

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120121\
 Data File : VD071109.D
 Acq On : 01 Dec 2021 16:45
 Operator : VA/SY
 Sample : M4877-03
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-5-120121

Quant Time: Dec 02 03:15:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

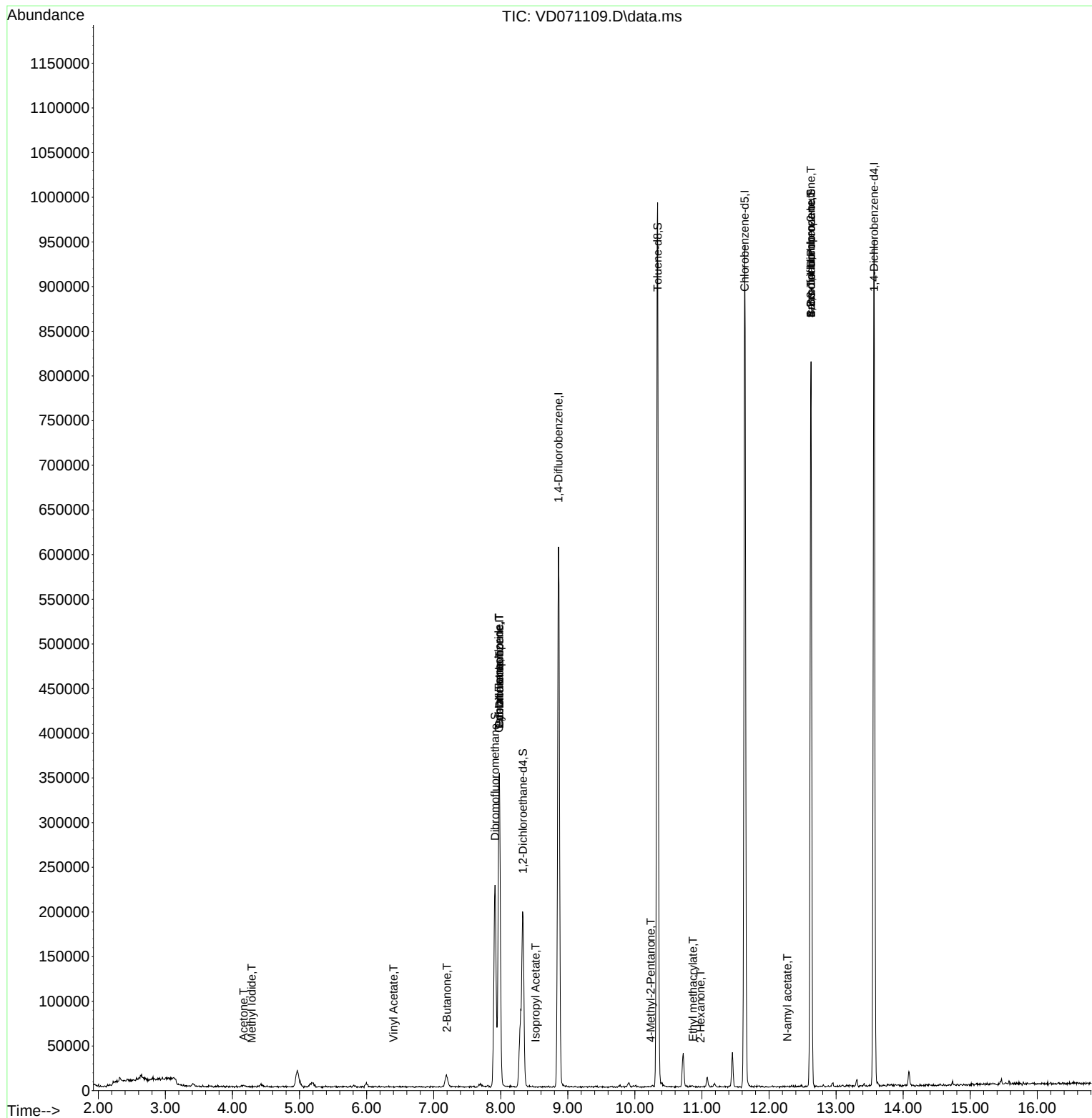
Internal Standards						
1) Pentafluorobenzene	7.979	168	252780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.862	114	489799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	510724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	231346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	148054	49.916	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.840%			
35) Dibromofluoromethane	7.915	113	159577	51.163	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.320%			
50) Toluene-d8	10.338	98	643479	54.213	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.420%			
62) 4-Bromofluorobenzene	12.626	95	243202	59.111	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.220%			
Target Compounds			Qvalue			
10) Methyl Iodide	4.285	142	54	4.577	ug/l #	40
11) Tert butyl alcohol	5.185	59	848	Below Cal	#	71
16) Acetone	4.168	43	2981	34.115	ug/l	90
23) Vinyl Acetate	6.403	43	64	27.230	ug/l #	72
25) 2-Butanone	7.197	43	1156	29.486	ug/l #	45
31) Cyclohexane	7.979	56	6496	1.288	ug/l #	23
36) 1,1-Dichloropropene	7.979	75	23257	5.080	ug/l #	49
38) Carbon Tetrachloride	7.973	117	27322	6.055	ug/l #	17
41) Methacrylonitrile	7.538	41	76	Below Cal	#	33
43) Isopropyl Acetate	8.520	43	169	5.258	ug/l #	47
51) 4-Methyl-2-Pentanone	10.238	43	555	30.870	ug/l #	34
56) Ethyl methacrylate	10.867	69	68	5.989	ug/l #	1
59) 2-Hexanone	10.979	43	239	34.697	ug/l #	22
71) Bromoform	12.626	173	2144	1.196	ug/l #	1
74) N-amyl acetate	12.273	43	67	5.714	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	132122	59.942	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	132122	129.784	ug/l #	18

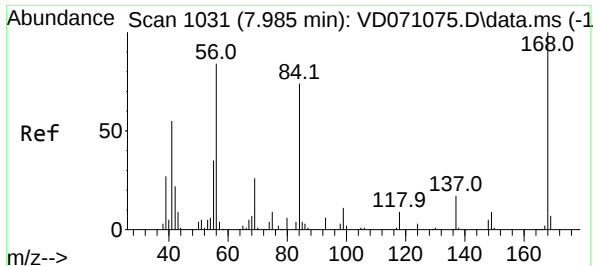
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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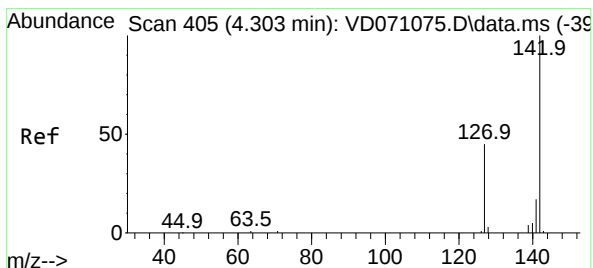
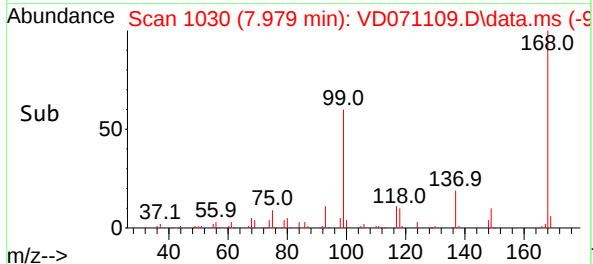
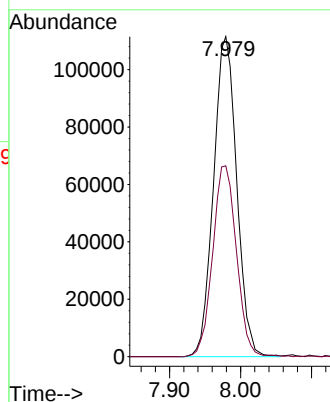
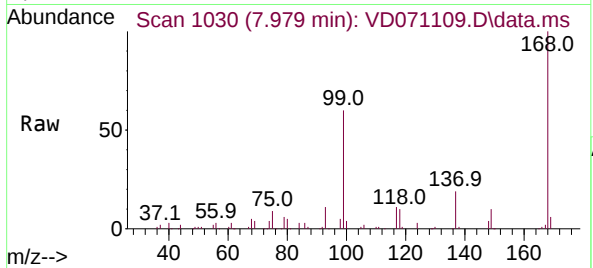




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

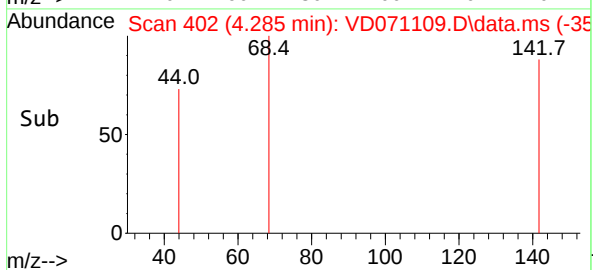
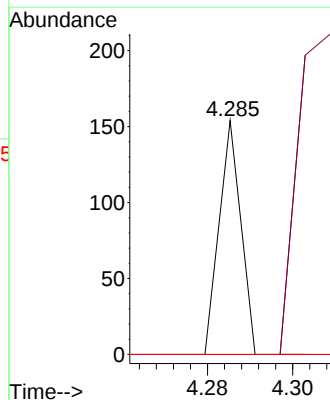
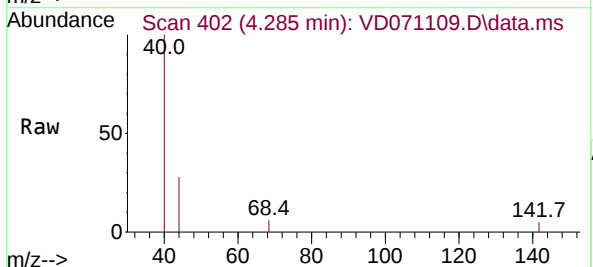
Instrument :
MSVOA_D
ClientSampleId :
PL-5-120121

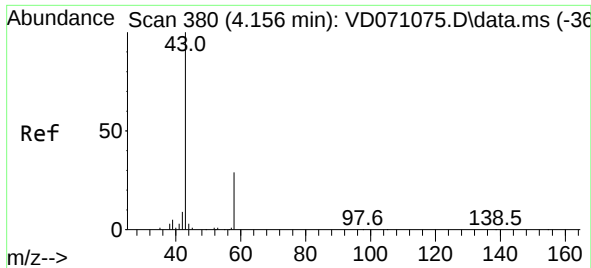
Tgt Ion:168 Resp: 252780
Ion Ratio Lower Upper
168 100
99 59.6 46.6 69.8



#10
Methyl Iodide
Concen: 4.577 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.018 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

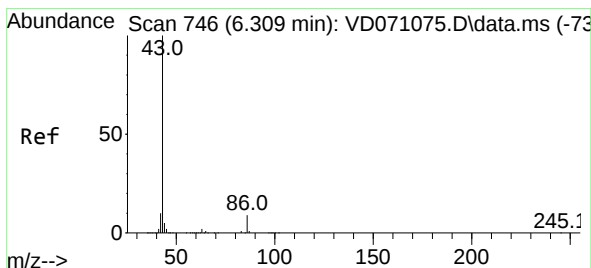
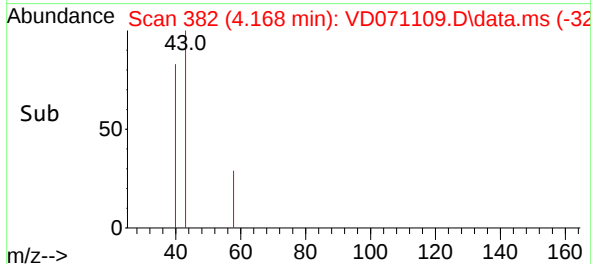
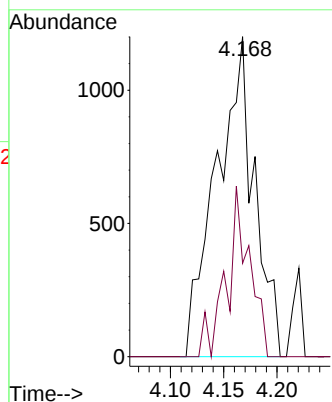
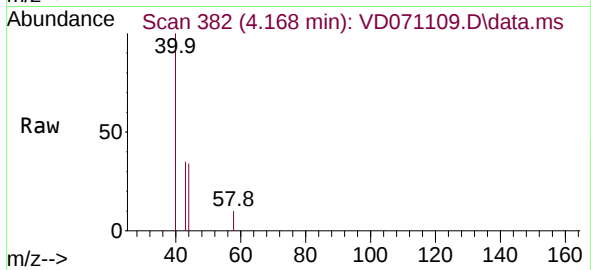




#16
Acetone
Concen: 34.115 ug/l
RT: 4.168 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

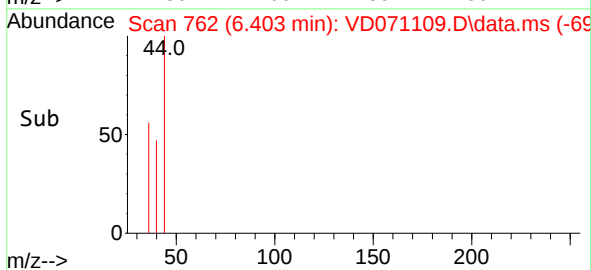
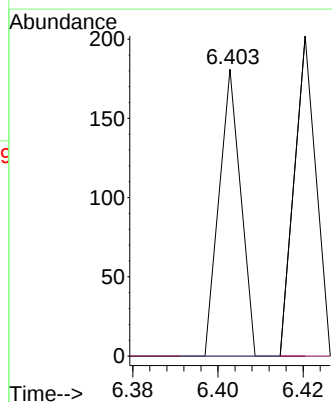
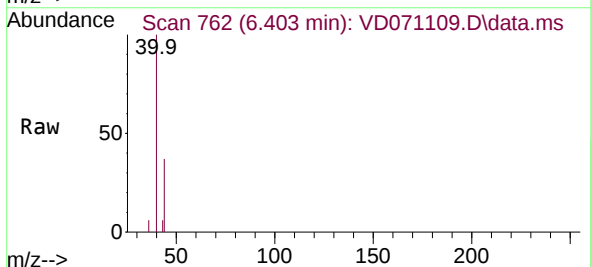
Instrument :
MSVOA_D
ClientSampleId :
PL-5-120121

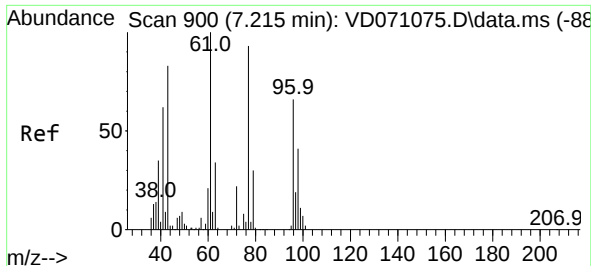
Tgt Ion: 43 Resp: 2981
Ion Ratio Lower Upper
43 100
58 29.2 27.8 41.8



#23
Vinyl Acetate
Concen: 27.230 ug/l
RT: 6.403 min Scan# 762
Delta R.T. 0.094 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

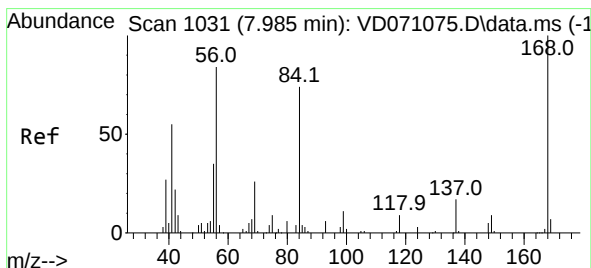
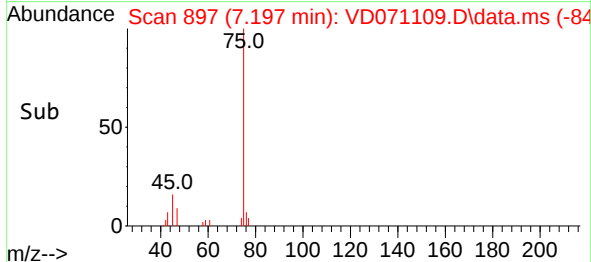
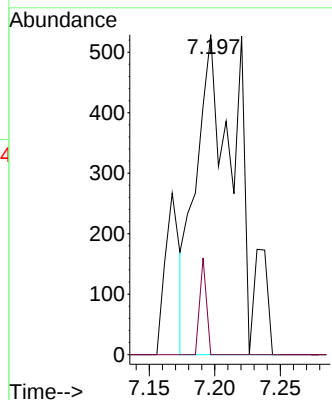
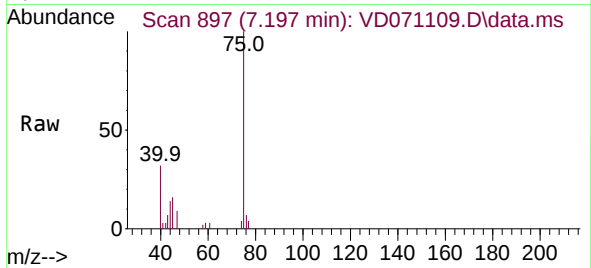




#25
2-Butanone
Concen: 29.486 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

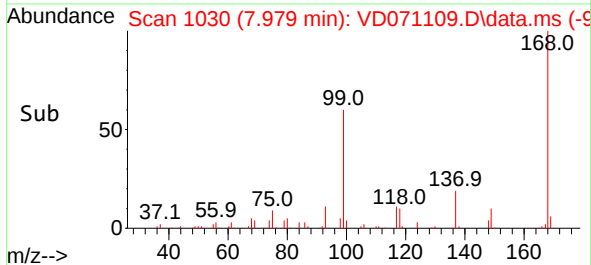
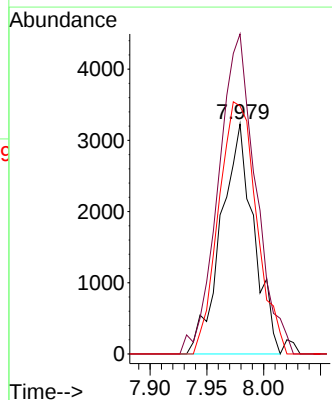
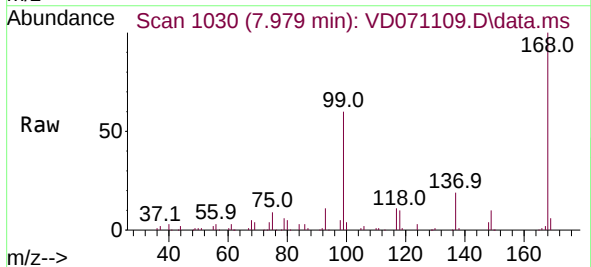
Instrument :
MSVOA_D
ClientSampleId :
PL-5-120121

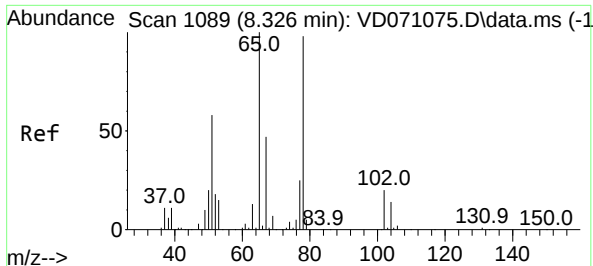
Tgt Ion: 43 Resp: 1156
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.288 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

Tgt Ion: 56 Resp: 6496
Ion Ratio Lower Upper
56 100
69 139.2 25.9 38.9#
84 107.8 64.3 96.5#

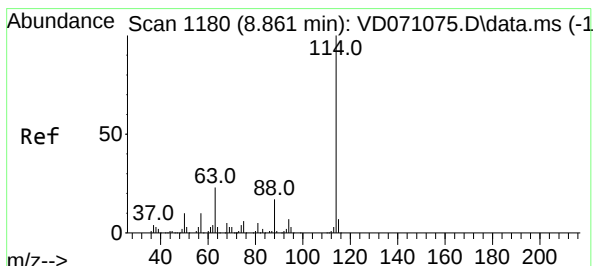
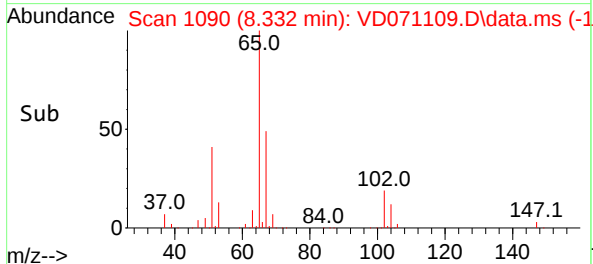
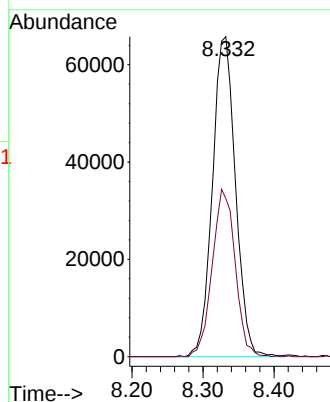
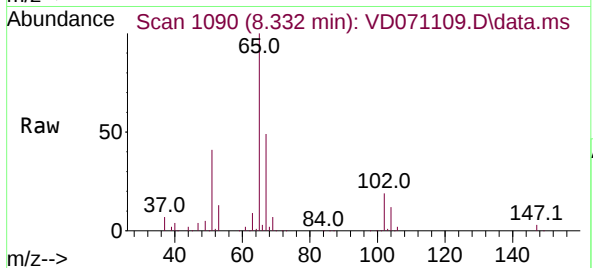




#33
1,2-Dichloroethane-d4
Concen: 49.916 ug/l
RT: 8.332 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

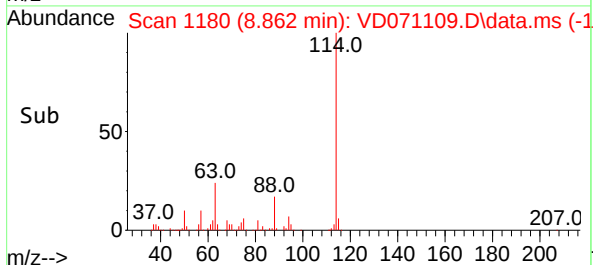
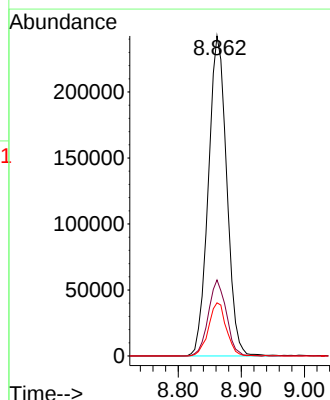
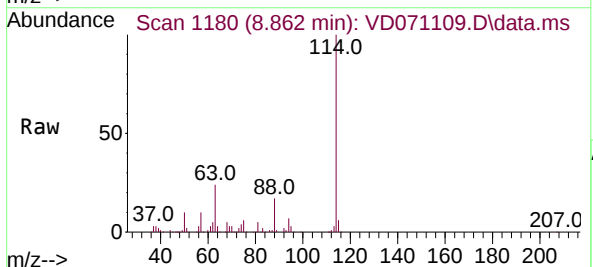
Instrument :
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ClientSampleId :
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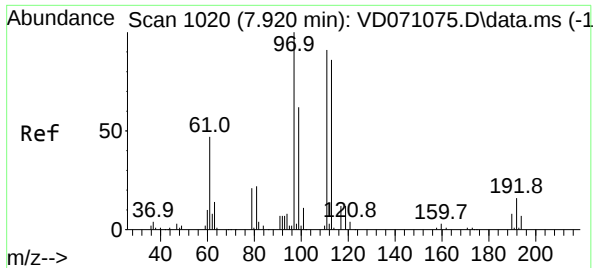
Tgt Ion: 65 Resp: 148054
Ion Ratio Lower Upper
65 100
67 52.2 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.862 min Scan# 1180
Delta R.T. 0.001 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

Tgt Ion:114 Resp: 489799
Ion Ratio Lower Upper
114 100
63 23.8 0.0 41.8
88 16.6 0.0 32.8

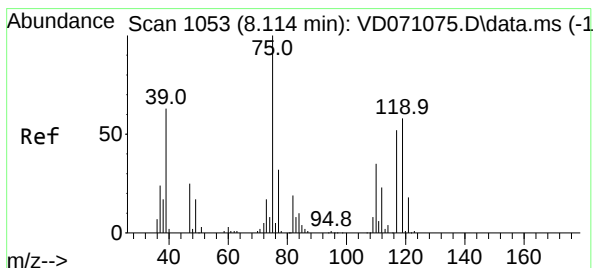
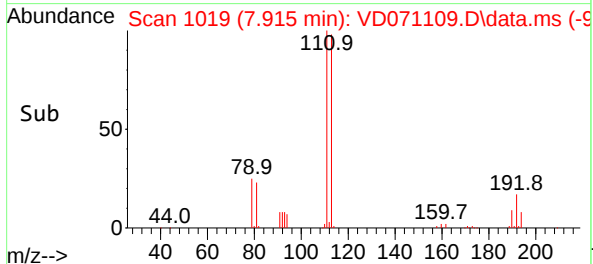
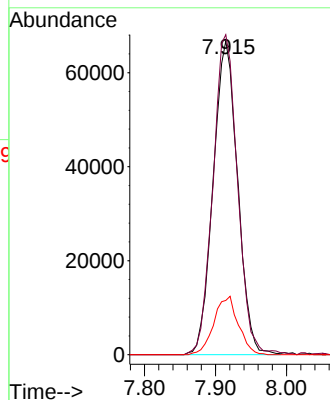
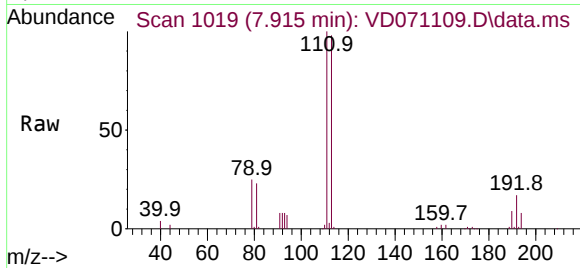




#35
Dibromofluoromethane
Concen: 51.163 ug/l
RT: 7.915 min Scan# 1019
Delta R.T. -0.005 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

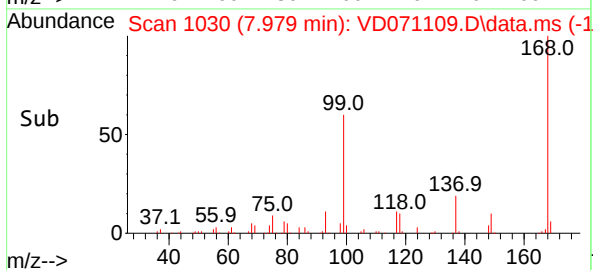
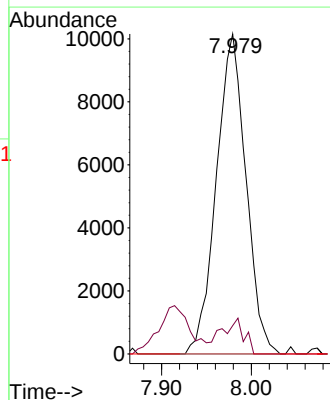
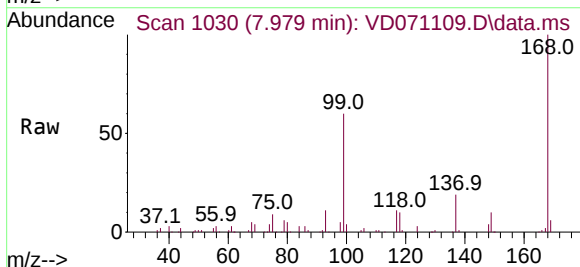
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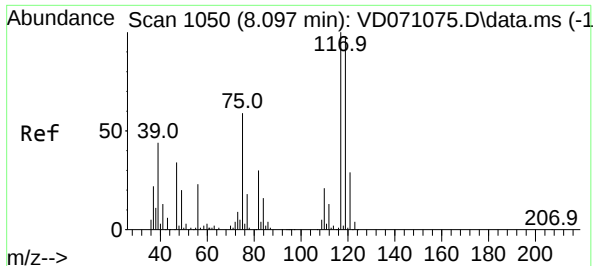
Tgt Ion:113 Resp: 159577
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 18.5 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.080 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

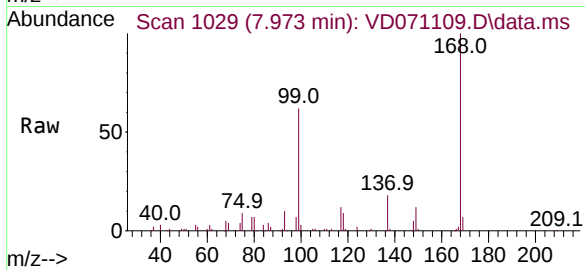
Tgt Ion: 75 Resp: 23257
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.4#
77 0.0 24.8 37.2#



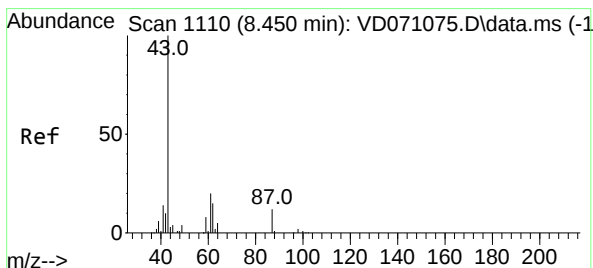
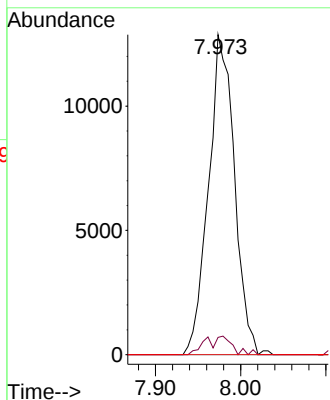
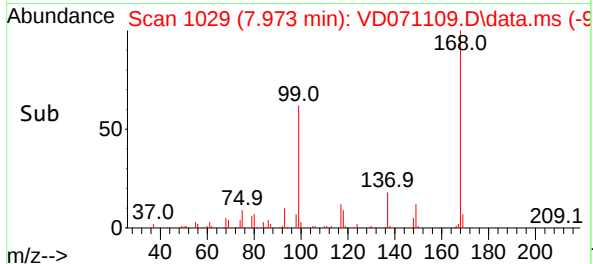


#38
Carbon Tetrachloride
Concen: 6.055 ug/l
RT: 7.973 min Scan# 1109
Delta R.T. -0.124 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

Instrument :
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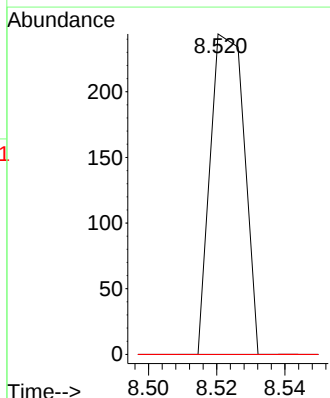
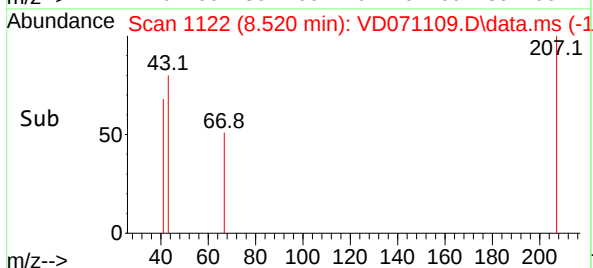
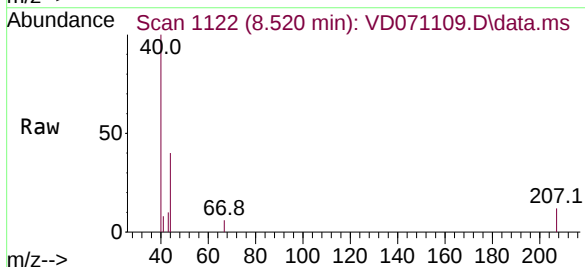


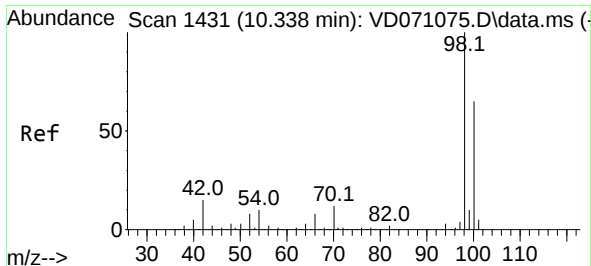
Tgt Ion:117 Resp: 27322
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.258 ug/l
RT: 8.520 min Scan# 1122
Delta R.T. 0.070 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

Tgt Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

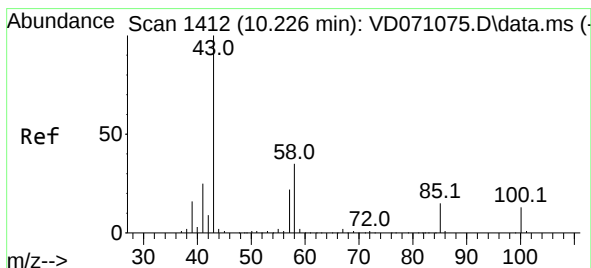
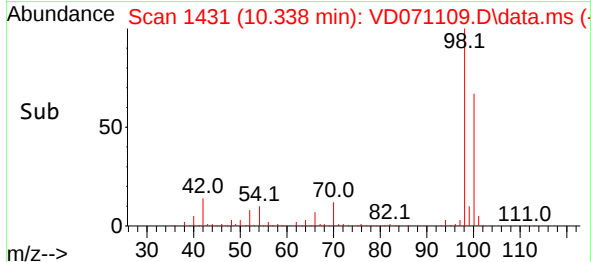
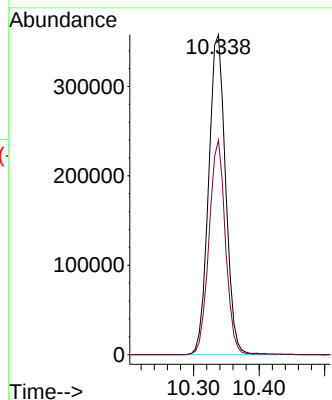
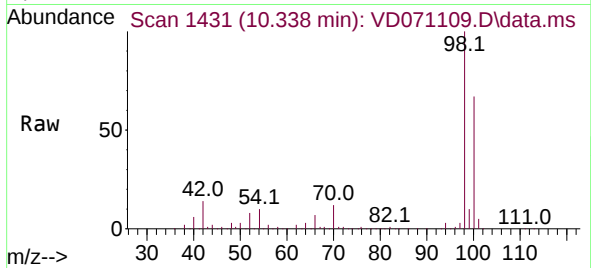




#50
Toluene-d8
Concen: 54.213 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

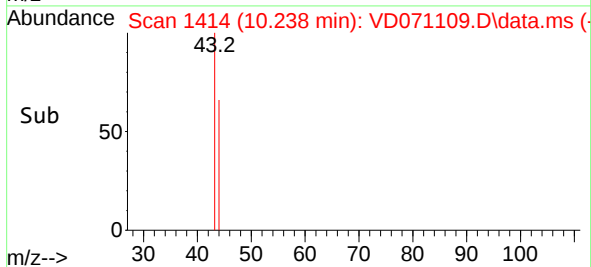
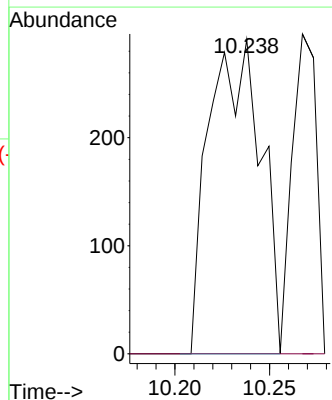
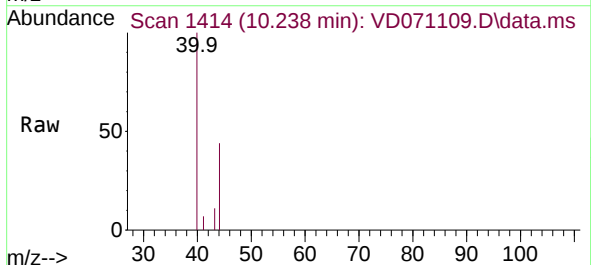
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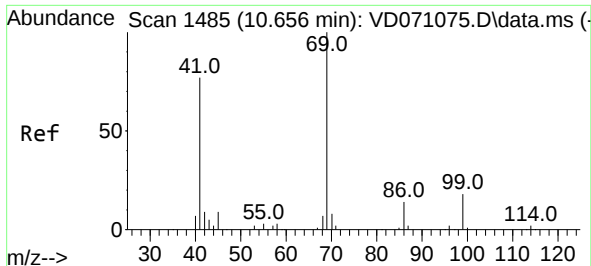
Tgt Ion: 98 Resp: 643479
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.870 ug/l
RT: 10.238 min Scan# 1414
Delta R.T. 0.012 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

Tgt Ion: 43 Resp: 555
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

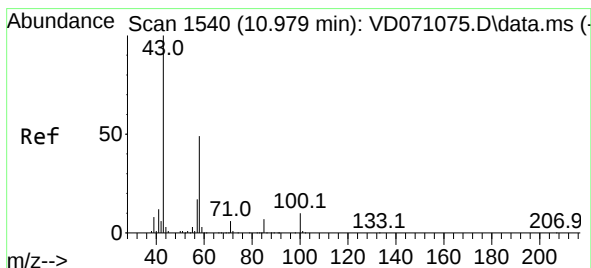
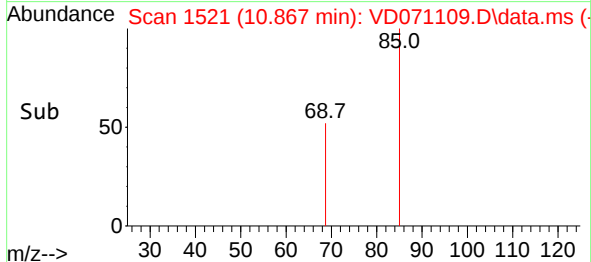
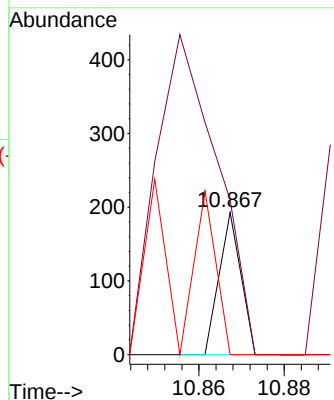
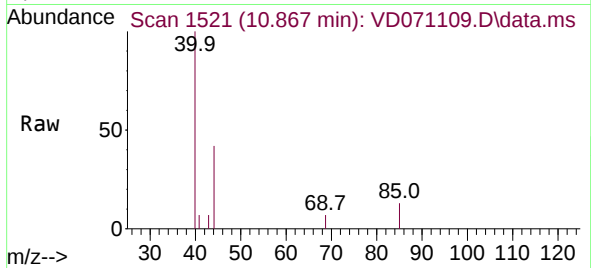




#56
Ethyl methacrylate
Concen: 5.989 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. 0.211 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

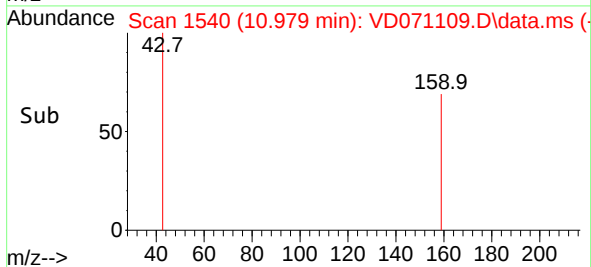
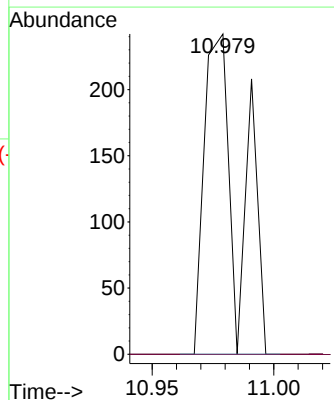
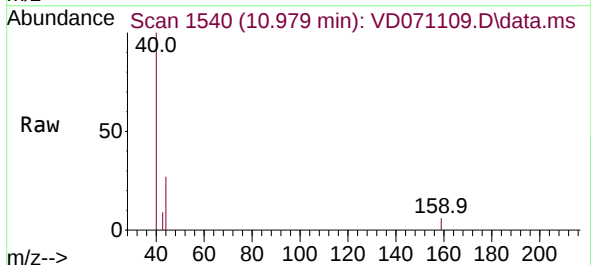
Instrument :
MSVOA_D
ClientSampleId :
PL-5-120121

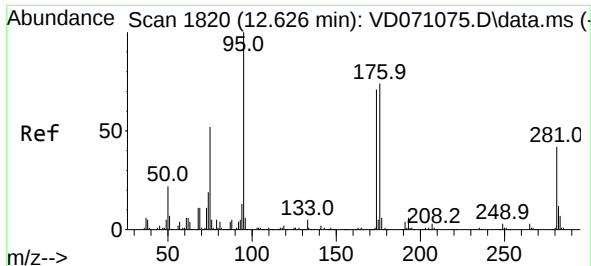
Tgt Ion: 69 Resp: 68
Ion Ratio Lower Upper
69 100
41 633.8 50.2 75.2#
39 238.2 19.8 29.8#



#59
2-Hexanone
Concen: 34.697 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

Tgt Ion: 43 Resp: 239
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

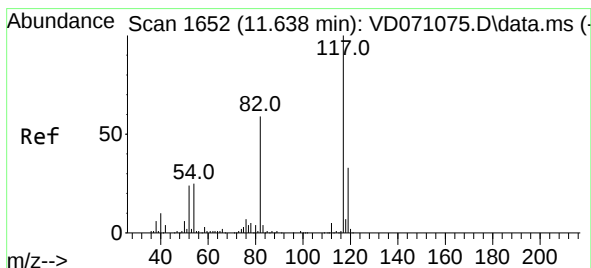
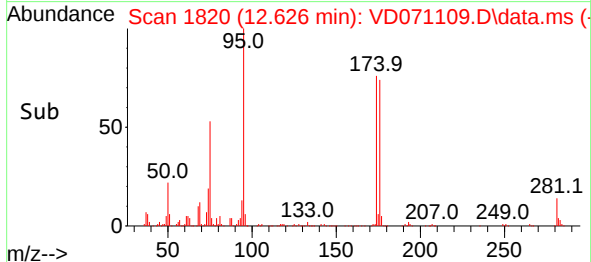
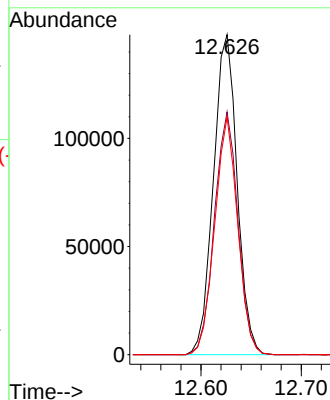
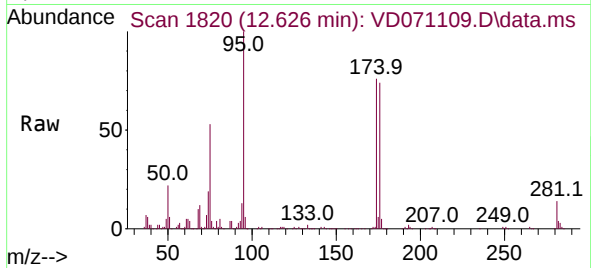




#62
4-Bromofluorobenzene
Concen: 59.111 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

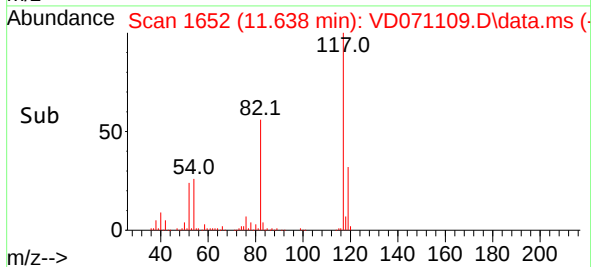
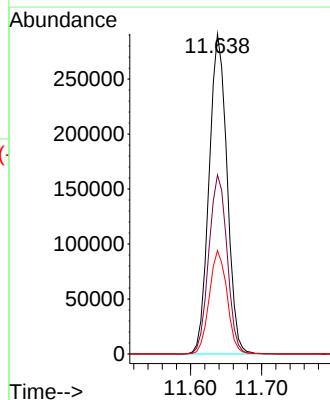
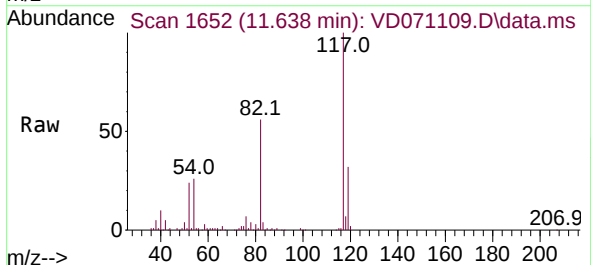
Instrument :
MSVOA_D
ClientSampleId :
PL-5-120121

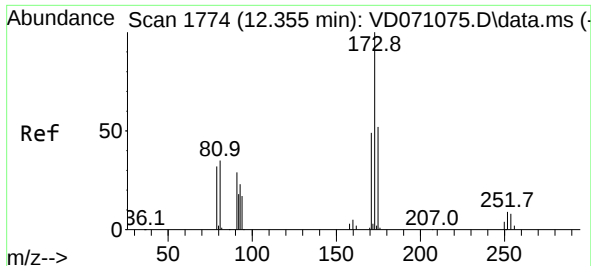
Tgt Ion: 95 Resp: 243202
Ion Ratio Lower Upper
95 100
174 75.0 0.0 159.4
176 72.0 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

Tgt Ion: 117 Resp: 510724
Ion Ratio Lower Upper
117 100
82 55.9 44.7 67.1
119 32.3 26.2 39.4

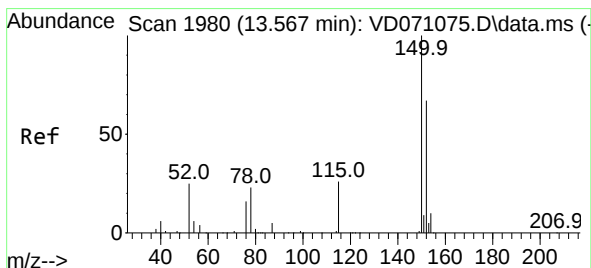
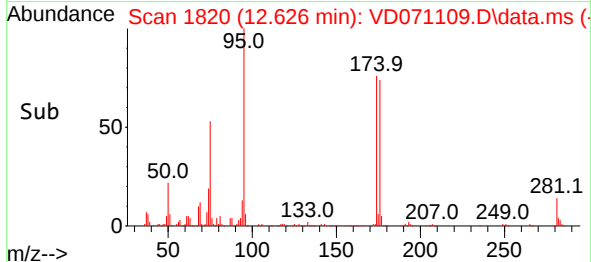
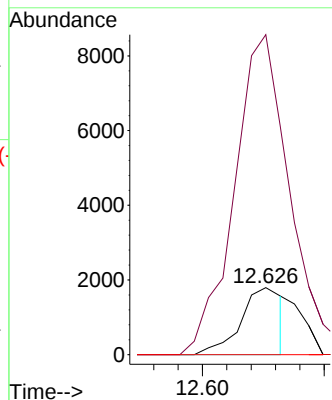
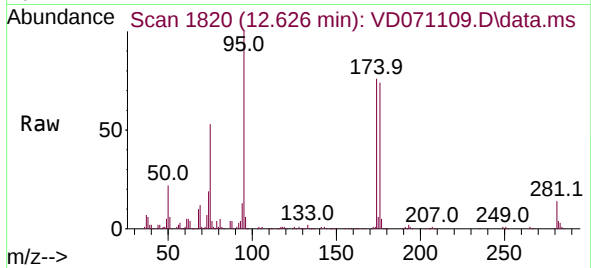




#71
Bromoform
Concen: 1.196 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

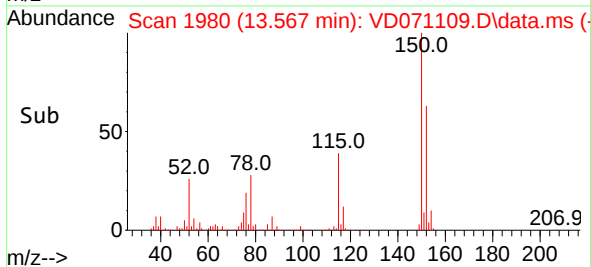
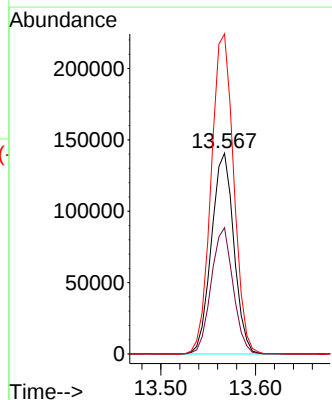
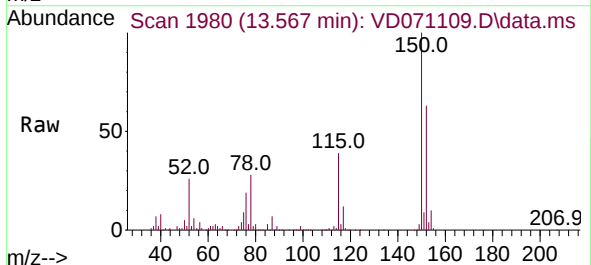
Instrument :
MSVOA_D
ClientSampleId :
PL-5-120121

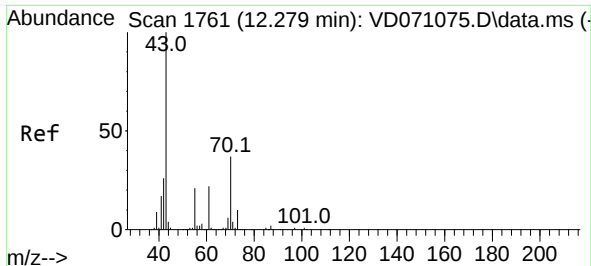
Tgt Ion:173 Resp: 2144
Ion Ratio Lower Upper
173 100
175 521.1 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

Tgt Ion:152 Resp: 231346
Ion Ratio Lower Upper
152 100
115 61.4 29.8 89.3
150 160.4 0.0 349.2

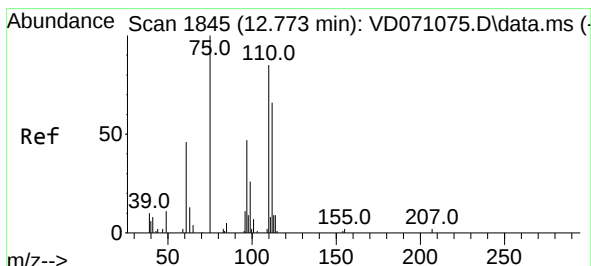
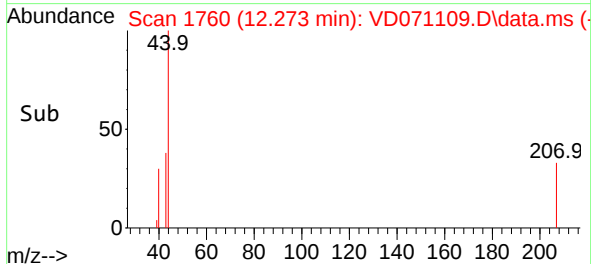
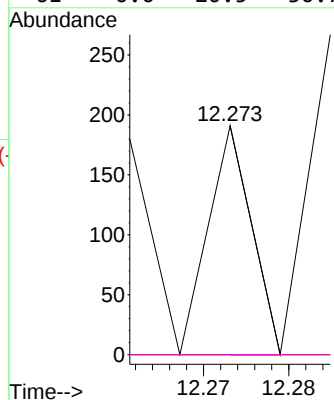
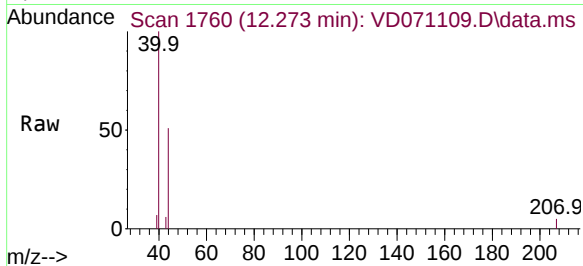




#74
N-amy1 acetate
Concen: 5.714 ug/l
RT: 12.273 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

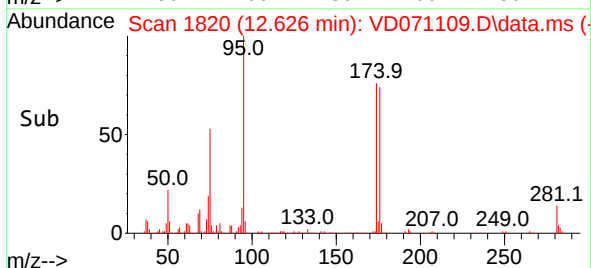
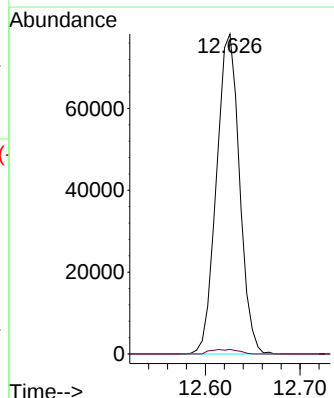
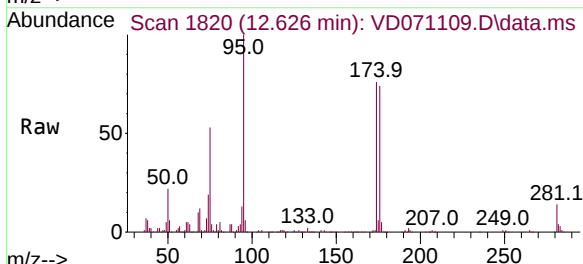
Instrument :
MSVOA_D
ClientSampleId :
PL-5-120121

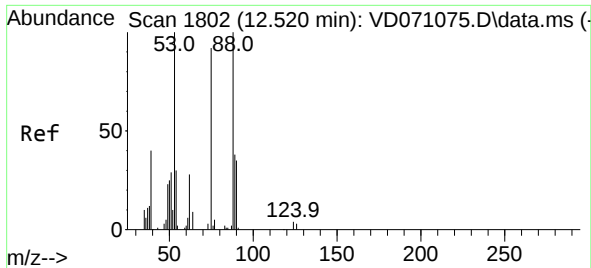
Tgt Ion: 43	Resp: 67
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 59.942 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071109.D
Acq: 01 Dec 2021 16:45

Tgt Ion: 75	Resp: 132122
Ion Ratio	Lower Upper
75 100	
77 1.7	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.784 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071109.D
 Acq: 01 Dec 2021 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-5-120121

Tgt Ion: 75 Resp: 132122
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.2 34.5 51.7#

