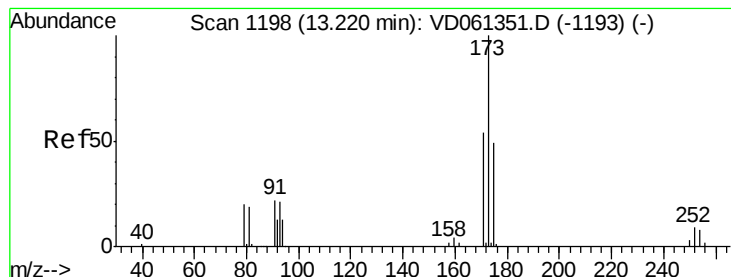


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 51.179 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

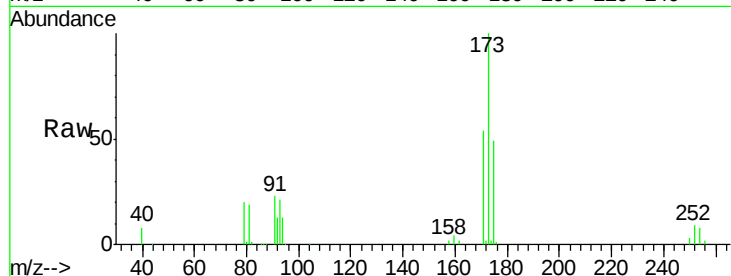
Tgt Ion:173 Resp: 251655

Ion Ratio Lower Upper

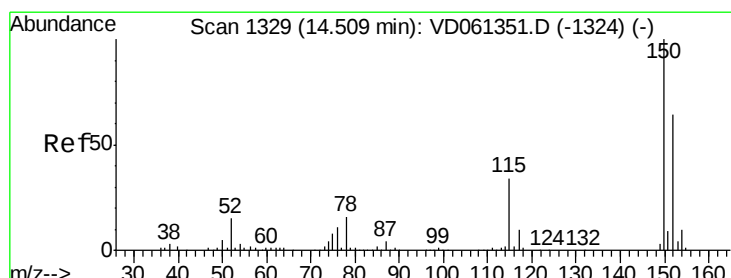
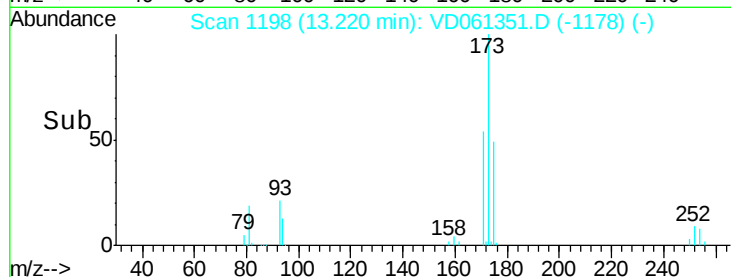
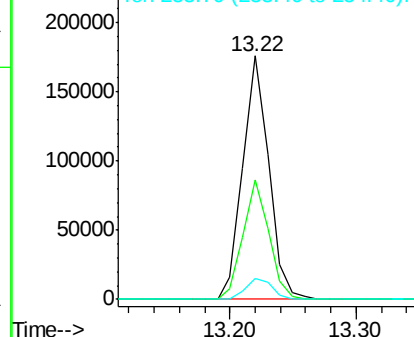
173 100

175 49.2 24.6 73.8

254 8.3 6.6 10.0



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

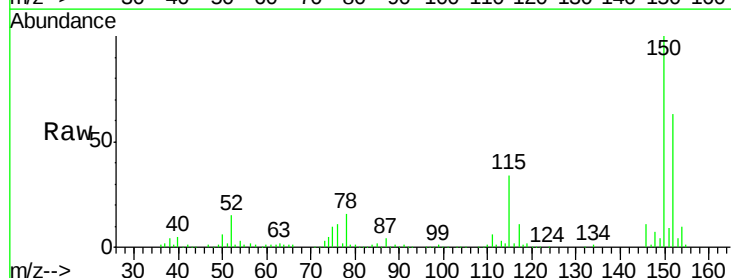
Tgt Ion:152 Resp: 461258

Ion Ratio Lower Upper

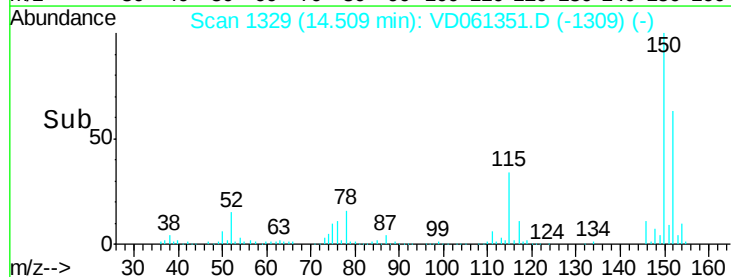
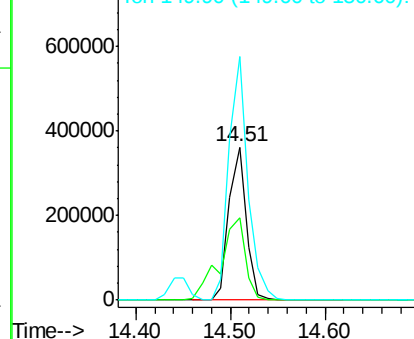
152 100

115 53.7 26.9 80.6

150 159.0 0.0 318.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.491 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

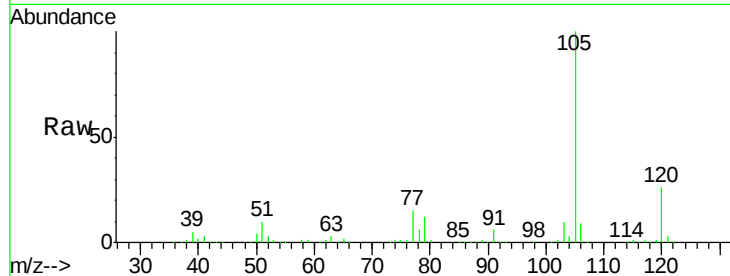
VSTDICCC050

Tgt Ion:105 Resp: 1460405

Ion Ratio Lower Upper

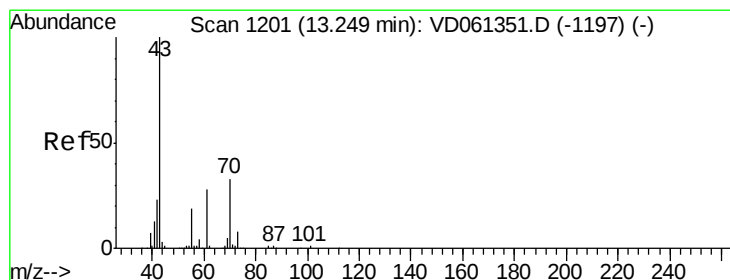
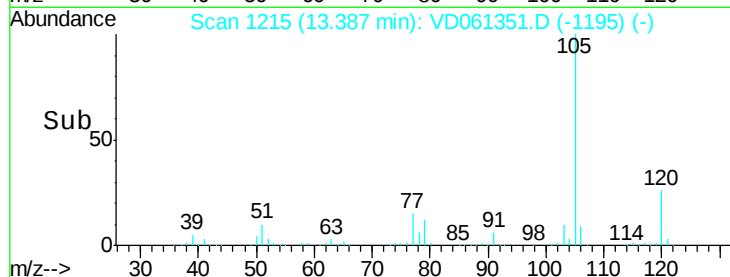
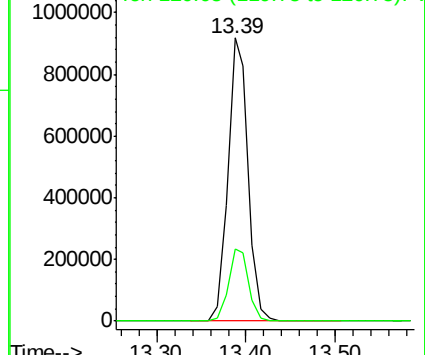
105 100

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: 45.275 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Tgt Ion: 43 Resp: 404896

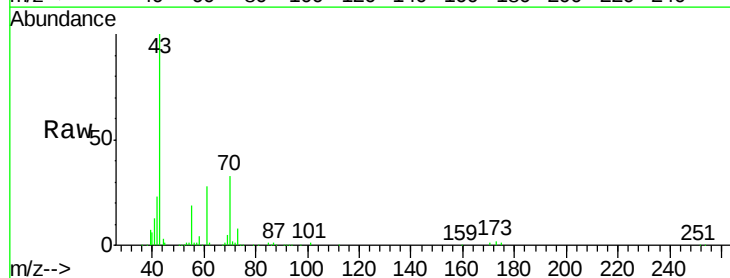
Ion Ratio Lower Upper

43 100

70 33.3 26.6 40.0

55 19.3 15.4 23.2

61 27.8 22.2 33.4

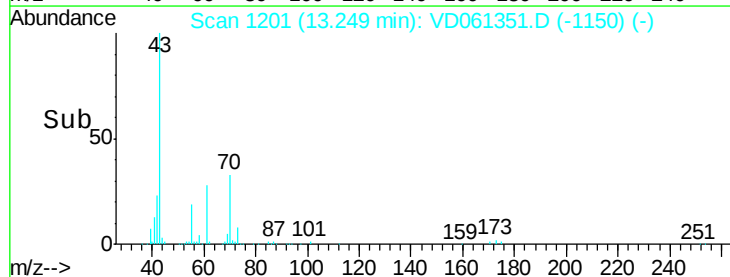
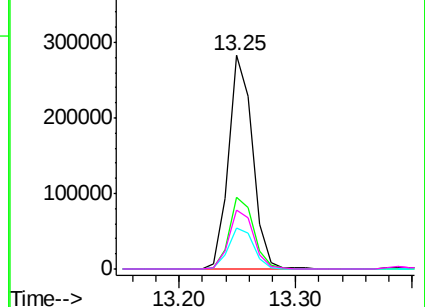


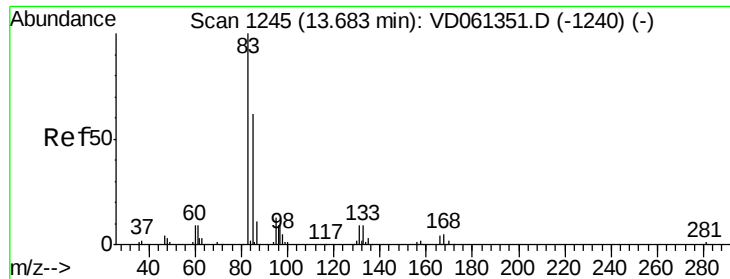
Abundance Ion 42.95 (42.65 to 43.65): V

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: 44.856 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

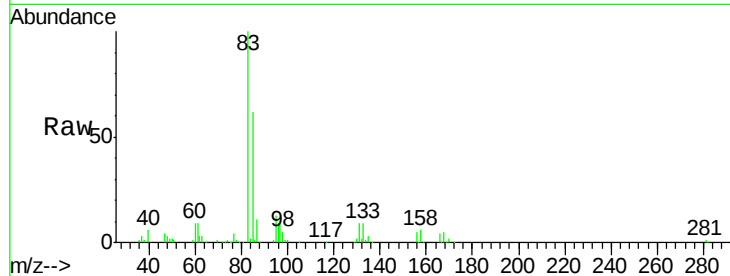
Tgt Ion: 83 Resp: 303774

Ion Ratio Lower Upper

83 100

131 8.7 4.3 13.1

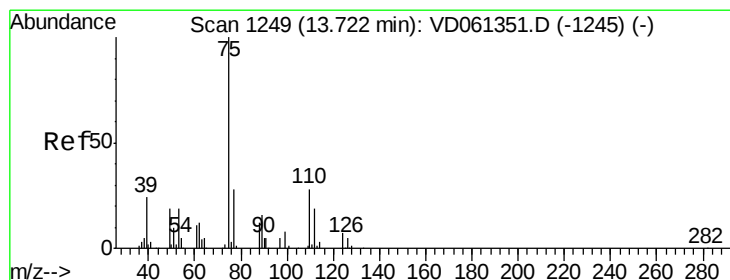
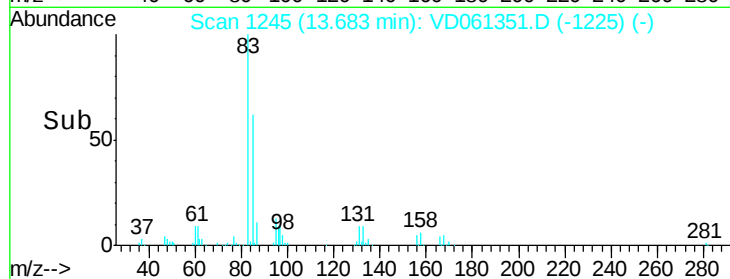
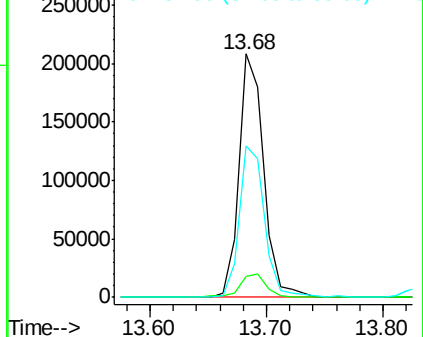
85 62.4 31.2 93.6



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: 43.803 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD061351.D

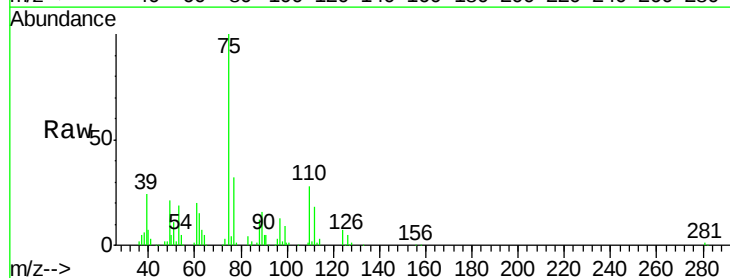
Acq: 27 Mar 2019 13:06

Tgt Ion: 75 Resp: 291861

Ion Ratio Lower Upper

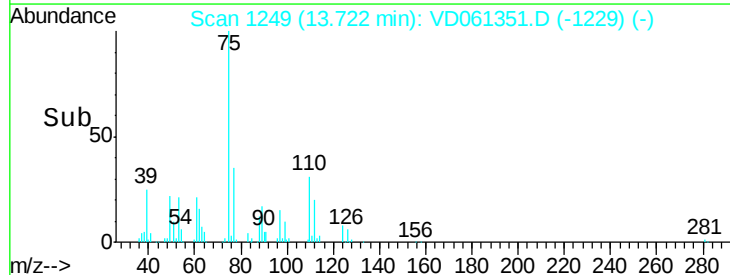
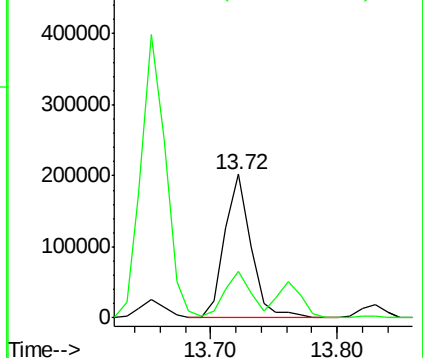
75 100

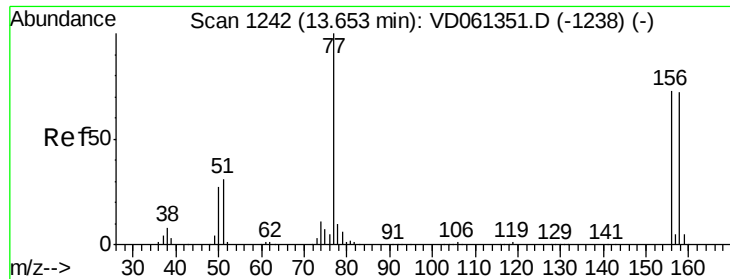
77 32.3 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 45.821 ug/l

RT: 13.65 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

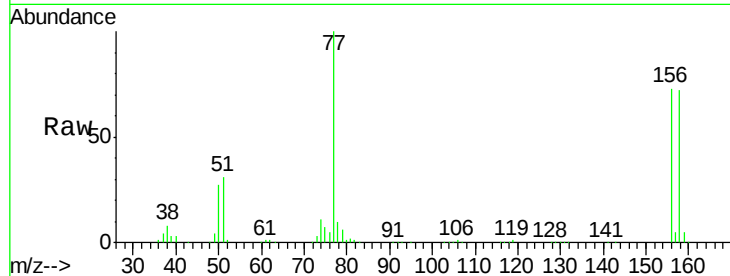
Tgt Ion:156 Resp: 436089

Ion Ratio Lower Upper

156 100

77 137.1 68.5 205.6

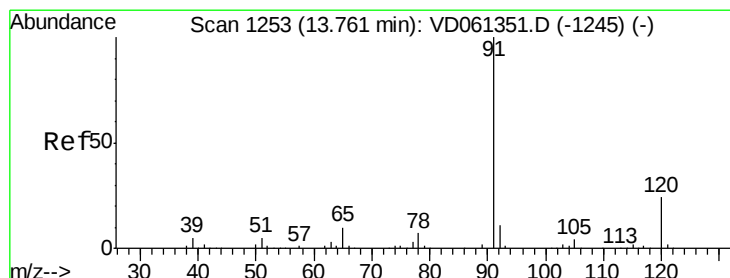
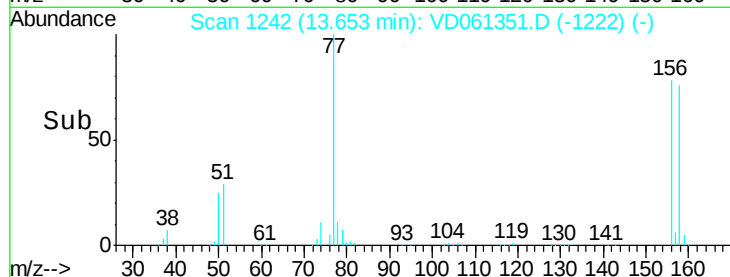
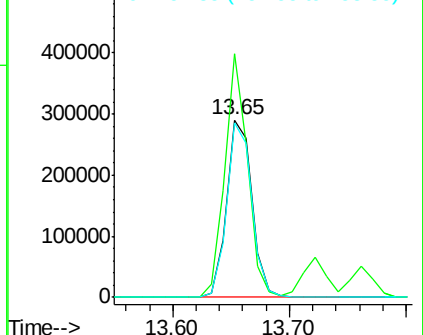
158 98.2 49.1 147.3



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: 48.679 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD061351.D

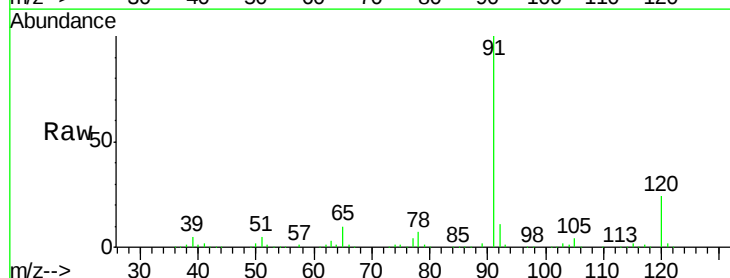
Acq: 27 Mar 2019 13:06

Tgt Ion: 91 Resp: 1912434

Ion Ratio Lower Upper

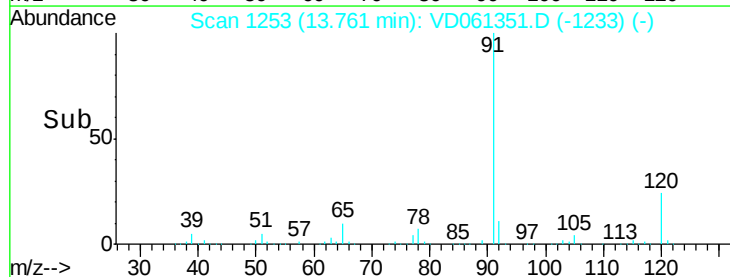
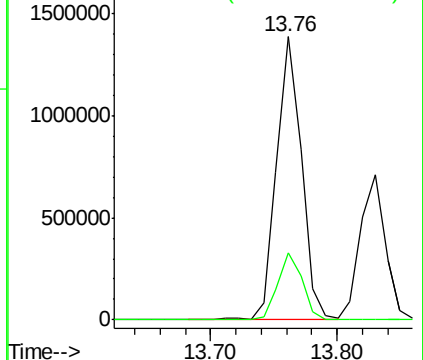
91 100

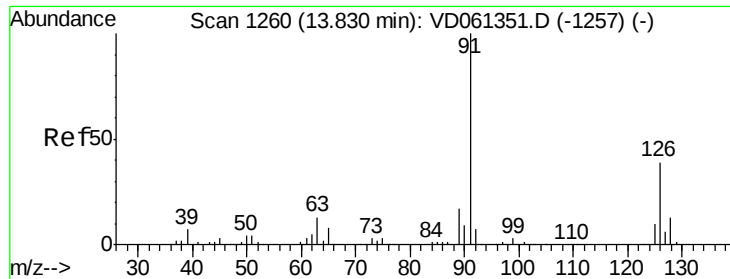
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 45.643 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

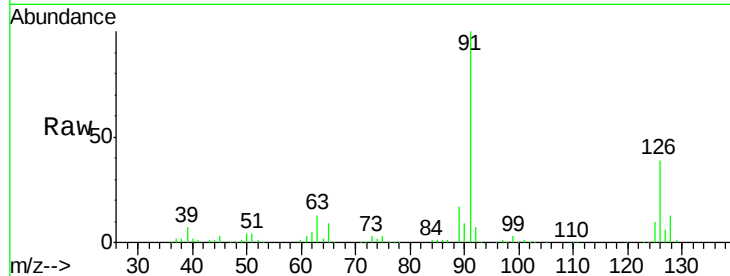
VSTDICCC050

Tgt Ion: 91 Resp: 973814

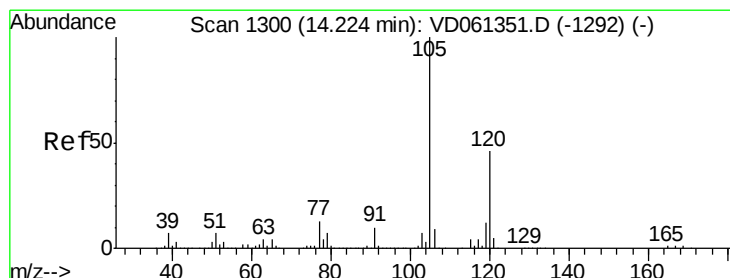
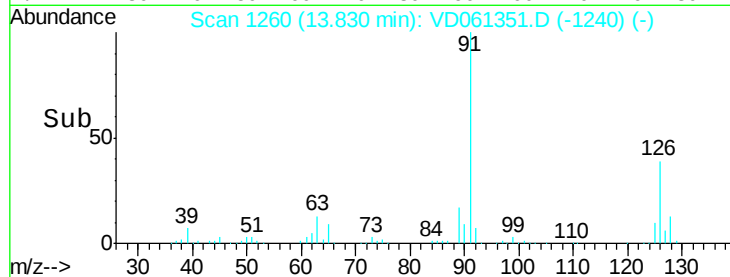
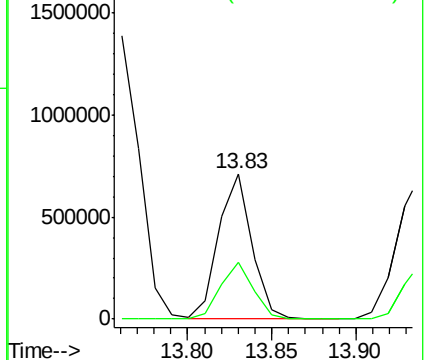
Ion Ratio Lower Upper

91 100

126 38.8 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 47.471 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VD061351.D

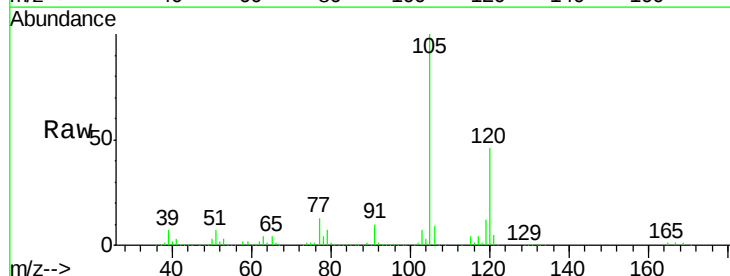
Acq: 27 Mar 2019 13:06

Tgt Ion: 105 Resp: 1280112

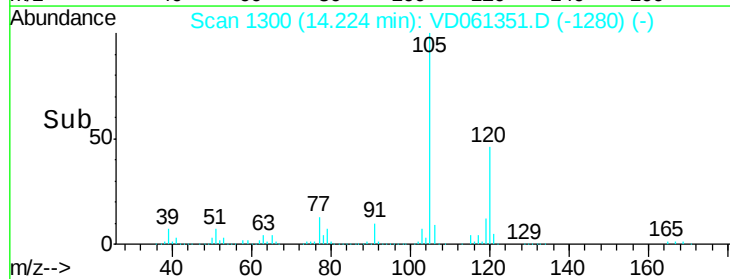
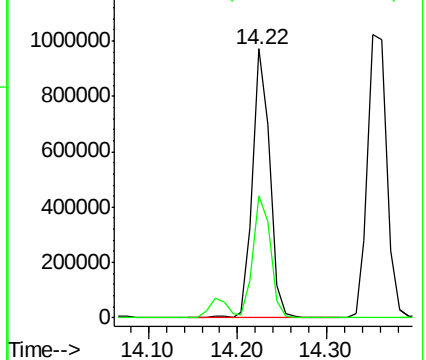
Ion Ratio Lower Upper

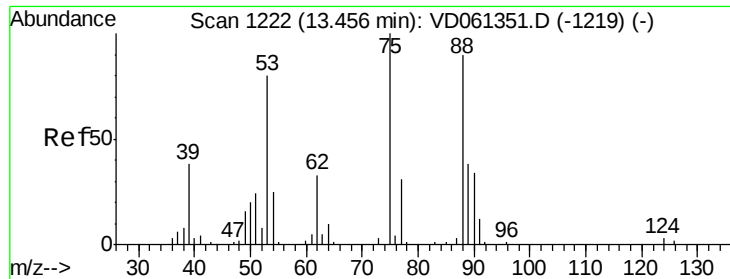
105 100

120 45.6 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

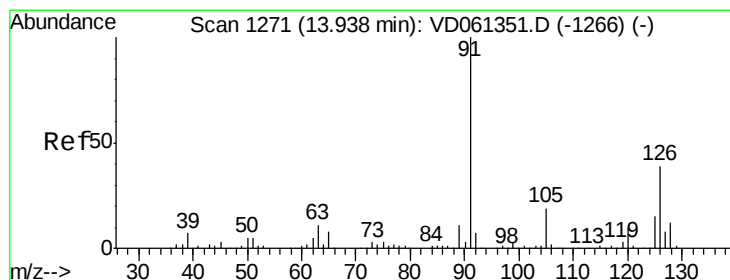
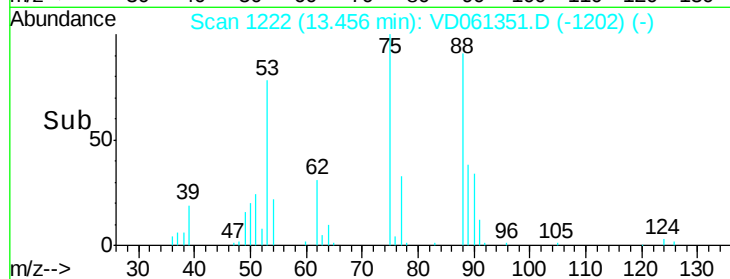
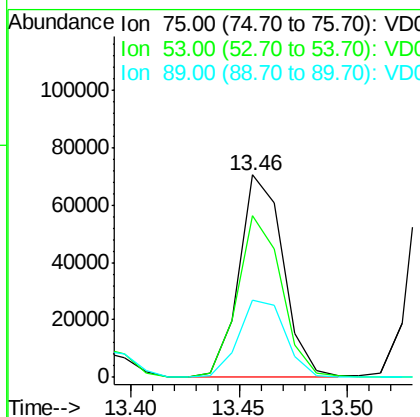
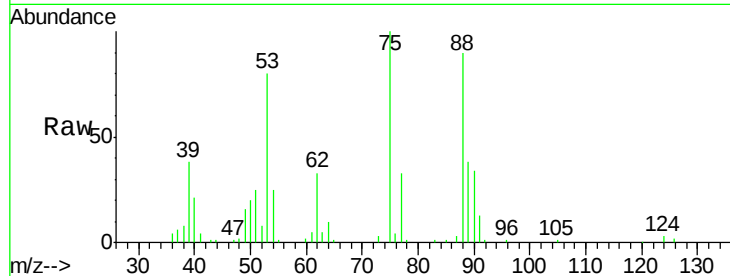




#81
trans-1,4-Dichloro-2-butene
Concen: 49.579 ug/l
RT: 13.46 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

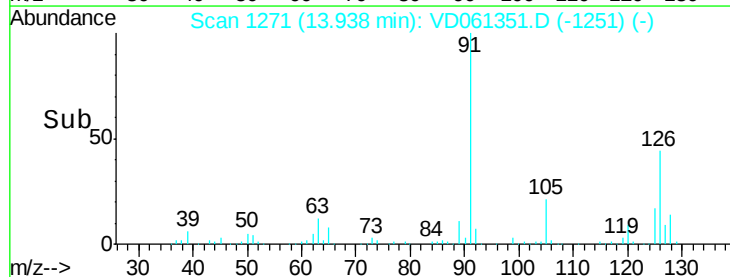
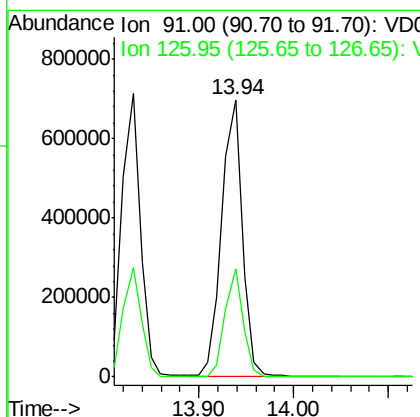
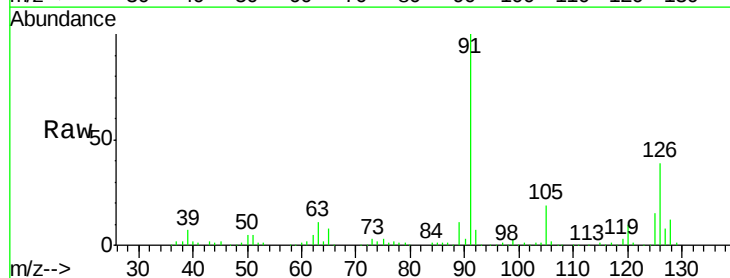
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 100722
Ion Ratio Lower Upper
75 100
53 79.8 63.8 95.8
89 38.1 30.5 45.7



#82
4-Chlorotoluene
Concen: 45.394 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Tgt Ion: 91 Resp: 1052908
Ion Ratio Lower Upper
91 100
126 39.2 19.6 58.8

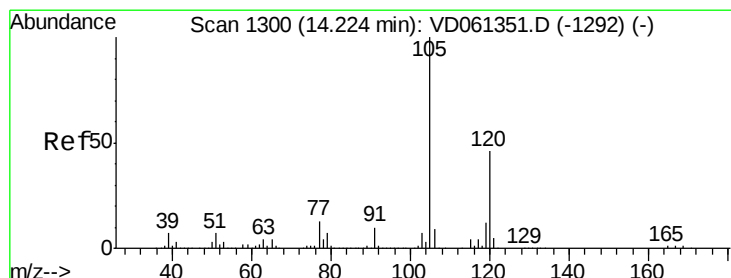
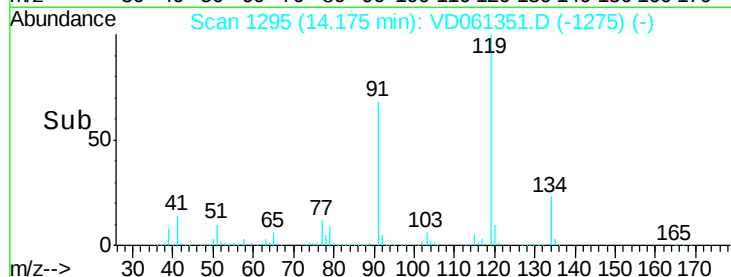
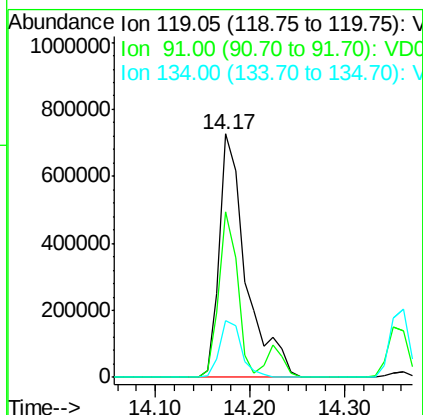
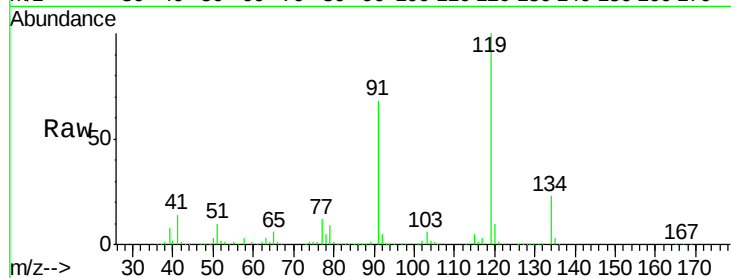




#83
 tert-Butylbenzene
 Concen: 45.940 ug/l
 RT: 14.17 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

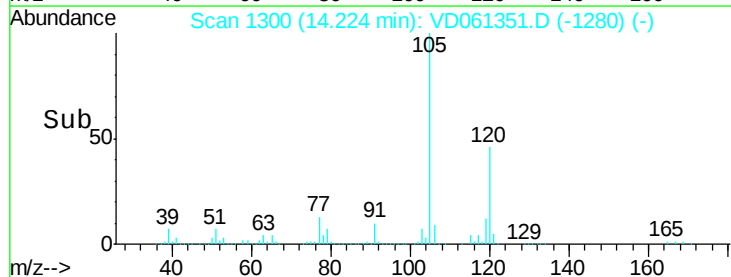
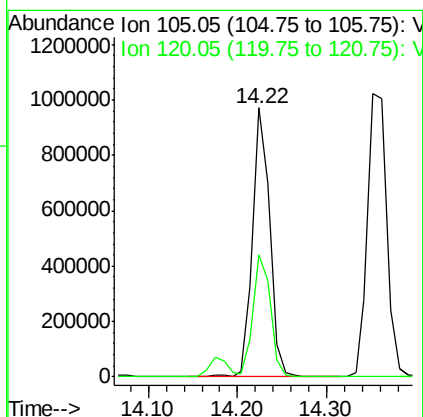
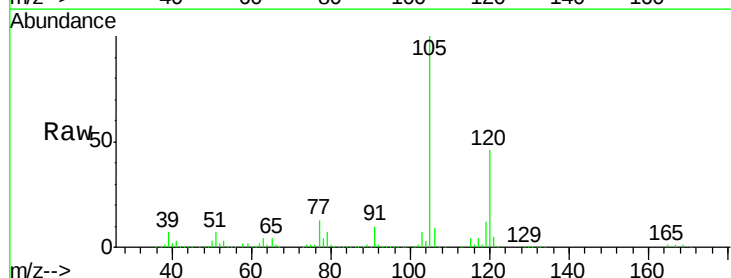
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:119 Resp: 1430038
 Ion Ratio Lower Upper
 119 100
 91 68.2 34.1 102.3
 134 23.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 47.471 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion:105 Resp: 1280112
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.4

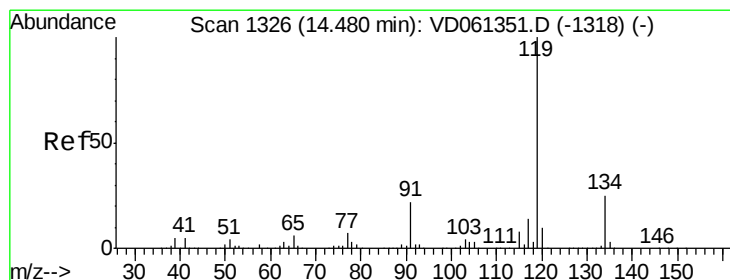
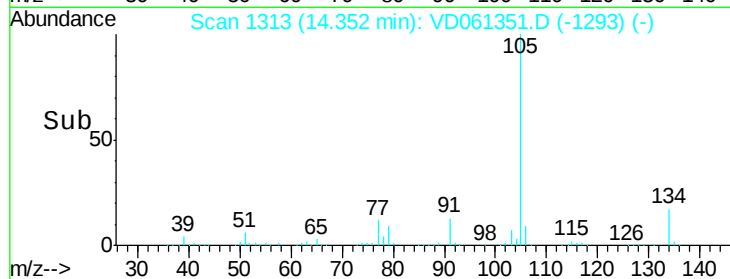
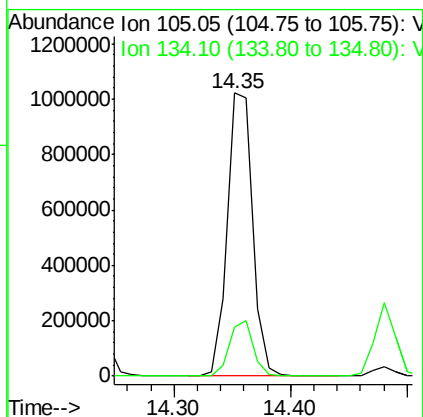
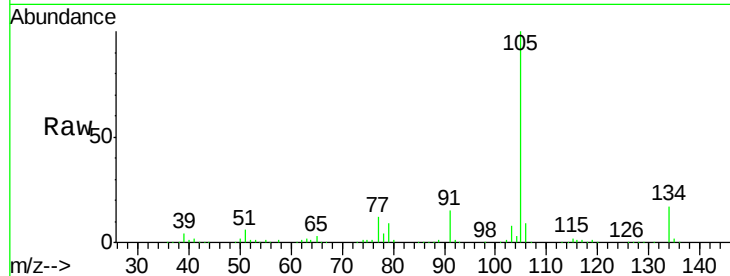




#85
 sec-Butylbenzene
 Concen: 46.446 ug/l
 RT: 14.35 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

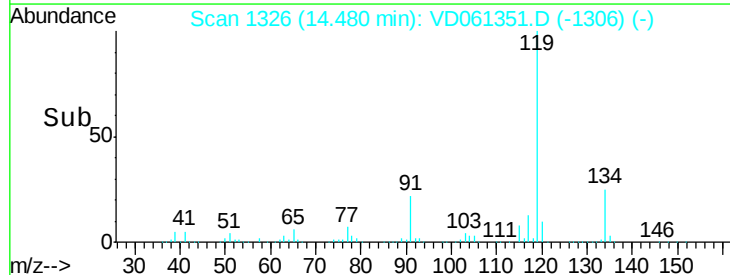
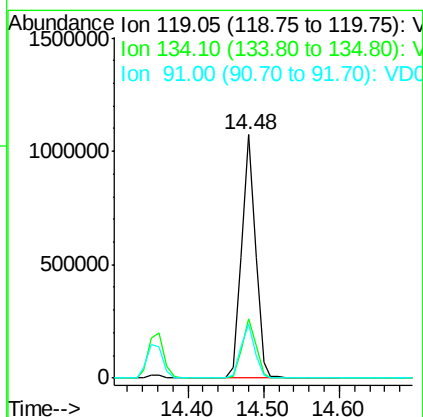
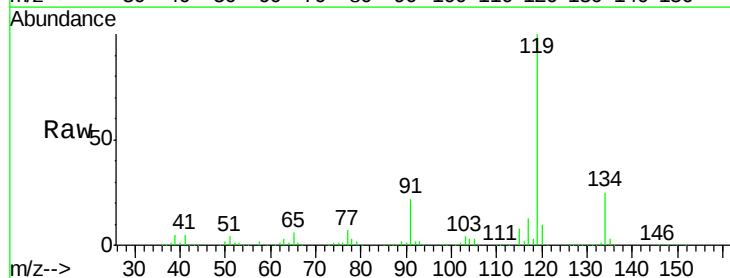
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:105 Resp: 1535915
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 48.211 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion:119 Resp: 1348131
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.3 36.8
 91 22.1 11.1 33.1

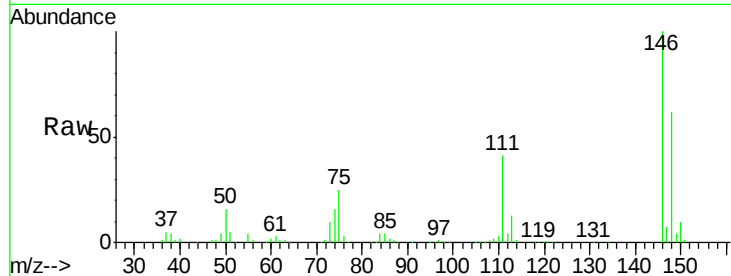




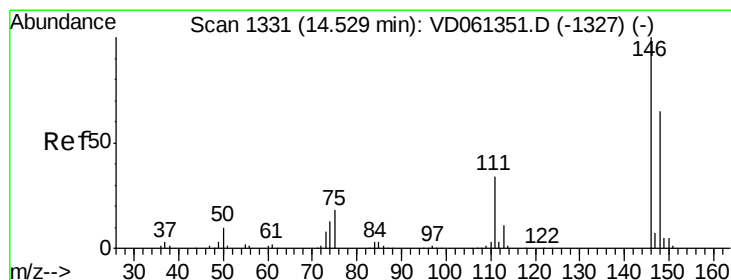
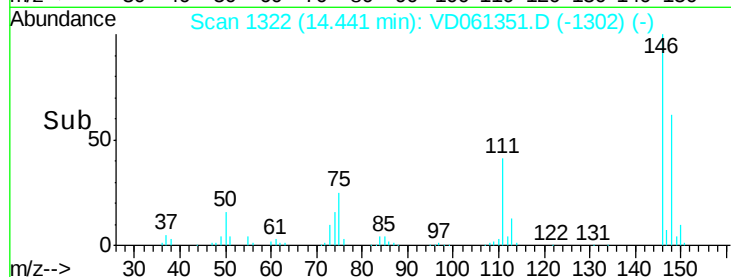
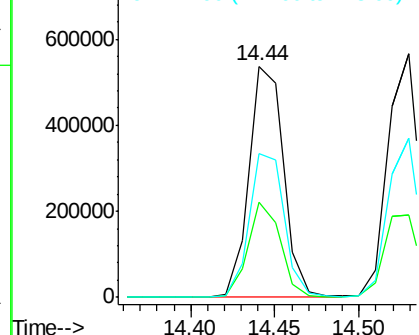
#87
 1,3-Dichlorobenzene
 Concen: 47.521 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:146 Resp: 765863
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.6 61.9
 148 62.2 31.1 93.3

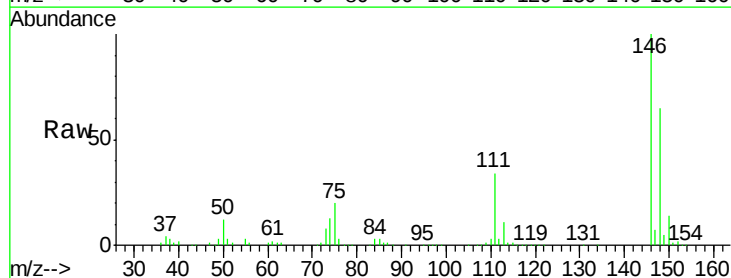


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

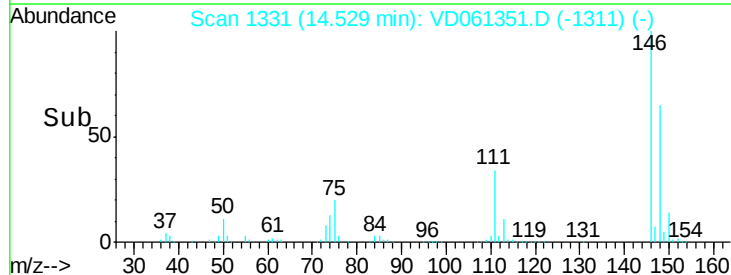
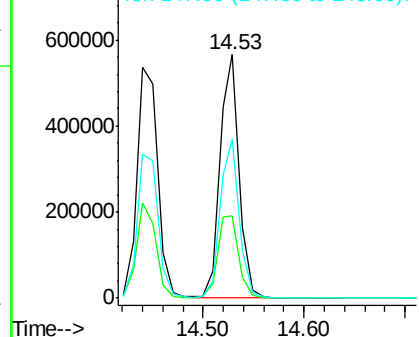


#88
 1,4-Dichlorobenzene
 Concen: 47.608 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion:146 Resp: 748246
 Ion Ratio Lower Upper
 146 100
 111 33.6 16.8 50.4
 148 65.3 32.6 98.0



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





#89

n-Butylbenzene

Concen: 46.080 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

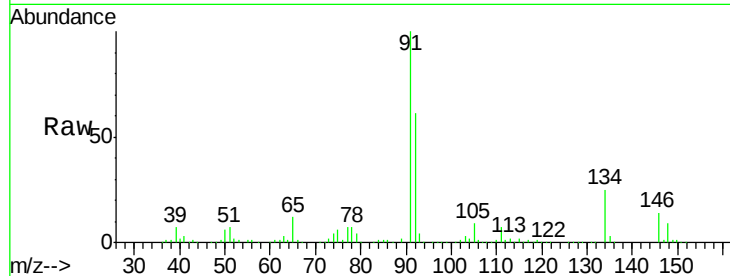
Tgt Ion: 91 Resp: 1182668

Ion Ratio Lower Upper

91 100

92 60.7 30.3 91.0

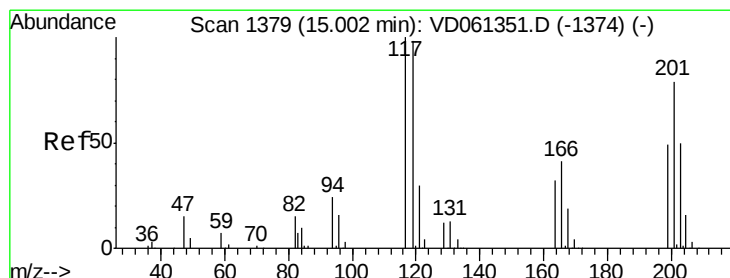
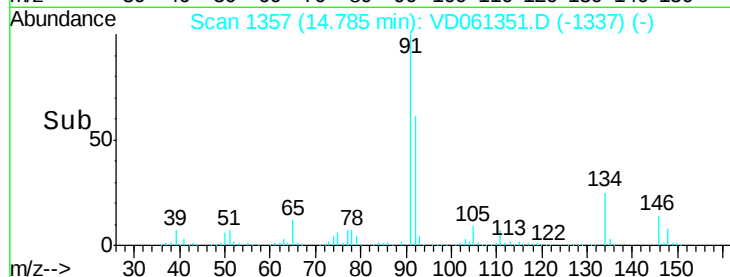
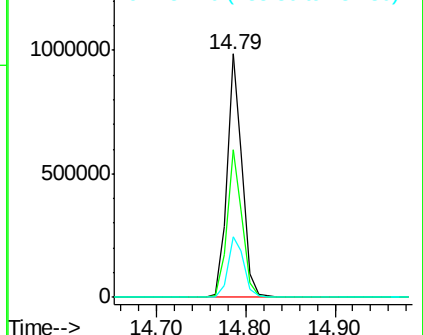
134 24.7 12.4 37.0



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: 49.114 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD061351.D

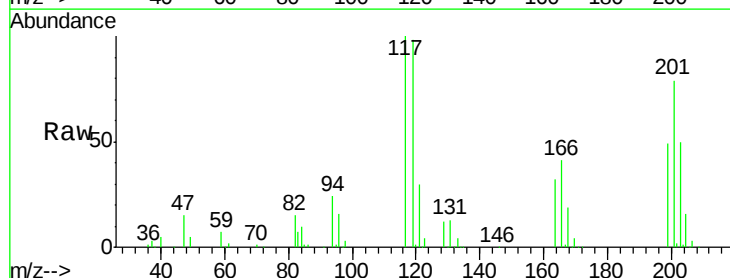
Acq: 27 Mar 2019 13:06

Tgt Ion: 117 Resp: 387998

Ion Ratio Lower Upper

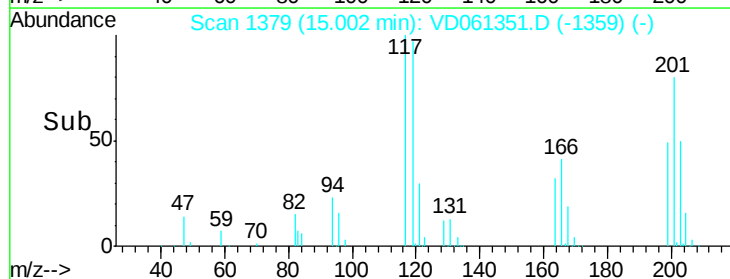
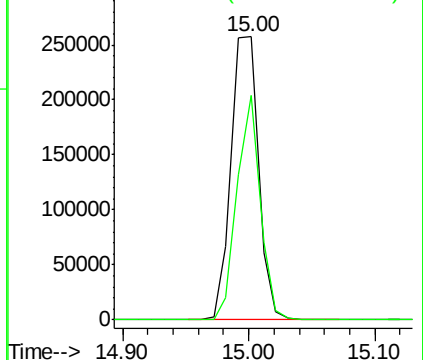
117 100

201 79.3 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: 44.918 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

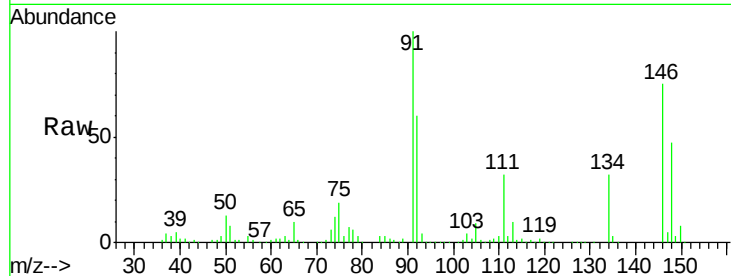
Tgt Ion:146 Resp: 593787

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

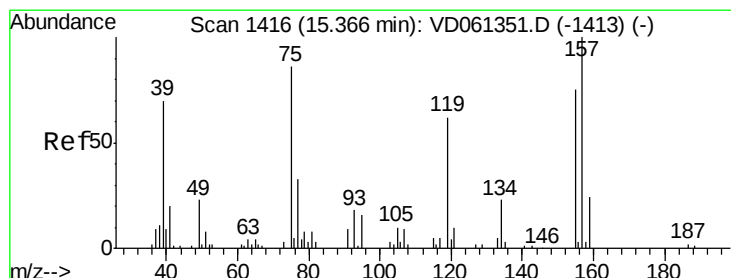
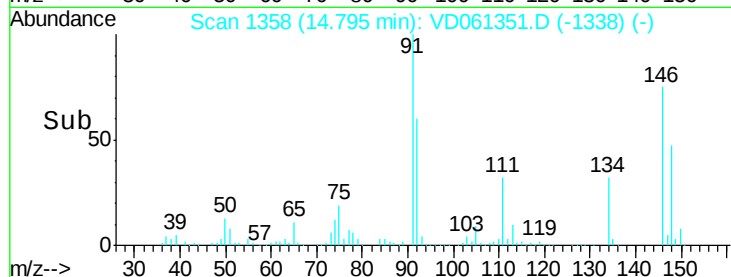
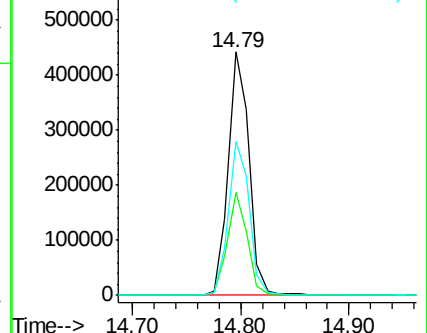
148 63.3 31.6 95.0



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: 47.490 ug/l

RT: 15.37 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VD061351.D

Acq: 27 Mar 2019 13:06

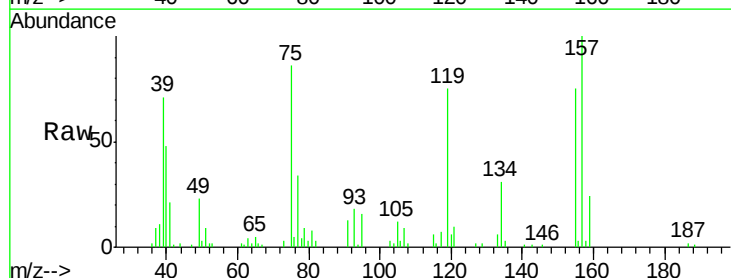
Tgt Ion: 75 Resp: 37720

Ion Ratio Lower Upper

75 100

155 87.3 43.6 130.9

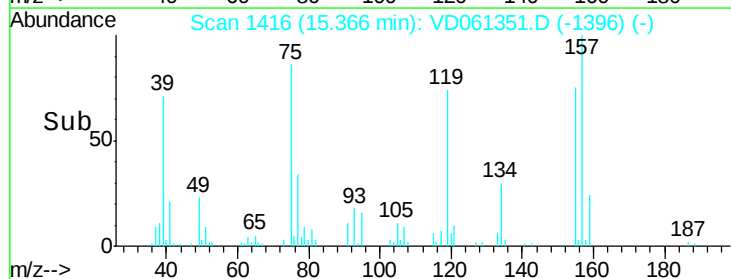
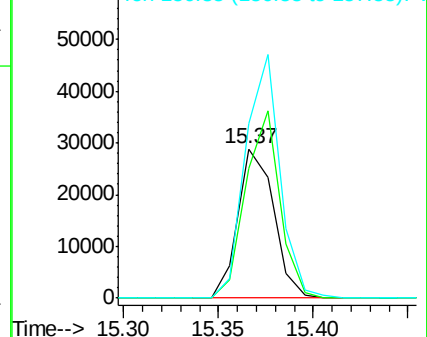
157 116.9 58.5 175.3

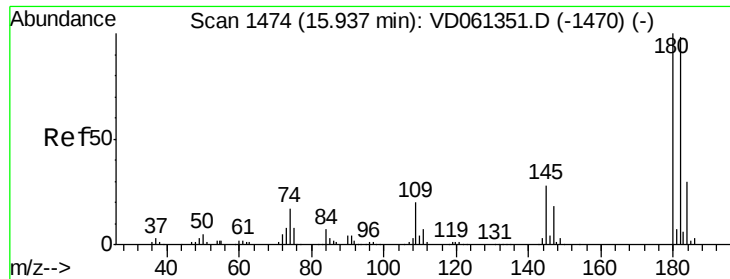


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

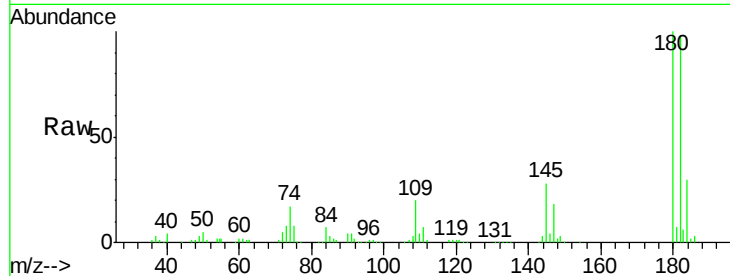




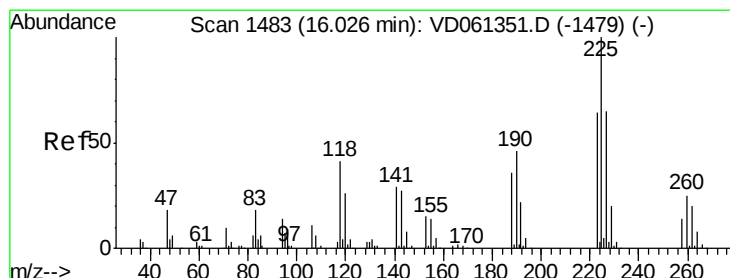
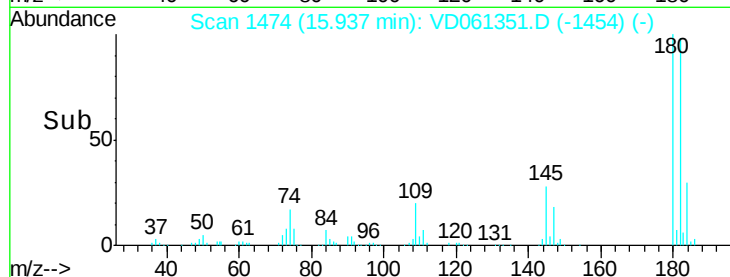
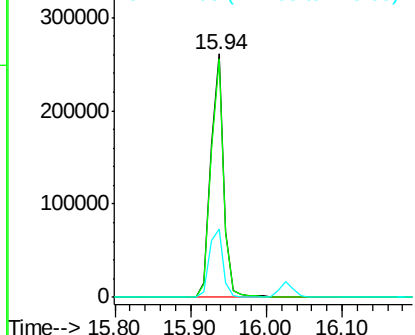
#93
 1,2,4-Trichlorobenzene
 Concen: 52.153 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 314064
 Ion Ratio Lower Upper
 180 100
 182 97.9 48.9 146.8
 145 28.2 14.1 42.3

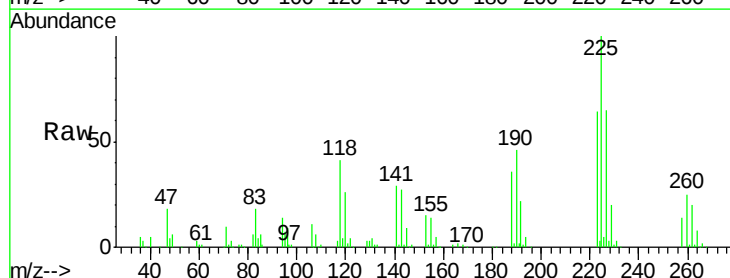


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

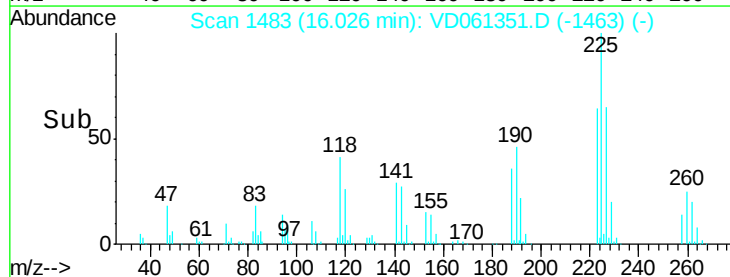
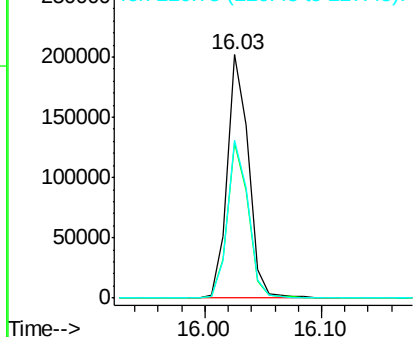


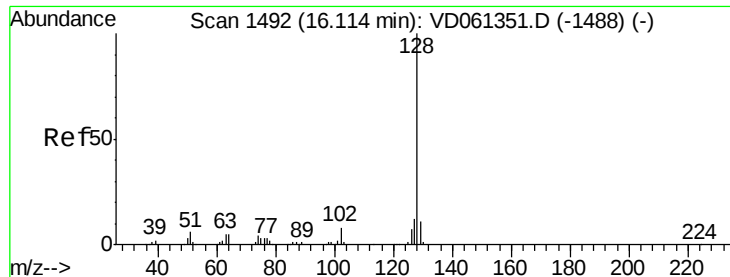
#94
 Hexachlorobutadiene
 Concen: 54.274 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: VD061351.D
 Acq: 27 Mar 2019 13:06

Tgt Ion:225 Resp: 255397
 Ion Ratio Lower Upper
 225 100
 223 64.0 32.0 96.0
 227 64.8 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

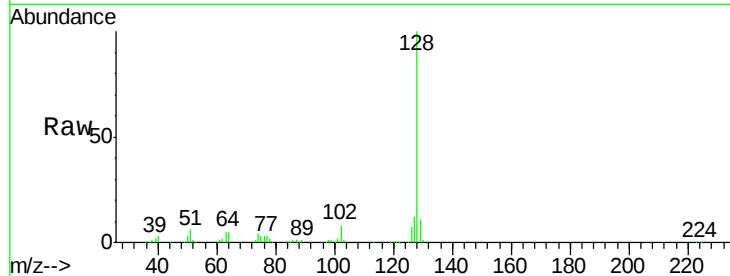




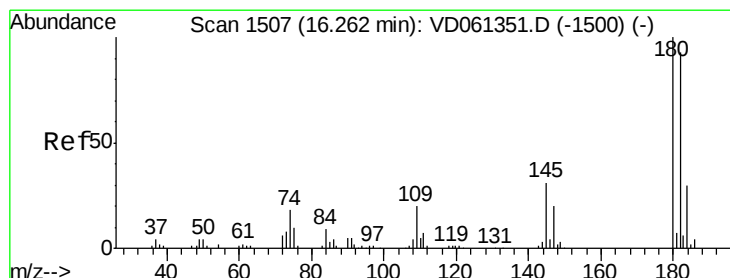
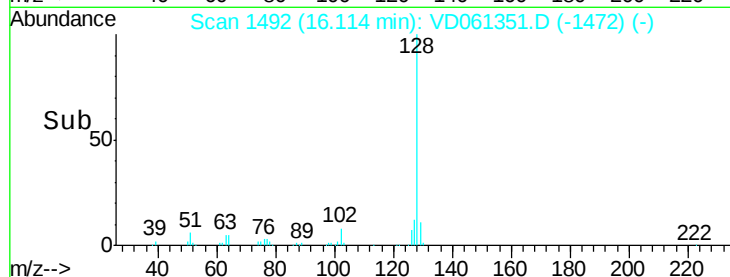
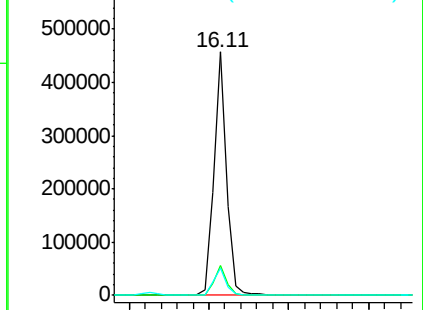
#95
Naphthalene
Concen: 55.561 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 509999
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 11.1 8.9 13.3

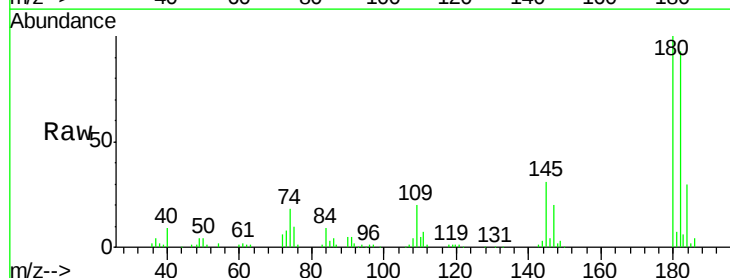


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 56.079 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VD061351.D
Acq: 27 Mar 2019 13:06

Tgt Ion:180 Resp: 148604
Ion Ratio Lower Upper
180 100
182 92.7 46.4 139.1
145 30.6 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

