

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050719\
 Data File : VD062140.D
 Acq On : 7 May 2019 13:34
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: May 07 14:03:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 13:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	888556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1257932	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1038983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	526095	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	621564	73.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.94%	
35) Dibromofluoromethane	6.90	113	821427	72.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.38%	
50) Toluene-d8	10.39	98	1925785	68.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.92%	
62) 4-Bromofluorobenzene	13.55	95	789847	70.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.20%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.56	85	615936	71.646	ug/l 98
3) Chloromethane	1.73	50	445402	75.855	ug/l 96
4) Vinyl Chloride	1.84	62	451017	71.622	ug/l 99
5) Bromomethane	2.13	94	105958	70.245	ug/l 99
6) Chloroethane	2.24	64	205338	74.297	ug/l 99
7) Trichlorofluoromethane	2.51	101	860393	72.106	ug/l 98
8) Diethyl Ether	2.85	74	169236	73.646	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	3.13	101	620701	67.109	ug/l 96
10) Methyl Iodide	3.29	142	1007239	73.872	ug/l 95
11) Tert butyl alcohol	4.04	59	161239	394.531	ug/l 97
12) 1,1-Dichloroethene	3.11	96	492247	66.794	ug/l 95
13) Acrolein	3.01	56	145522	347.930	ug/l 99
14) Allyl chloride	3.60	41	716663	69.650	ug/l 88
15) Acrylonitrile	4.17	53	425072	390.095	ug/l 89
16) Acetone	3.20	43	616016	346.690	ug/l 92
17) Carbon Disulfide	3.35	76	1519541	75.270	ug/l 100
18) Methyl Acetate	3.62	43	218758	72.632	ug/l 92
19) Methyl tert-butyl Ether	4.21	73	1127172	76.789	ug/l 97
20) Methylene Chloride	3.80	84	516302	73.483	ug/l 97
21) trans-1,2-Dichloroethene	4.19	96	604690	75.475	ug/l 96
22) Diisopropyl ether	5.09	45	1570441	74.712	ug/l 97
23) Vinyl Acetate	5.03	43	4366870	379.803	ug/l 99
24) 1,1-Dichloroethane	4.96	63	962562	77.966	ug/l 99
25) 2-Butanone	6.04	43	723585	398.442	ug/l 98
26) 2,2-Dichloropropane	6.00	77	947782	77.506	ug/l 98
27) cis-1,2-Dichloroethene	6.01	96	662458	80.182	ug/l 97
28) Bromochloromethane	6.42	49	379772	77.314	ug/l 92
29) Tetrahydrofuran	6.43	42	321319	396.281	ug/l 96
30) Chloroform	6.64	83	1163430	76.272	ug/l 98
31) Cyclohexane	6.93	56	688112	77.158	ug/l 100
32) 1,1,1-Trichloroethane	6.85	97	1137371	77.038	ug/l 99
36) 1,1-Dichloropropene	7.12	75	764956	72.946	ug/l 100
37) Ethyl Acetate	6.16	43	324857	71.455	ug/l # 93
38) Carbon Tetrachloride	7.09	117	1084780	72.961	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	780360	74.026	ug/l	93
40) Benzene	7.43	78	1709096	71.868	ug/l	97
41) Methacrylonitrile	6.42	41	394433	73.848	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	750521	73.989	ug/l	97
43) Isopropyl Acetate	9.22	43	471516	74.536	ug/l #	98
44) Trichloroethene	8.52	130	679466	72.676	ug/l	95
45) 1,2-Dichloropropane	8.91	63	435967	74.056	ug/l	100
46) Dibromomethane	9.04	93	358505	74.210	ug/l	90
47) Bromodichloromethane	9.36	83	899010	76.222	ug/l	98
48) Methyl methacrylate	9.10	41	284192	74.564	ug/l	92
49) 1,4-Dioxane	9.06	88	61856	1491.047	ug/l	97
51) 4-Methyl-2-Pentanone	10.28	43	1475917	374.437	ug/l	97
52) Toluene	10.49	92	1133522	72.423	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	776950	75.162	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	811162	69.936	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	397719	69.252	ug/l	95
56) Ethyl methacrylate	11.02	69	431222	72.071	ug/l #	87
57) 1,3-Dichloropropane	11.39	76	609257	68.535	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	1152643	360.818	ug/l	99
59) 2-Hexanone	11.52	43	1112924	375.690	ug/l	96
60) Dibromochloromethane	11.67	129	691894	71.373	ug/l	100
61) 1,2-Dibromoethane	11.79	107	470060	71.215	ug/l	96
64) Tetrachloroethene	11.24	164	590006	69.800	ug/l	96
65) Chlorobenzene	12.39	112	1364265	71.535	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	598334	66.314	ug/l	95
67) Ethyl Benzene	12.52	91	2165325	63.139	ug/l	100
68) m/p-Xylenes	12.65	106	1688988	130.923	ug/l	100
69) o-Xylene	13.04	106	806778	69.672	ug/l	96
70) Styrene	13.06	104	1352363	71.437	ug/l	97
71) Bromoform	13.22	173	440776	70.424	ug/l #	98
73) Isopropylbenzene	13.39	105	2164754	68.978	ug/l	98
74) N-amyl acetate	13.25	43	646572	79.744	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	463554	82.400	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	465037	80.084	ug/l	99
77) Bromobenzene	13.66	156	702674	85.993	ug/l	92
78) n-propylbenzene	13.77	91	2784813	78.378	ug/l	100
79) 2-Chlorotoluene	13.84	91	1663797	79.298	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	2001394	77.742	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	140154	77.433	ug/l #	85
82) 4-Chlorotoluene	13.93	91	1826258	73.727	ug/l	85
83) tert-Butylbenzene	14.18	119	2090780	70.032	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	1852877	71.445	ug/l	95
85) sec-Butylbenzene	14.36	105	2413872	75.536	ug/l	98
86) p-Isopropyltoluene	14.48	119	2009621	65.929	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	1216805	77.375	ug/l	100
88) 1,4-Dichlorobenzene	14.52	146	1138607	76.359	ug/l	99
89) n-Butylbenzene	14.79	91	1786875	72.398	ug/l	97
90) Hexachloroethane	15.00	117	604373	76.079	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	914279	74.550	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	77081	81.164	ug/l	87

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Quant Title : SW846 8260
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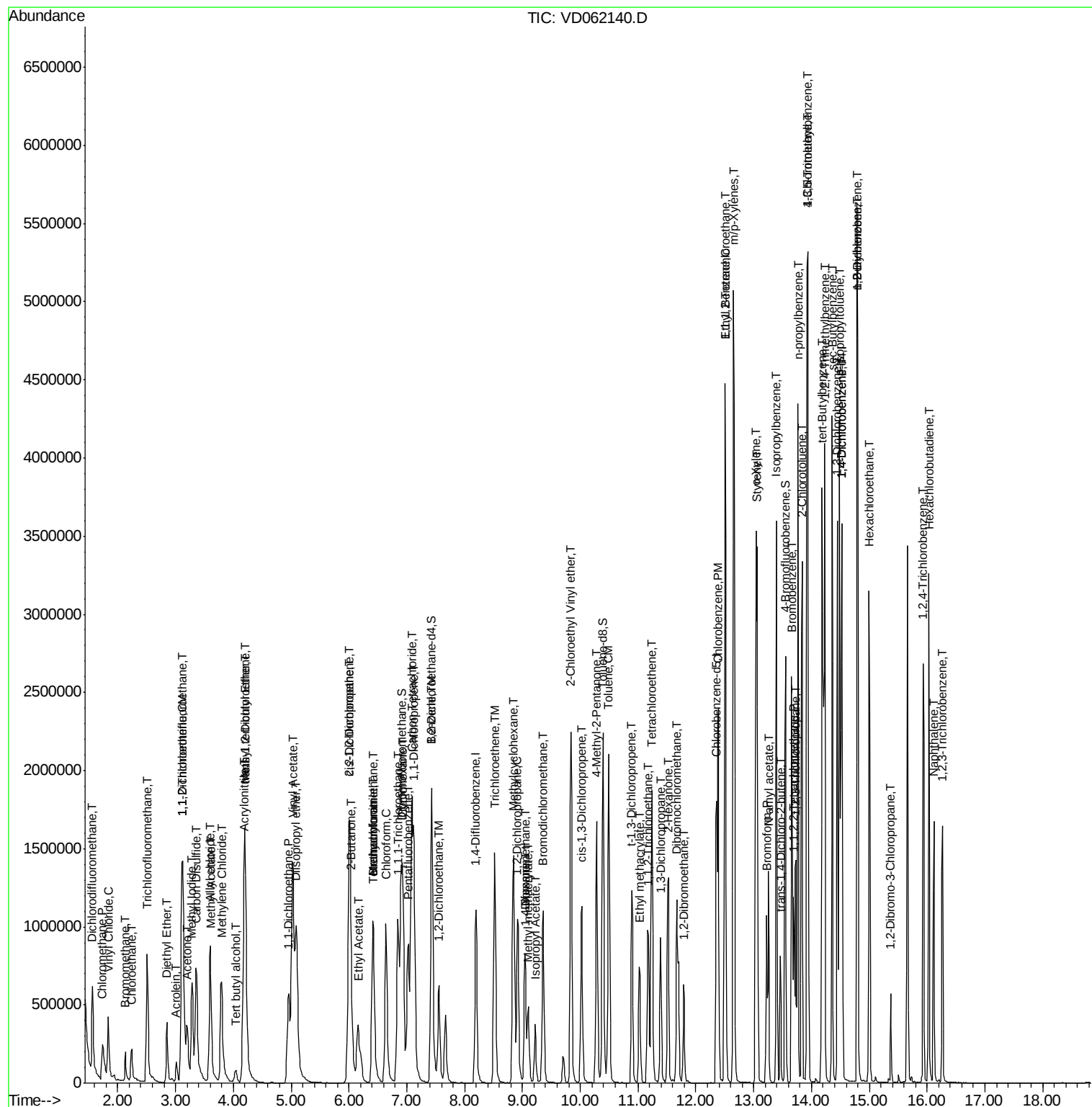
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	742495	83.058	ug/l	95
94) Hexachlorobutadiene	16.03	225	544207	78.562	ug/l	99
95) Naphthalene	16.12	128	1060814	79.277	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	462731	78.432	ug/l	94

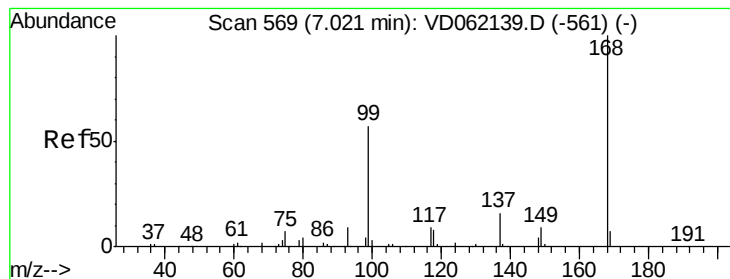
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD050719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

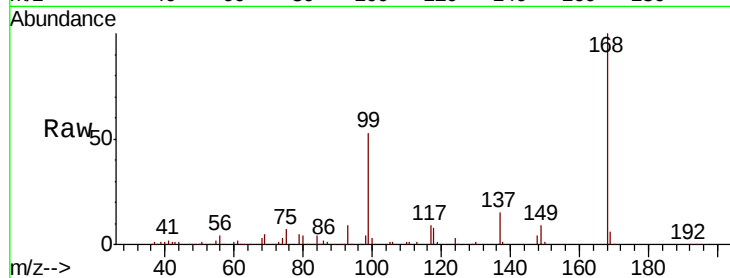
VSTDIC075

Tgt Ion:168 Resp: 888556

Ion Ratio Lower Upper

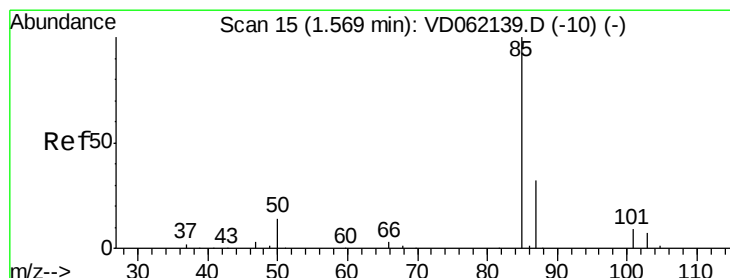
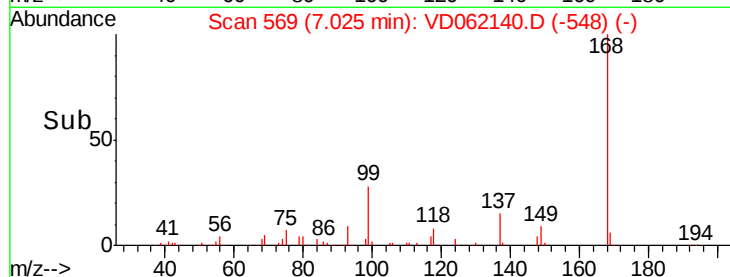
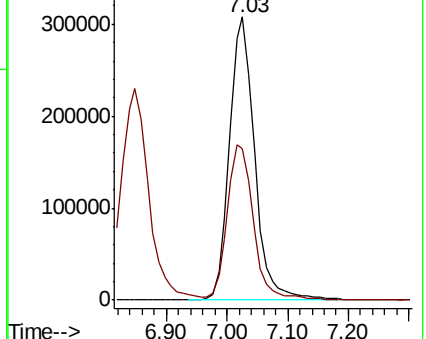
168 100

99 53.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 71.646 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062140.D

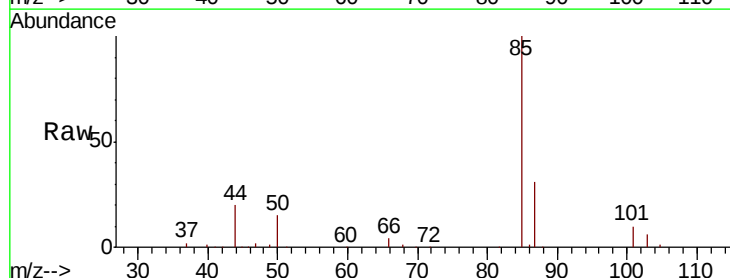
Acq: 7 May 2019 13:34

Tgt Ion: 85 Resp: 615936

Ion Ratio Lower Upper

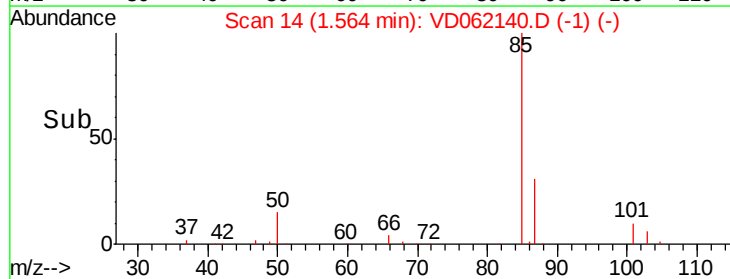
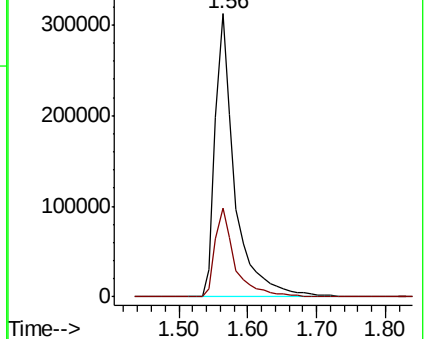
85 100

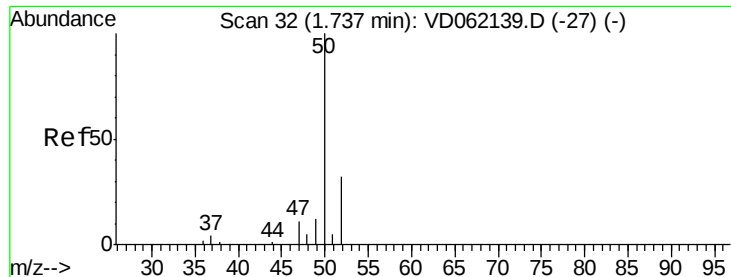
87 31.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 75.855 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

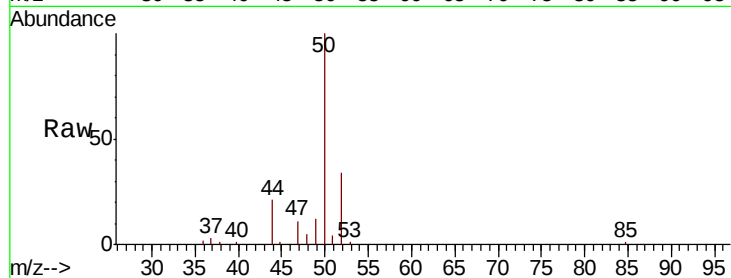
VSTDIC075

Tgt Ion: 50 Resp: 445402

Ion Ratio Lower Upper

50 100

52 33.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.73

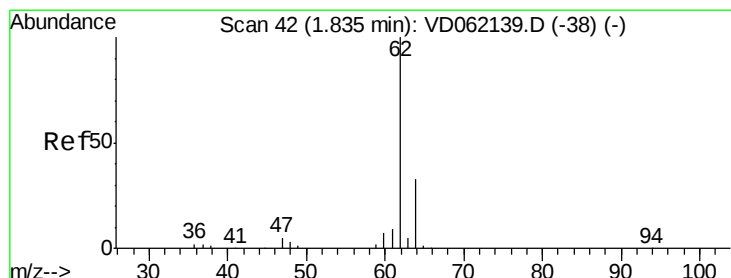
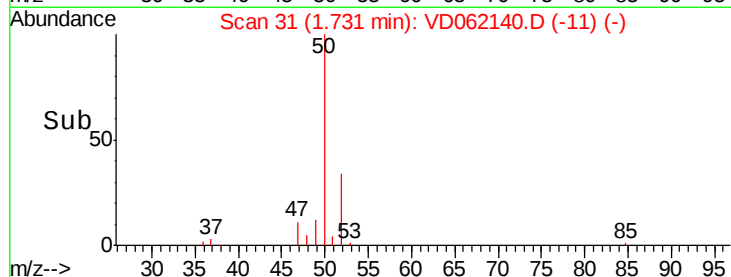
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 71.622 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062140.D

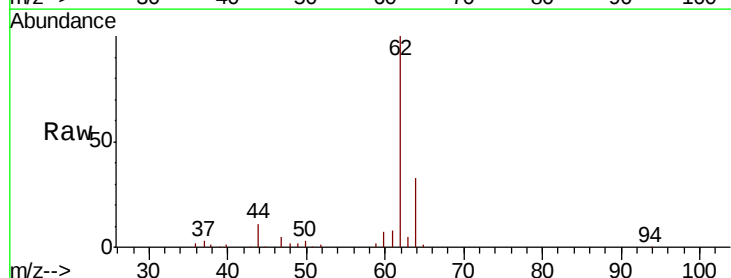
Acq: 7 May 2019 13:34

Tgt Ion: 62 Resp: 451017

Ion Ratio Lower Upper

62 100

64 33.5 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

250000

200000

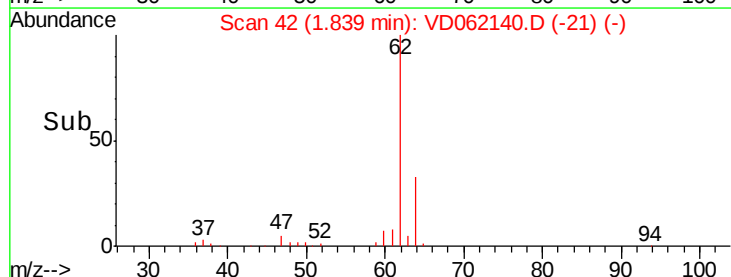
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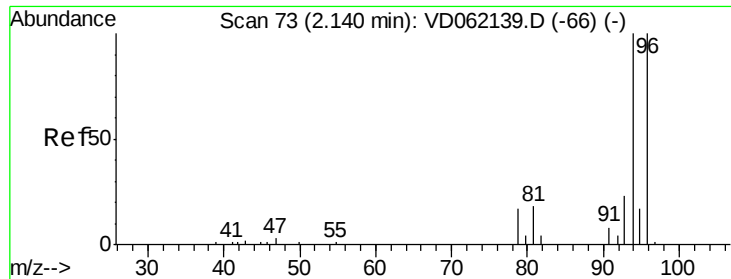
100000

50000

0

Time-->





#5

Bromomethane

Concen: 70.245 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

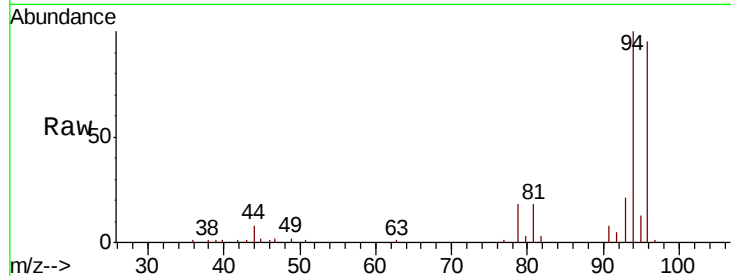
Tgt Ion: 94 Resp: 105958

Ion Ratio Lower Upper

94 100

96 95.1 76.6 115.0

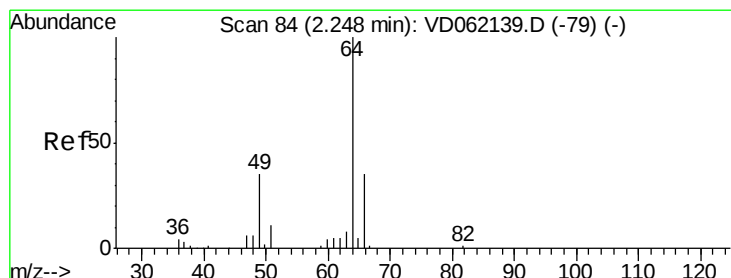
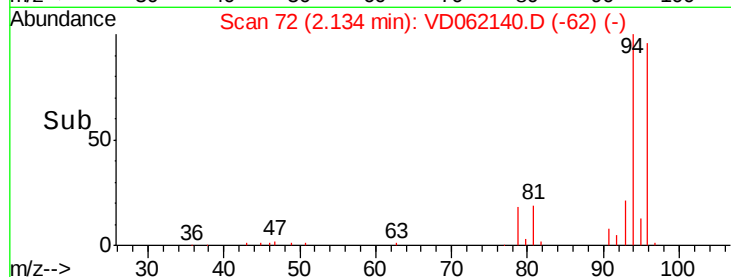
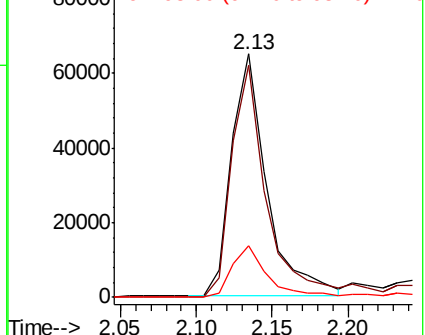
93 21.3 18.5 27.7



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: 74.297 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.01 min

Lab File: VD062140.D

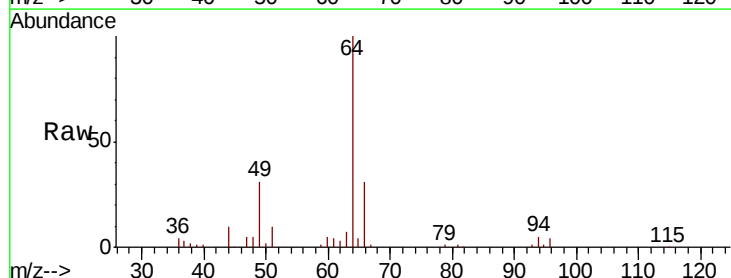
Acq: 7 May 2019 13:34

Tgt Ion: 64 Resp: 205338

Ion Ratio Lower Upper

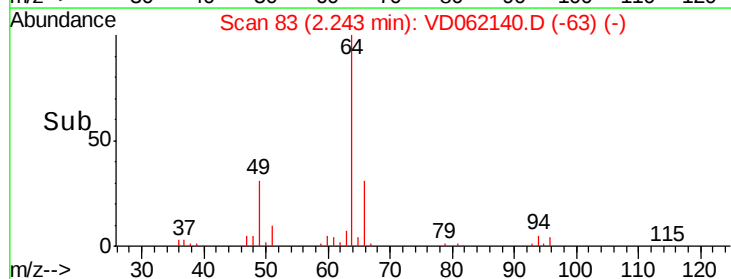
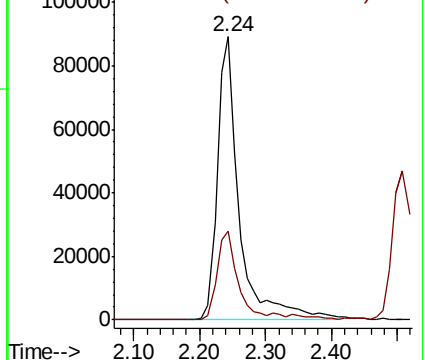
64 100

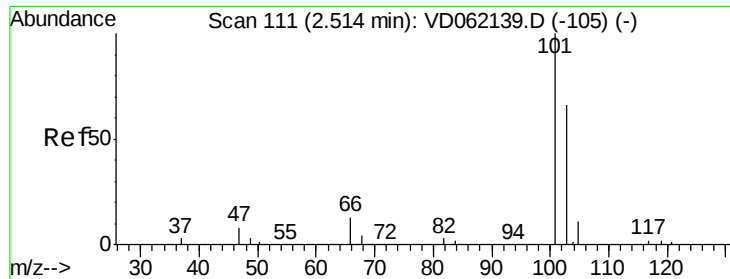
66 31.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



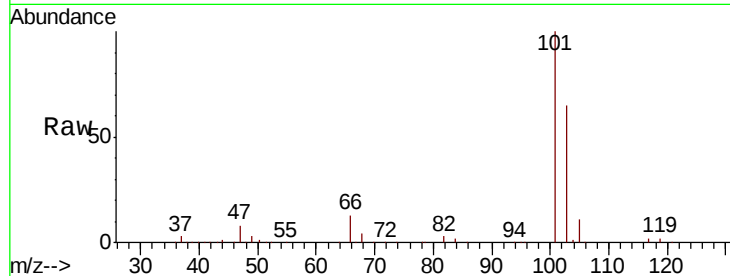


#7

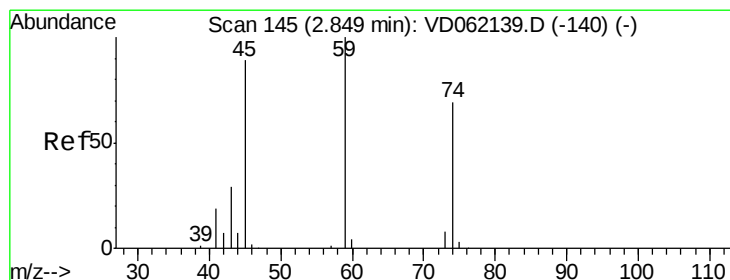
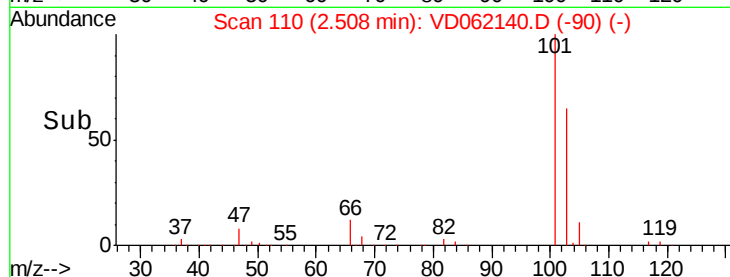
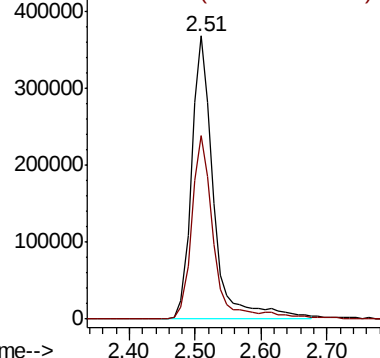
Trichlorofluoromethane
Concen: 72.106 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
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VSTDIC075

Tgt Ion: 101 Resp: 860393
Ion Ratio Lower Upper
101 100
103 65.0 53.6 80.4



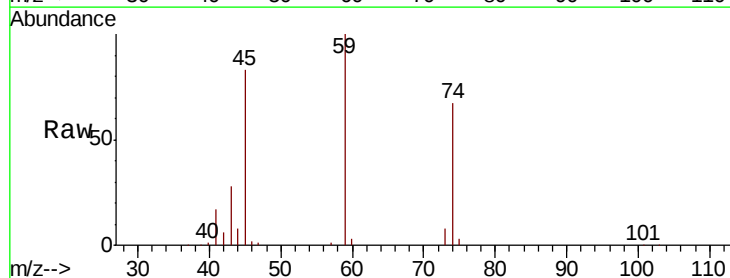
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



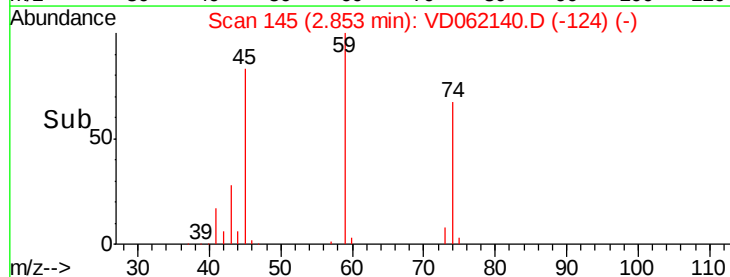
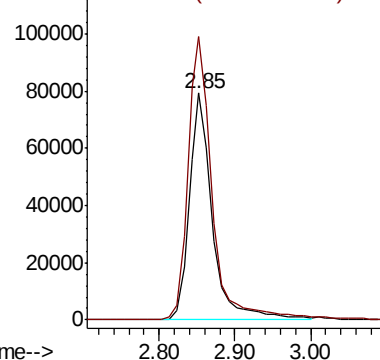
#8

Diethyl Ether
Concen: 73.646 ug/l
RT: 2.85 min Scan# 145
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 74 Resp: 169236
Ion Ratio Lower Upper
74 100
45 124.8 56.9 170.7



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: 67.109 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

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VSTDIC075

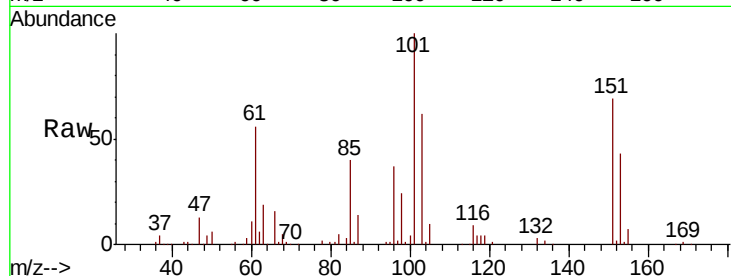
Tgt Ion:101 Resp: 620701

Ion Ratio Lower Upper

101 100

85 40.4 32.4 48.6

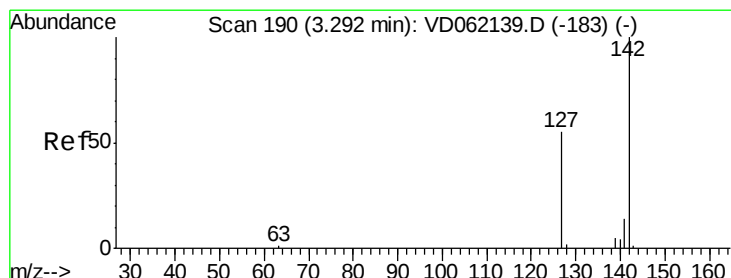
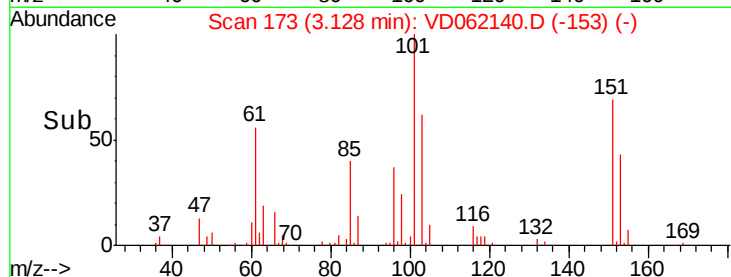
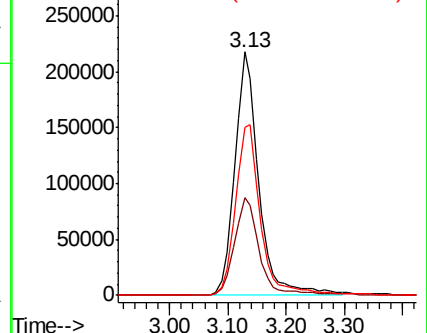
151 68.9 59.4 89.0



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: 73.872 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

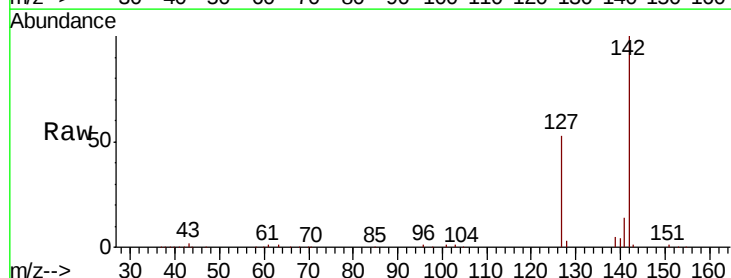
Tgt Ion:142 Resp: 1007239

Ion Ratio Lower Upper

142 100

127 53.1 38.8 58.2

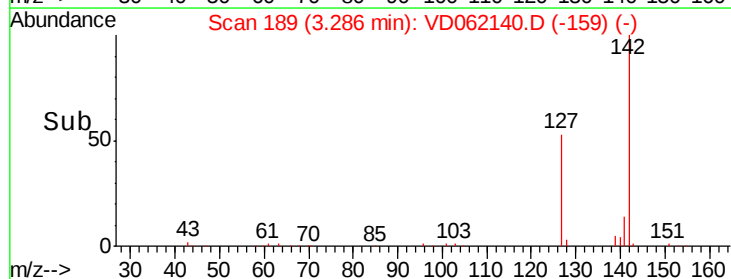
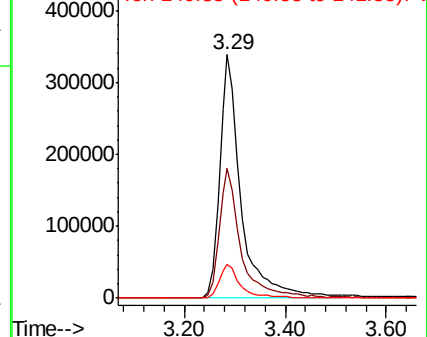
141 13.9 11.4 17.0

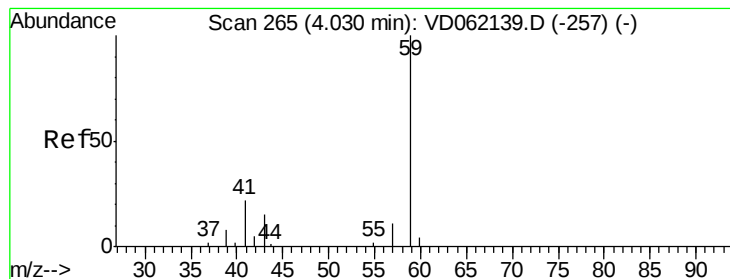


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



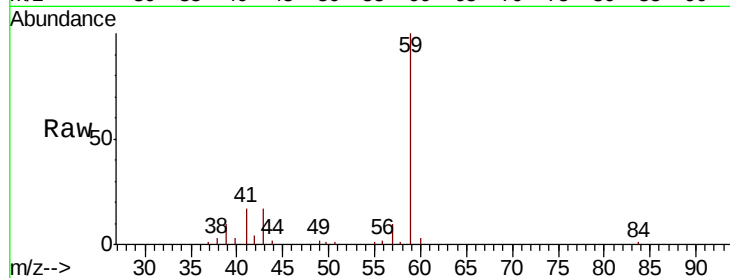


#11

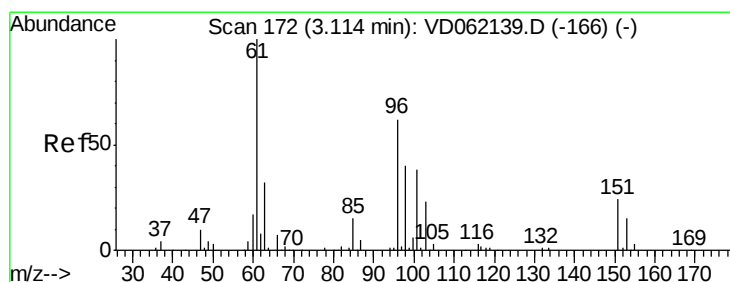
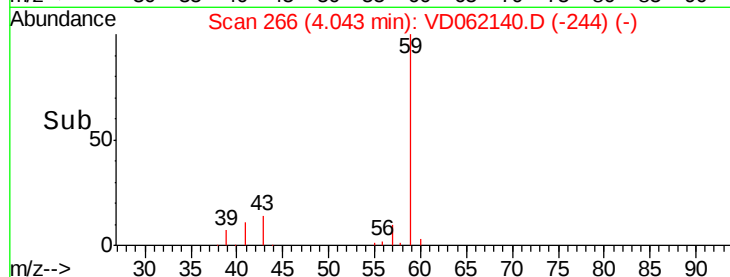
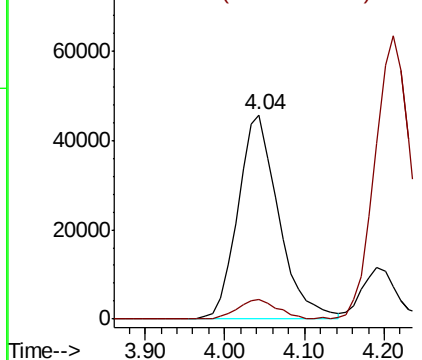
Tert butyl alcohol
 Concen: 394.531 ug/l
 RT: 4.04 min Scan# 266
 Delta R.T. 0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 59 Resp: 161239
 Ion Ratio Lower Upper
 59 100
 57 9.7 6.9 10.3



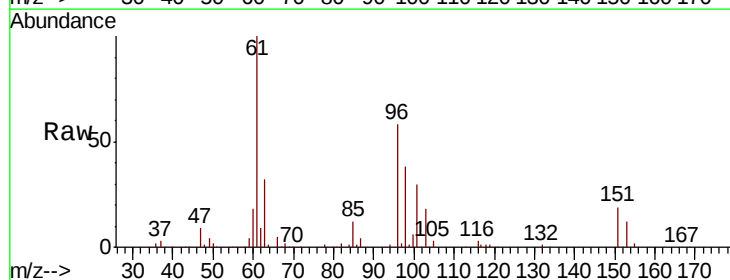
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



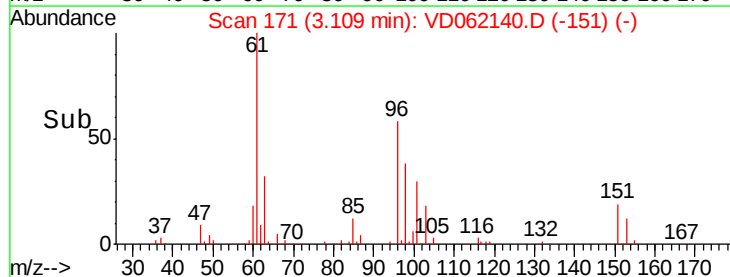
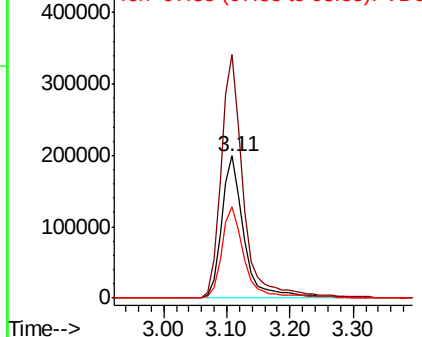
#12

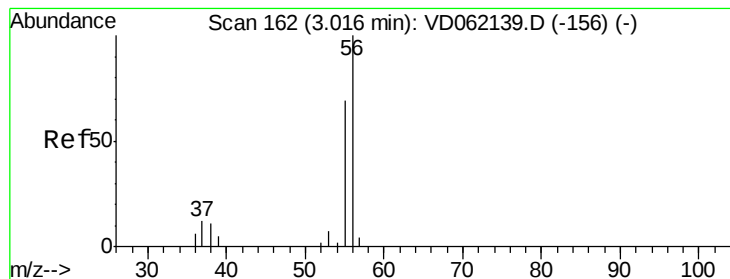
1,1-Dichloroethene
 Concen: 66.794 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion: 96 Resp: 492247
 Ion Ratio Lower Upper
 96 100
 61 171.3 129.8 194.8
 98 64.4 51.2 76.8



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





#13

Acrolein

Concen: 347.930 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

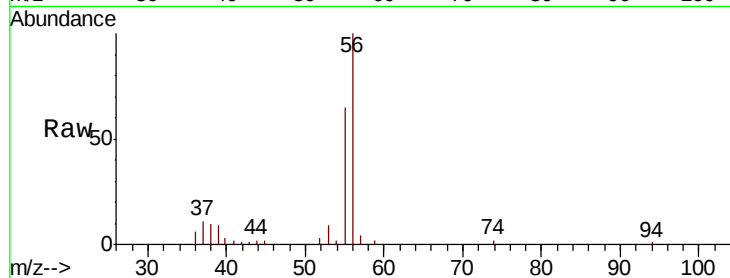
VSTDIC075

Tgt Ion: 56 Resp: 145522

Ion Ratio Lower Upper

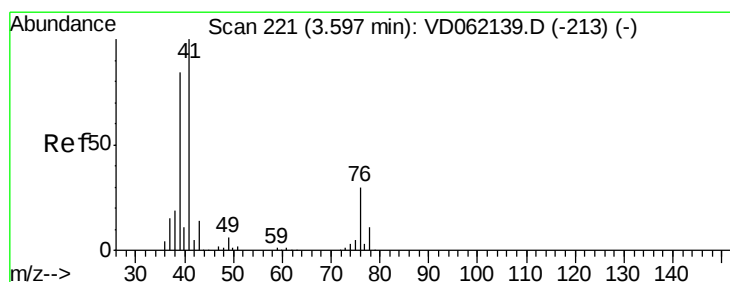
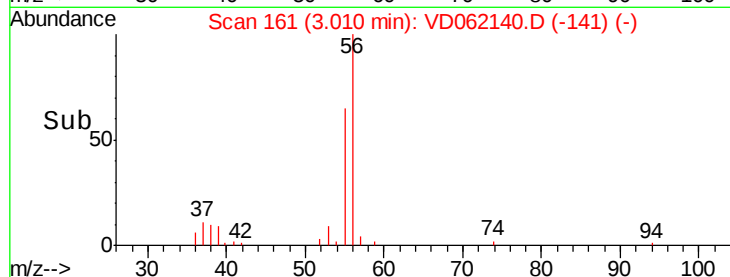
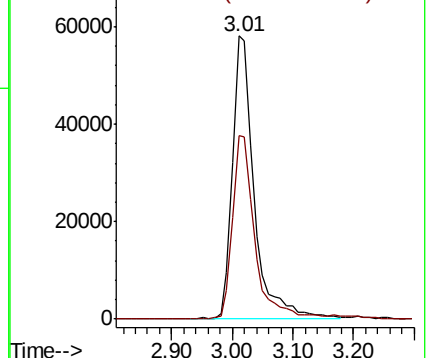
56 100

55 65.0 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 69.650 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

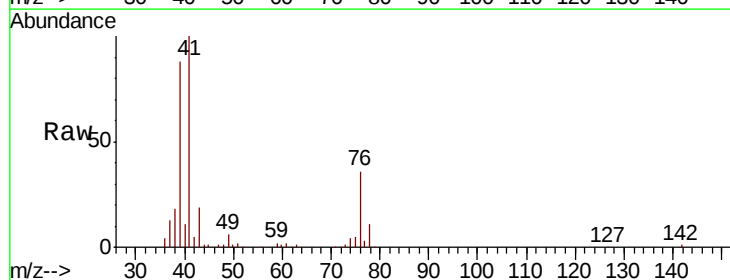
Tgt Ion: 41 Resp: 716663

Ion Ratio Lower Upper

41 100

39 88.2 60.5 90.7

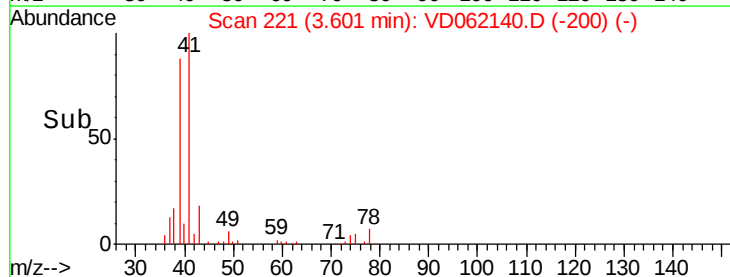
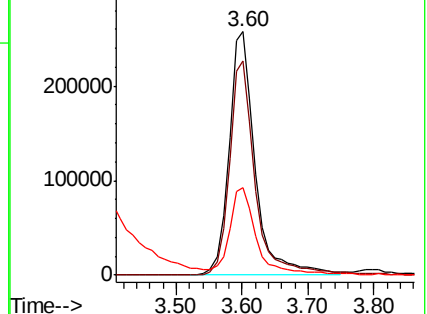
76 35.9 31.8 47.8



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: 390.095 ug/l

RT: 4.17 min Scan# 279

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

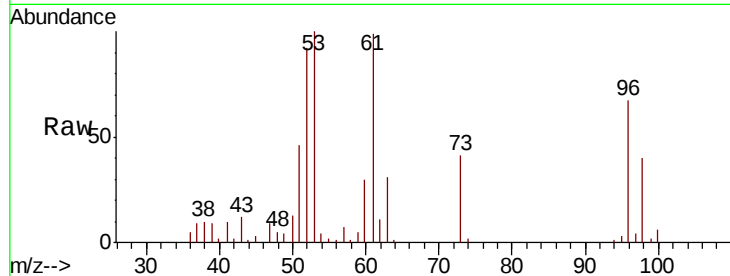
Tgt Ion: 53 Resp: 425072

Ion Ratio Lower Upper

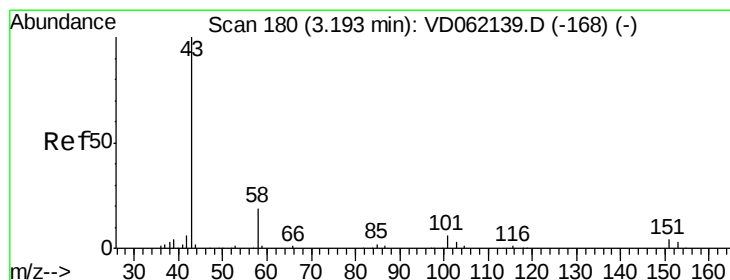
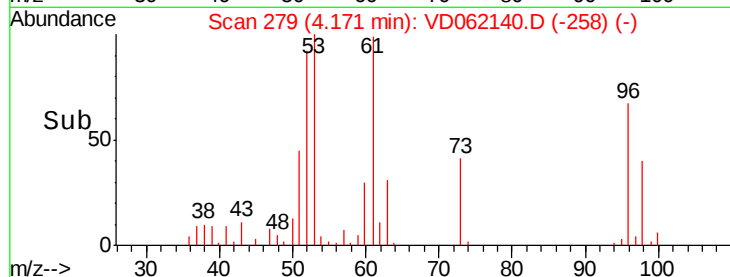
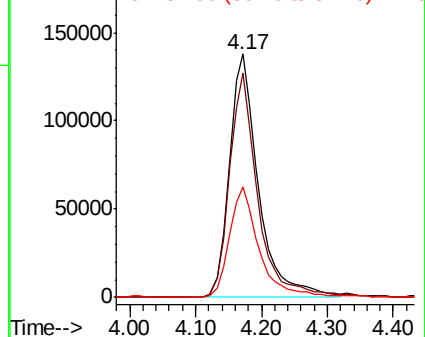
53 100

52 92.1 65.0 97.4

51 45.5 32.6 48.8



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: 346.690 ug/l

RT: 3.20 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD062140.D

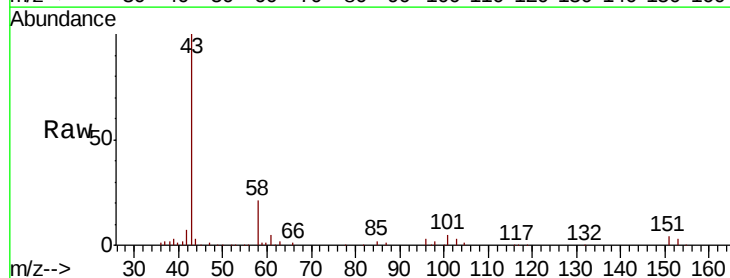
Acq: 7 May 2019 13:34

Tgt Ion: 43 Resp: 616016

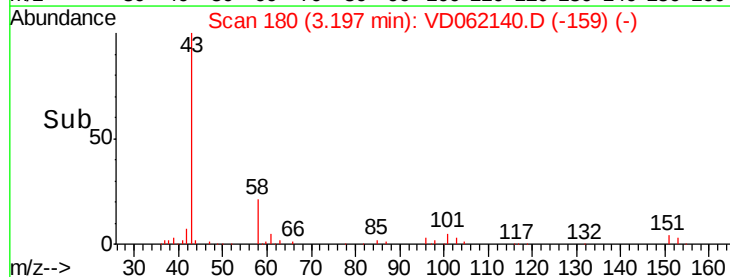
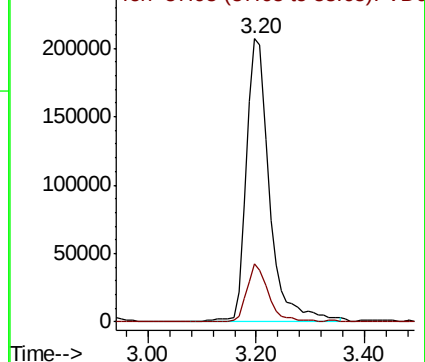
Ion Ratio Lower Upper

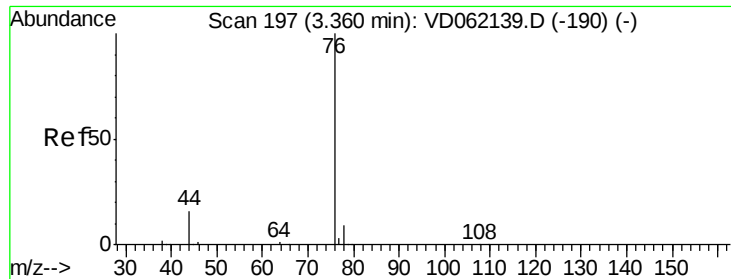
43 100

58 20.7 19.9 29.9



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

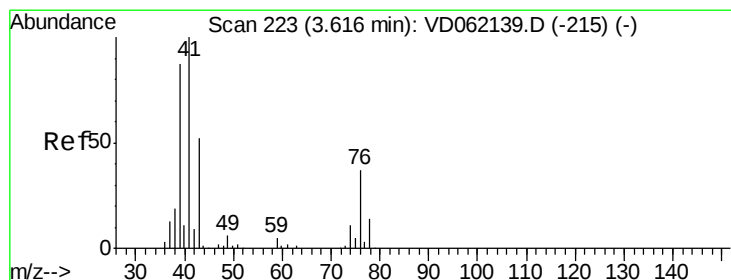
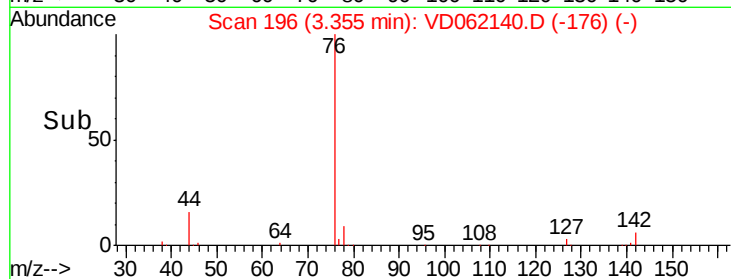
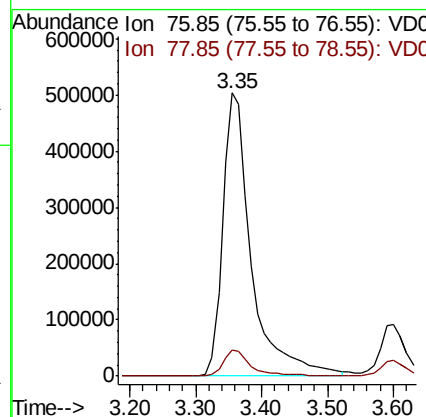
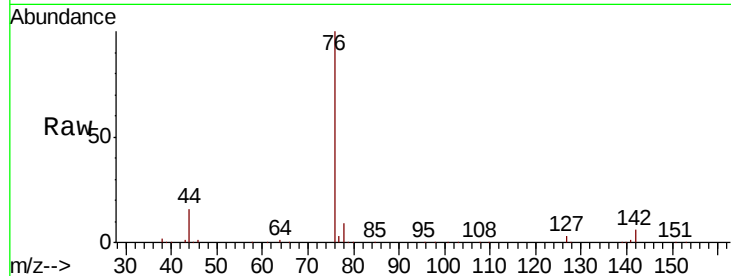




#17
Carbon Disulfide
Concen: 75.270 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

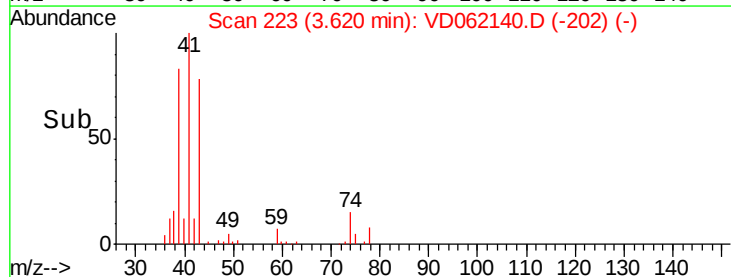
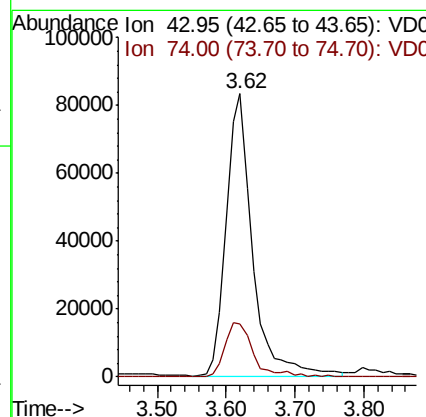
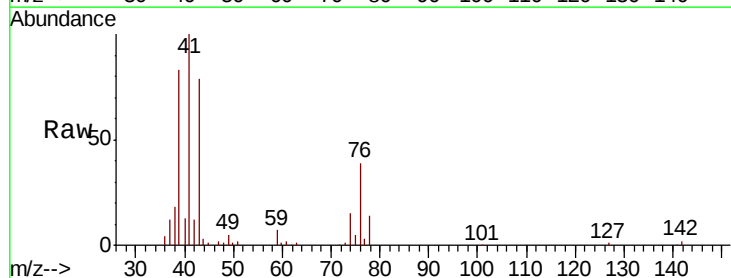
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

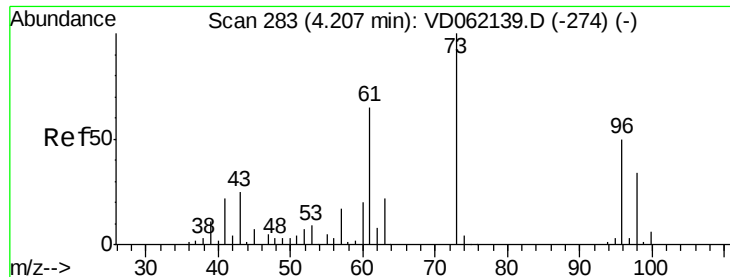
Tgt Ion: 76 Resp: 1519541
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 72.632 ug/l
RT: 3.62 min Scan# 223
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 43 Resp: 218758
Ion Ratio Lower Upper
43 100
74 18.6 18.0 27.0

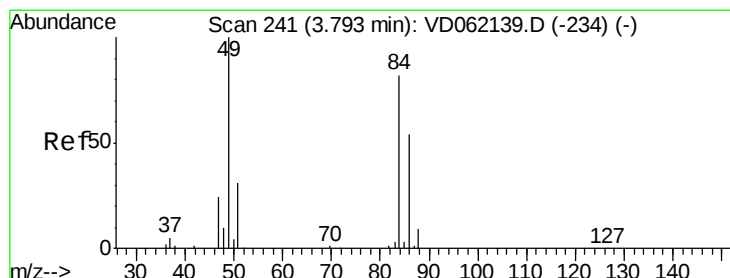
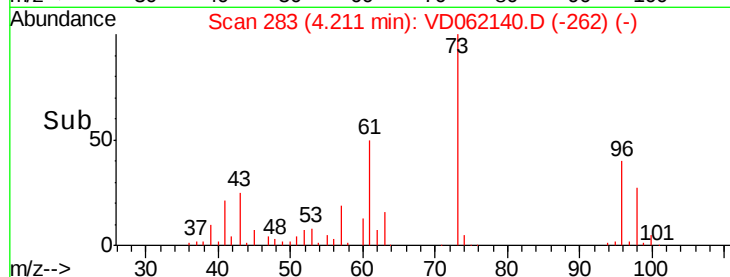
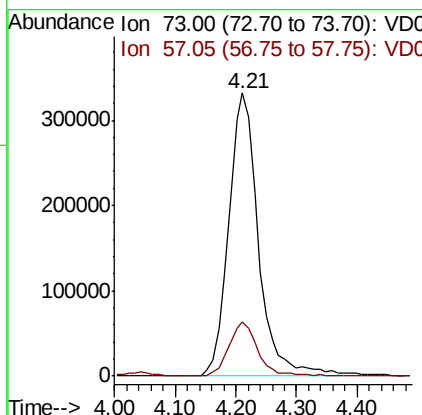
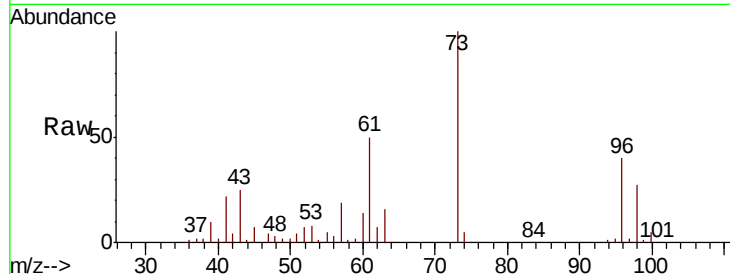




#19
Methyl tert-butyl Ether
Concen: 76.789 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

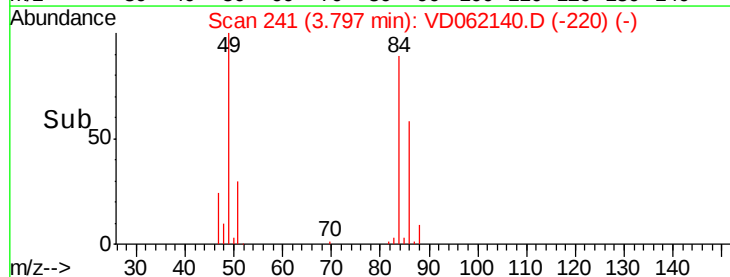
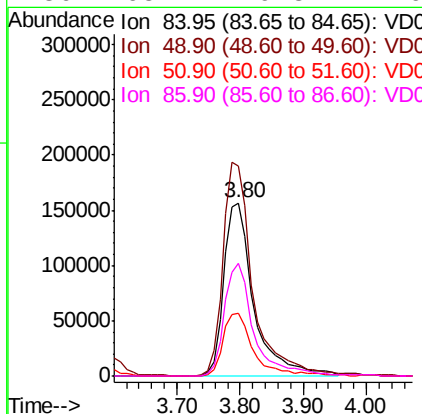
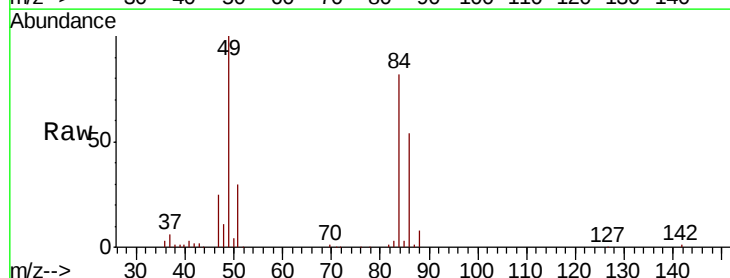
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 73 Resp: 1127172
Ion Ratio Lower Upper
73 100
57 19.1 16.3 24.5



#20
Methylene Chloride
Concen: 73.483 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 84 Resp: 516302
Ion Ratio Lower Upper
84 100
49 121.6 94.0 141.0
51 36.4 29.0 43.4
86 65.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 75.475 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

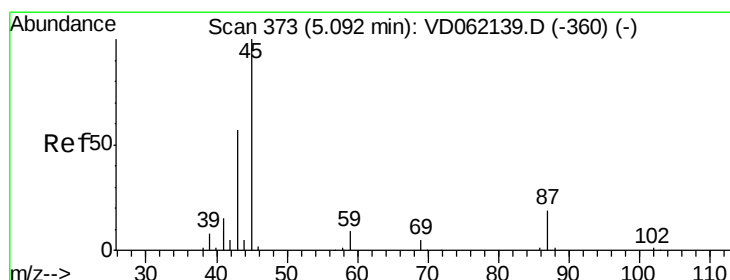
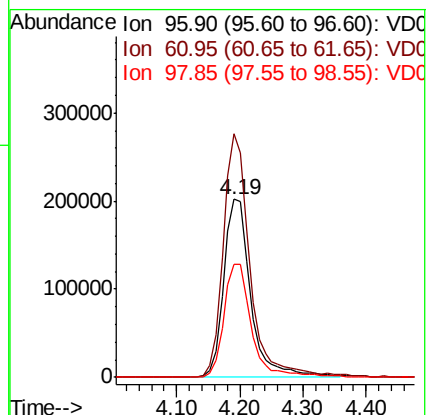
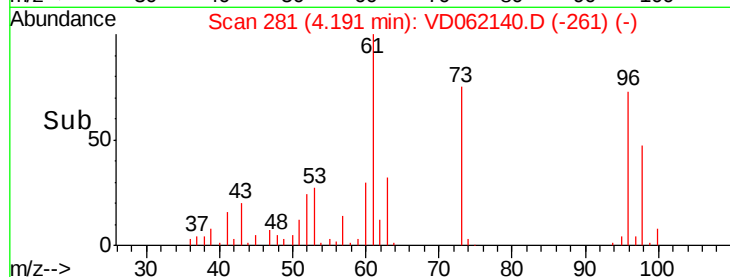
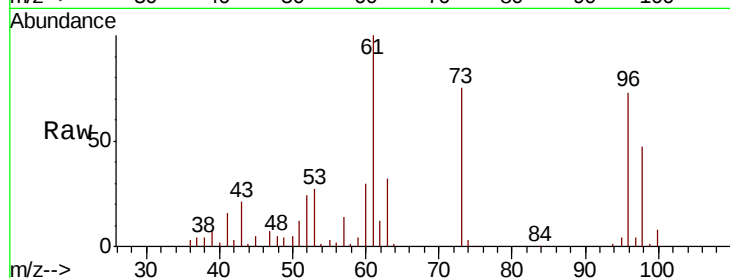
Tgt Ion: 96 Resp: 604690

Ion Ratio Lower Upper

96 100

61 136.7 104.4 156.6

98 63.7 51.8 77.8



#22

Diisopropyl ether

Concen: 74.712 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Tgt Ion: 45 Resp: 1570441

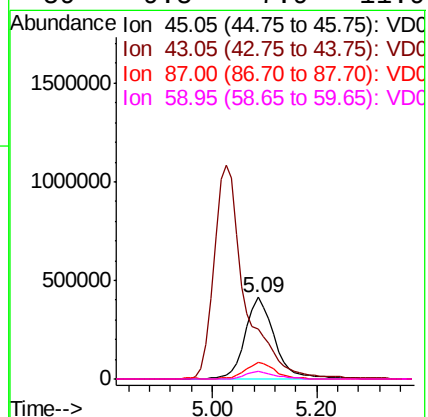
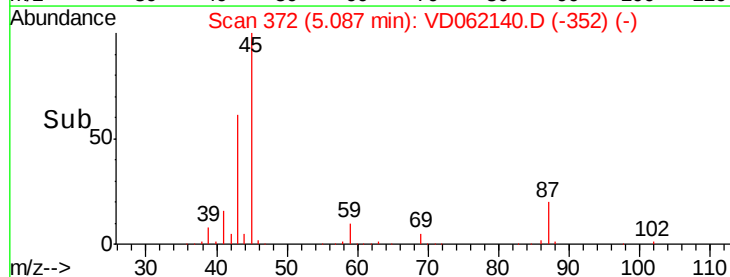
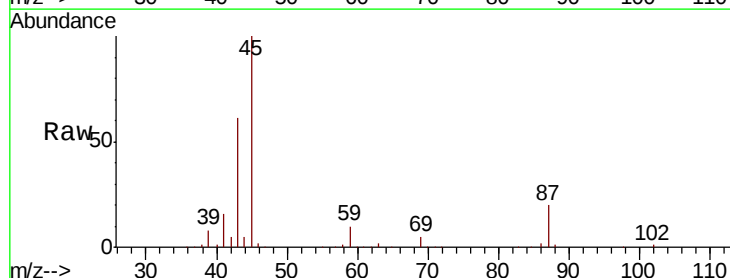
Ion Ratio Lower Upper

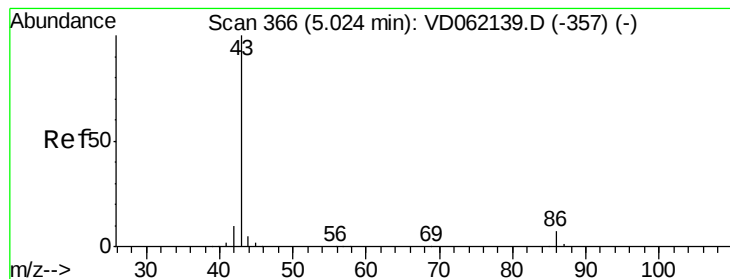
45 100

43 61.1 46.2 69.2

87 20.3 15.9 23.9

59 9.5 7.9 11.9





#23

Vinyl Acetate

Concen: 379.803 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

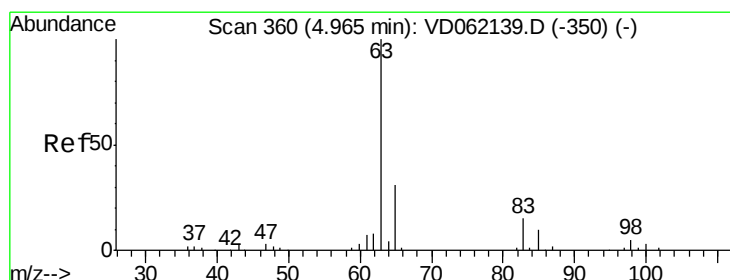
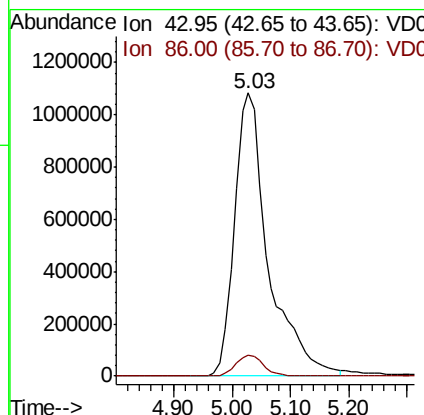
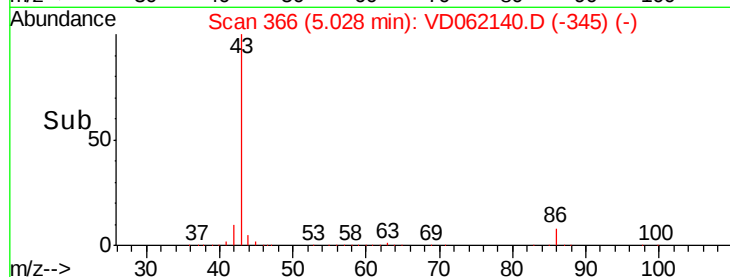
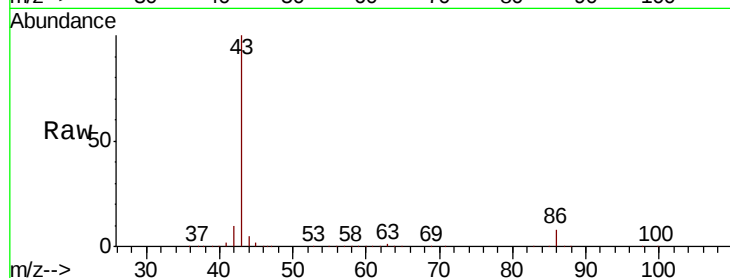
VSTDIC075

Tgt Ion: 43 Resp: 4366870

Ion Ratio Lower Upper

43 100

86 7.5 6.4 9.6



#24

1,1-Dichloroethane

Concen: 77.966 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

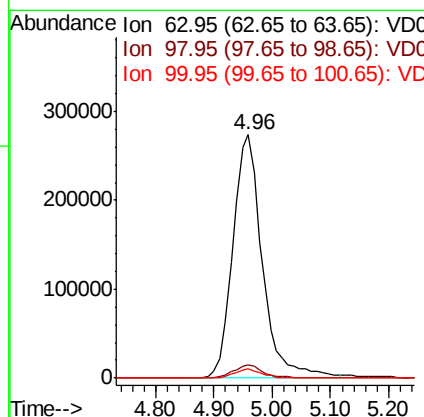
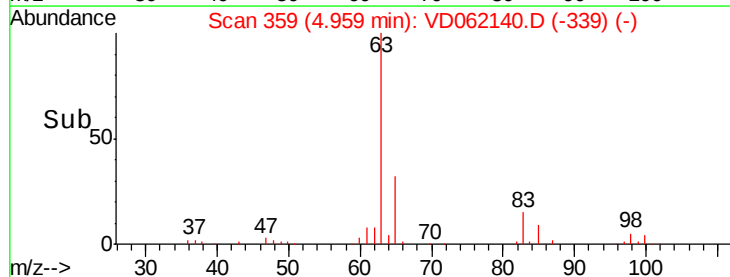
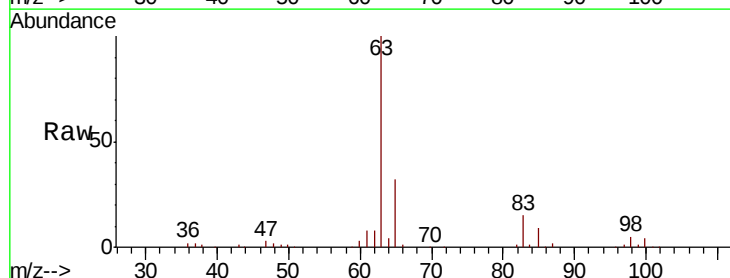
Tgt Ion: 63 Resp: 962562

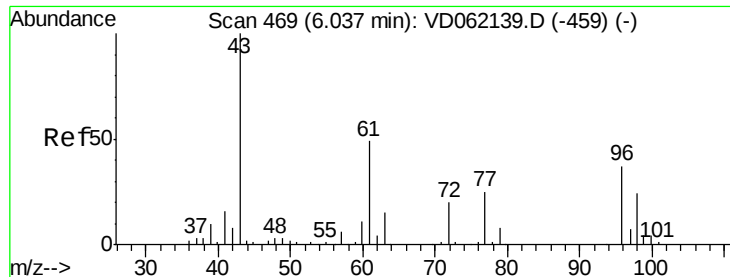
Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.4

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 398.442 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

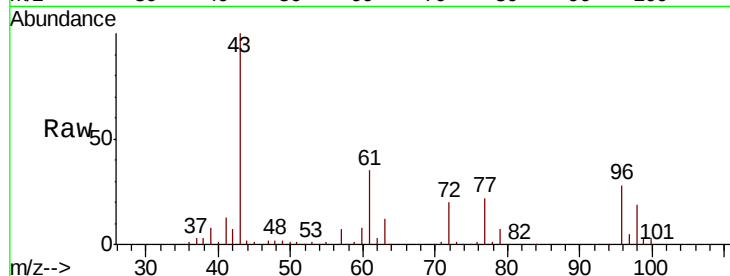
VSTDIC075

Tgt Ion: 43 Resp: 723585

Ion Ratio Lower Upper

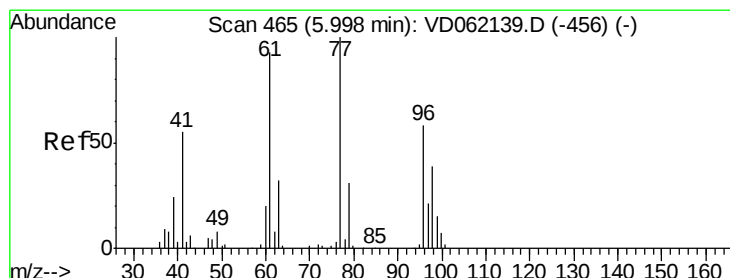
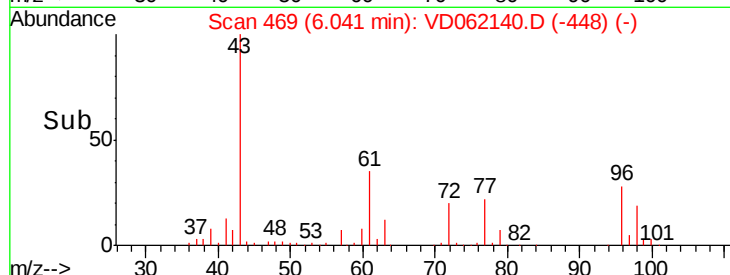
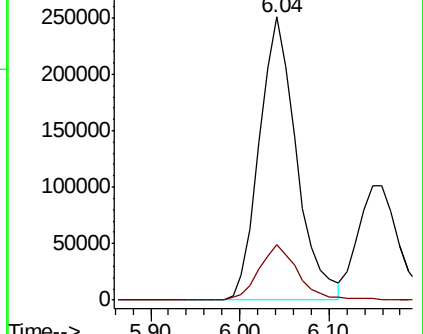
43 100

72 19.6 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 77.506 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD062140.D

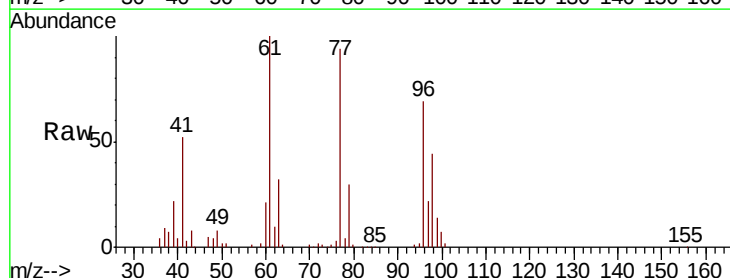
Acq: 7 May 2019 13:34

Tgt Ion: 77 Resp: 947782

Ion Ratio Lower Upper

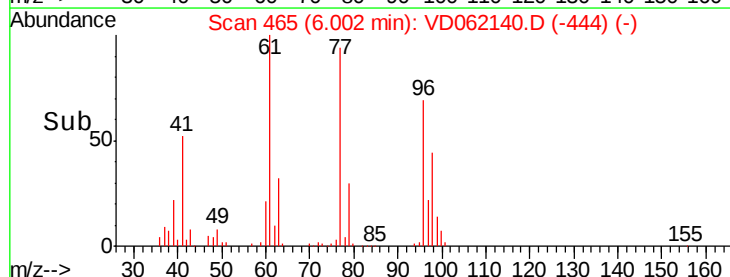
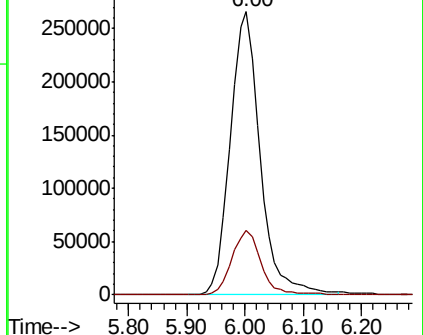
77 100

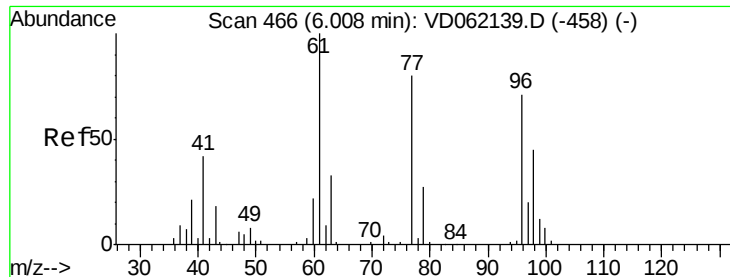
97 22.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



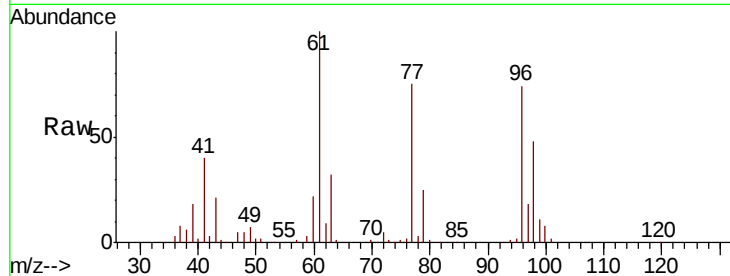


#27

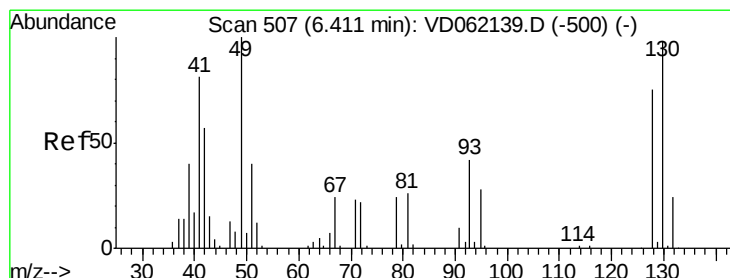
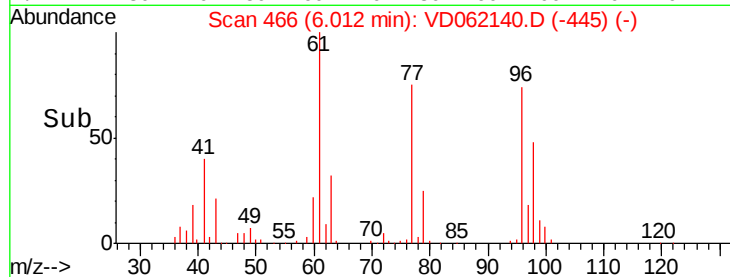
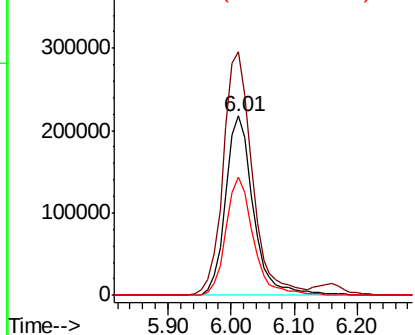
cis-1,2-Dichloroethene
 Concen: 80.182 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 96 Resp: 662458
 Ion Ratio Lower Upper
 96 100
 61 136.0 0.0 279.8
 98 65.7 0.0 136.0



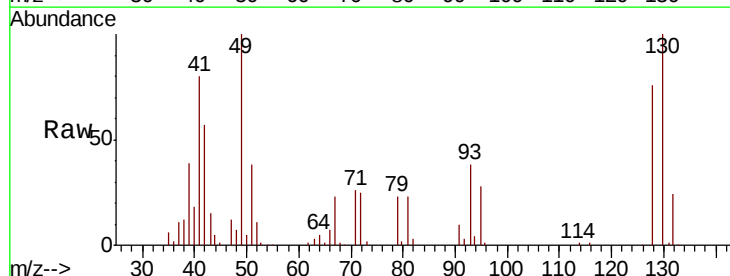
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



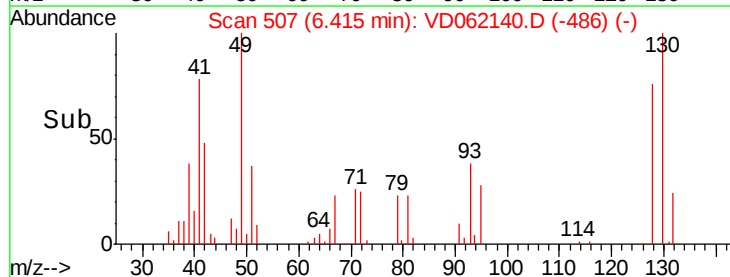
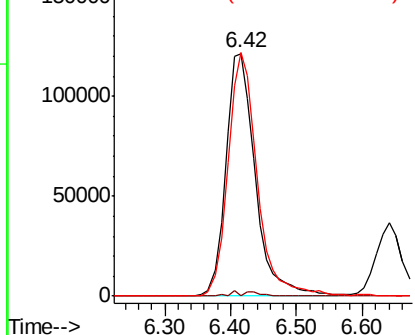
#28

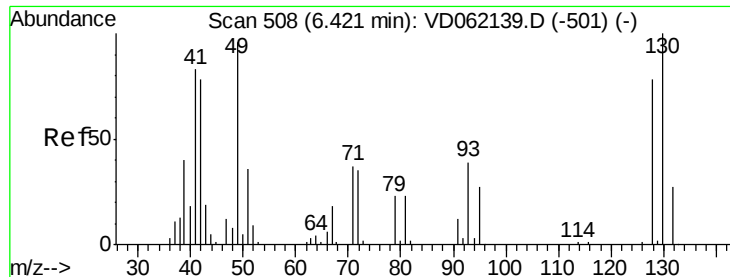
Bromochloromethane
 Concen: 77.314 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion: 49 Resp: 379772
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.6
 130 100.3 86.7 130.1



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: 396.281 ug/l

RT: 6.43 min Scan# 509

Delta R.T. 0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

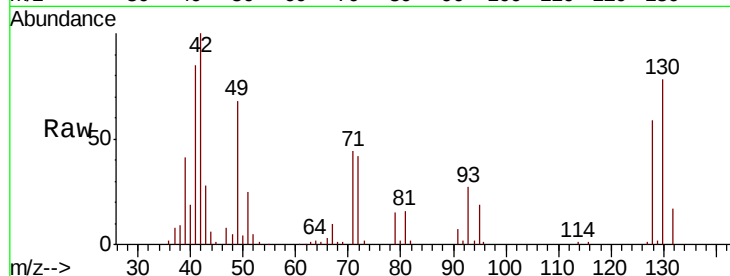
Tgt Ion: 42 Resp: 321319

Ion Ratio Lower Upper

42 100

72 44.1 37.8 56.6

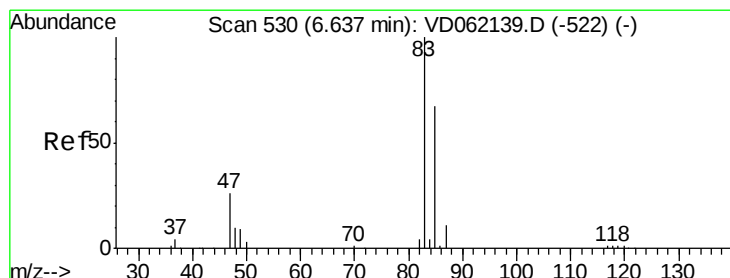
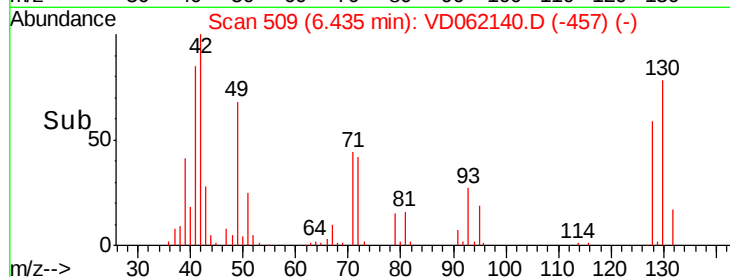
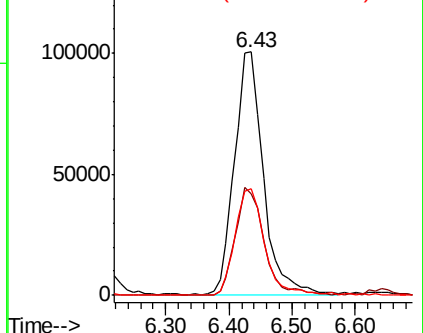
71 44.4 36.7 55.1



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: 76.272 ug/l

RT: 6.64 min Scan# 530

Delta R.T. 0.00 min

Lab File: VD062140.D

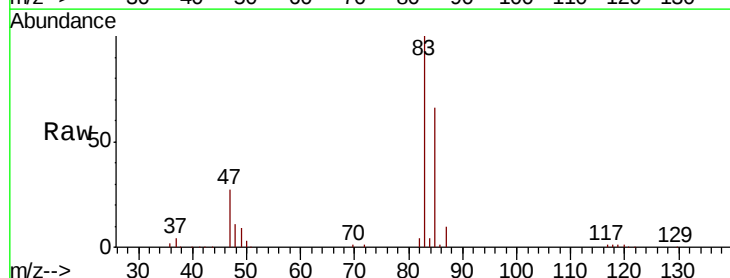
Acq: 7 May 2019 13:34

Tgt Ion: 83 Resp: 1163430

Ion Ratio Lower Upper

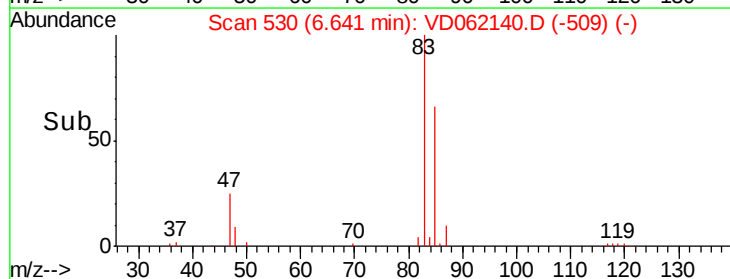
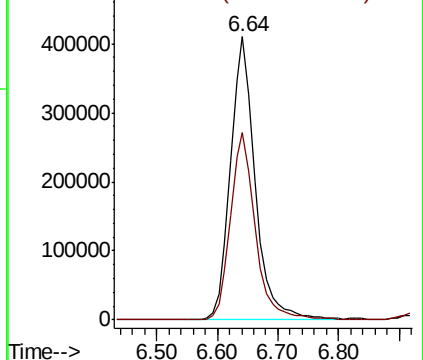
83 100

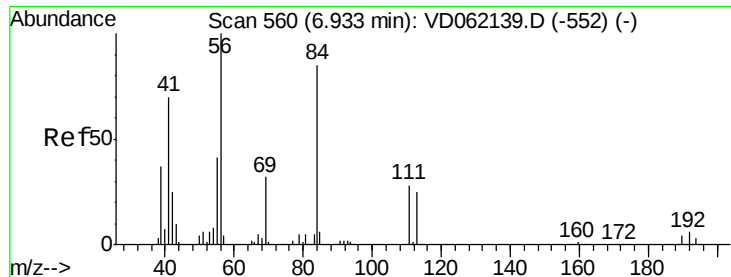
85 66.0 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

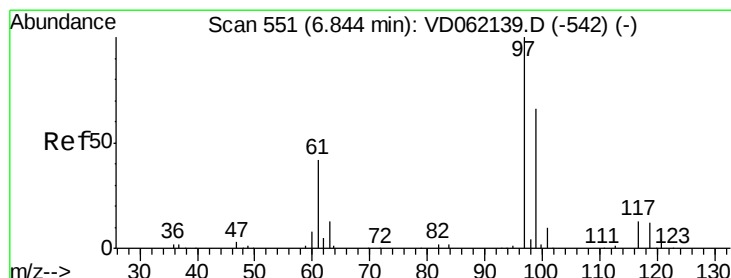
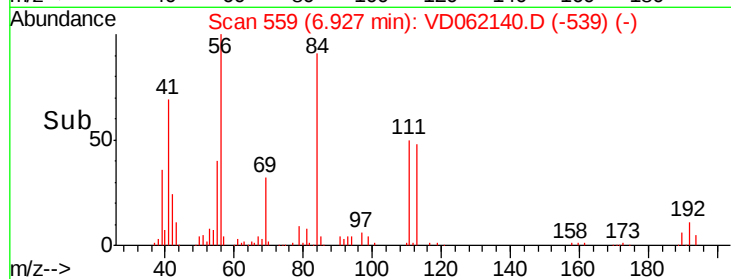
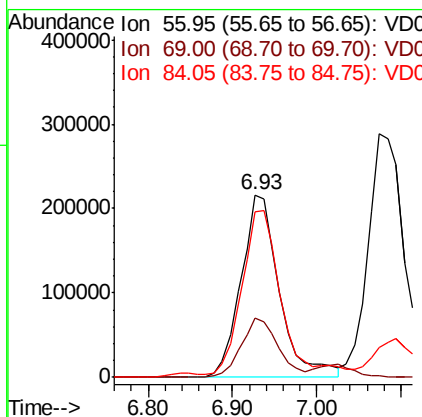
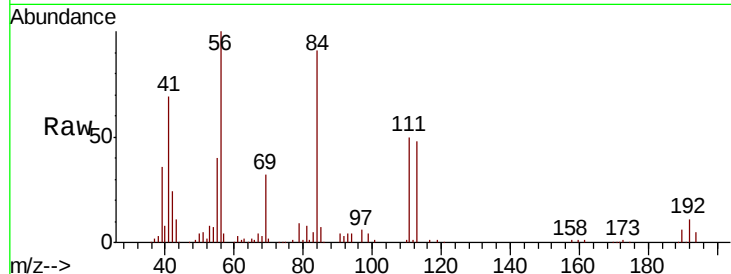




#31
Cyclohexane
Concen: 77.158 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

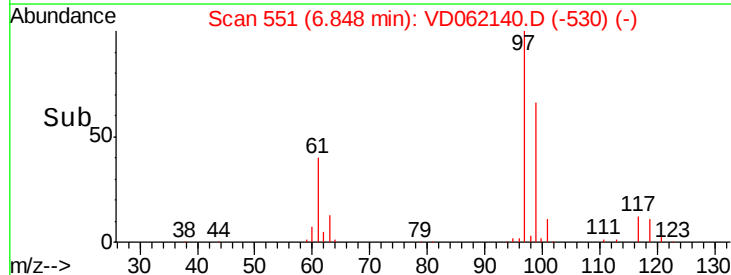
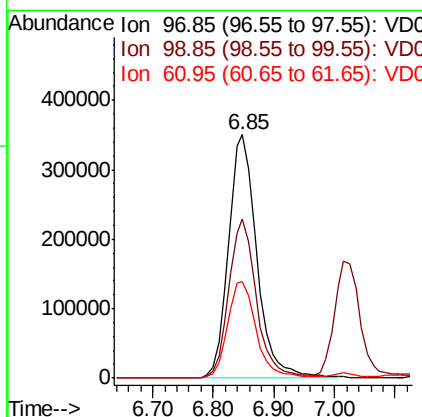
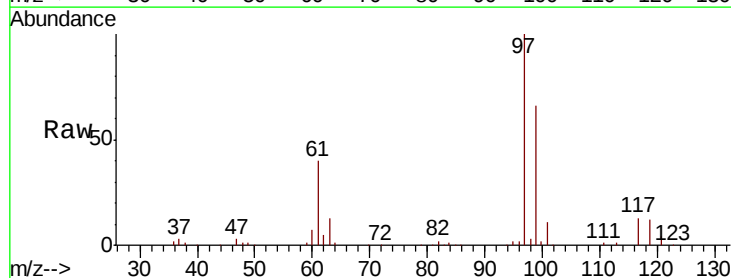
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

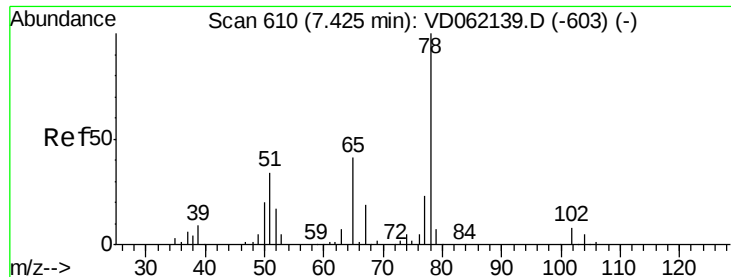
Tgt Ion: 56 Resp: 688112
Ion Ratio Lower Upper
56 100
69 32.5 25.8 38.6
84 90.5 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 77.038 ug/l
RT: 6.85 min Scan# 551
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 97 Resp: 1137371
Ion Ratio Lower Upper
97 100
99 65.5 52.2 78.2
61 39.5 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 73.469 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

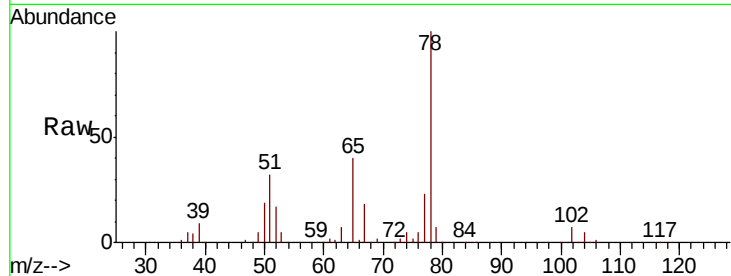
VSTDIC075

Tgt Ion: 65 Resp: 621564

Ion Ratio Lower Upper

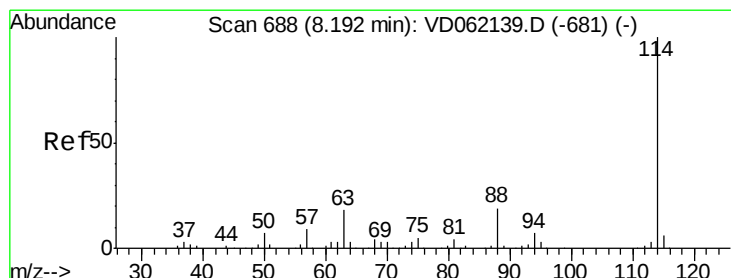
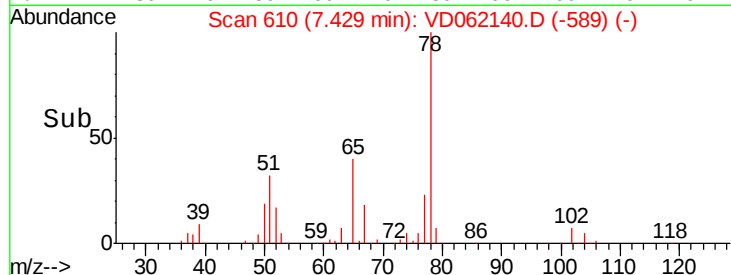
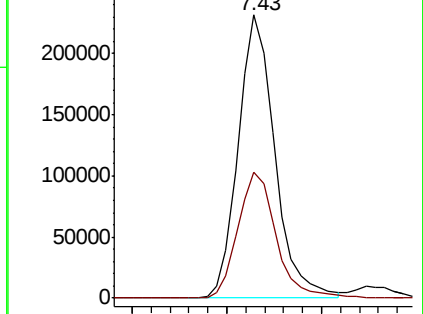
65 100

67 44.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

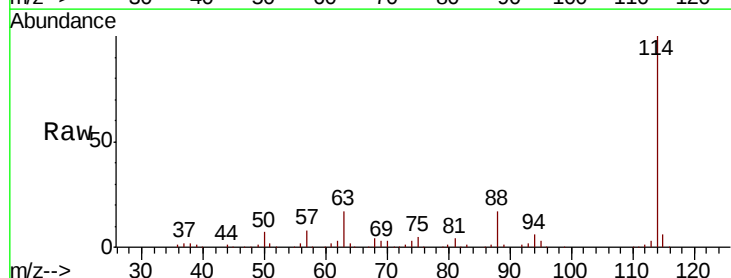
Tgt Ion: 114 Resp: 1257932

Ion Ratio Lower Upper

114 100

63 16.7 0.0 32.4

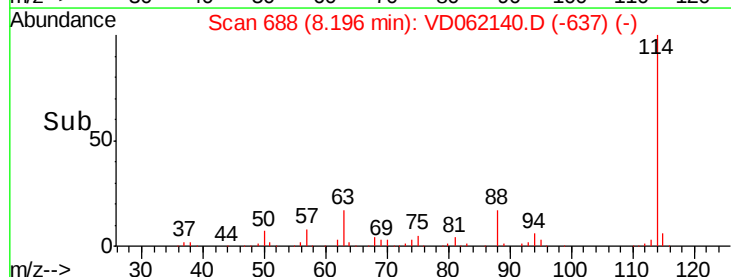
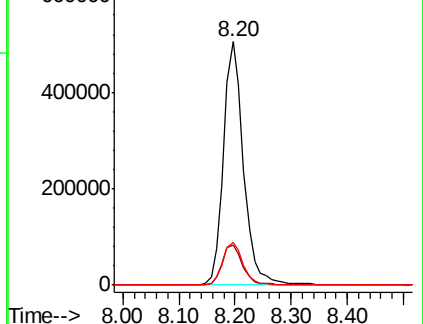
88 17.3 0.0 33.6

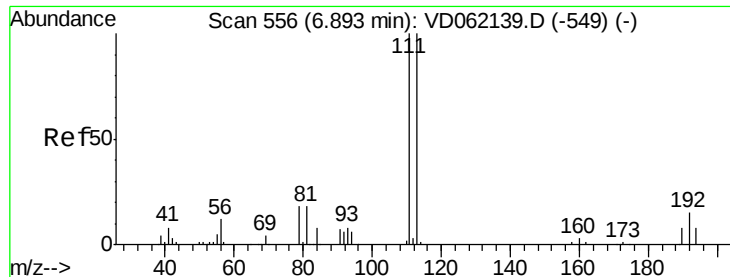


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 72.193 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

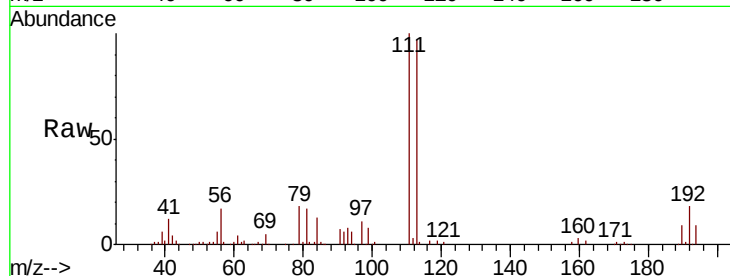
Tgt Ion:113 Resp: 821427

Ion Ratio Lower Upper

113 100

111 102.8 78.5 117.7

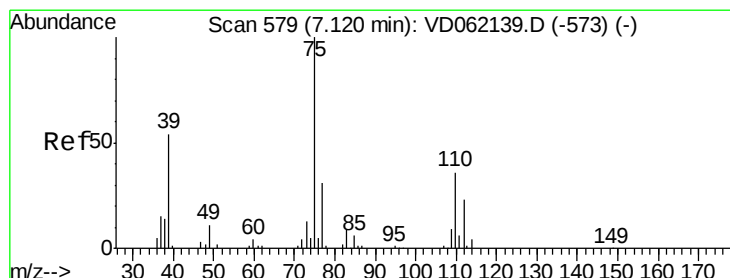
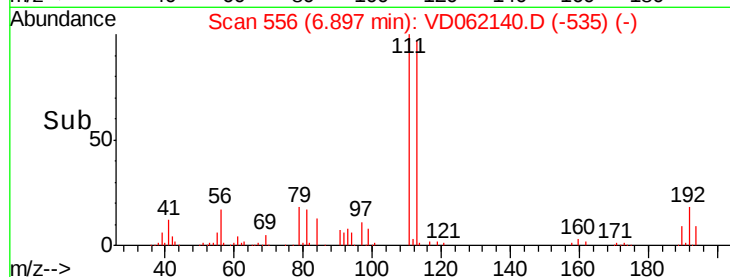
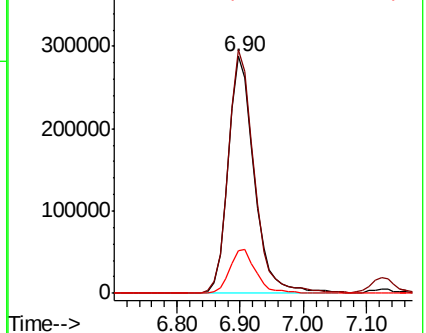
192 18.2 13.0 19.4



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: 72.946 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

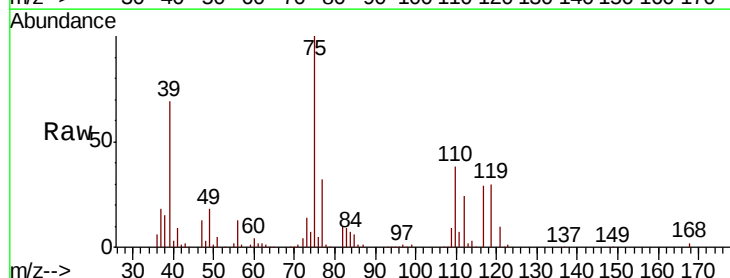
Tgt Ion: 75 Resp: 764956

Ion Ratio Lower Upper

75 100

110 37.8 19.1 57.1

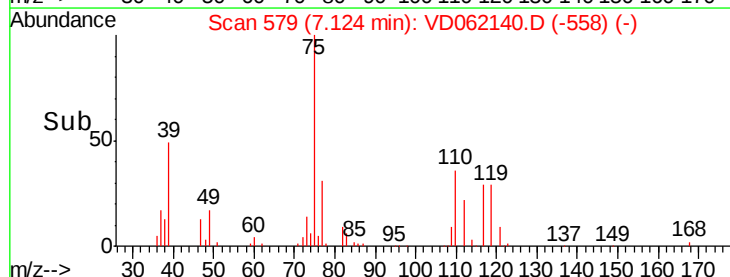
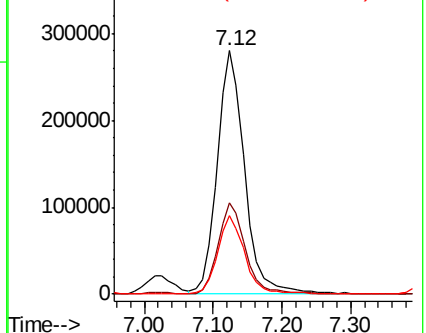
77 32.2 25.6 38.4

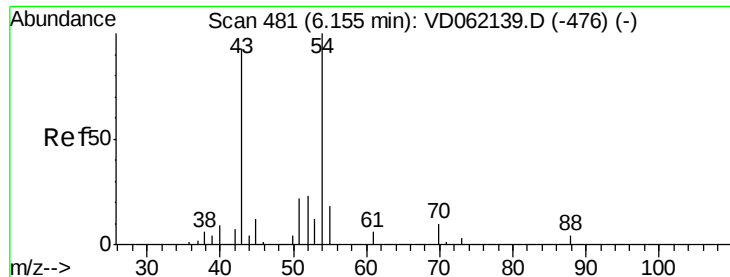


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 71.455 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

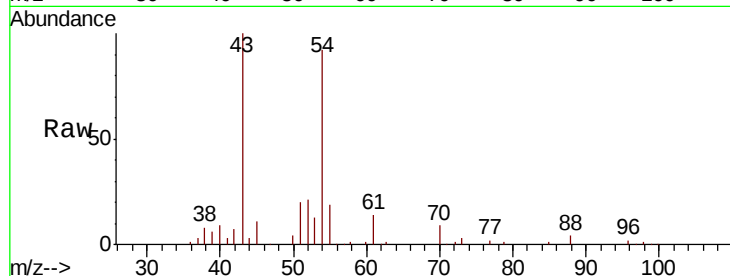
Tgt Ion: 43 Resp: 324857

Ion Ratio Lower Upper

43 100

61 13.9 14.7 22.1#

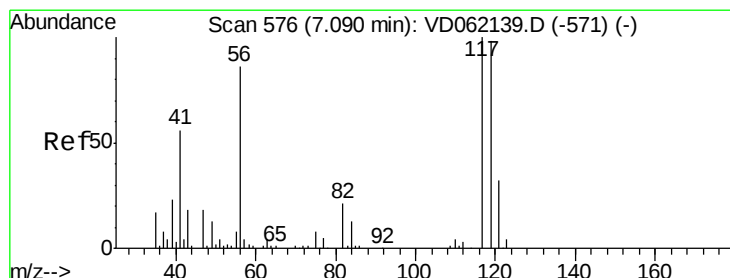
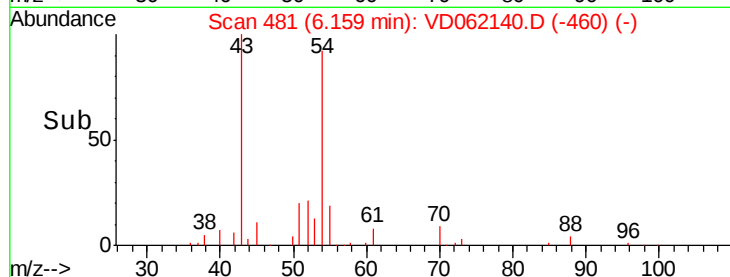
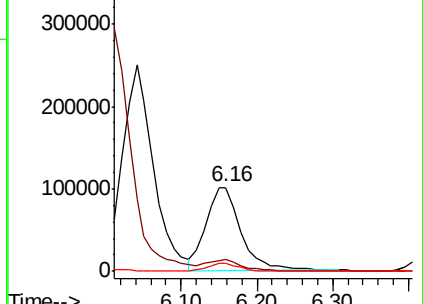
70 9.4 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 72.961 ug/l

RT: 7.09 min Scan# 576

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

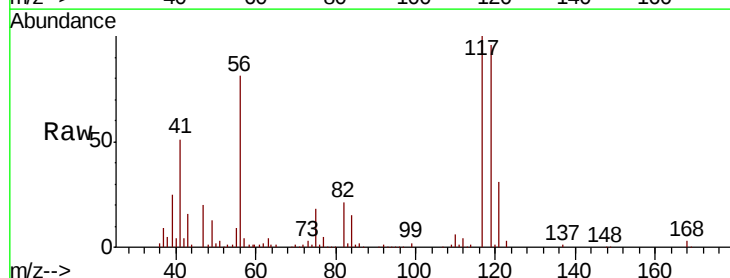
Tgt Ion: 117 Resp: 1084780

Ion Ratio Lower Upper

117 100

119 95.9 75.8 113.8

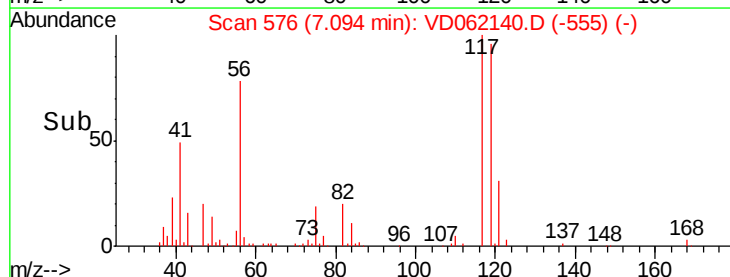
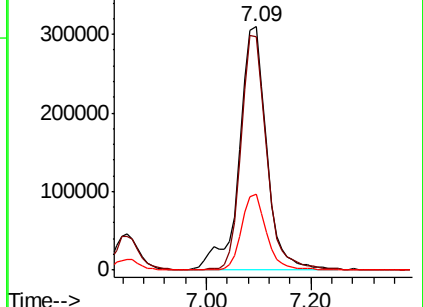
121 31.4 25.9 38.9

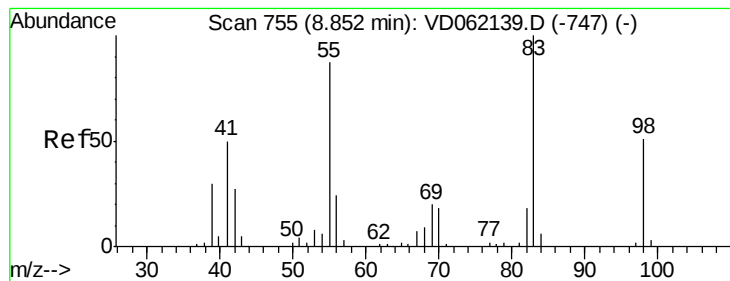


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 74.026 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

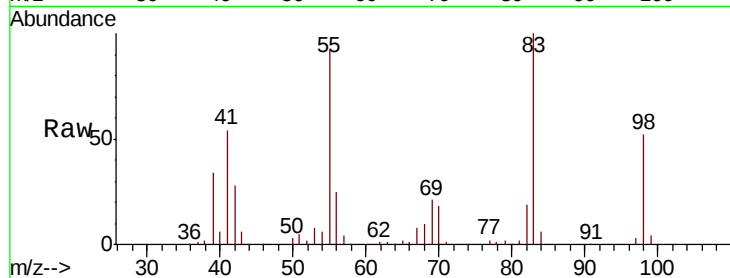
Tgt Ion: 83 Resp: 780360

Ion Ratio Lower Upper

83 100

55 91.6 68.2 102.4

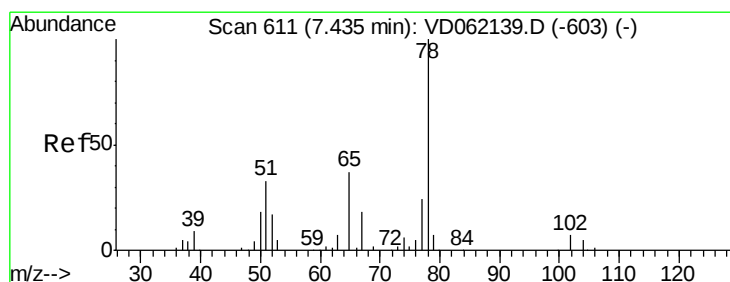
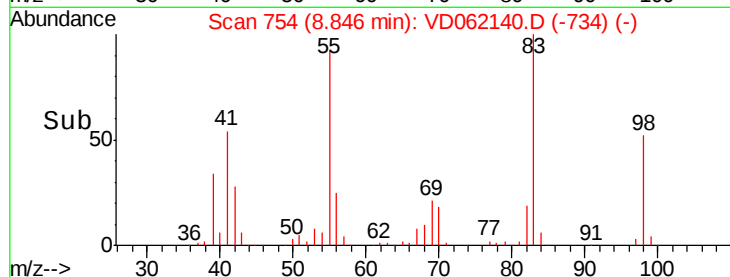
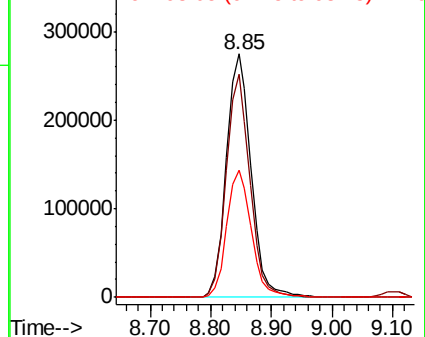
98 52.4 38.2 57.4



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: 71.868 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD062140.D

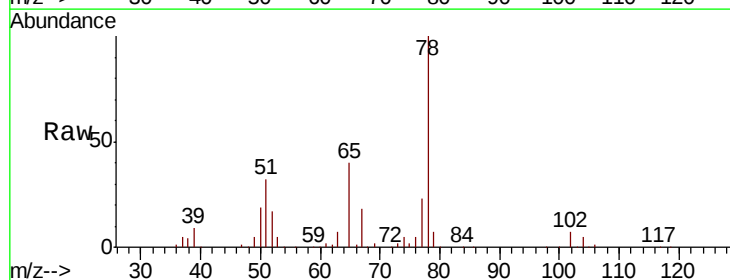
Acq: 7 May 2019 13:34

Tgt Ion: 78 Resp: 1709096

Ion Ratio Lower Upper

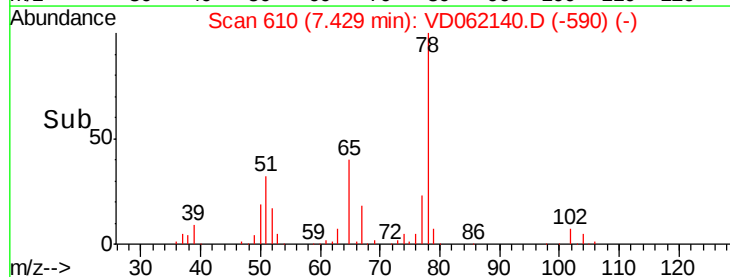
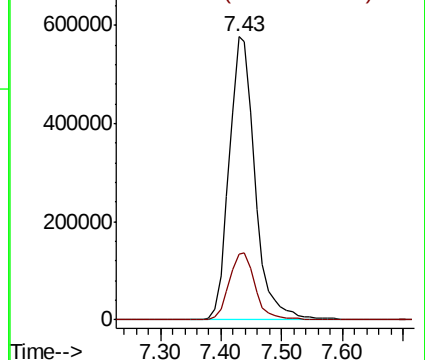
78 100

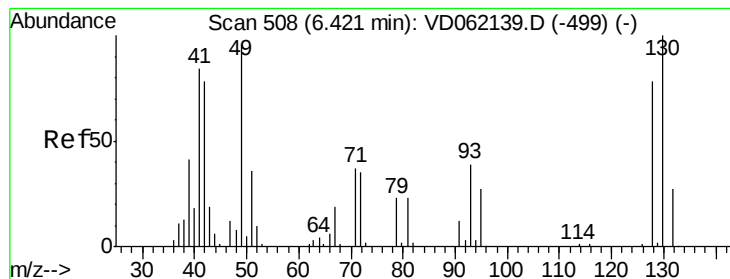
77 23.2 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 73.848 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 394433

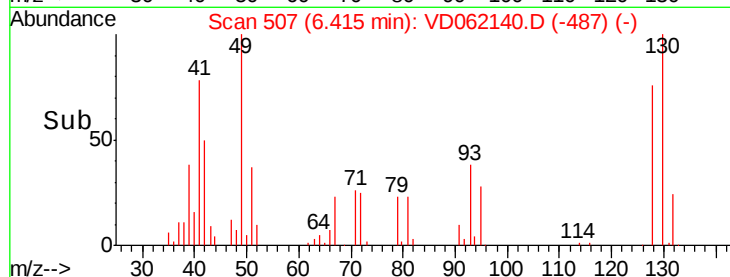
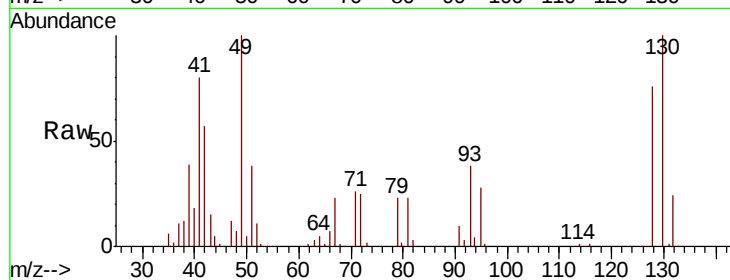
Ion Ratio Lower Upper

41 100

39 49.3 34.1 51.1

67 28.5 23.8 35.6

52 14.0 8.8 13.2#

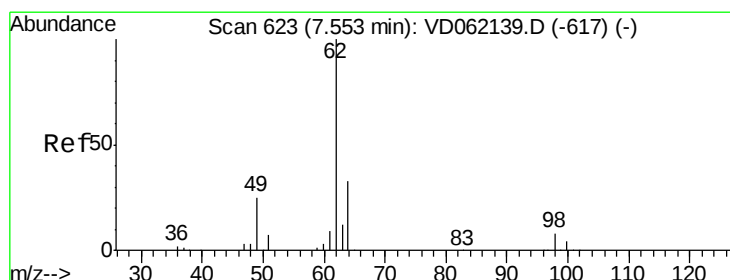
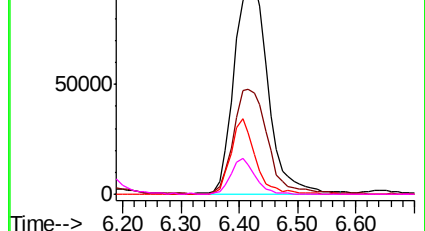


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 73.989 ug/l

RT: 7.56 min Scan# 623

Delta R.T. 0.00 min

Lab File: VD062140.D

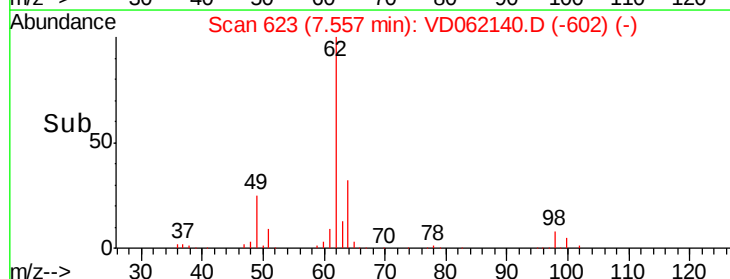
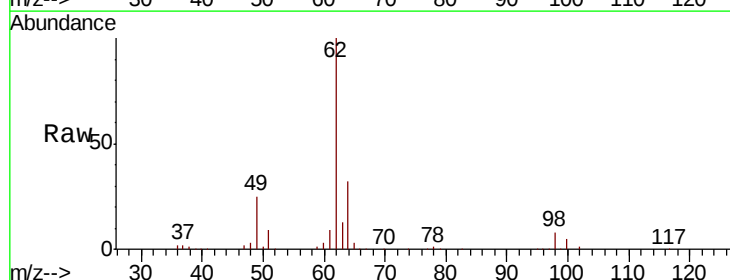
Acq: 7 May 2019 13:34

Tgt Ion: 62 Resp: 750521

Ion Ratio Lower Upper

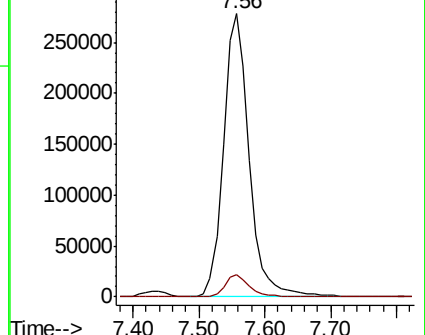
62 100

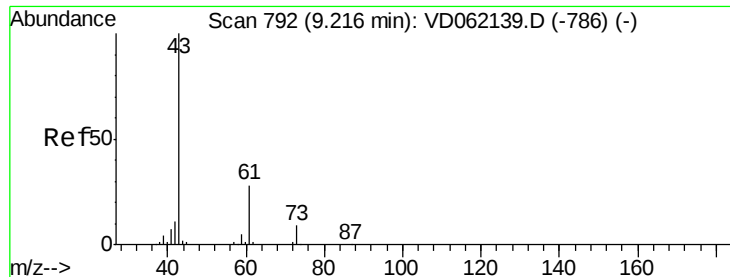
98 8.0 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 74.536 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

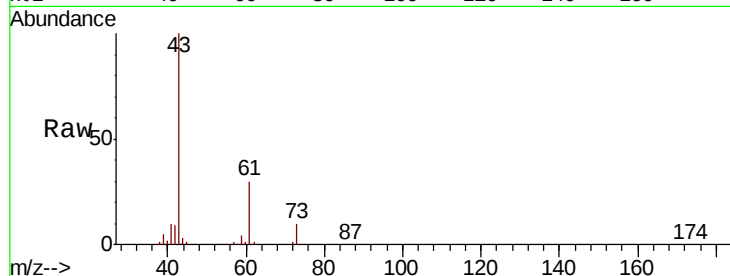
Tgt Ion: 43 Resp: 471516

Ion Ratio Lower Upper

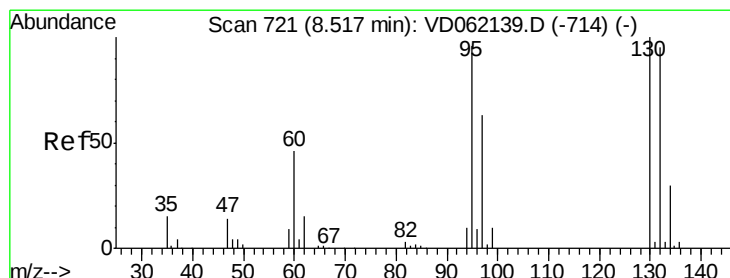
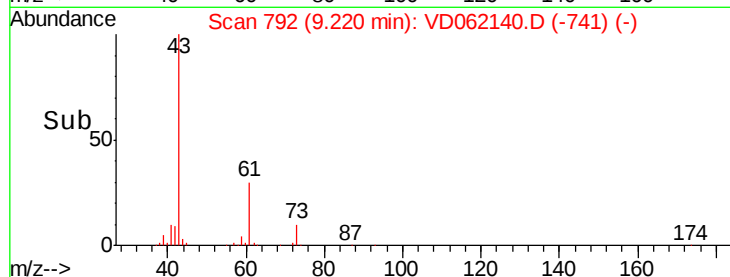
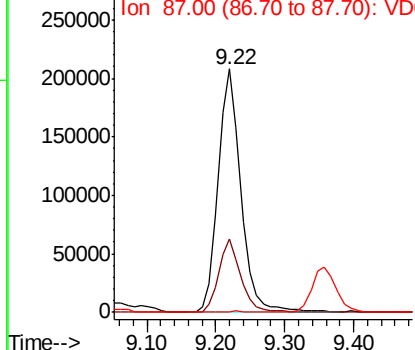
43 100

61 30.3 25.1 37.7

87 0.3 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 72.676 ug/l

RT: 8.52 min Scan# 721

Delta R.T. 0.00 min

Lab File: VD062140.D

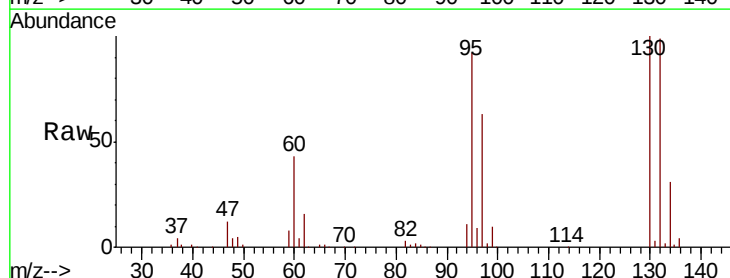
Acq: 7 May 2019 13:34

Tgt Ion: 130 Resp: 679466

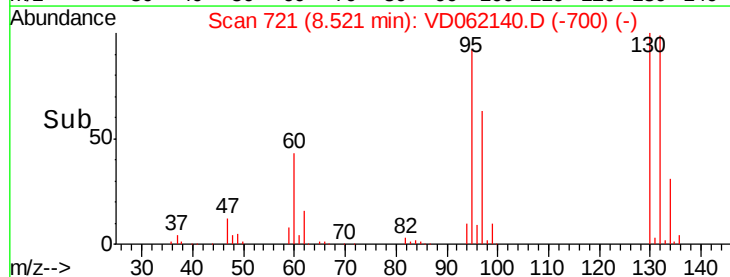
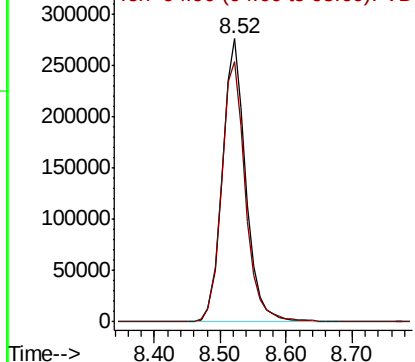
Ion Ratio Lower Upper

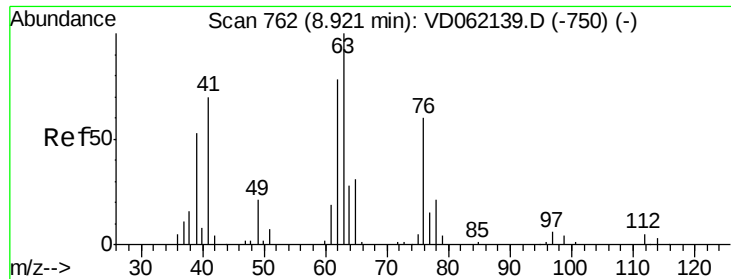
130 100

95 91.9 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 74.056 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

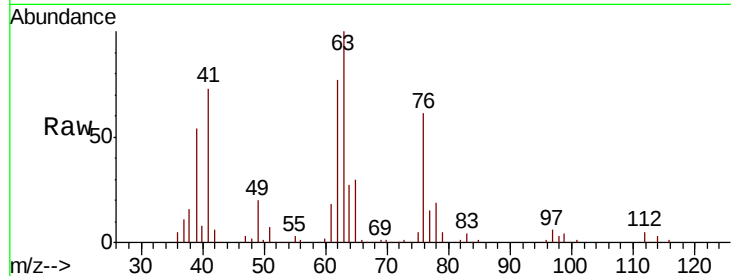
VSTDIC075

Tgt Ion: 63 Resp: 435967

Ion Ratio Lower Upper

63 100

65 29.6 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.91

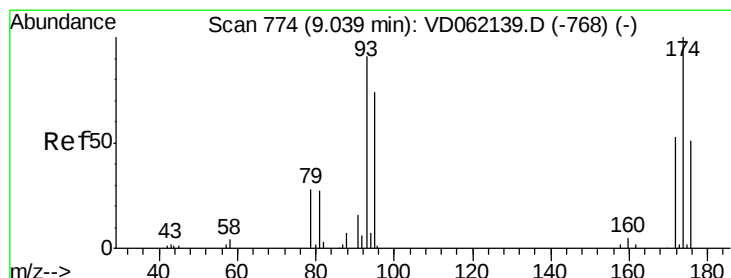
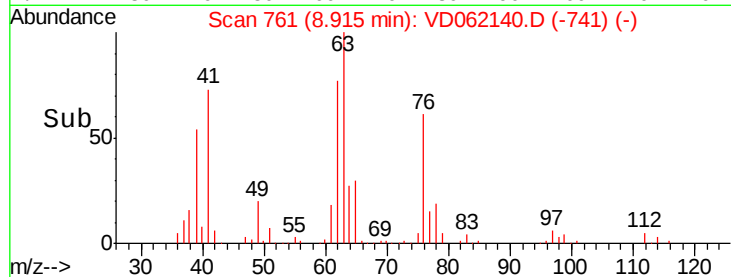
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 74.210 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

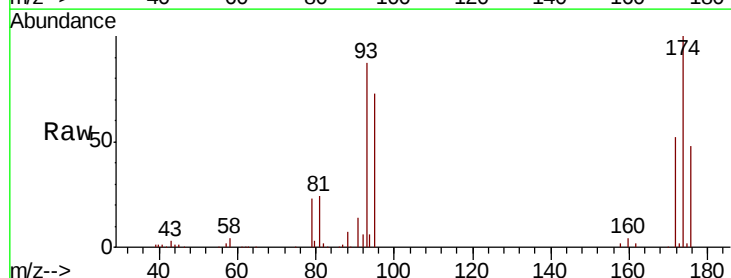
Tgt Ion: 93 Resp: 358505

Ion Ratio Lower Upper

93 100

95 83.5 64.8 97.2

174 114.9 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.04

200000

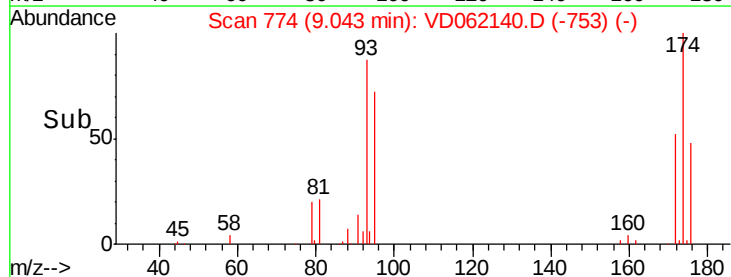
150000

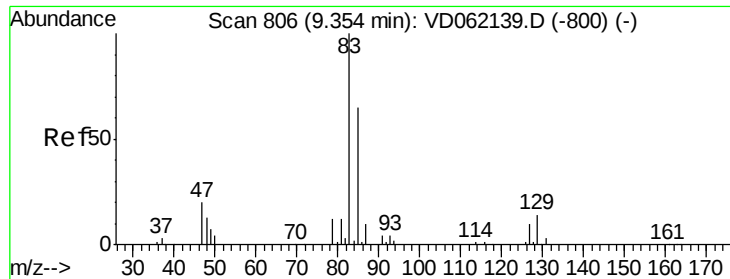
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 76.222 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

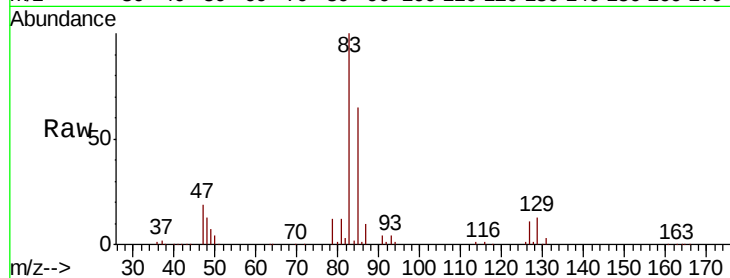
Tgt Ion: 83 Resp: 899010

Ion Ratio Lower Upper

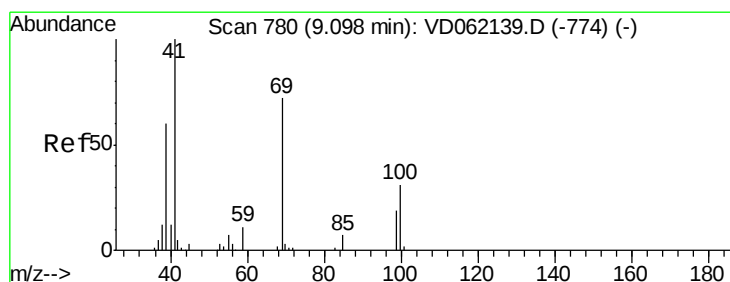
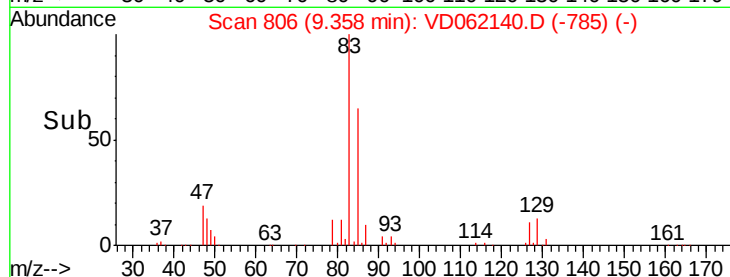
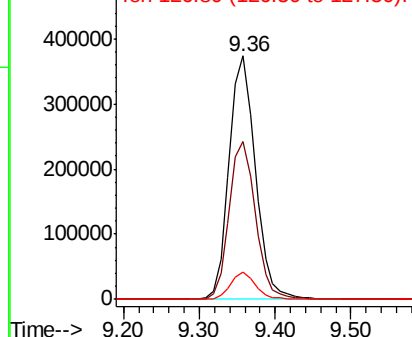
83 100

85 64.7 50.9 76.3

127 11.0 8.1 12.1



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: 74.564 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

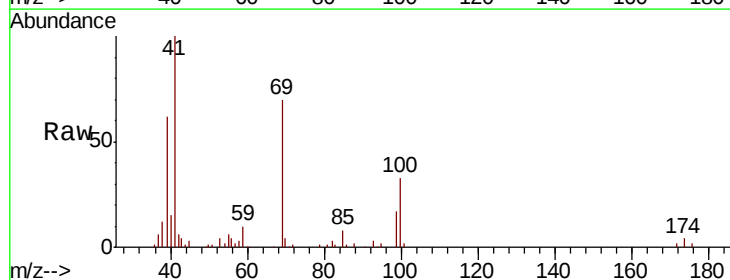
Tgt Ion: 41 Resp: 284192

Ion Ratio Lower Upper

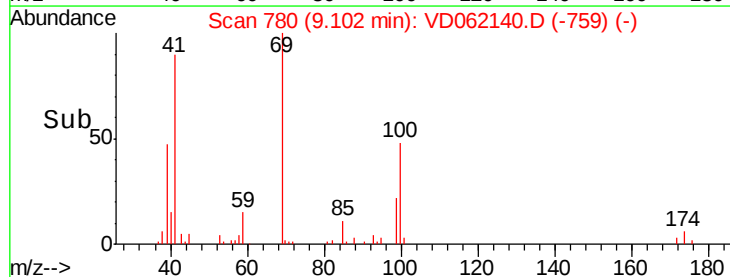
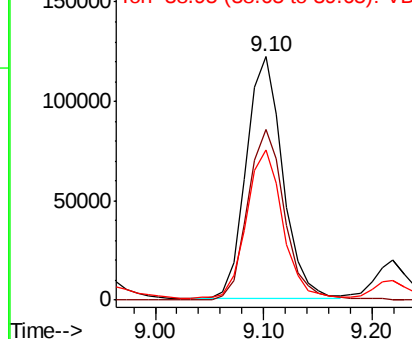
41 100

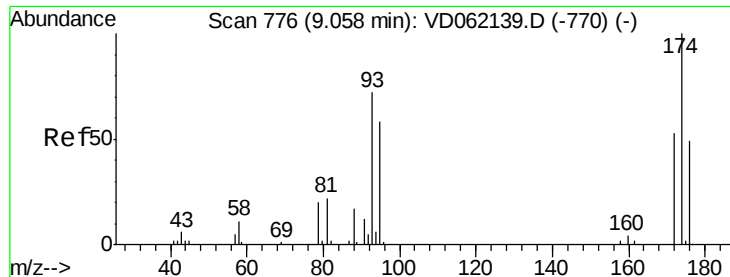
69 70.2 64.2 96.2

39 61.5 46.8 70.2



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

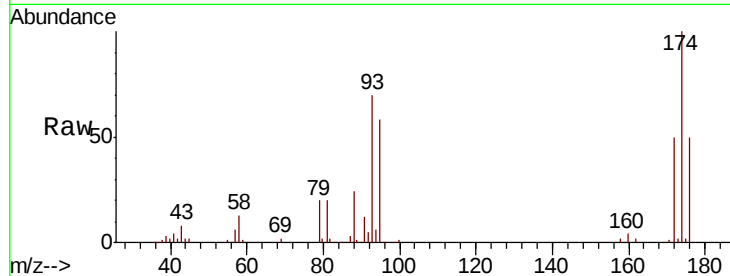




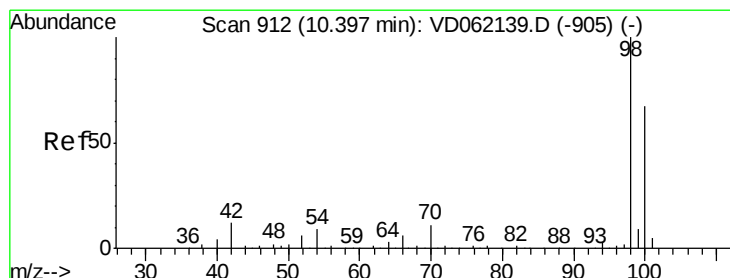
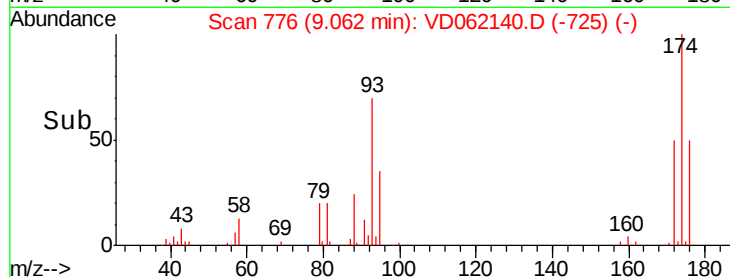
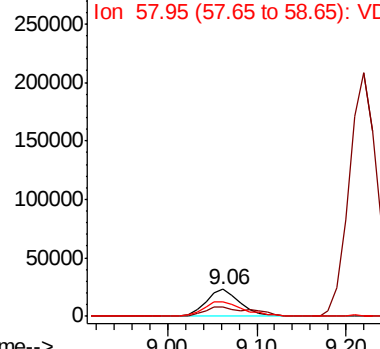
#49
1,4-Dioxane
Concen: 1491.047 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 88 Resp: 61856
Ion Ratio Lower Upper
88 100
43 33.4 23.4 35.0
58 55.2 44.0 66.0

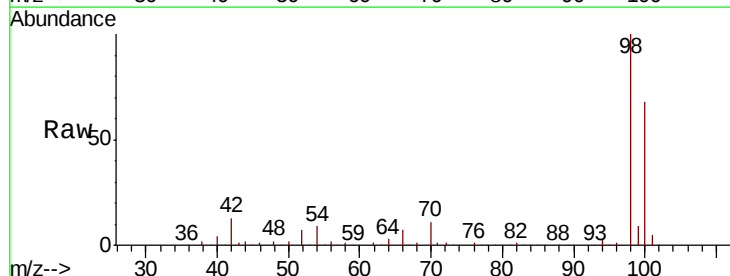


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

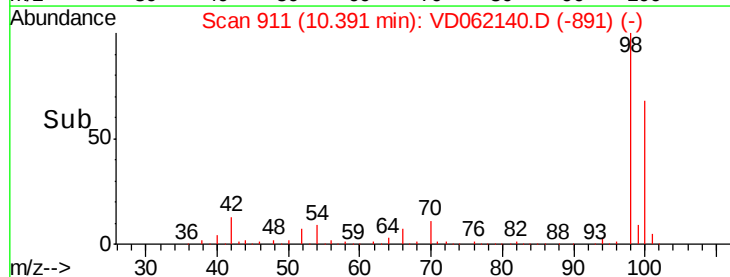
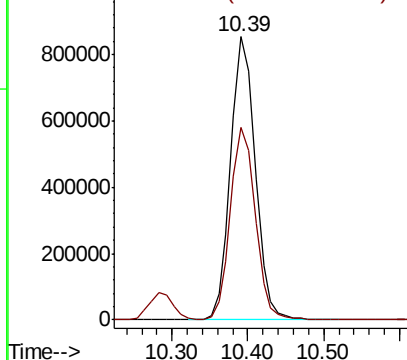


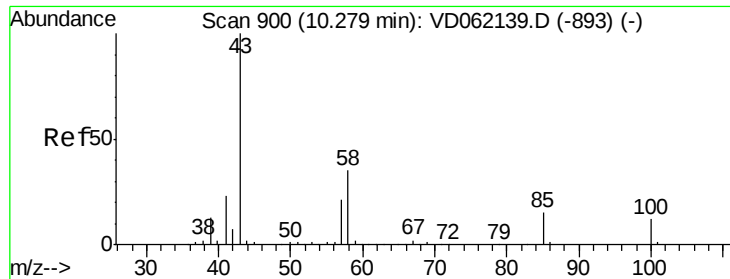
#50
Toluene-d8
Concen: 68.964 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 98 Resp: 1925785
Ion Ratio Lower Upper
98 100
100 67.8 53.8 80.8



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

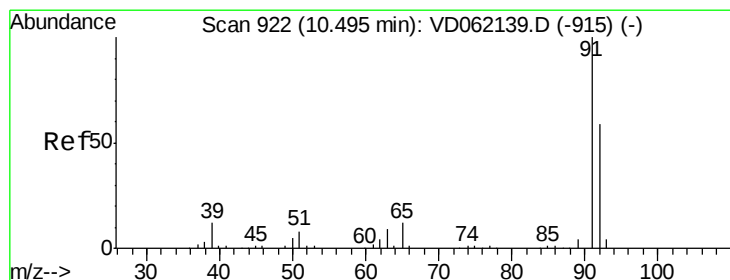
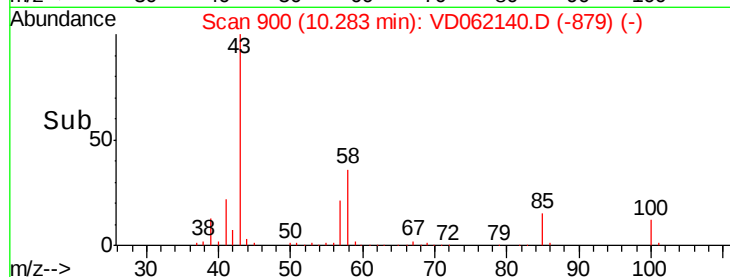
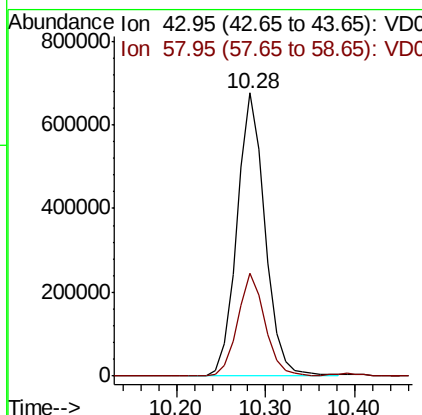
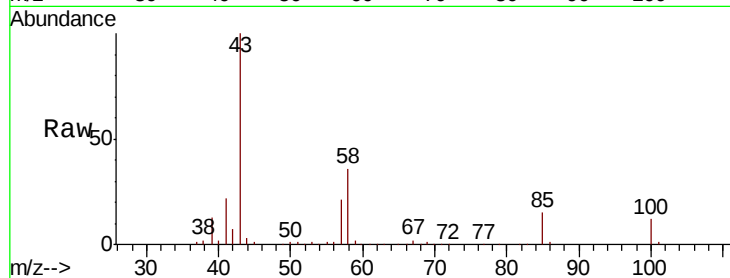




#51
 4-Methyl-2-Pentanone
 Concen: 374.437 ug/l
 RT: 10.28 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

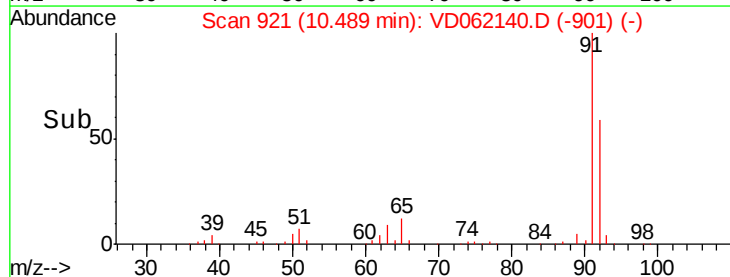
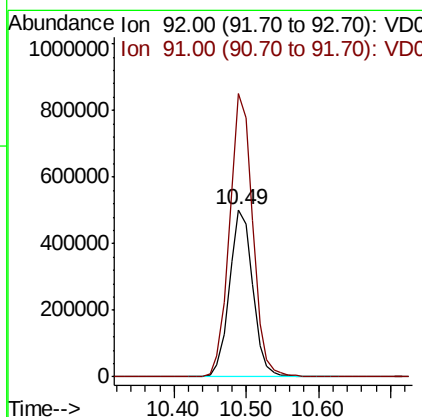
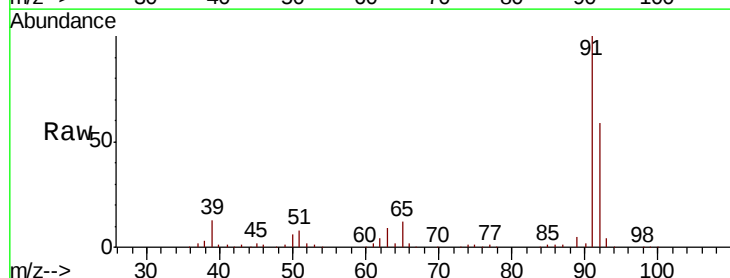
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

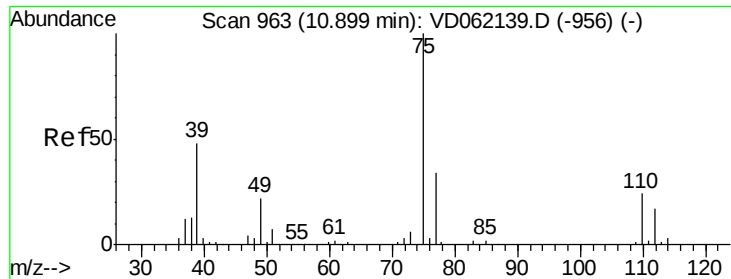
Tgt Ion: 43 Resp: 1475917
 Ion Ratio Lower Upper
 43 100
 58 36.3 30.4 45.6



#52
 Toluene
 Concen: 72.423 ug/l
 RT: 10.49 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion: 92 Resp: 1133522
 Ion Ratio Lower Upper
 92 100
 91 168.9 136.6 204.8

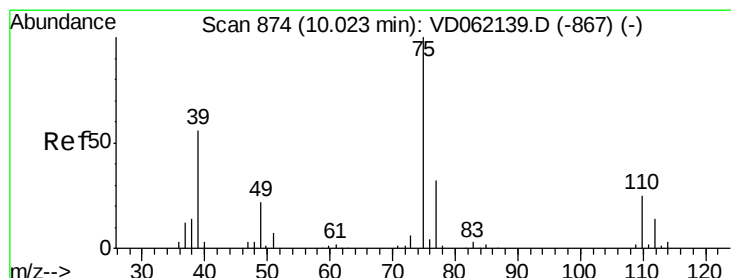
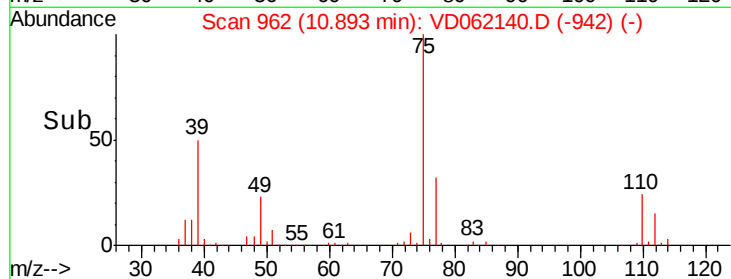
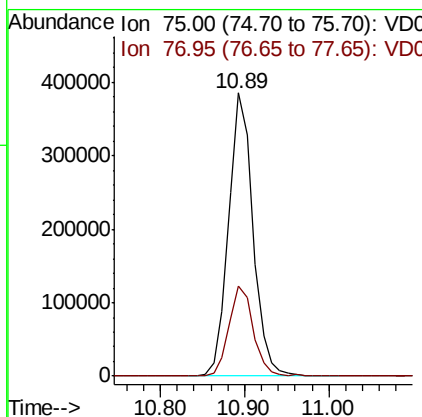
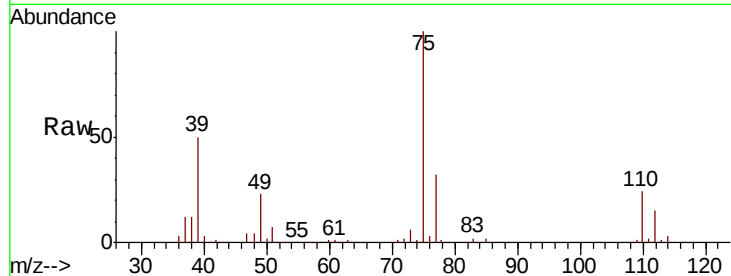




#53
 t-1,3-Dichloropropene
 Concen: 75.162 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

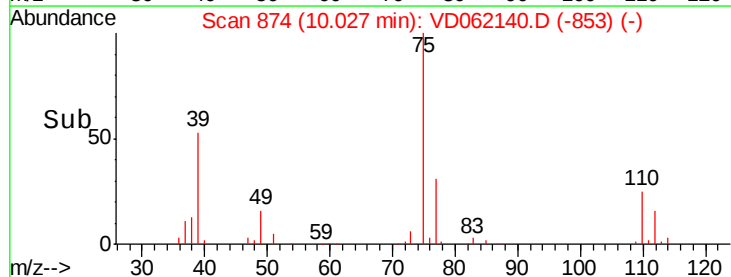
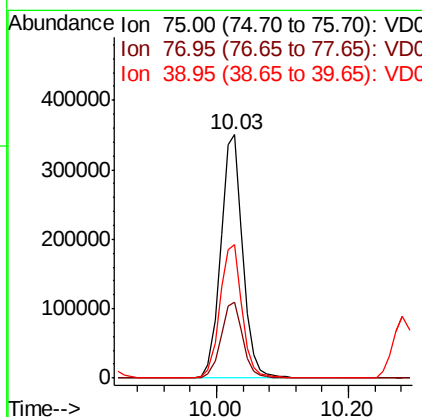
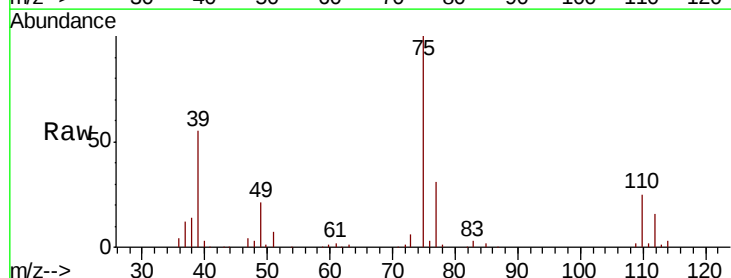
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

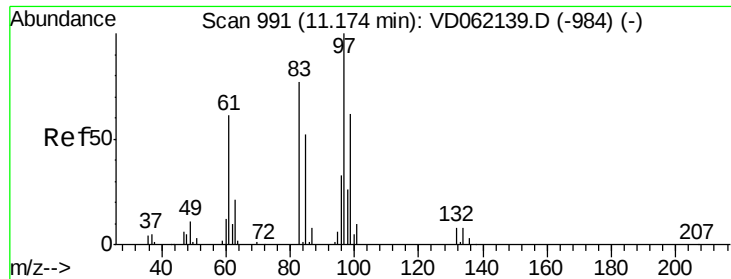
Tgt Ion: 75 Resp: 776950
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 69.936 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion: 75 Resp: 811162
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.5 38.3
 39 55.0 39.4 59.2

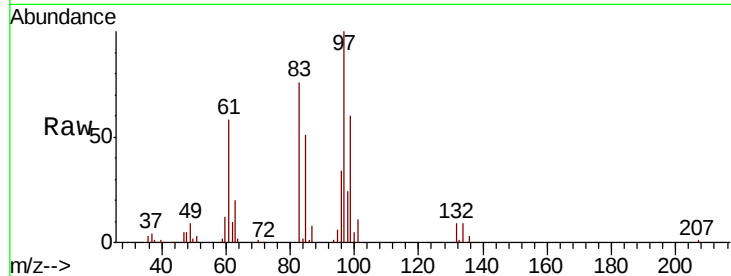




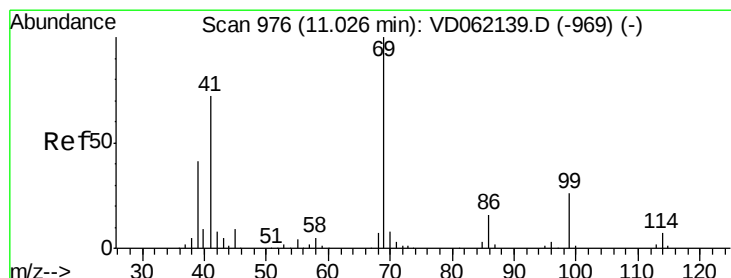
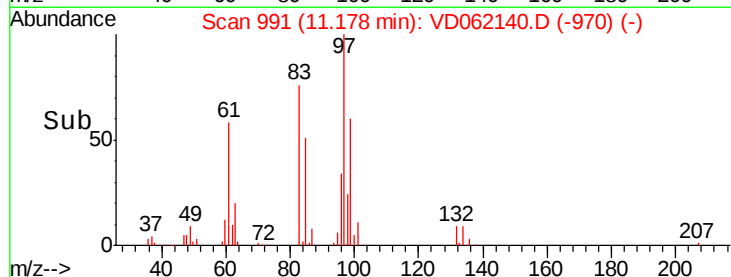
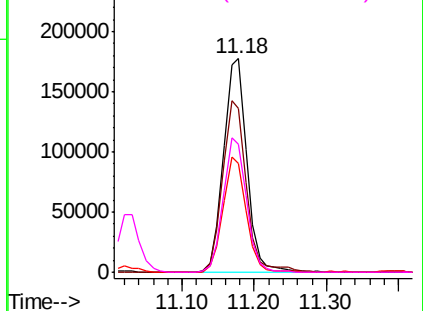
#55
 1,1,2-Trichloroethane
 Concen: 69.252 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:	97	Resp:	397719
Ion	Ratio	Lower	Upper
97	100		
83	76.4	65.7	98.5
85	50.8	45.6	68.4
99	59.9	48.4	72.6

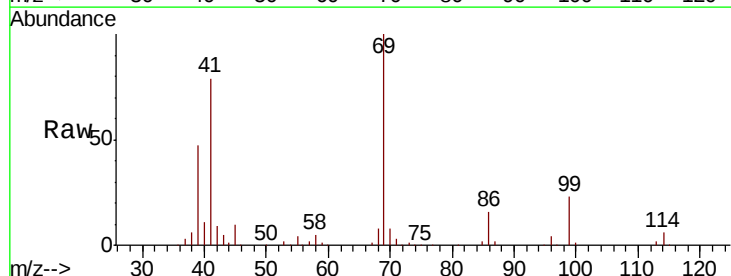


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

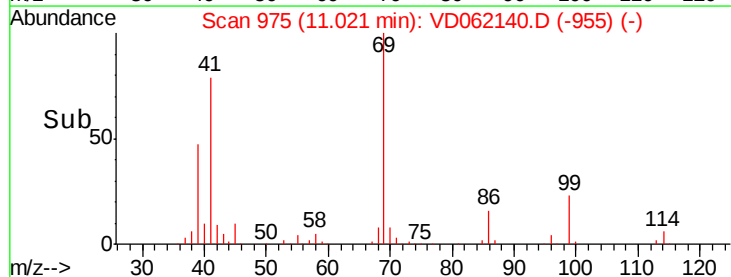
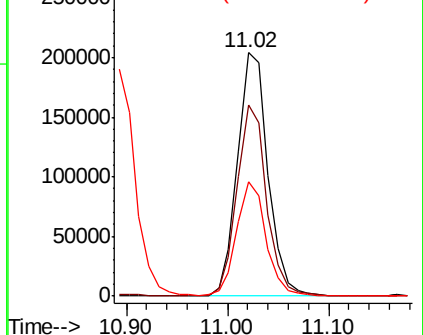


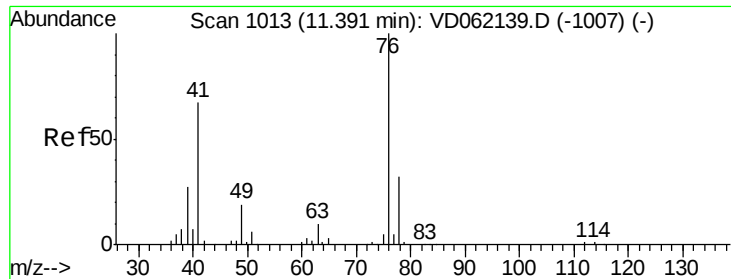
#56
 Ethyl methacrylate
 Concen: 72.071 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion:	69	Resp:	431222
Ion	Ratio	Lower	Upper
69	100		
41	78.8	56.3	84.5
39	46.9	29.4	44.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

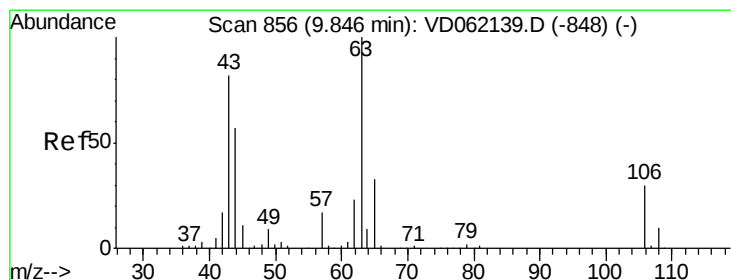
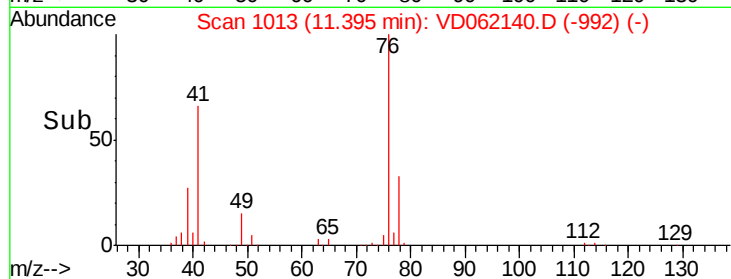
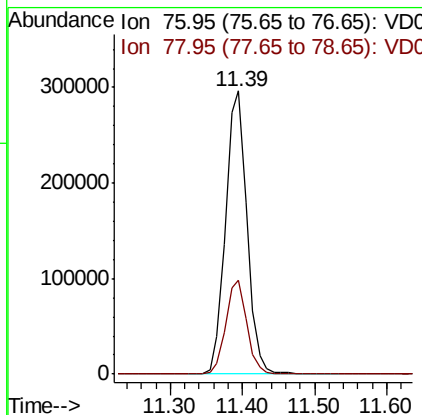
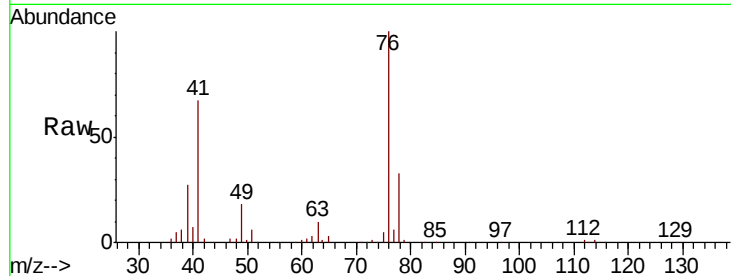




#57
 1,3-Dichloropropane
 Concen: 68.535 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

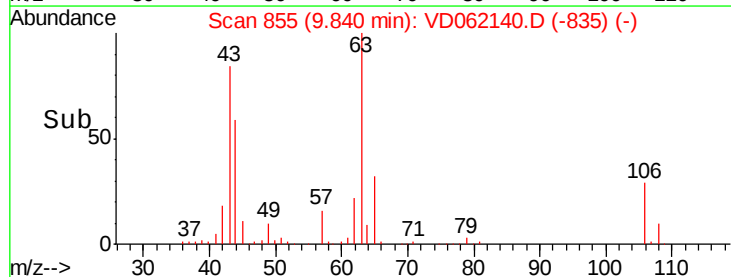
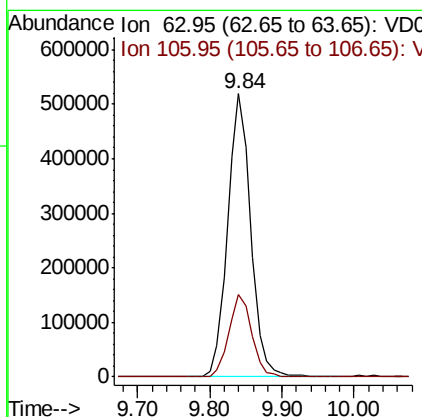
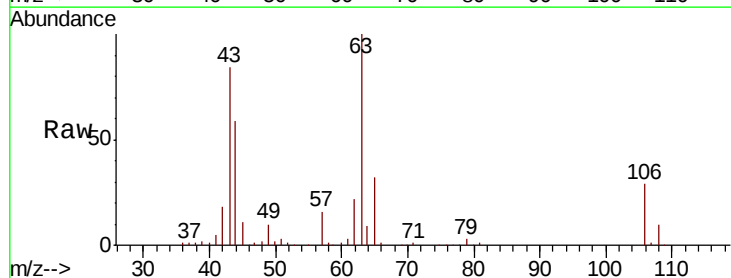
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

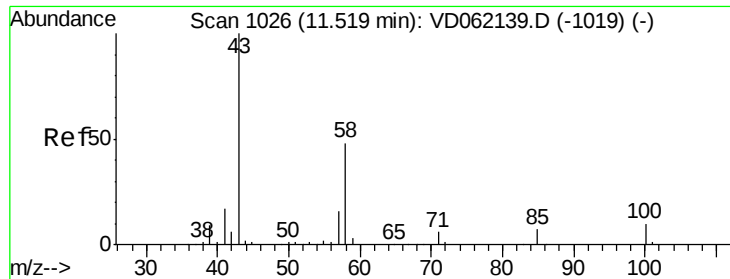
Tgt Ion: 76 Resp: 609257
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 360.818 ug/l
 RT: 9.84 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion: 63 Resp: 1152643
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.6 34.0

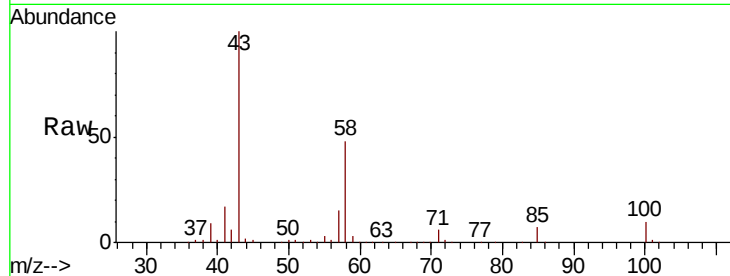




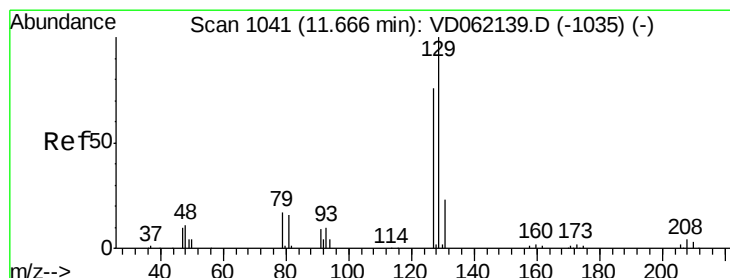
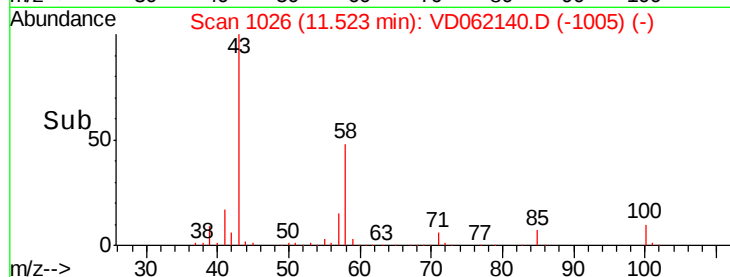
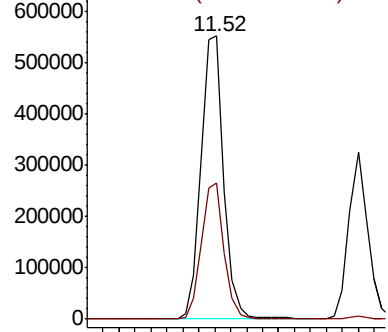
#59
2-Hexanone
Concen: 375.690 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 43 Resp: 1112924
Ion Ratio Lower Upper
43 100
58 48.2 25.4 76.4

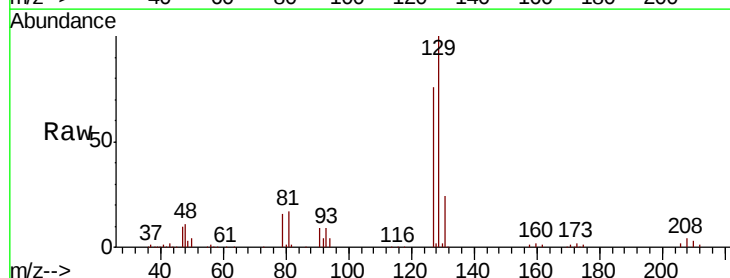


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

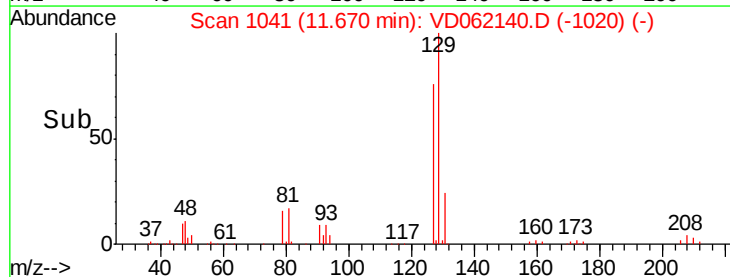
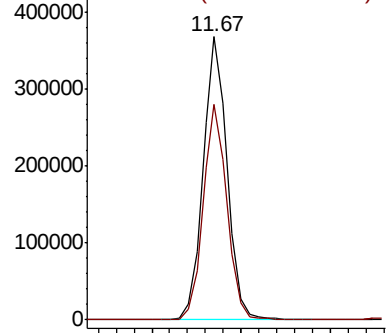


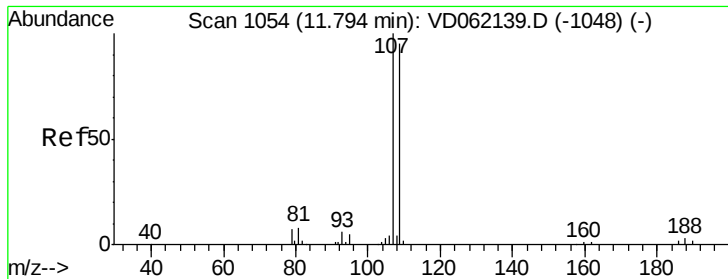
#60
Dibromochloromethane
Concen: 71.373 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 129 Resp: 691894
Ion Ratio Lower Upper
129 100
127 76.0 38.0 113.9



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

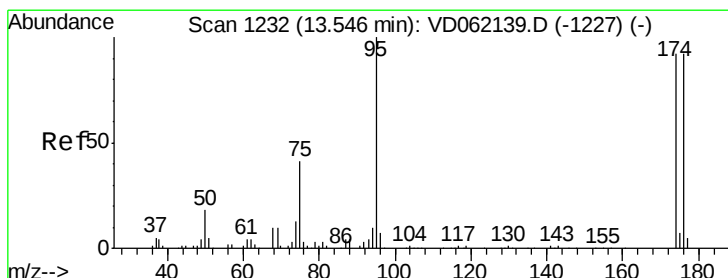
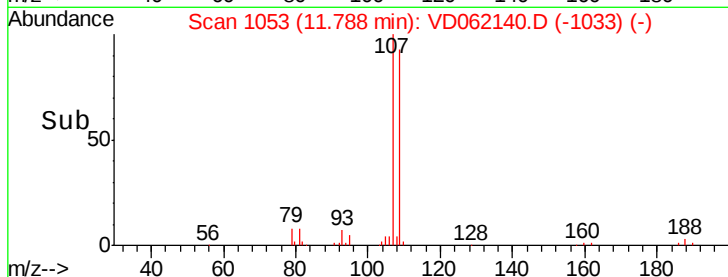
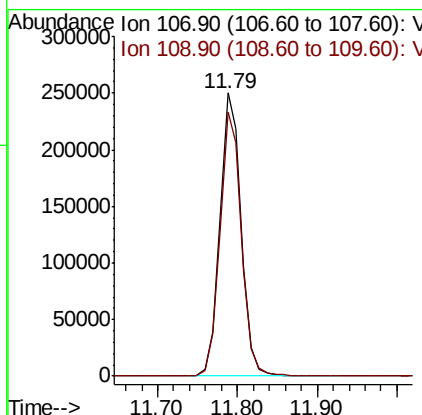
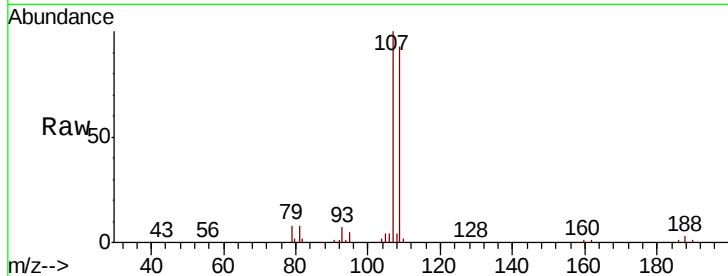




#61
 1,2-Dibromoethane
 Concen: 71.215 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

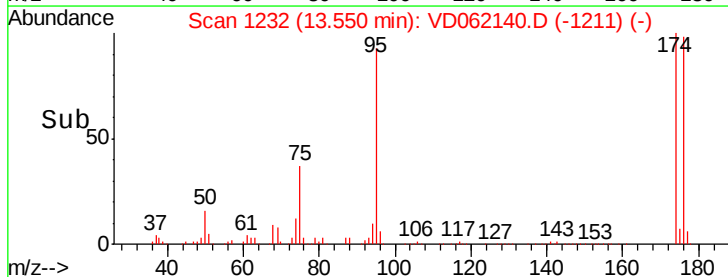
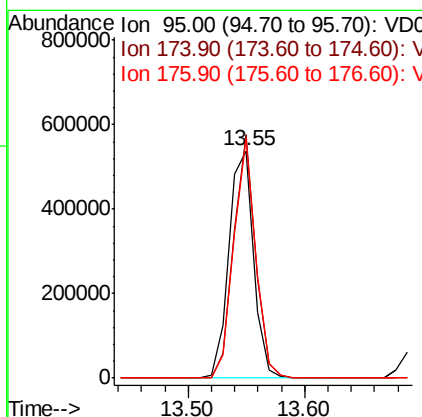
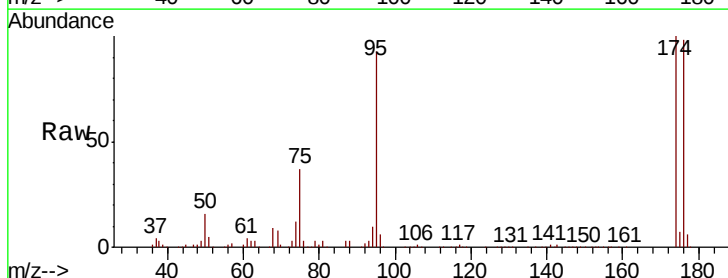
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 107 Resp: 470060
 Ion Ratio Lower Upper
 107 100
 109 93.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 70.097 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion: 95 Resp: 789847
 Ion Ratio Lower Upper
 95 100
 174 107.2 0.0 181.8
 176 105.3 0.0 174.4

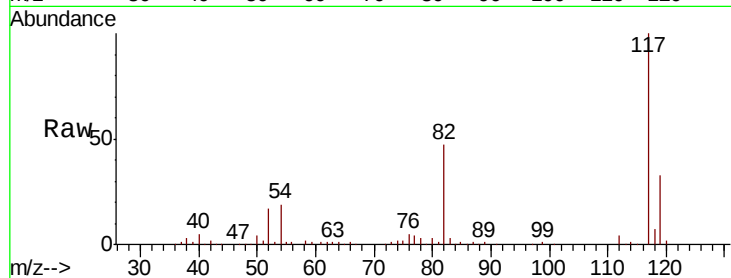




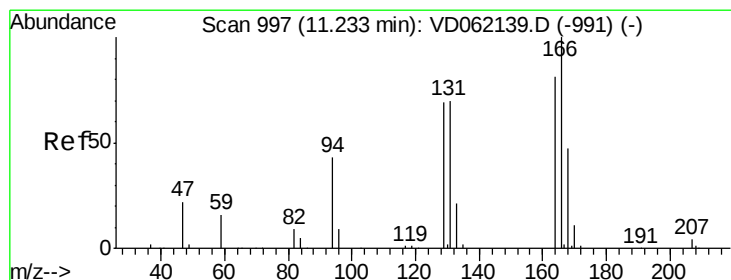
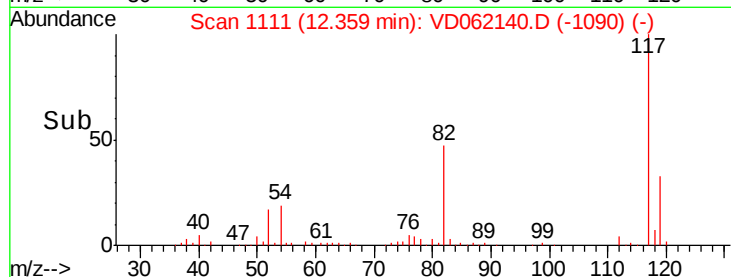
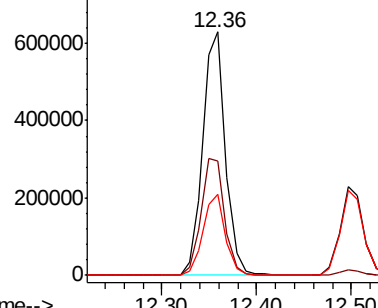
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 1038983
Ion Ratio Lower Upper
117 100
82 47.0 36.2 54.2
119 33.2 26.2 39.4

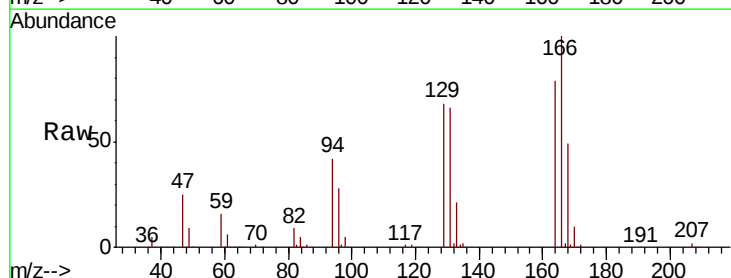


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

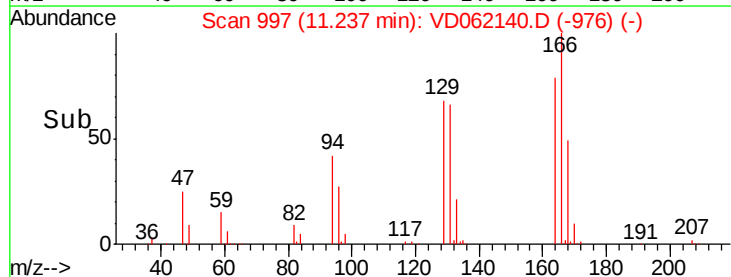
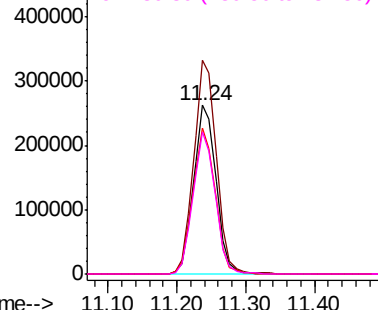


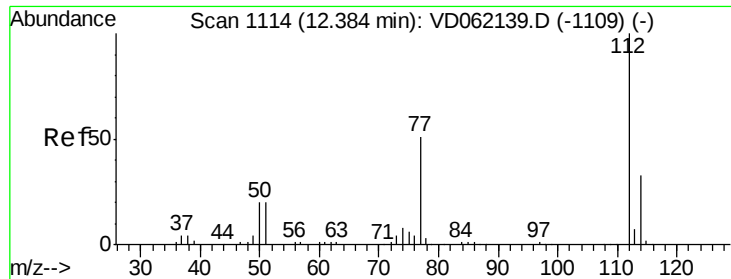
#64
Tetrachloroethene
Concen: 69.800 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion:164 Resp: 590006
Ion Ratio Lower Upper
164 100
166 126.7 101.5 152.3
129 86.3 74.6 112.0
131 84.0 72.6 108.8



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

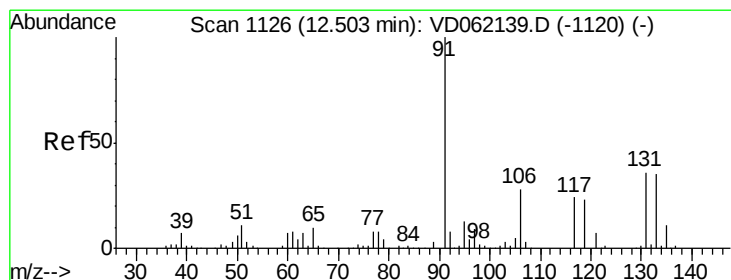
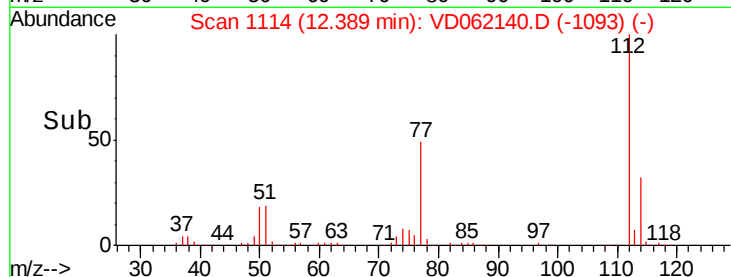
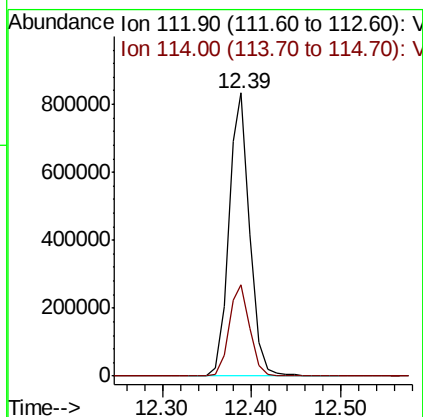
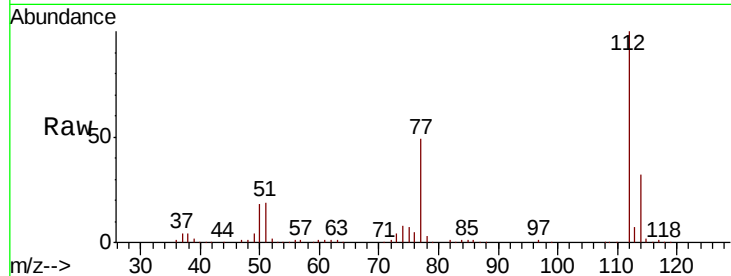




#65
Chlorobenzene
Concen: 71.535 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

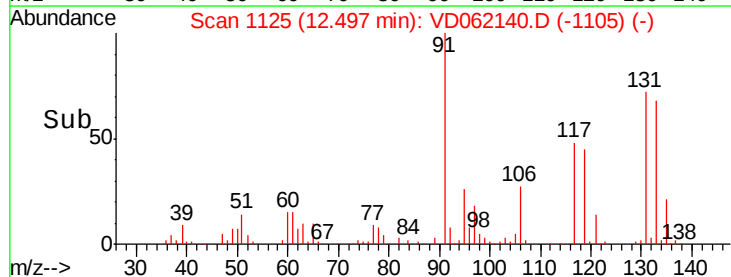
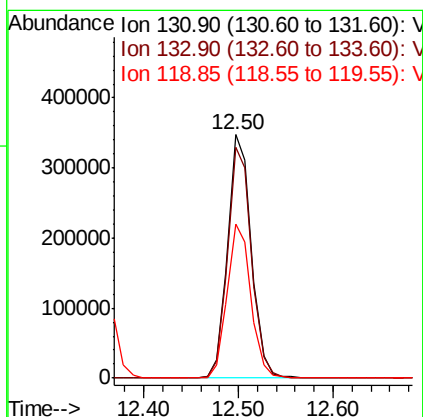
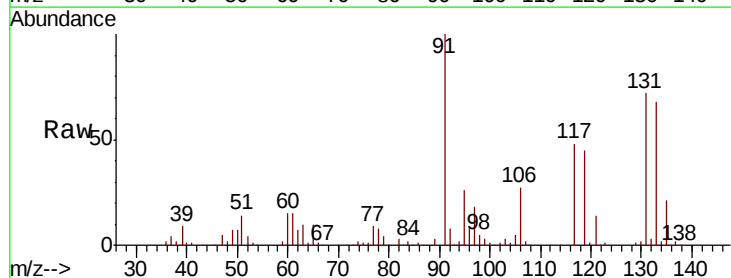
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:112 Resp: 1364265
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 66.314 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion:131 Resp: 598334
Ion Ratio Lower Upper
131 100
133 94.8 48.6 145.8
119 63.2 34.7 104.1

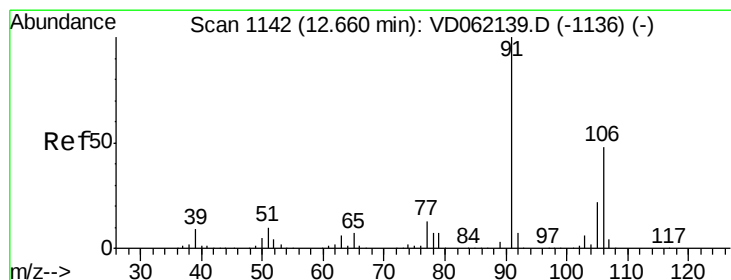
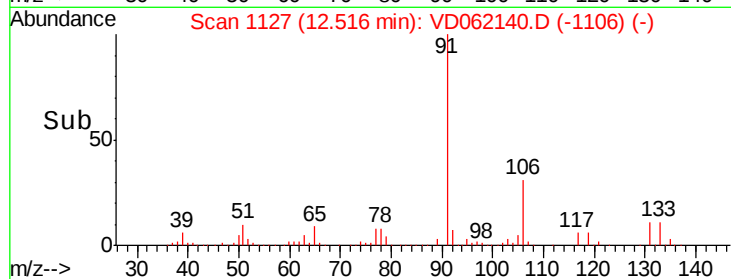
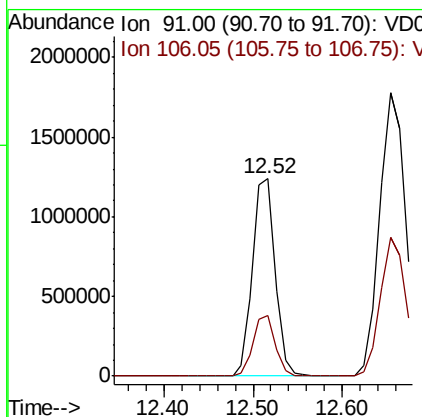
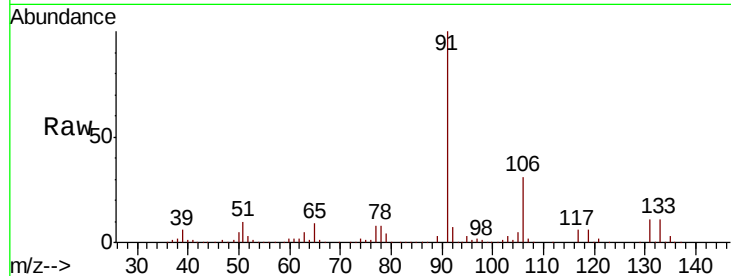




#67
Ethyl Benzene
Concen: 63.139 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

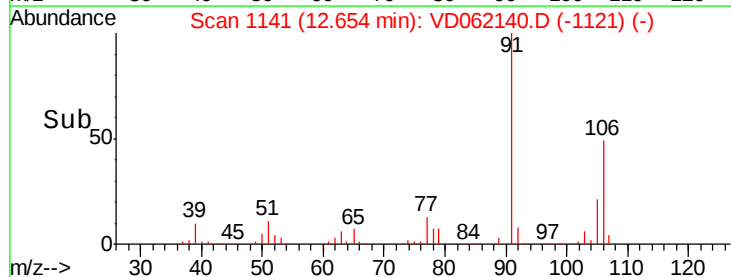
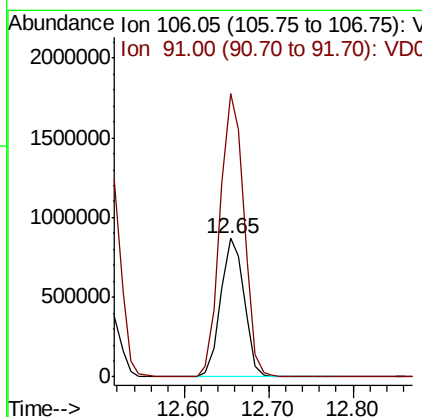
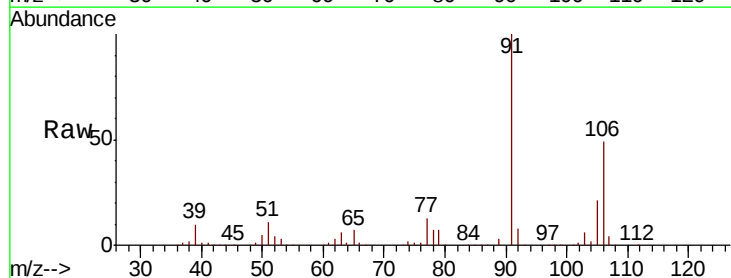
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

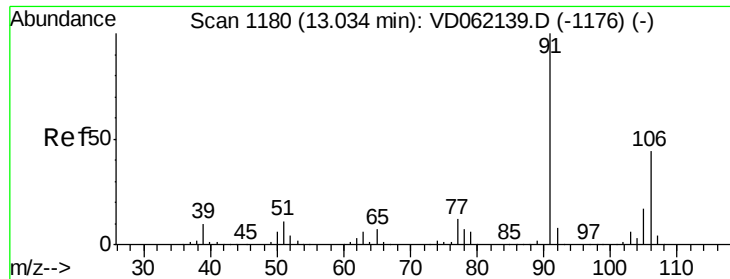
Tgt Ion: 91 Resp: 2165325
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#68
m/p-Xylenes
Concen: 130.923 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 106 Resp: 1688988
Ion Ratio Lower Upper
106 100
91 204.8 164.0 246.0

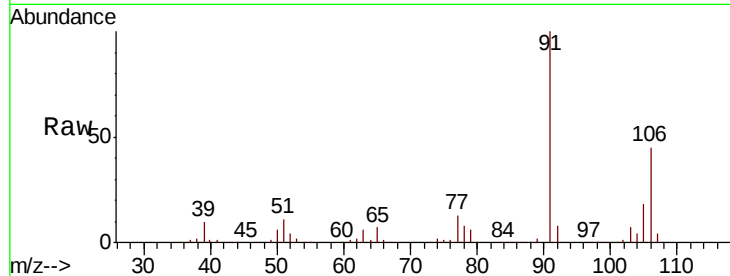




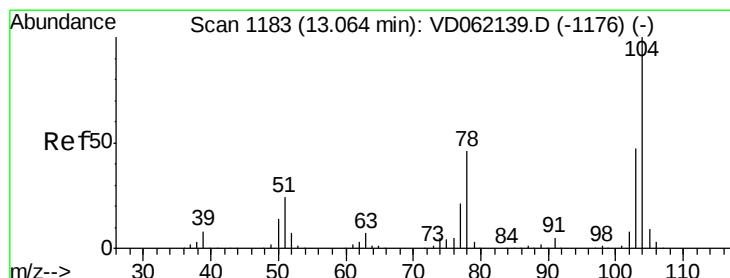
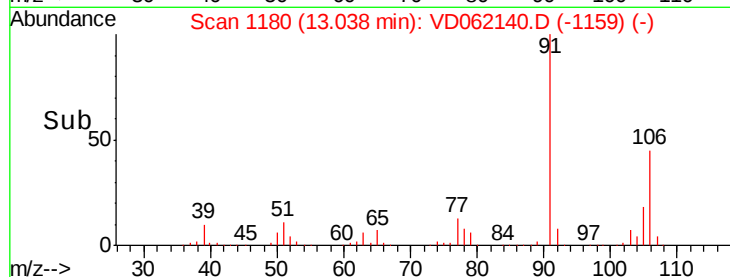
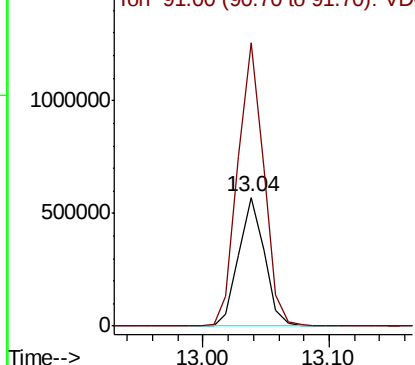
#69
o-Xylene
Concen: 69.672 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:106 Resp: 806778
Ion Ratio Lower Upper
106 100
91 220.1 106.7 319.9

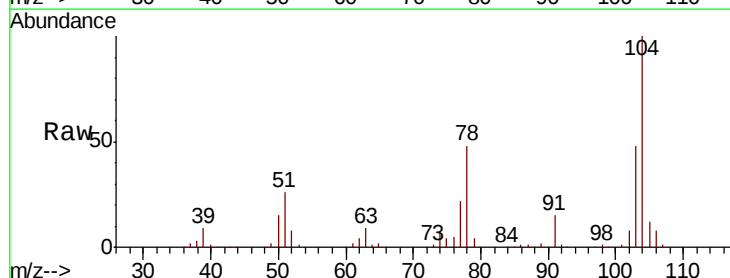


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

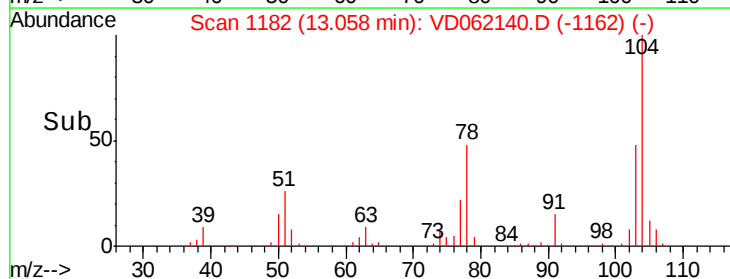
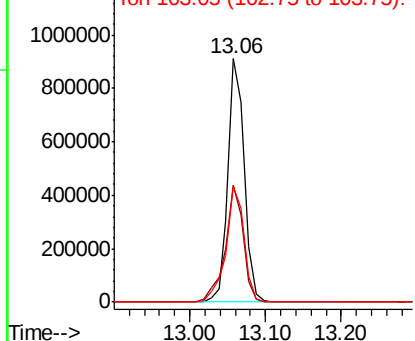


#70
Styrene
Concen: 71.437 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion:104 Resp: 1352363
Ion Ratio Lower Upper
104 100
78 47.9 35.4 53.2
103 47.7 37.5 56.3



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





#71

Bromoform

Concen: 70.424 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

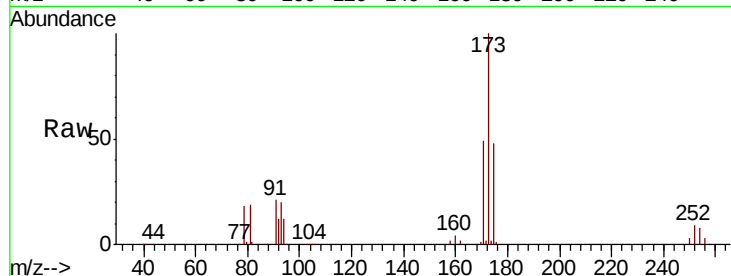
Tgt Ion:173 Resp: 440776

Ion Ratio Lower Upper

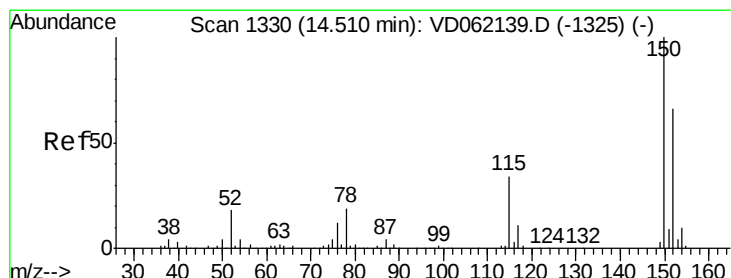
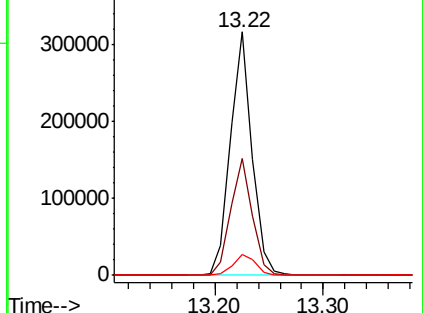
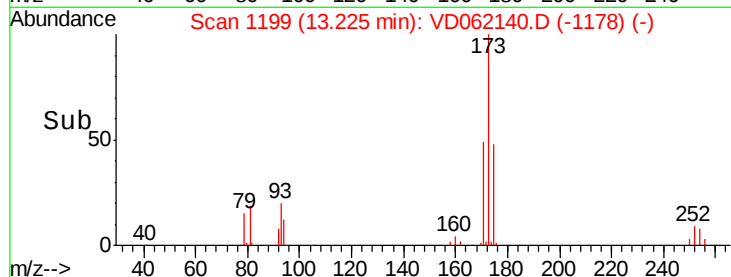
173 100

175 47.9 24.4 73.4

254 8.4 5.4 8.2#



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# 1330

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

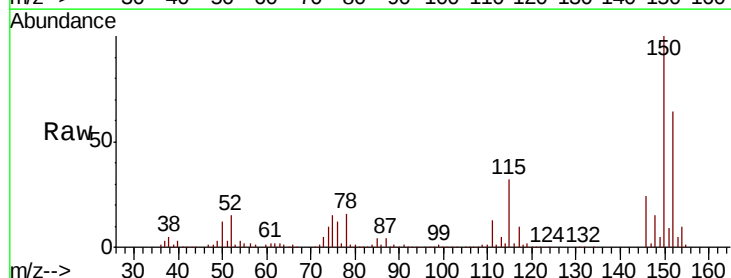
Tgt Ion:152 Resp: 526095

Ion Ratio Lower Upper

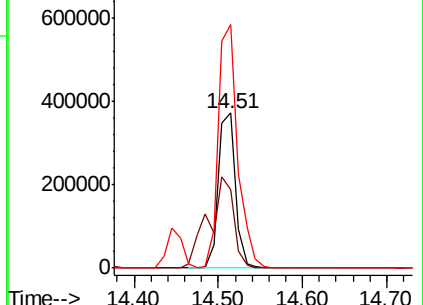
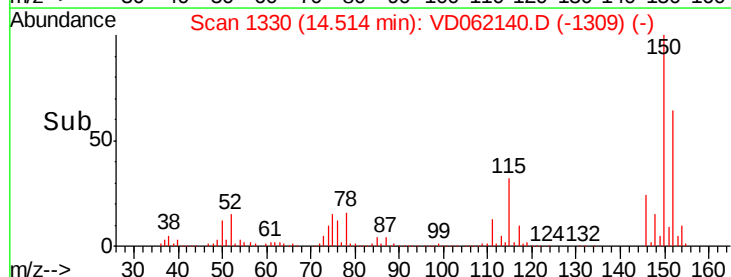
152 100

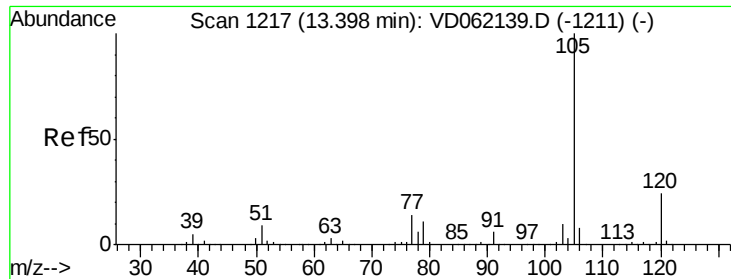
115 51.0 30.9 92.7

150 156.9 0.0 314.8



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: 68.978 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

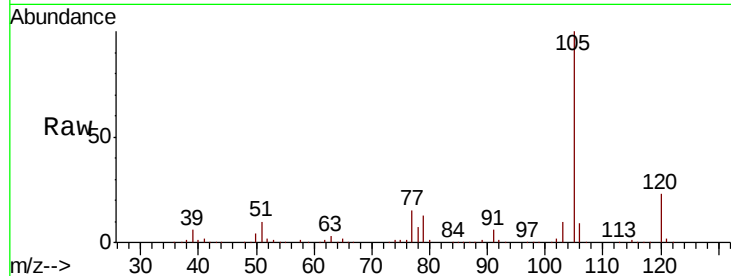
VSTDIC075

Tgt Ion:105 Resp: 2164754

Ion Ratio Lower Upper

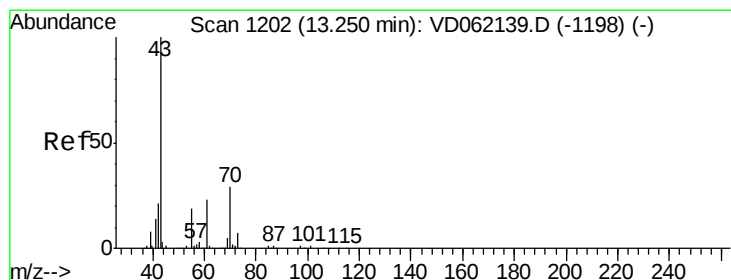
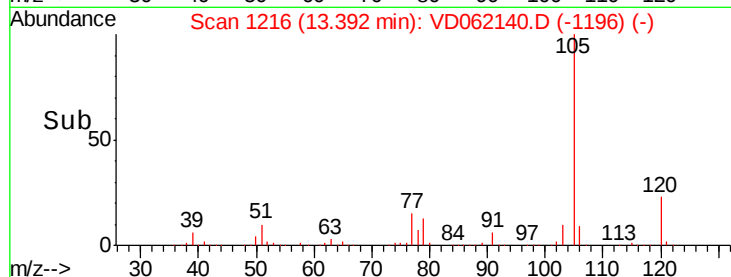
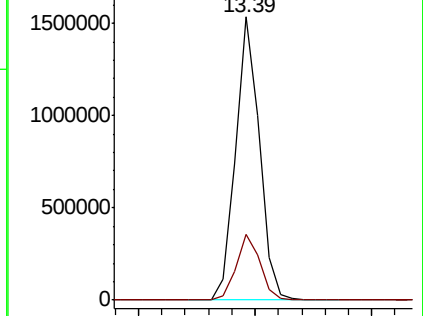
105 100

120 23.1 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 79.744 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Tgt Ion: 43 Resp: 646572

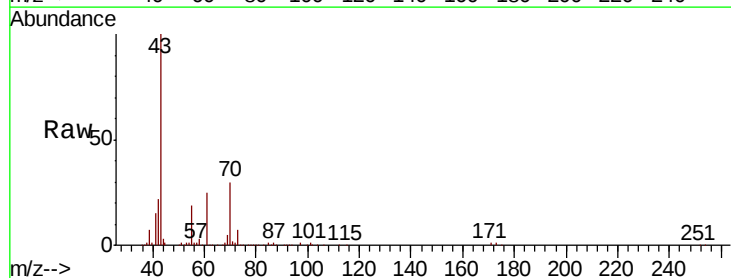
Ion Ratio Lower Upper

43 100

70 30.3 24.2 36.4

55 18.8 16.0 24.0

61 24.8 21.6 32.4

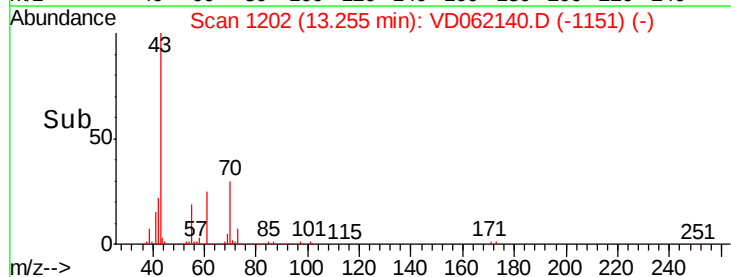
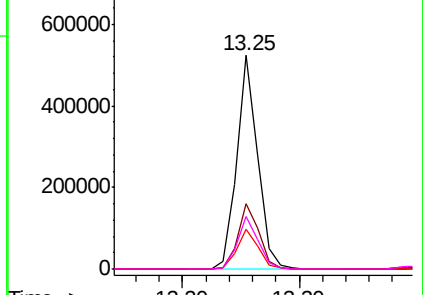


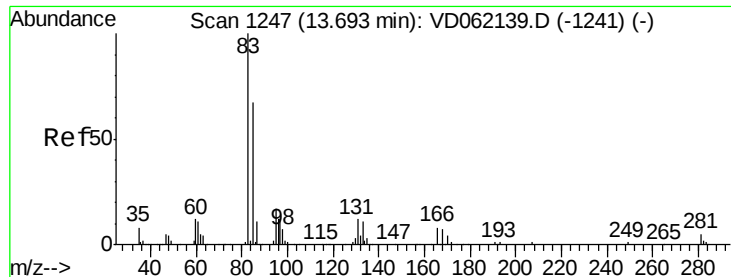
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 82.400 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

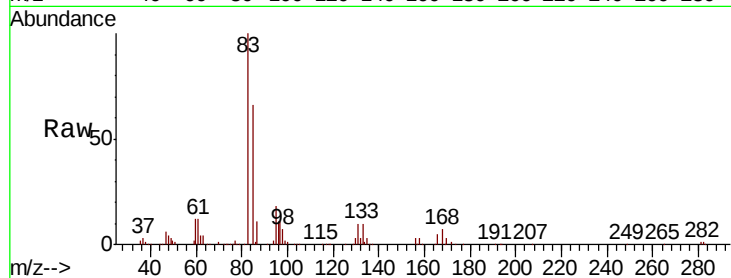
Tgt Ion: 83 Resp: 463554

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

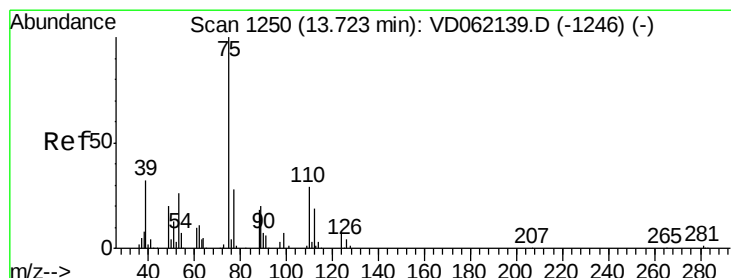
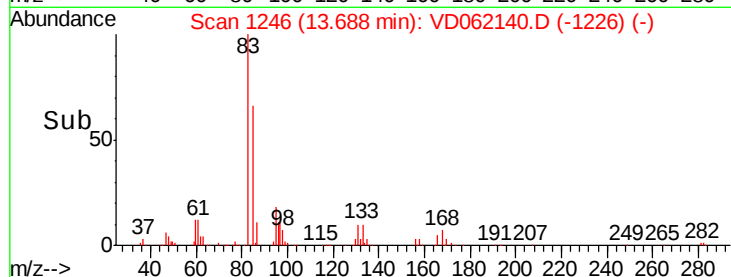
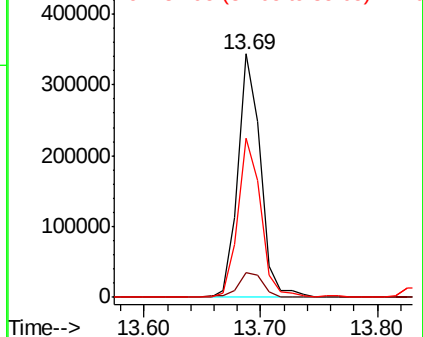
85 65.5 32.6 97.7



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: 80.084 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062140.D

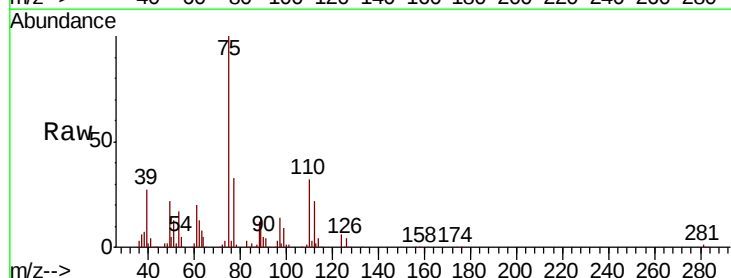
Acq: 7 May 2019 13:34

Tgt Ion: 75 Resp: 465037

Ion Ratio Lower Upper

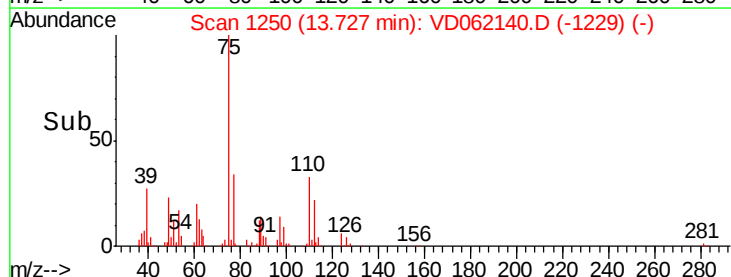
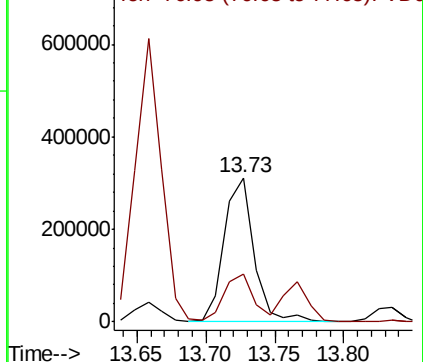
75 100

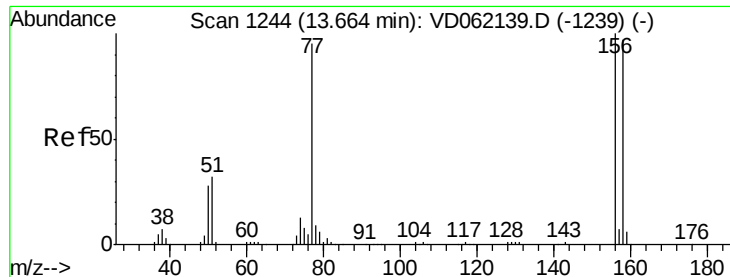
77 33.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 85.993 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

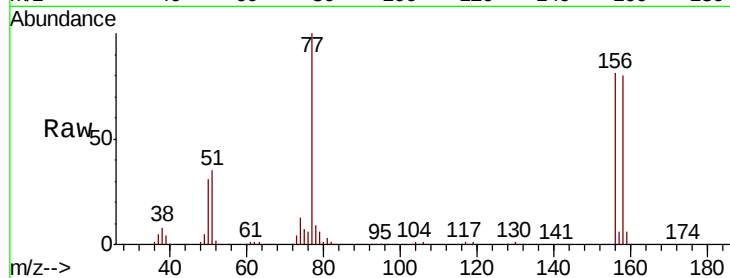
Tgt Ion:156 Resp: 702674

Ion Ratio Lower Upper

156 100

77 122.7 53.1 159.4

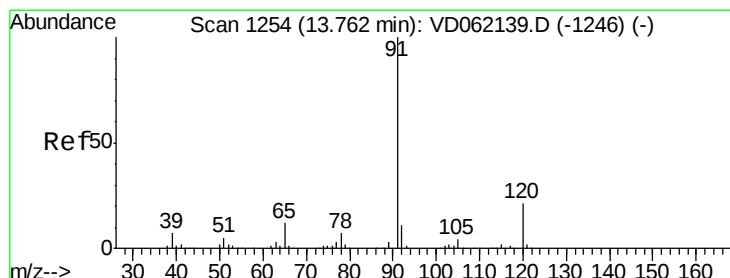
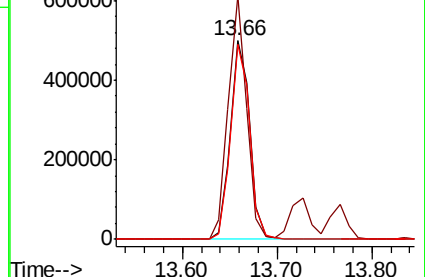
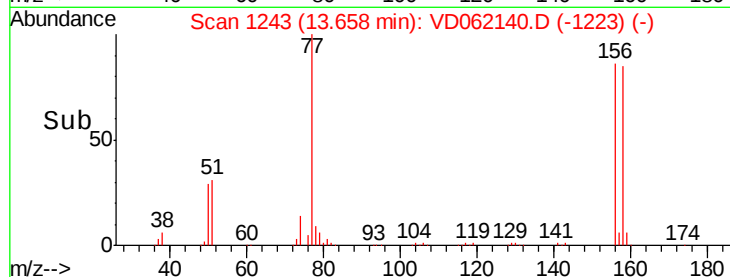
158 98.2 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 78.378 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062140.D

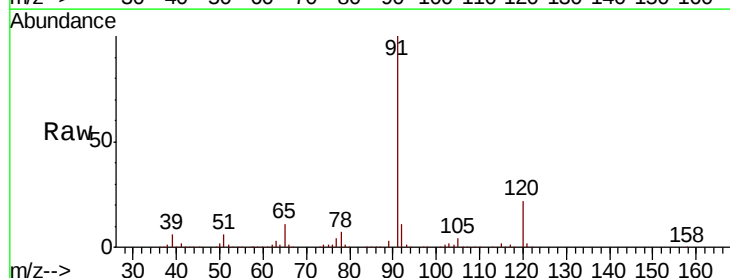
Acq: 7 May 2019 13:34

Tgt Ion: 91 Resp: 2784813

Ion Ratio Lower Upper

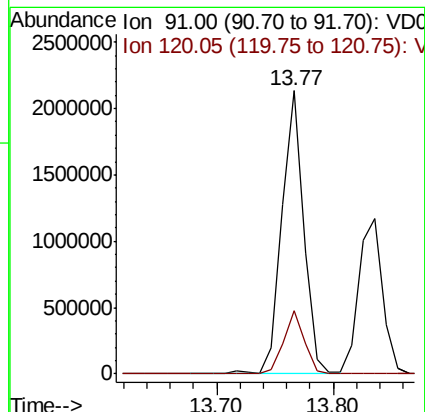
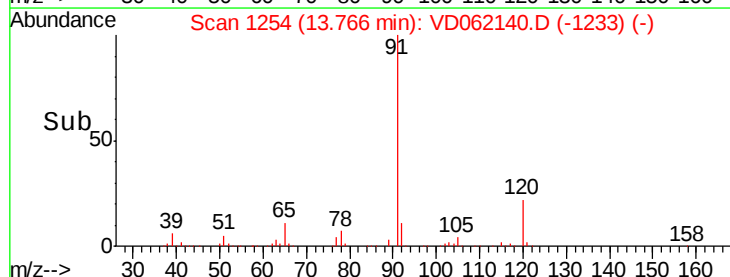
91 100

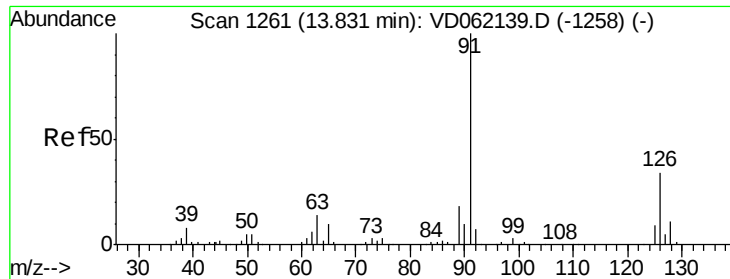
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 79.298 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

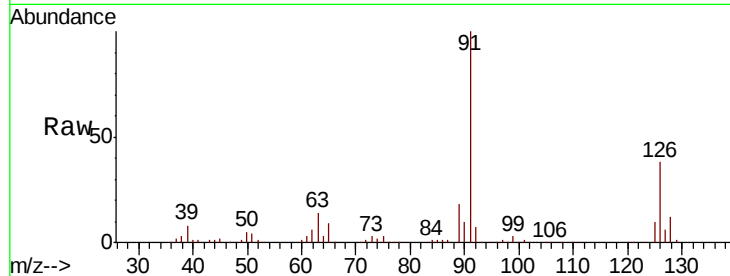
VSTDIC075

Tgt Ion: 91 Resp: 1663797

Ion Ratio Lower Upper

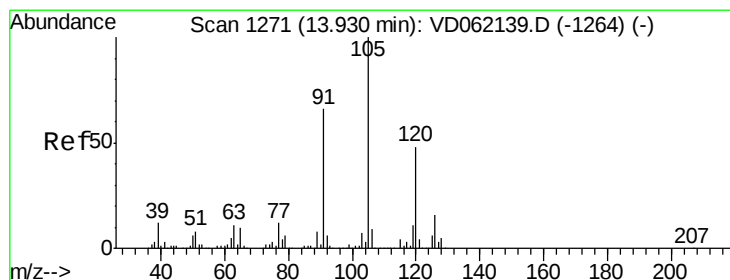
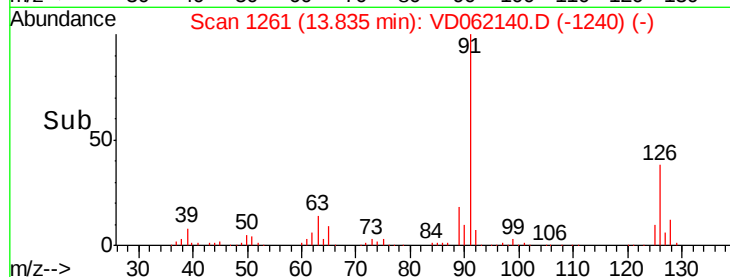
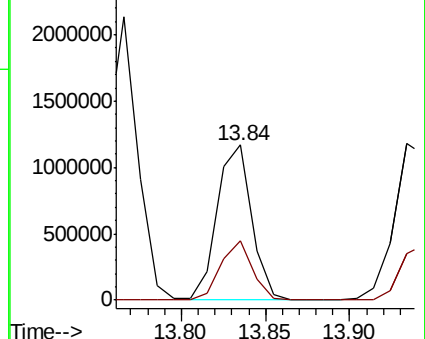
91 100

126 37.9 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD062139.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062139.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 77.742 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062140.D

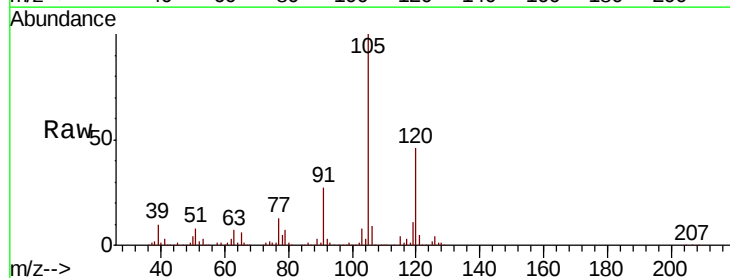
Acq: 7 May 2019 13:34

Tgt Ion: 105 Resp: 2001394

Ion Ratio Lower Upper

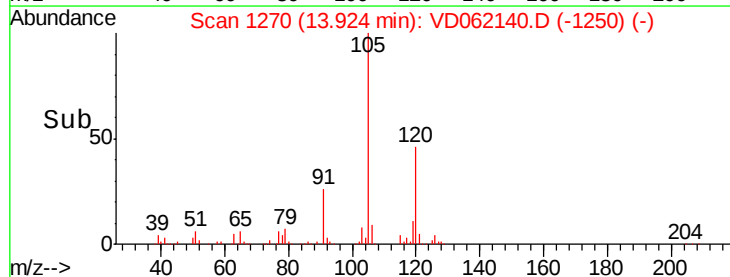
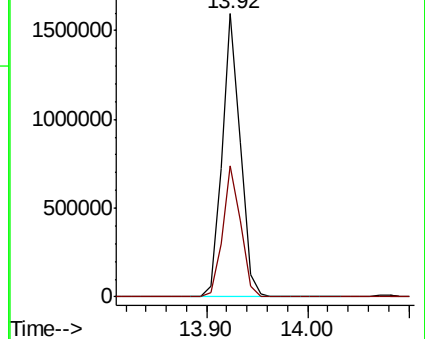
105 100

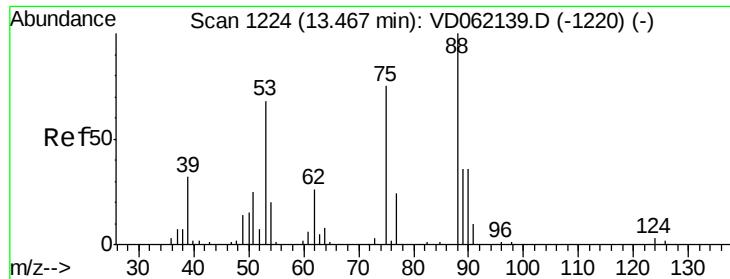
120 46.5 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD062139.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD062139.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 77.433 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

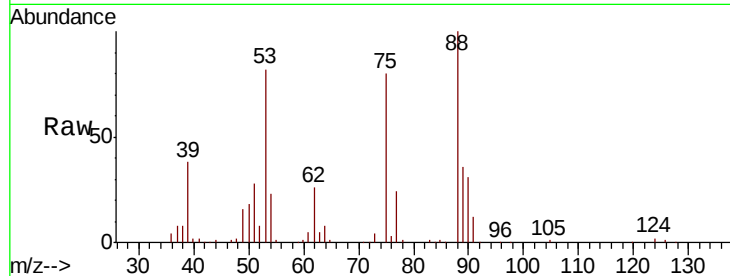
Tgt Ion: 75 Resp: 140154

Ion Ratio Lower Upper

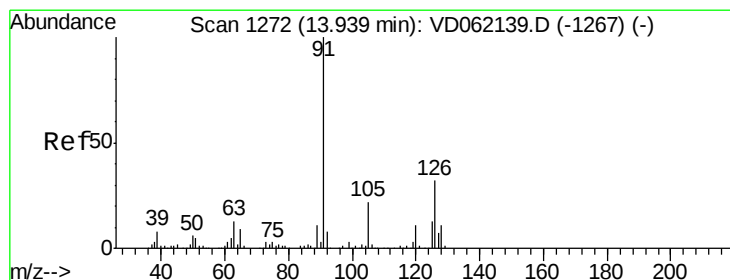
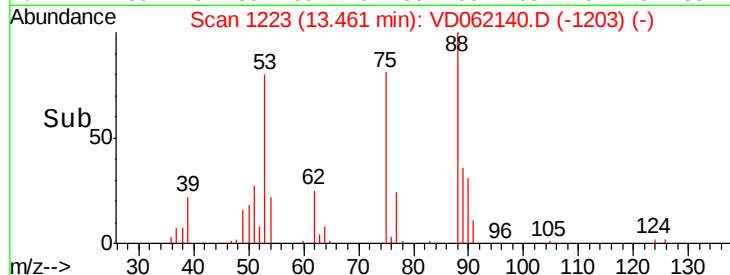
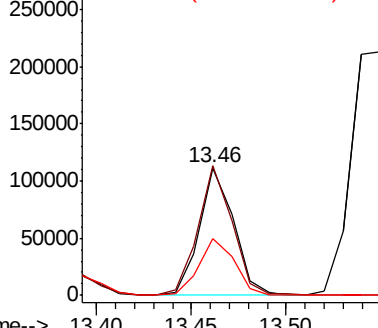
75 100

53 101.7 65.8 98.8#

89 45.0 35.0 52.6



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



#82

4-Chlorotoluene

Concen: 73.727 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062140.D

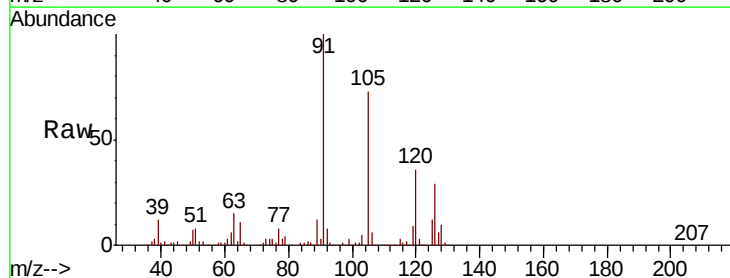
Acq: 7 May 2019 13:34

Tgt Ion: 91 Resp: 1826258

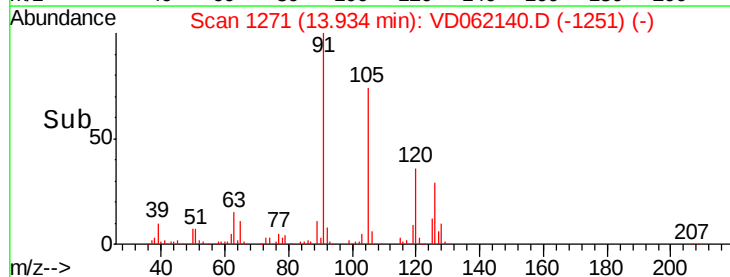
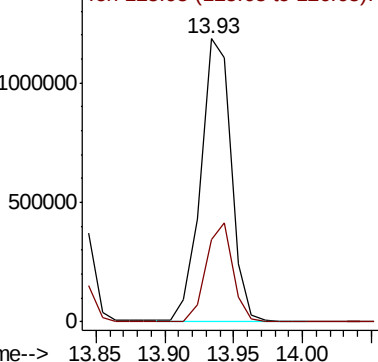
Ion Ratio Lower Upper

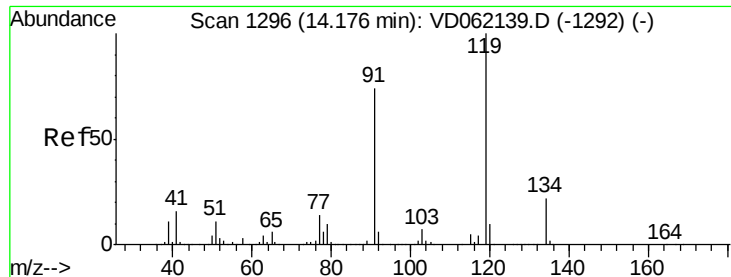
91 100

126 29.3 19.1 57.5



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

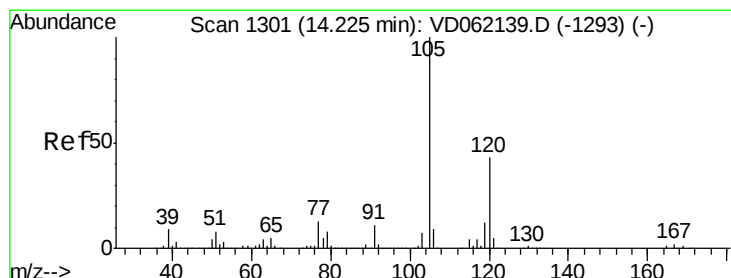
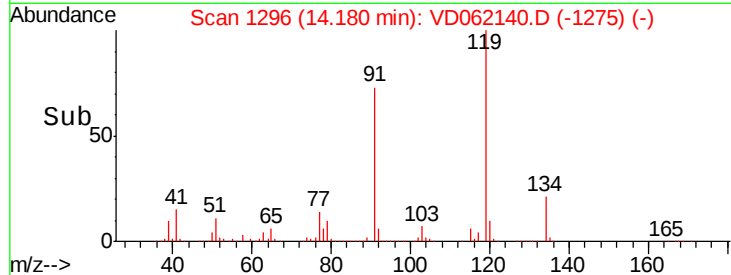
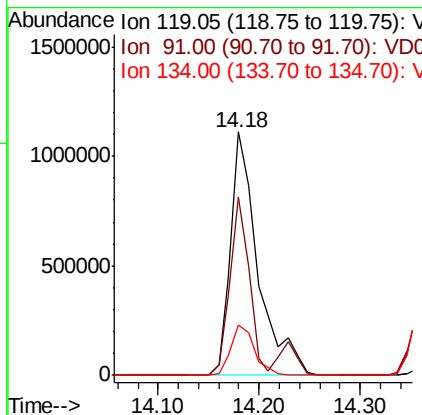
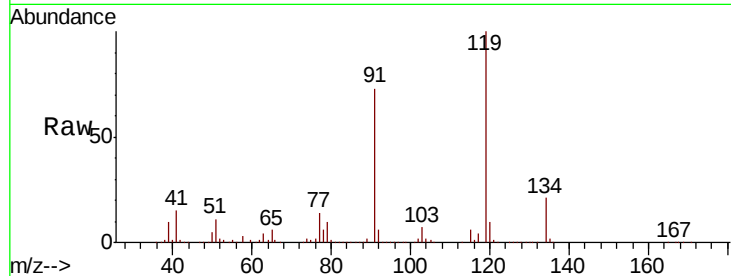




#83
 tert-Butylbenzene
 Concen: 70.032 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

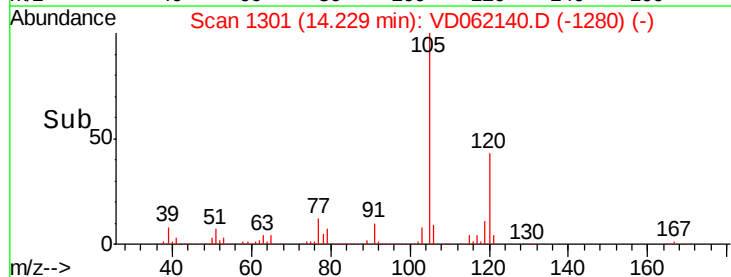
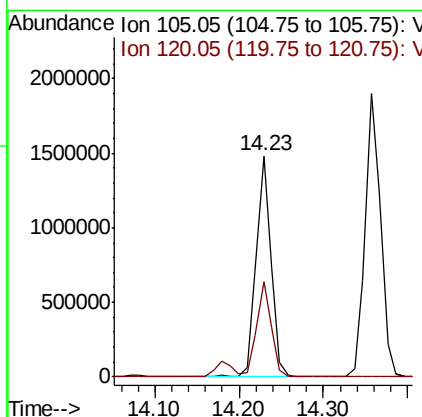
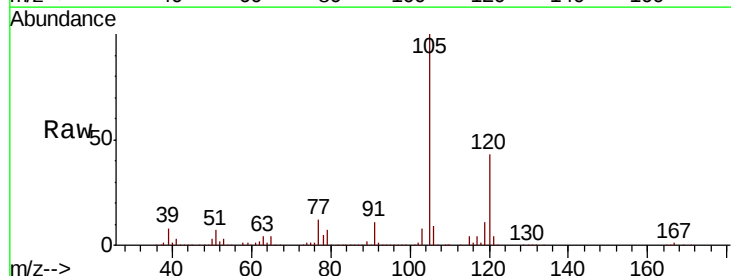
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

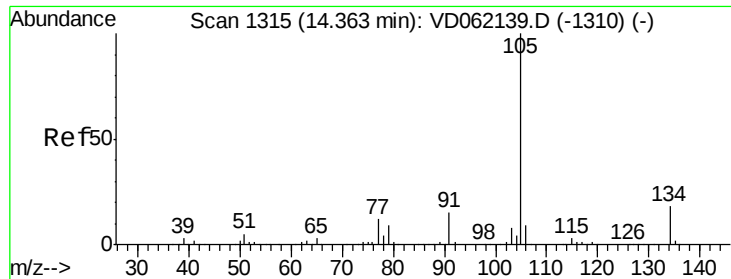
Tgt Ion:119 Resp: 2090780
 Ion Ratio Lower Upper
 119 100
 91 73.5 34.2 102.6
 134 20.9 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 71.445 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion:105 Resp: 1852877
 Ion Ratio Lower Upper
 105 100
 120 42.9 23.1 69.2

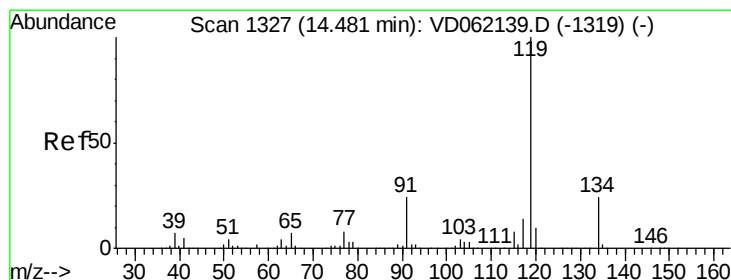
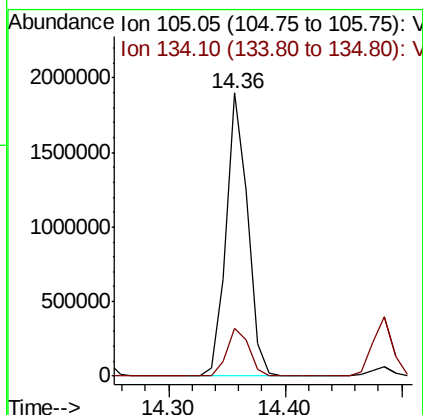
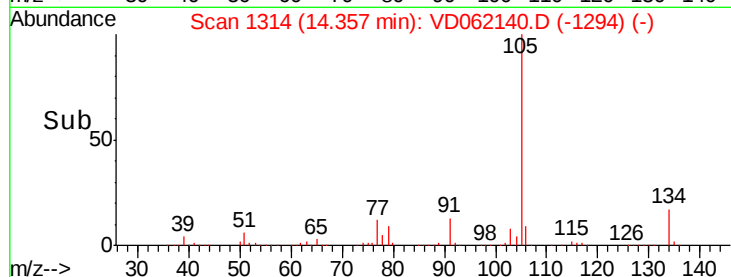
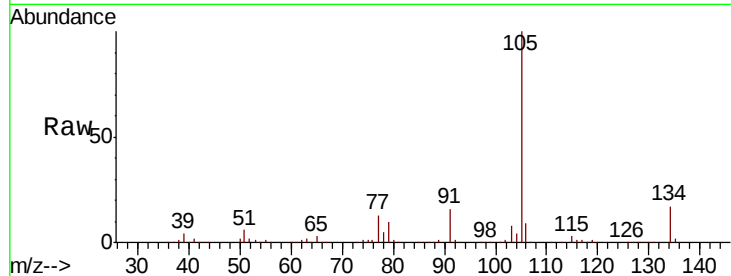




#85
 sec-Butylbenzene
 Concen: 75.536 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

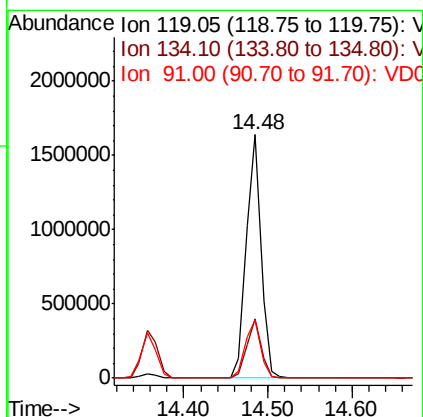
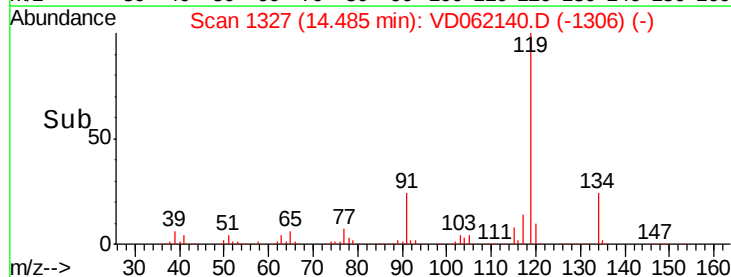
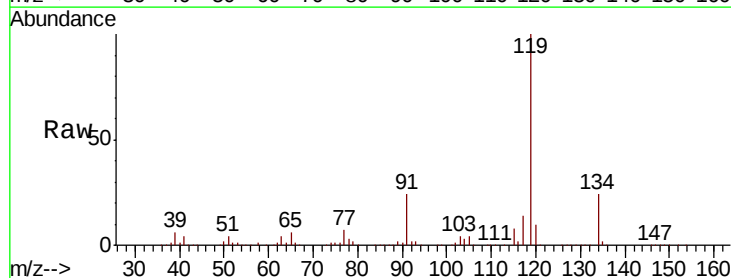
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:105 Resp: 2413872
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 65.929 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion:119 Resp: 2009621
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.8 38.3
 91 23.7 10.7 32.1

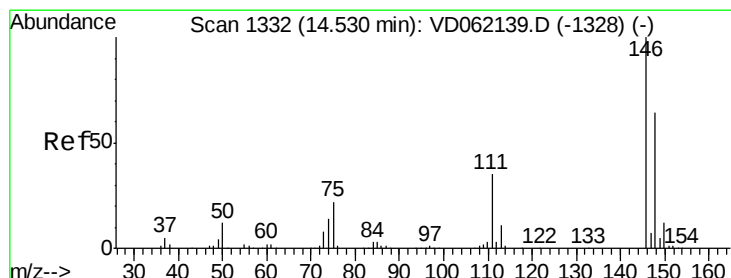
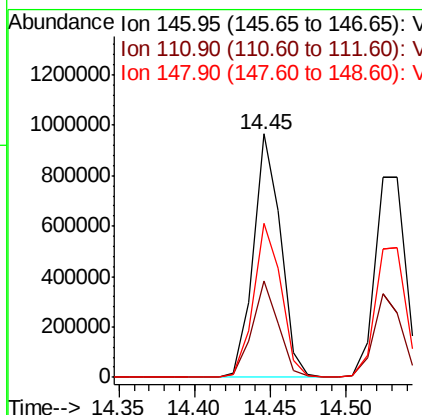
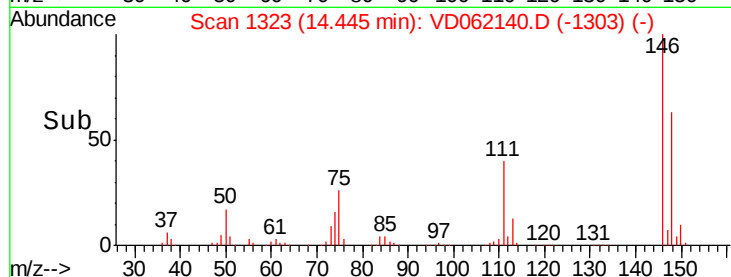
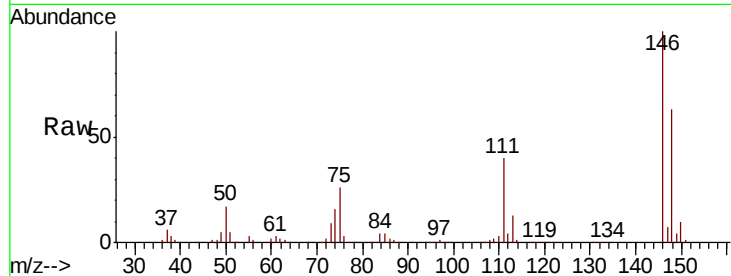




#87
 1,3-Dichlorobenzene
 Concen: 77.375 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

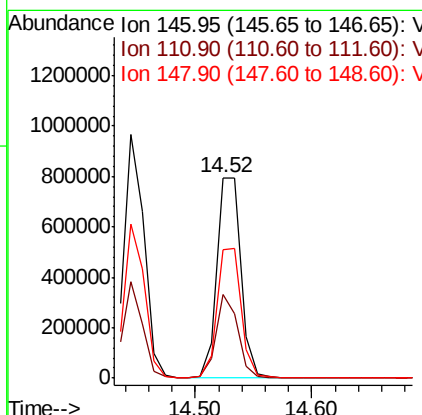
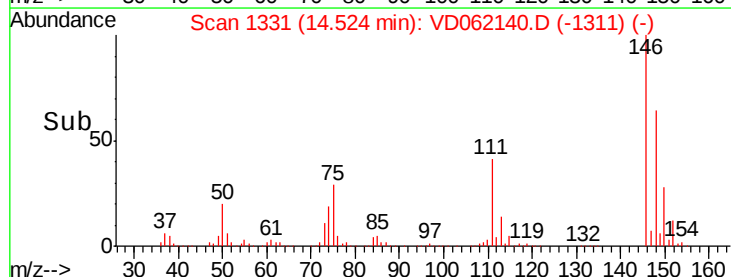
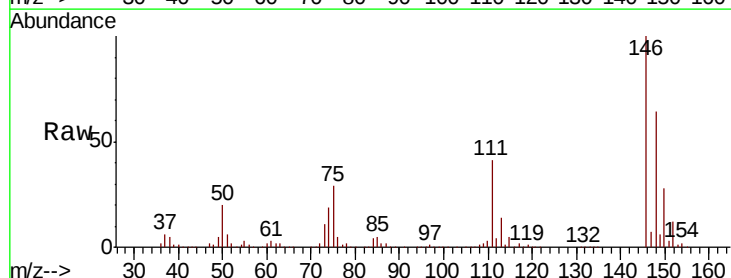
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

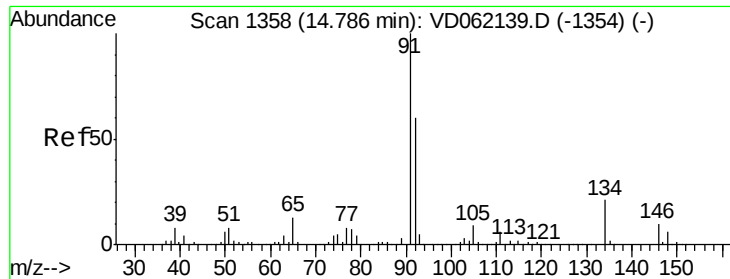
Tgt Ion:146 Resp: 1216805
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 60.0
 148 63.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 76.359 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion:146 Resp: 1138607
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.2 60.5
 148 63.8 32.0 96.2





#89

n-Butylbenzene

Concen: 72.398 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

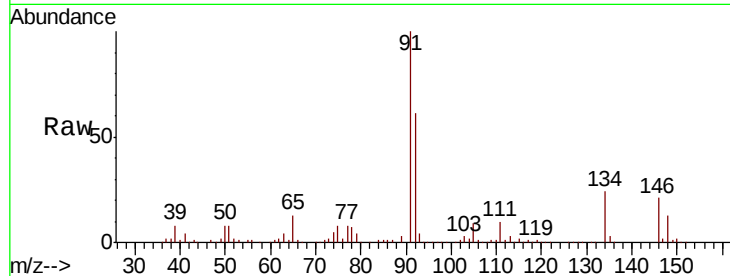
Tgt Ion: 91 Resp: 1786875

Ion Ratio Lower Upper

91 100

92 60.7 30.3 91.0

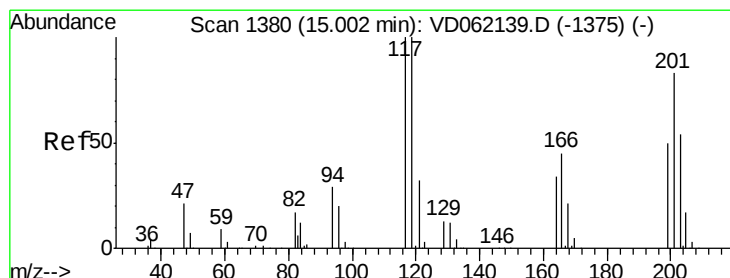
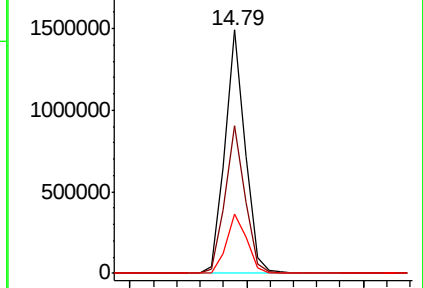
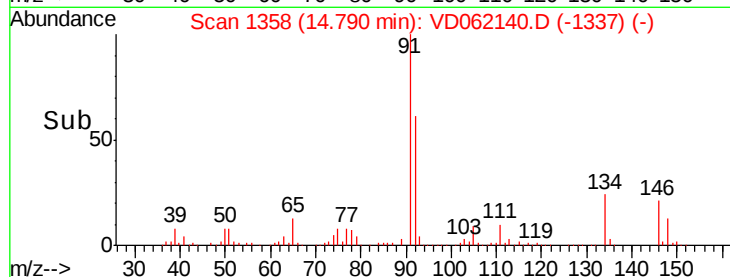
134 24.1 14.5 43.6



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: 76.079 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062140.D

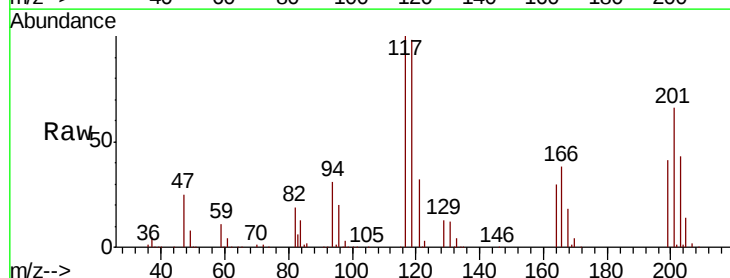
Acq: 7 May 2019 13:34

Tgt Ion: 117 Resp: 604373

Ion Ratio Lower Upper

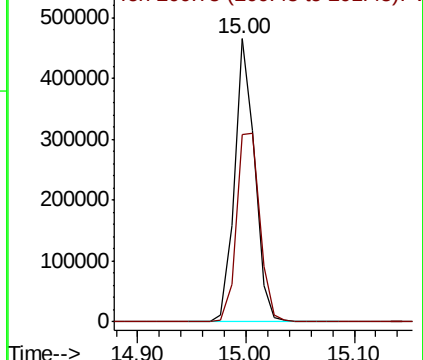
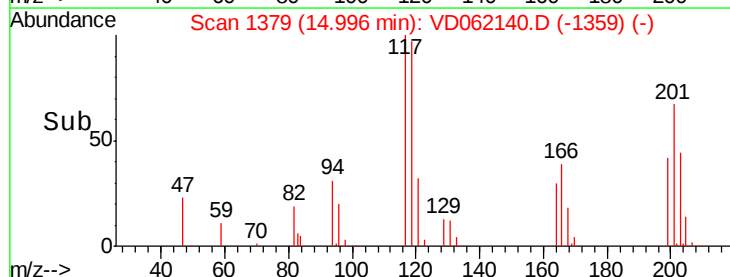
117 100

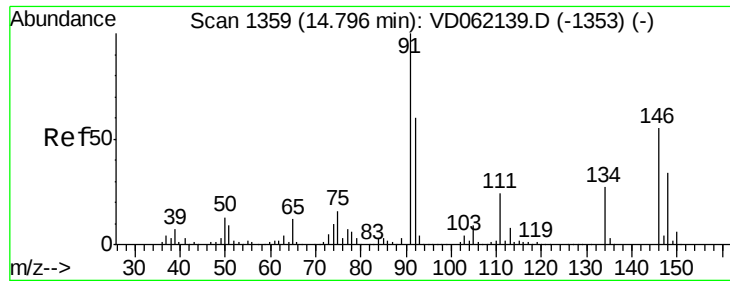
201 66.1 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

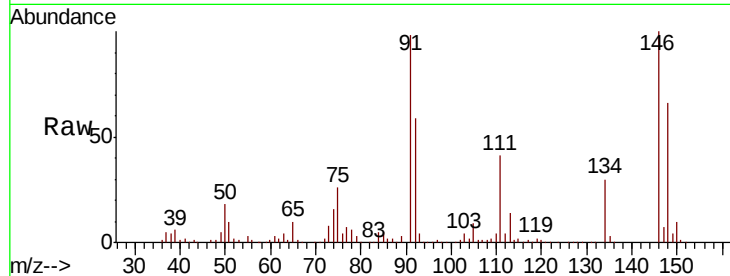




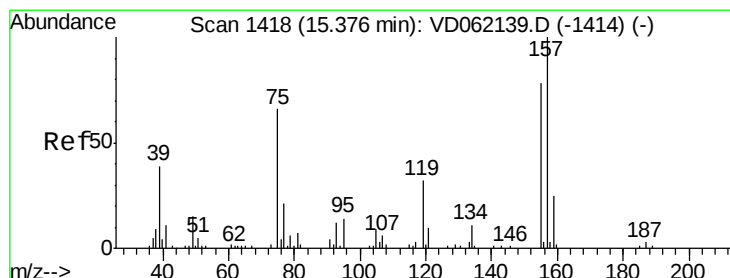
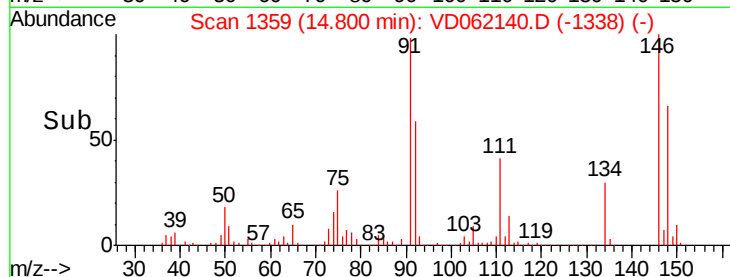
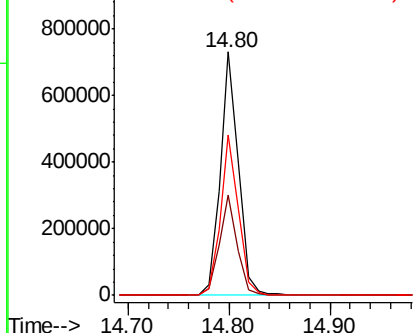
#91
 1,2-Dichlorobenzene
 Concen: 74.550 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 146 Resp: 914279
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.0 59.9
 148 66.0 32.3 96.8

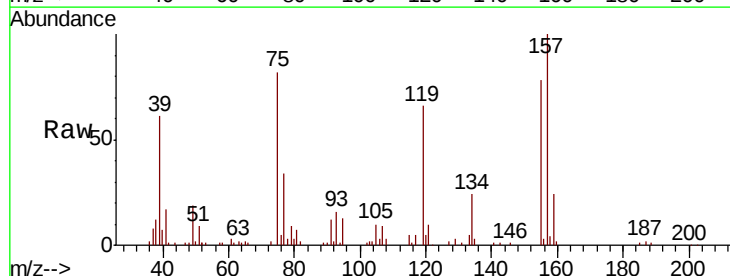


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

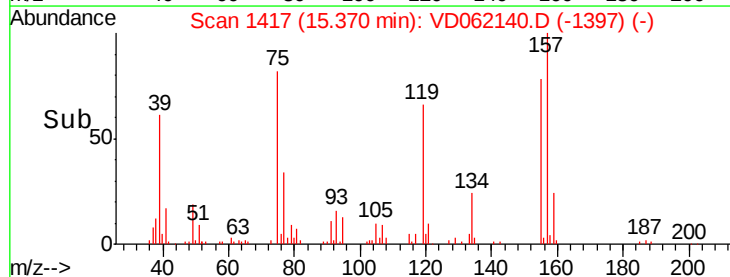
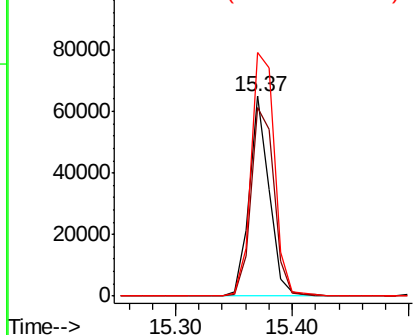


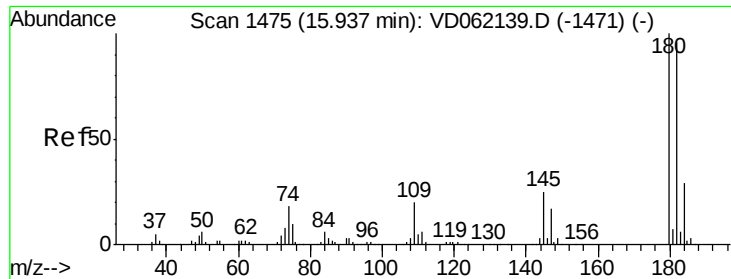
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 81.164 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion: 75 Resp: 77081
 Ion Ratio Lower Upper
 75 100
 155 94.6 55.3 165.8
 157 122.1 67.8 203.2



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

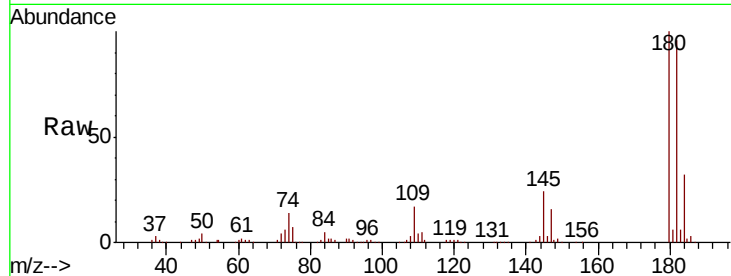




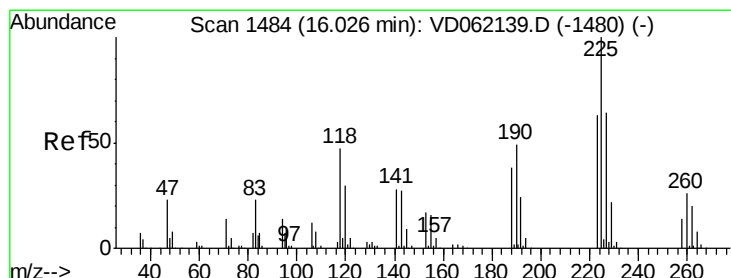
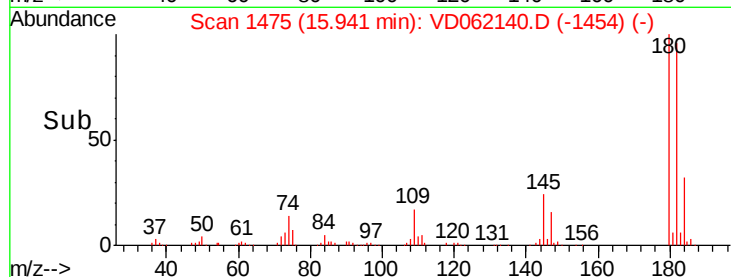
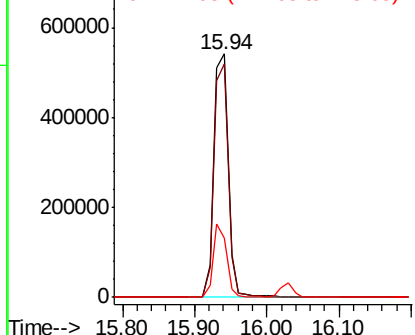
#93
 1,2,4-Trichlorobenzene
 Concen: 83.058 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 742495
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.3 147.8
 145 24.4 16.2 48.6

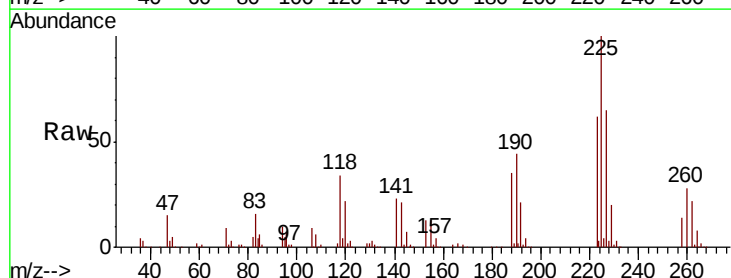


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

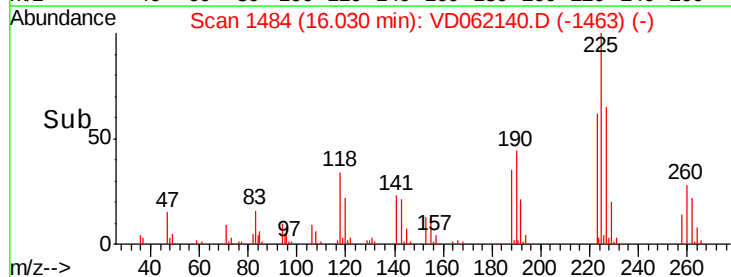
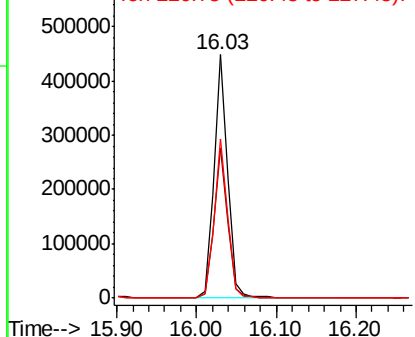


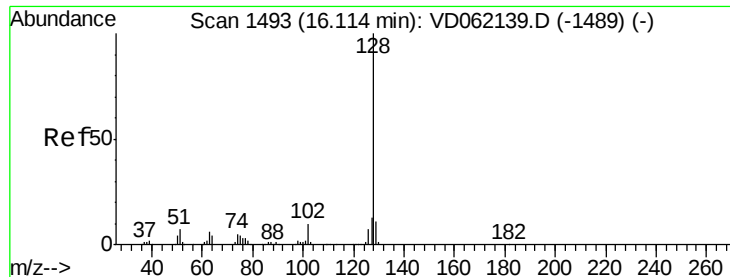
#94
 Hexachlorobutadiene
 Concen: 78.562 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion:225 Resp: 544207
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.6 92.0
 227 65.1 32.0 96.2



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: 79.277 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

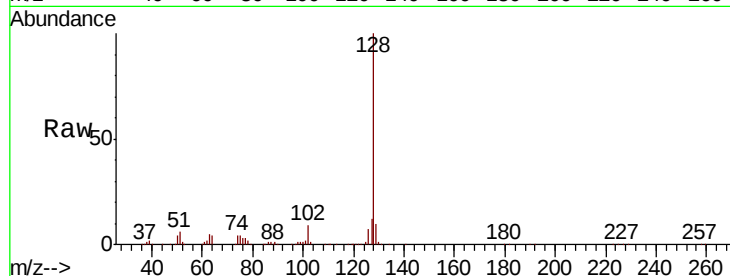
Tgt Ion:128 Resp: 1060814

Ion Ratio Lower Upper

128 100

127 12.2 9.8 14.8

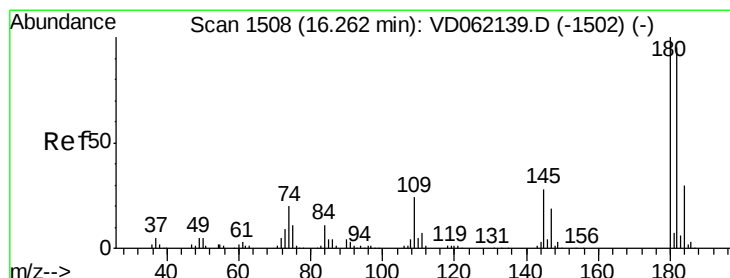
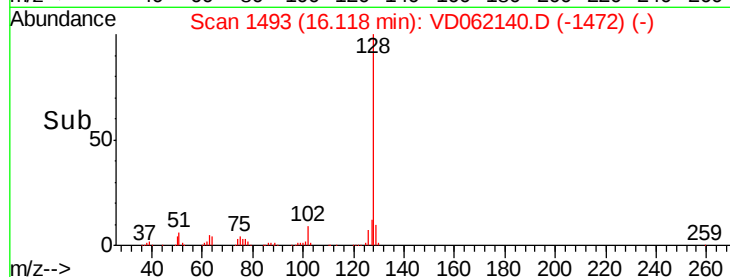
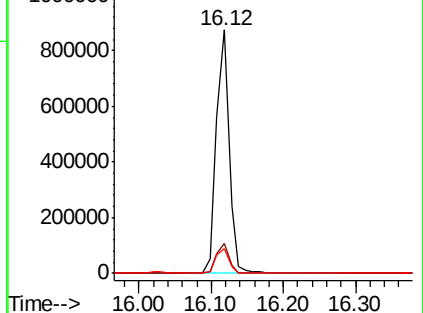
129 10.3 8.8 13.2



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: 78.432 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

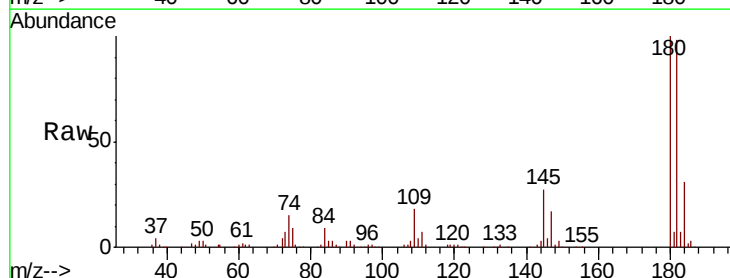
Tgt Ion:180 Resp: 462731

Ion Ratio Lower Upper

180 100

182 98.0 47.0 141.0

145 26.6 17.0 51.0



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

