

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069777.D
 Acq On : 20 Jul 2021 18:42
 Operator : VA/SY
 Sample : M3039-03
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 21 03:27:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

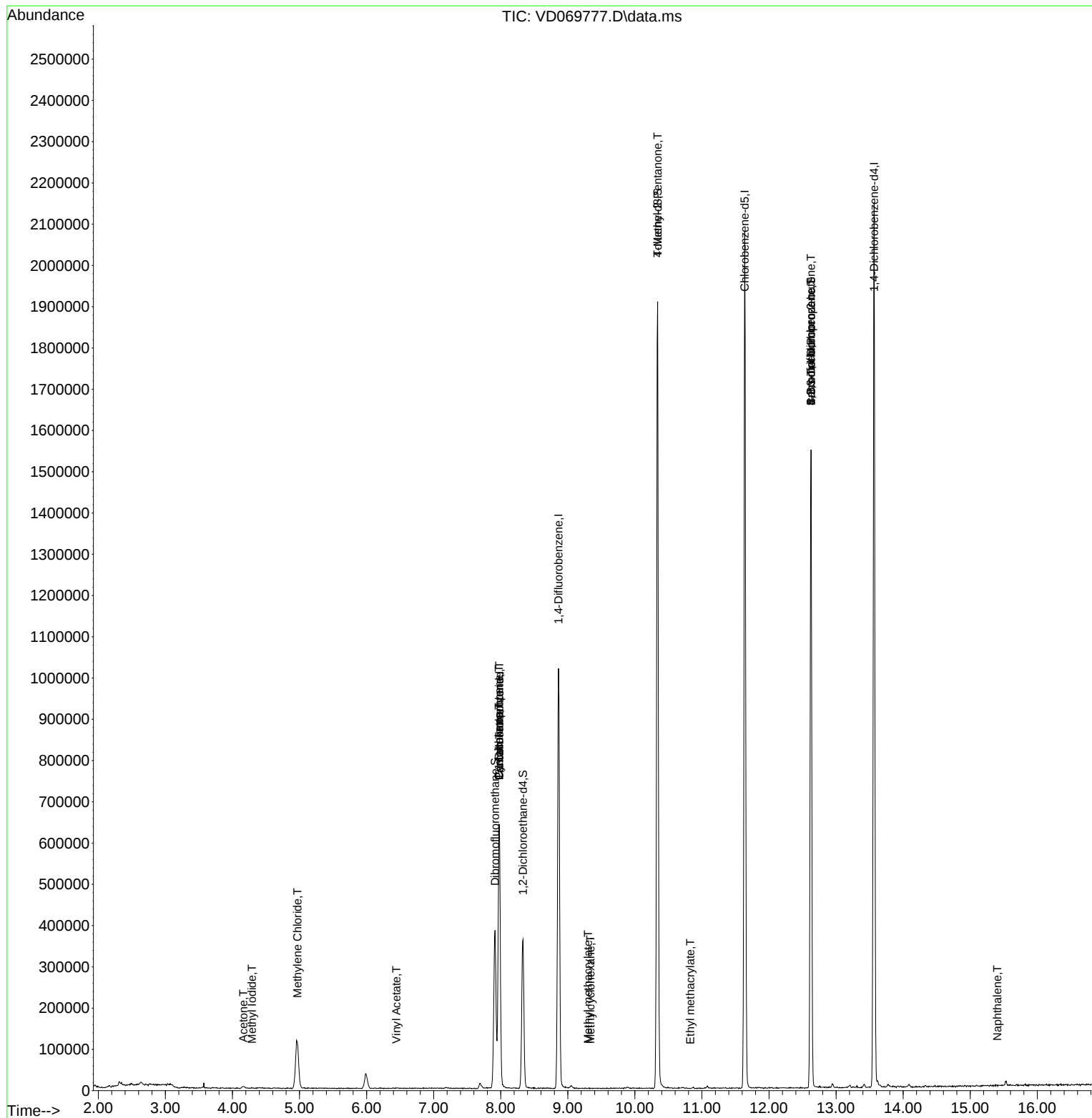
Internal Standards						
1) Pentafluorobenzene	7.979	168	460183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	882415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1162098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	564879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	291297	50.696	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.400%			
35) Dibromofluoromethane	7.914	113	284481	48.055	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.100%			
50) Toluene-d8	10.338	98	1291306	56.146	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.300%			
62) 4-Bromofluorobenzene	12.626	95	543452	70.851	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 141.700%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	1291	Below Cal	#	85
5) Bromomethane	2.774	94	2103	Below Cal	#	61
10) Methyl Iodide	4.291	142	500	2.552	ug/l #	86
16) Acetone	4.162	43	8156	19.221	ug/l #	86
18) Methyl Acetate	4.703	43	223	Below Cal	#	49
20) Methylene Chloride	4.968	84	96038	7.519	ug/l	93
23) Vinyl Acetate	6.444	43	150	15.440	ug/l #	72
31) Cyclohexane	7.973	56	11436	1.565	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	43497	4.778	ug/l #	49
38) Carbon Tetrachloride	7.979	117	50054	6.004	ug/l #	17
39) Methylcyclohexane	9.338	83	134	1.970	ug/l #	16
48) Methyl methacrylate	9.303	41	68	1.123	ug/l #	13
51) 4-Methyl-2-Pentanone	10.338	43	4982	1.526	ug/l #	1
56) Ethyl methacrylate	10.826	69	76	1.677	ug/l #	18
71) Bromoform	12.626	173	4455	1.108	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	267344	48.718	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	267344	130.926	ug/l #	14
95) Naphthalene	15.402	128	716	2.243	ug/l #	69

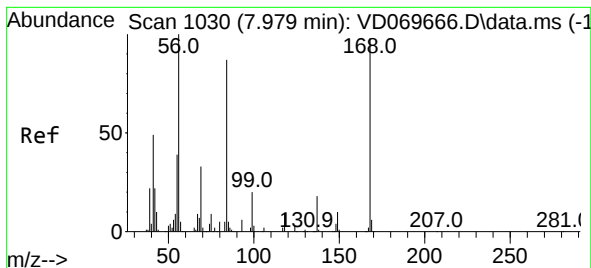
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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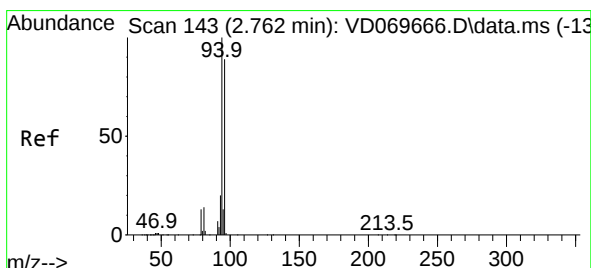
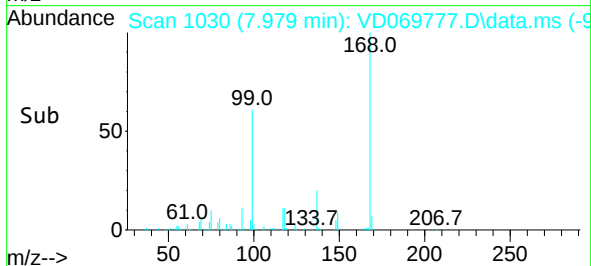
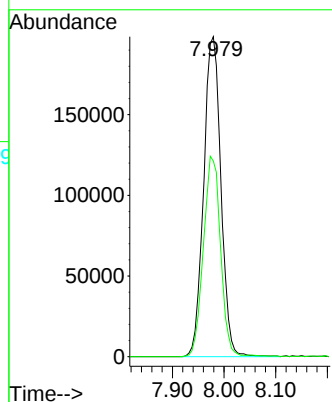
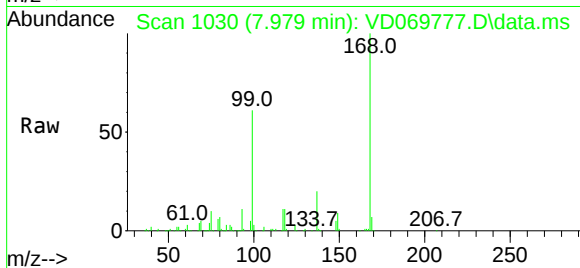




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

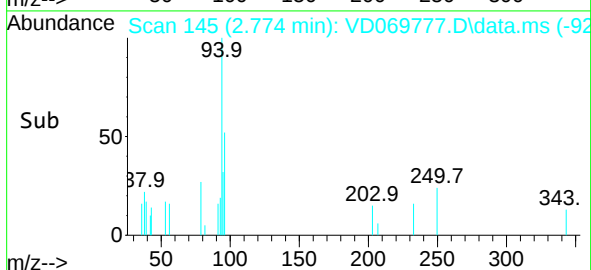
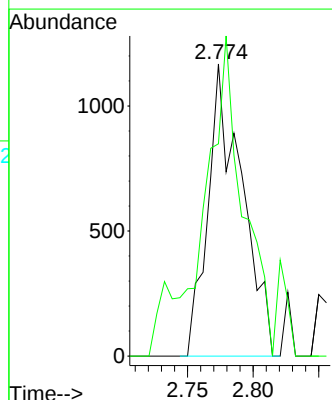
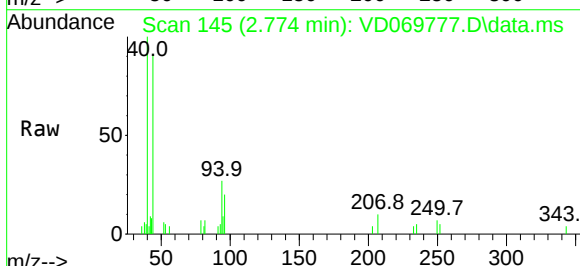
Instrument :
MSVOA_D
ClientSampled :

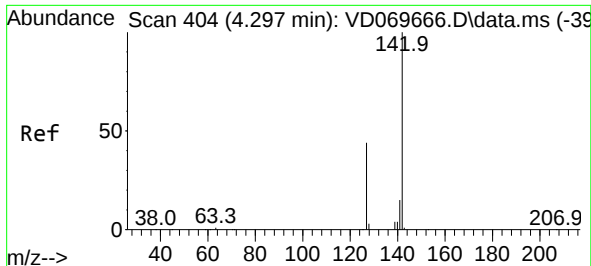
Tgt Ion:168 Resp: 460183
Ion Ratio Lower Upper
168 100
99 61.1 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

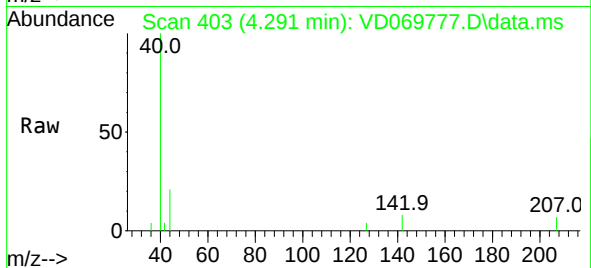
Tgt Ion: 94 Resp: 2103
Ion Ratio Lower Upper
94 100
96 52.7 71.2 106.8#



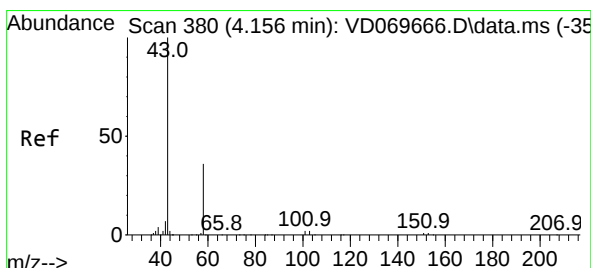
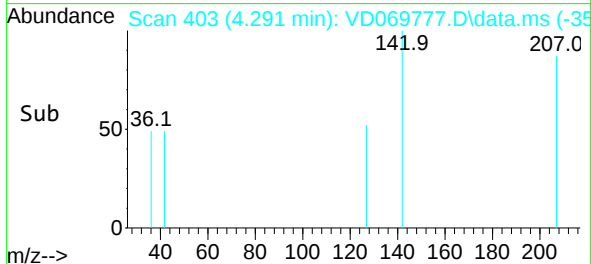
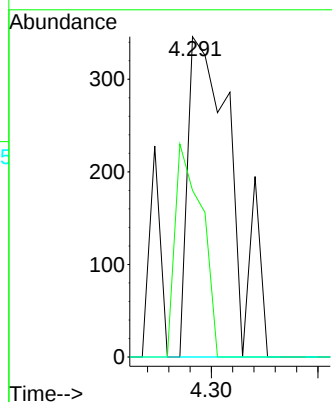


#10
Methyl Iodide
Concen: 2.552 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

Instrument :
MSVOA_D
ClientSampled :

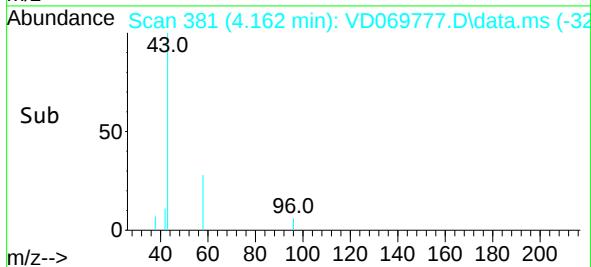
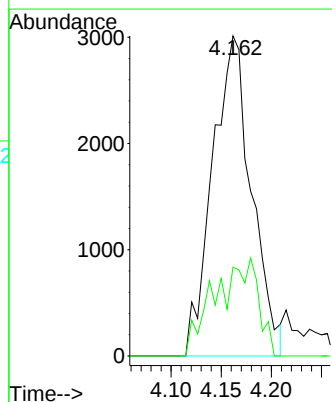
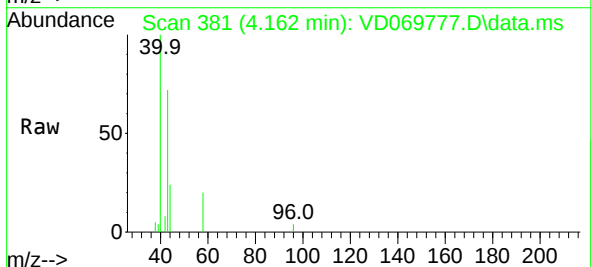


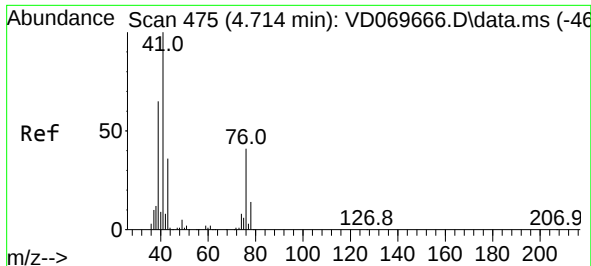
Tgt Ion:142 Resp: 500
Ion Ratio Lower Upper
142 100
127 40.0 36.1 54.1
141 0.0 11.6 17.4#



#16
Acetone
Concen: 19.221 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

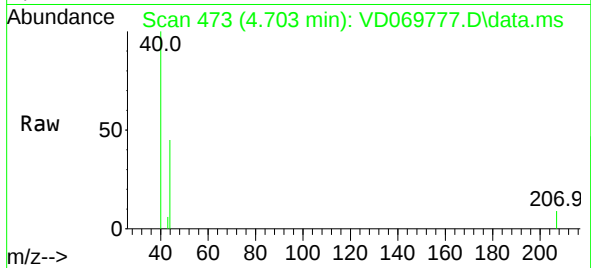
Tgt Ion: 43 Resp: 8156
Ion Ratio Lower Upper
43 100
58 27.8 28.6 42.8#



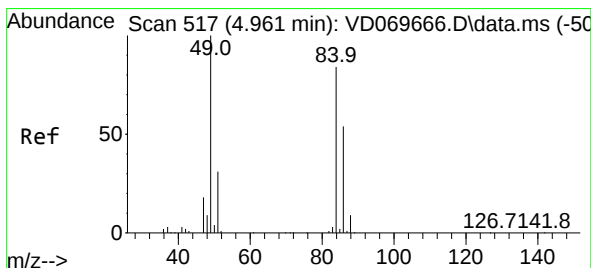
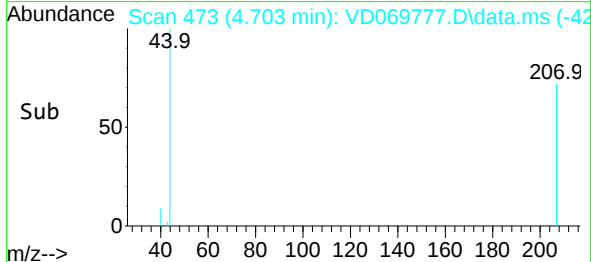
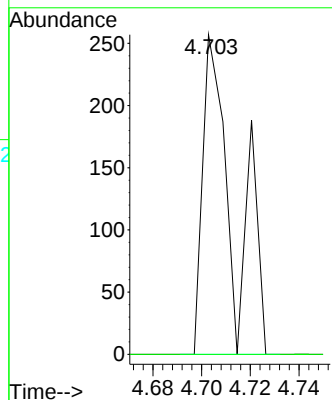


#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.011 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

Instrument :
MSVOA_D
ClientSampled :

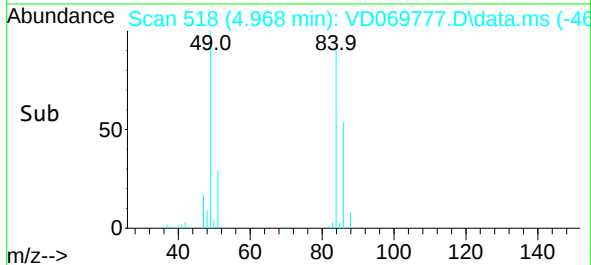
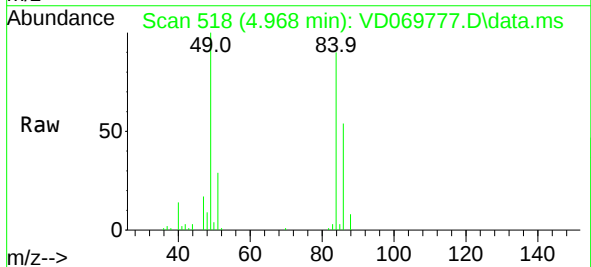
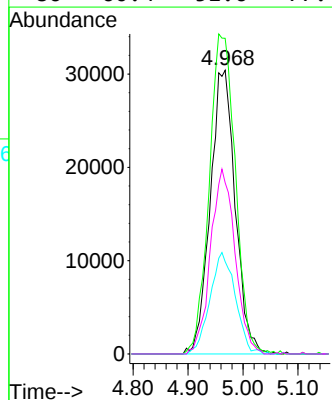


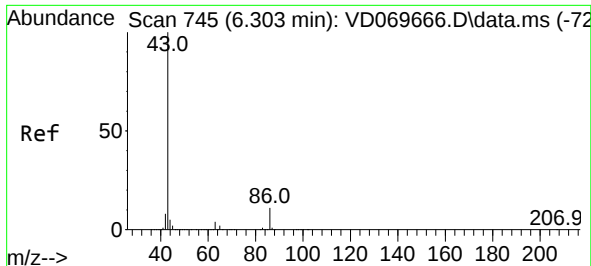
Tgt Ion: 43 Resp: 223
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 7.519 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.007 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

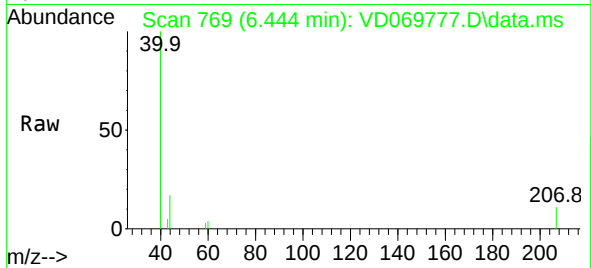
Tgt Ion: 84 Resp: 96038
Ion Ratio Lower Upper
84 100
49 111.3 95.5 143.3
51 32.5 29.7 44.5
86 60.4 51.6 77.4



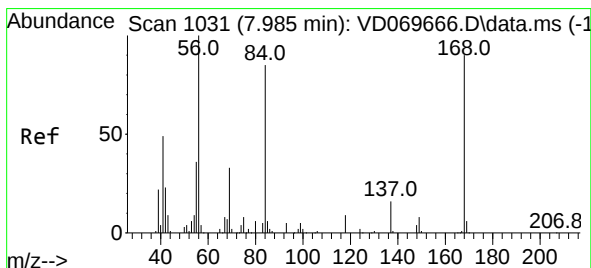
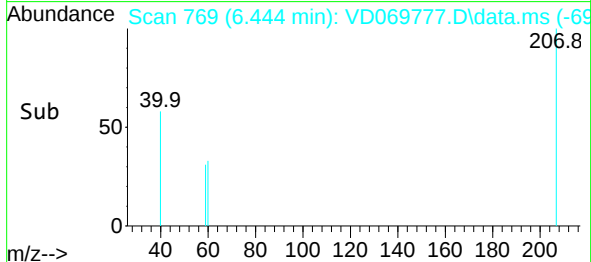
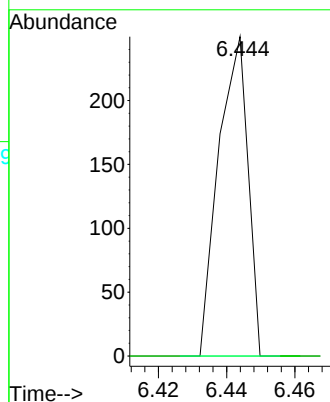


#23
 Vinyl Acetate
 Concen: 15.440 ug/l
 RT: 6.444 min Scan# 769
 Delta R.T. 0.141 min
 Lab File: VD069777.D
 Acq: 20 Jul 2021 18:42

Instrument :
 MSVOA_D
 ClientSampled :

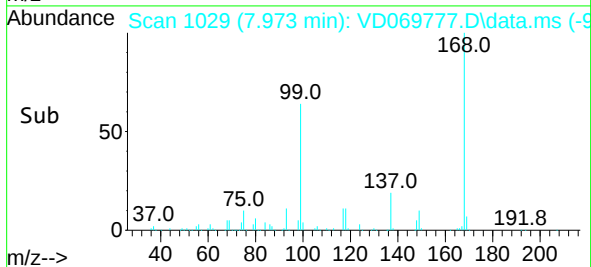
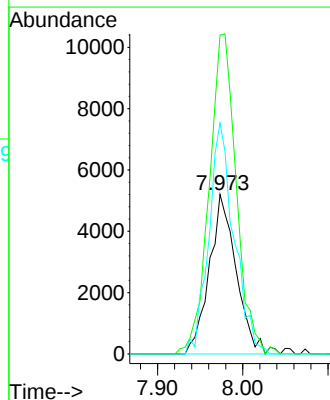
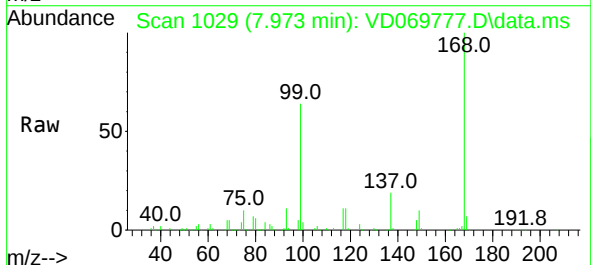


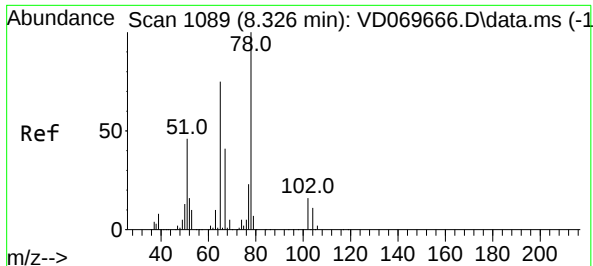
Tgt Ion: 43 Resp: 150
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#31
 Cyclohexane
 Concen: 1.565 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD069777.D
 Acq: 20 Jul 2021 18:42

Tgt Ion: 56 Resp: 11436
 Ion Ratio Lower Upper
 56 100
 69 200.0 26.6 39.8#
 84 144.8 68.2 102.2#



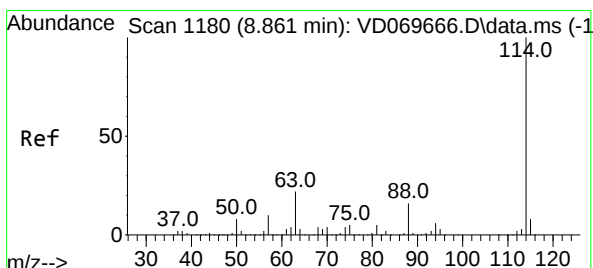
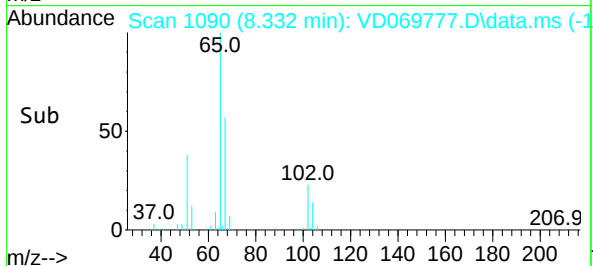
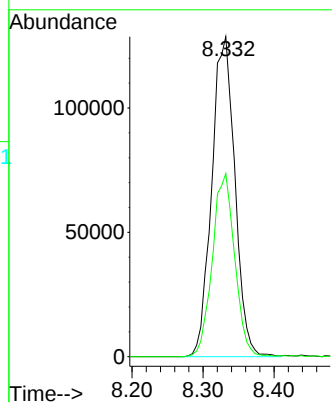
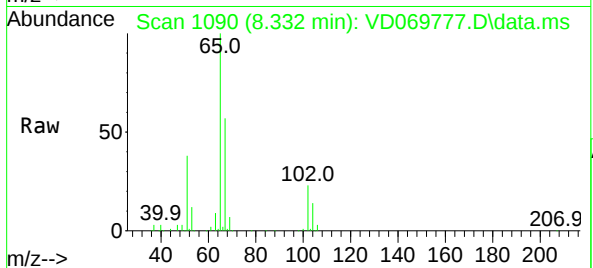


#33

1,2-Dichloroethane-d4
Concen: 50.696 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

Instrument :
MSVOA_D
ClientSampled :

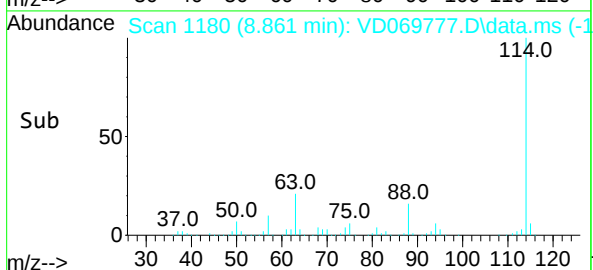
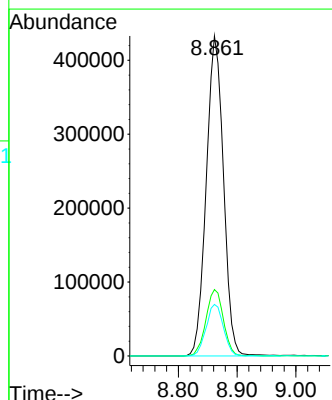
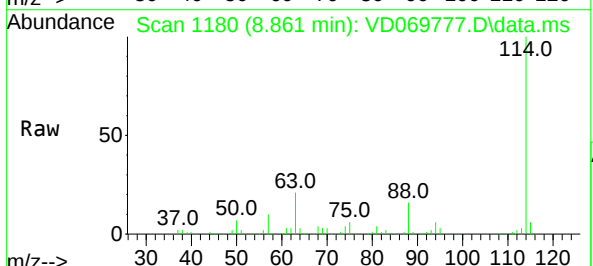
Tgt Ion: 65 Resp: 291297
Ion Ratio Lower Upper
65 100
67 55.3 0.0 107.2

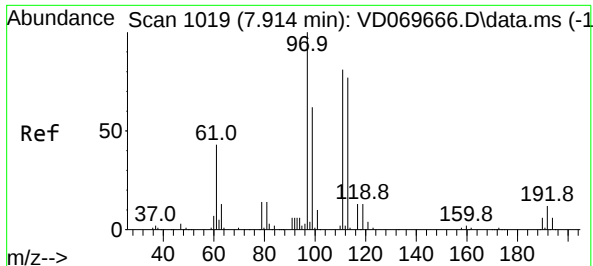


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

Tgt Ion: 114 Resp: 882415
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.4
88 16.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.055 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069777.D

Acq: 20 Jul 2021 18:42

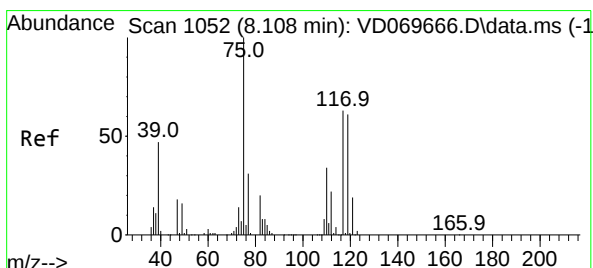
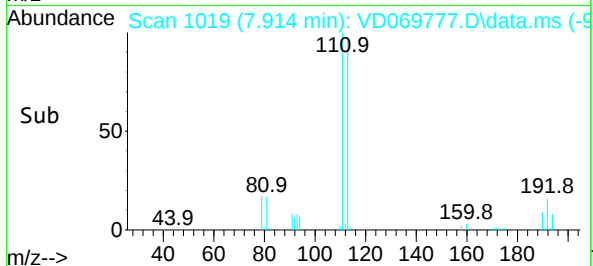
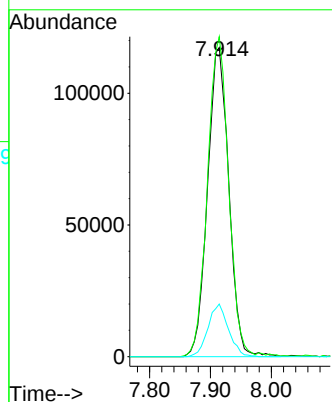
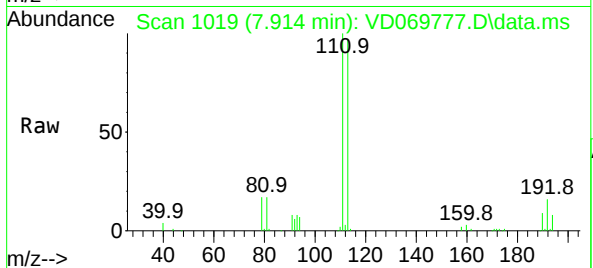
Tgt Ion:113 Resp: 284481

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 16.4 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.778 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069777.D

Acq: 20 Jul 2021 18:42

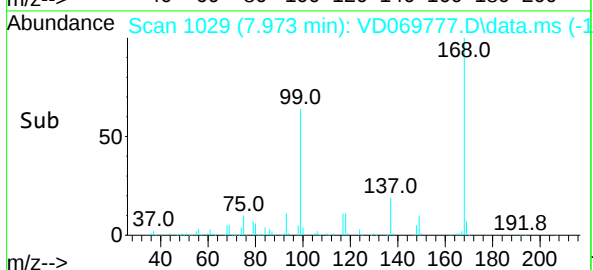
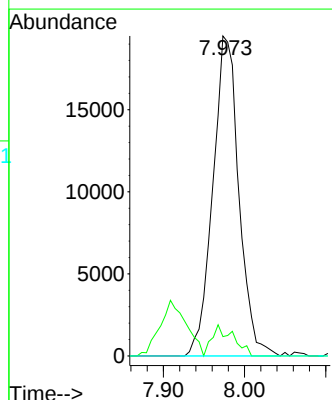
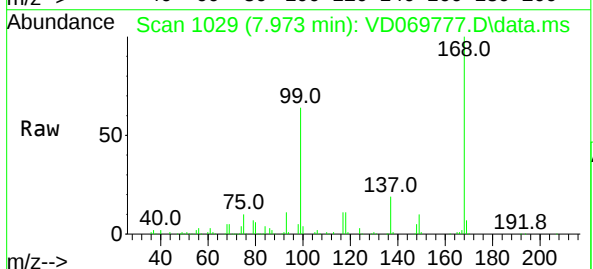
Tgt Ion: 75 Resp: 43497

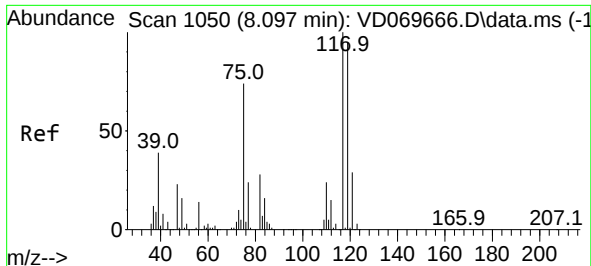
Ion Ratio Lower Upper

75 100

110 7.9 16.7 50.0#

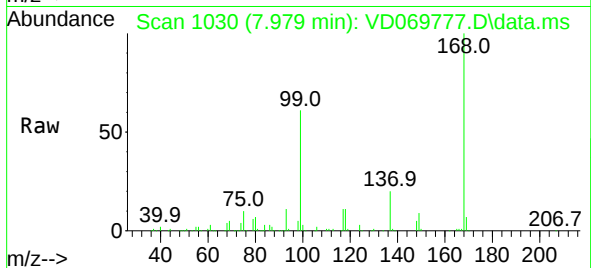
77 0.0 25.3 37.9#



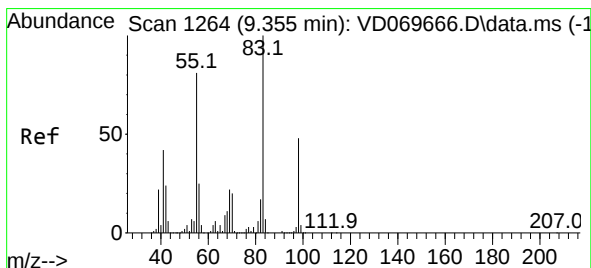
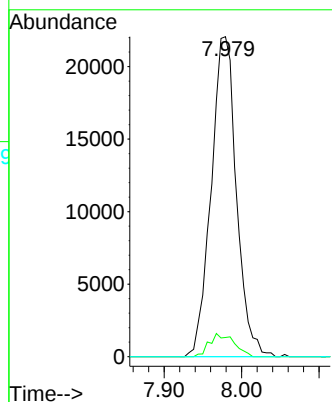
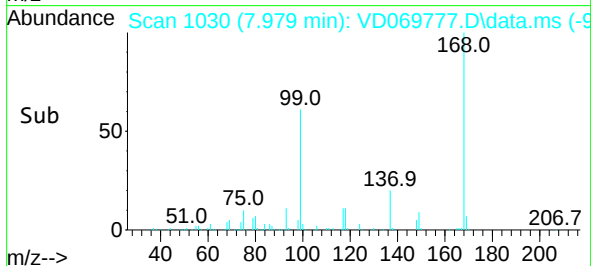


#38
Carbon Tetrachloride
Concen: 6.004 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

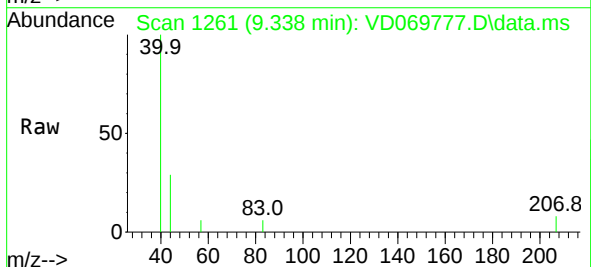
Instrument :
MSVOA_D
ClientSampled :



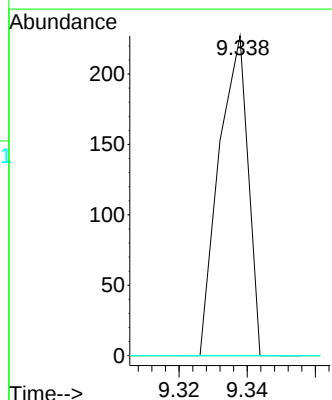
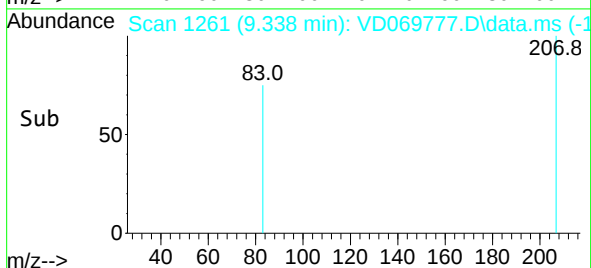
Tgt Ion:117 Resp: 50054
Ion Ratio Lower Upper
117 100
119 6.0 75.7 113.5#
121 0.0 23.0 34.6#

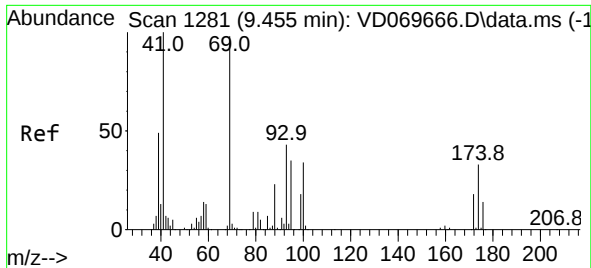


#39
Methylcyclohexane
Concen: 1.970 ug/l
RT: 9.338 min Scan# 1261
Delta R.T. -0.017 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42



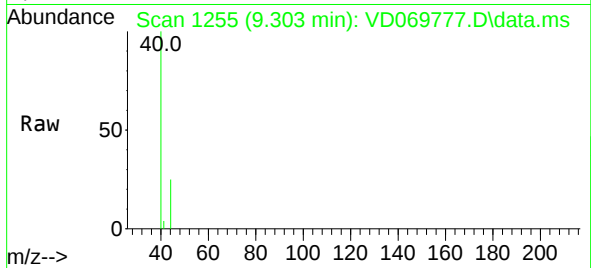
Tgt Ion: 83 Resp: 134
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 0.0 38.4 57.6#



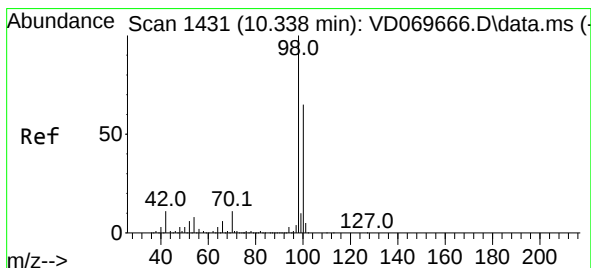
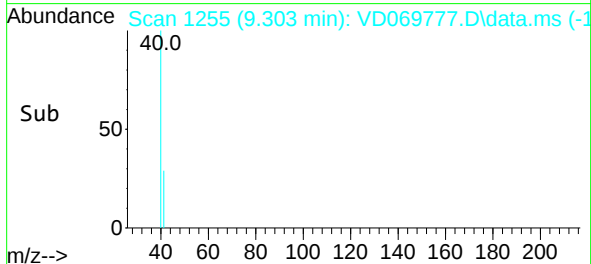
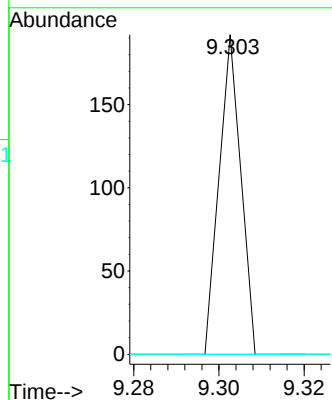


#48
Methyl methacrylate
Concen: 1.123 ug/l
RT: 9.303 min Scan# 1255
Delta R.T. -0.152 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

Instrument :
MSVOA_D
ClientSampled :

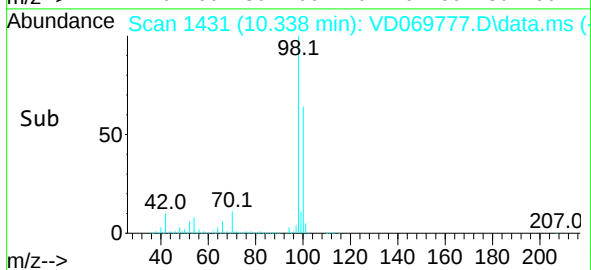
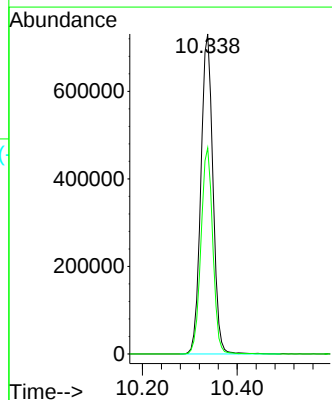
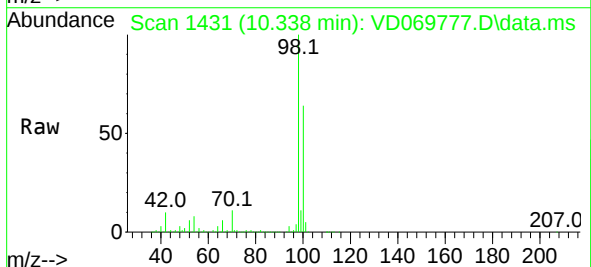


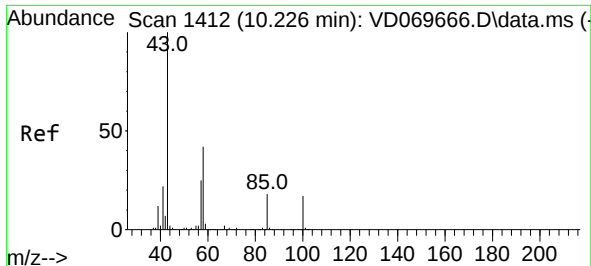
Tgt Ion: 41 Resp: 68
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#



#50
Toluene-d8
Concen: 56.146 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

Tgt Ion: 98 Resp: 1291306
Ion Ratio Lower Upper
98 100
100 63.1 52.2 78.2

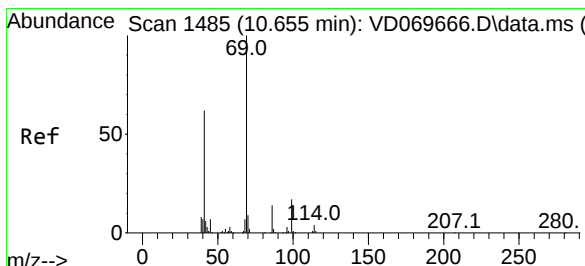
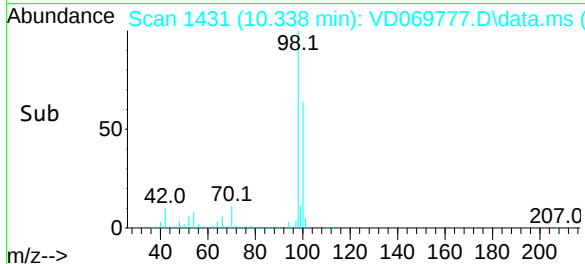
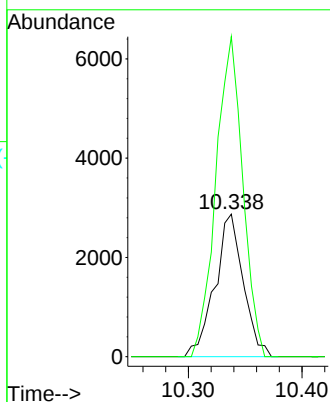
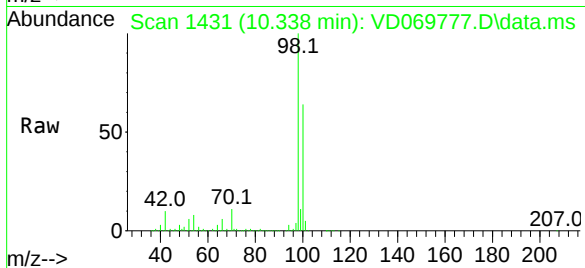




#51
4-Methyl-2-Pentanone
Concen: 1.526 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

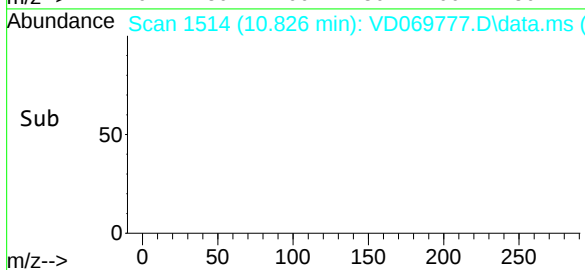
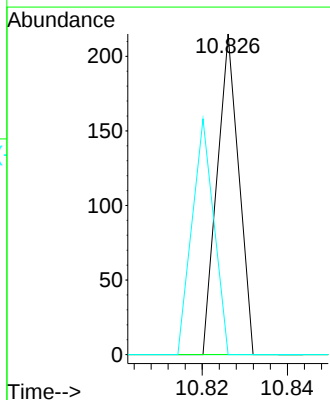
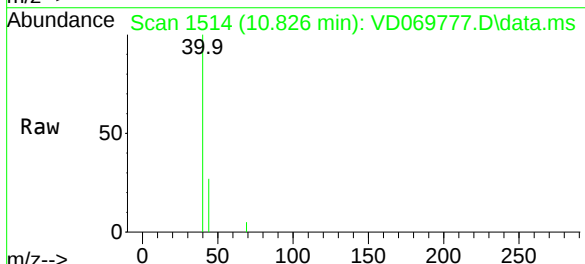
Instrument :
MSVOA_D
ClientSampled :

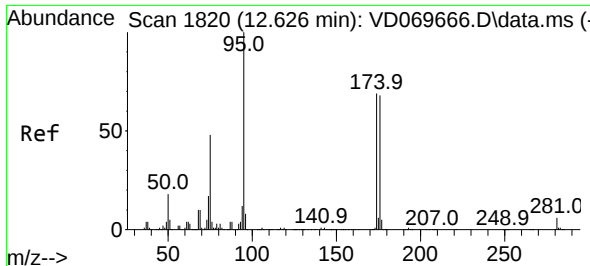
Tgt Ion: 43 Resp: 4982
Ion Ratio Lower Upper
43 100
58 212.7 33.5 50.3#



#56
Ethyl methacrylate
Concen: 1.677 ug/l
RT: 10.826 min Scan# 1514
Delta R.T. 0.171 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

Tgt Ion: 69 Resp: 76
Ion Ratio Lower Upper
69 100
41 0.0 49.5 74.3#
39 73.7 22.5 33.7#

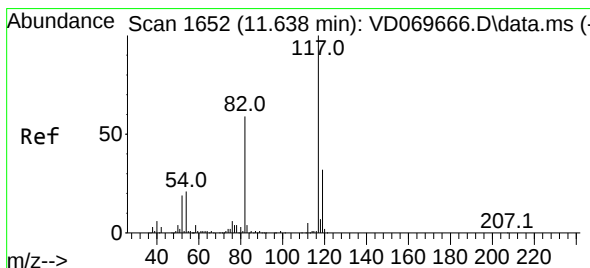
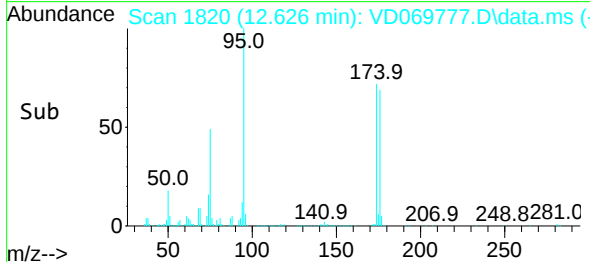
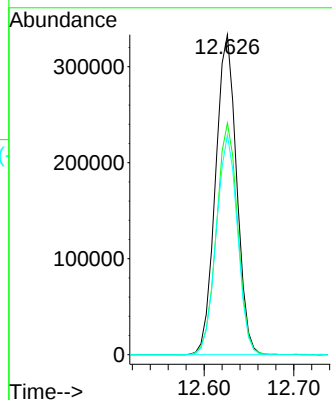
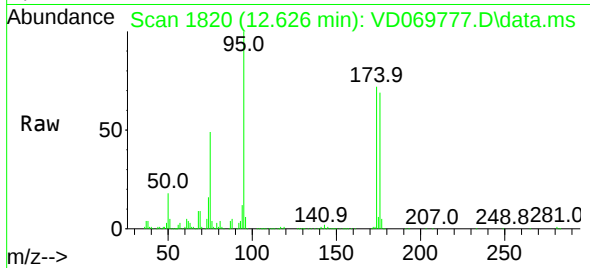




#62
4-Bromofluorobenzene
Concen: 70.851 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

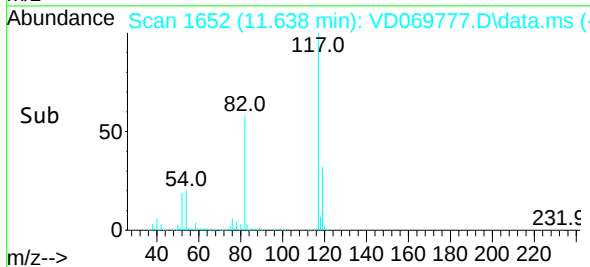
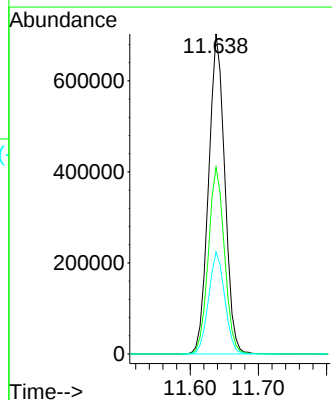
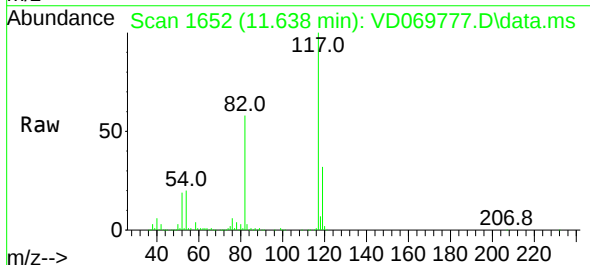
Instrument :
MSVOA_D
ClientSampleId :

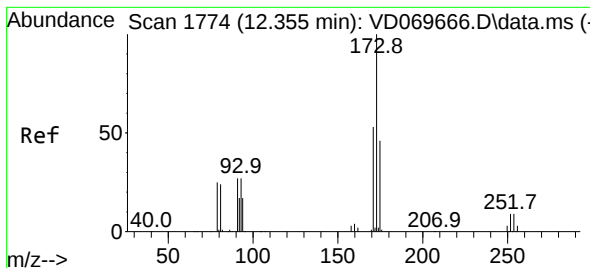
Tgt Ion: 95 Resp: 543452
Ion Ratio Lower Upper
95 100
174 73.2 0.0 140.0
176 69.1 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

Tgt Ion: 117 Resp: 1162098
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 31.9 25.5 38.3

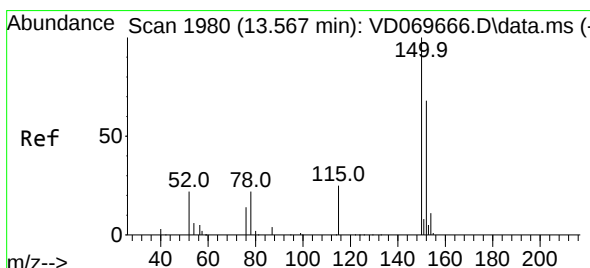
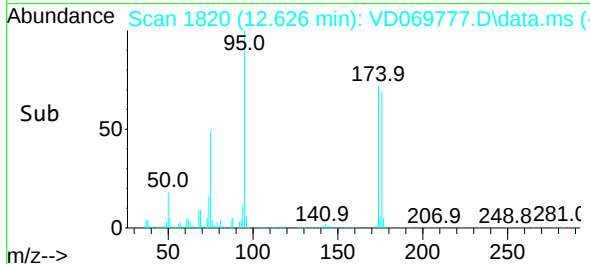
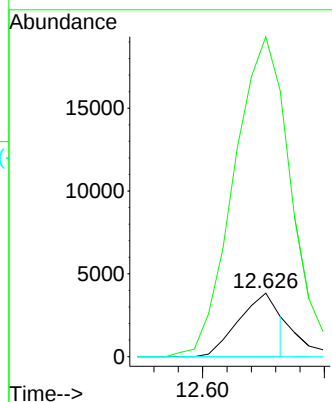
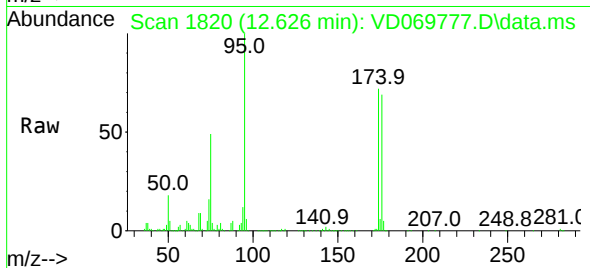




#71
Bromoform
Concen: 1.108 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

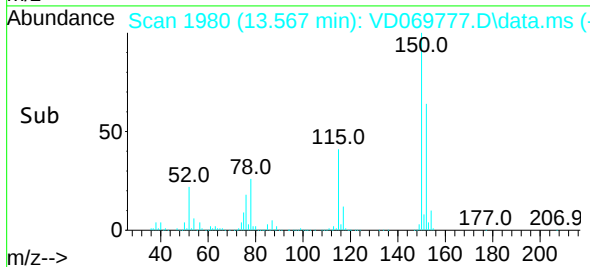
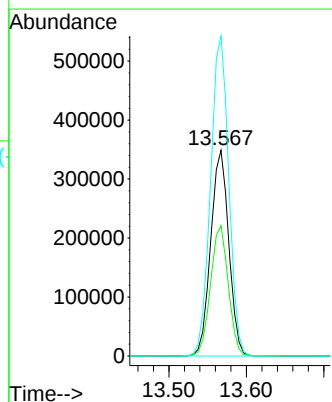
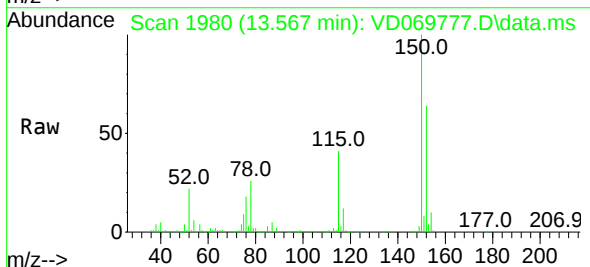
Instrument :
MSVOA_D
ClientSampled :

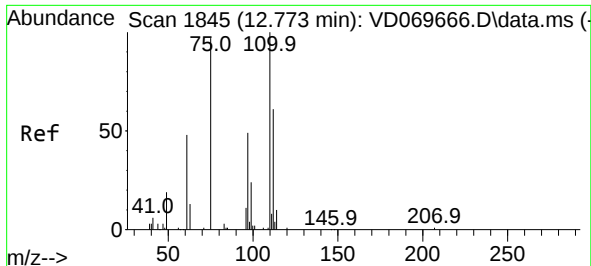
Tgt Ion:173 Resp: 4455
Ion Ratio Lower Upper
173 100
175 591.5 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

Tgt Ion:152 Resp: 564879
Ion Ratio Lower Upper
152 100
115 62.2 31.7 95.1
150 156.8 0.0 350.4

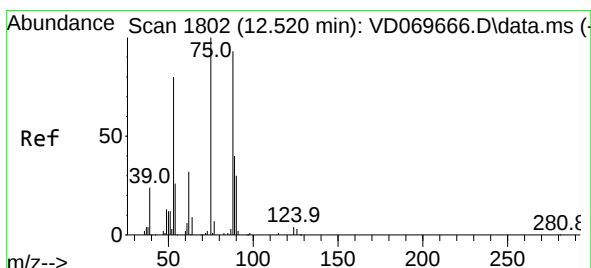
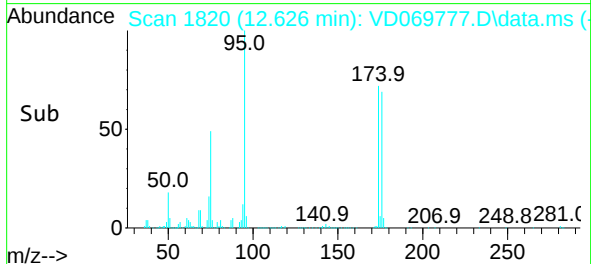
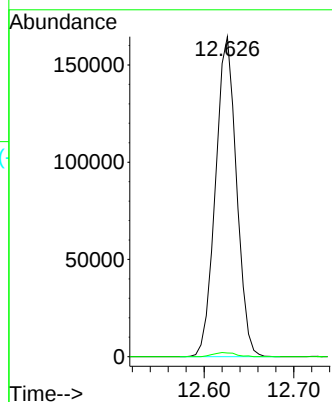
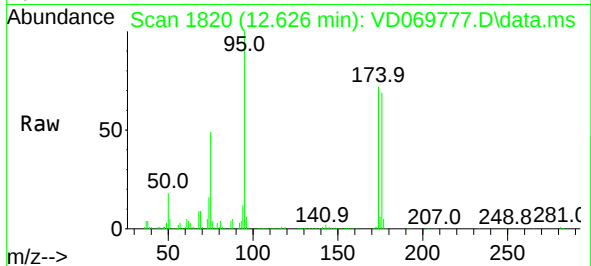




#76
1,2,3-Trichloropropane
Concen: 48.718 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

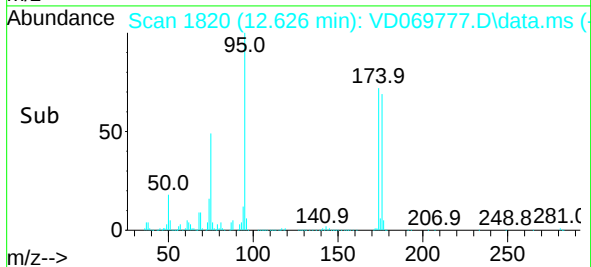
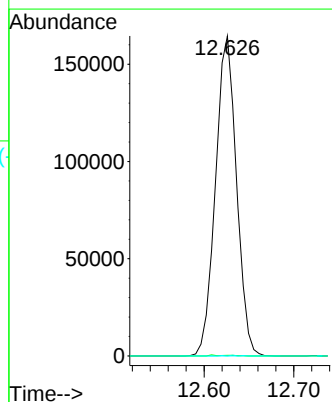
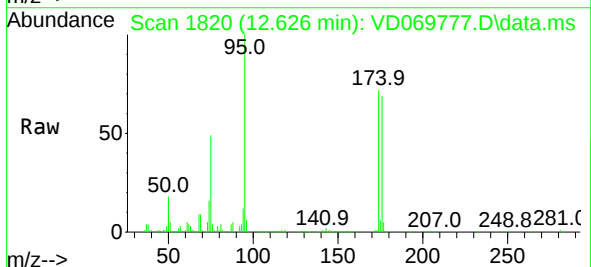
Instrument :
MSVOA_D
ClientSampleId :

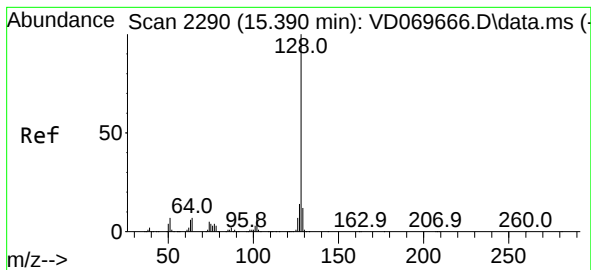
Tgt Ion: 75 Resp: 267344
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.926 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

Tgt Ion: 75 Resp: 267344
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.1 35.1 52.7#





#95
Naphthalene
Concen: 2.243 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.012 min
Lab File: VD069777.D
Acq: 20 Jul 2021 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 716
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

