

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069778.D
 Acq On : 20 Jul 2021 19:11
 Operator : VA/SY
 Sample : M3039-05
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 21 03:28:15 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)

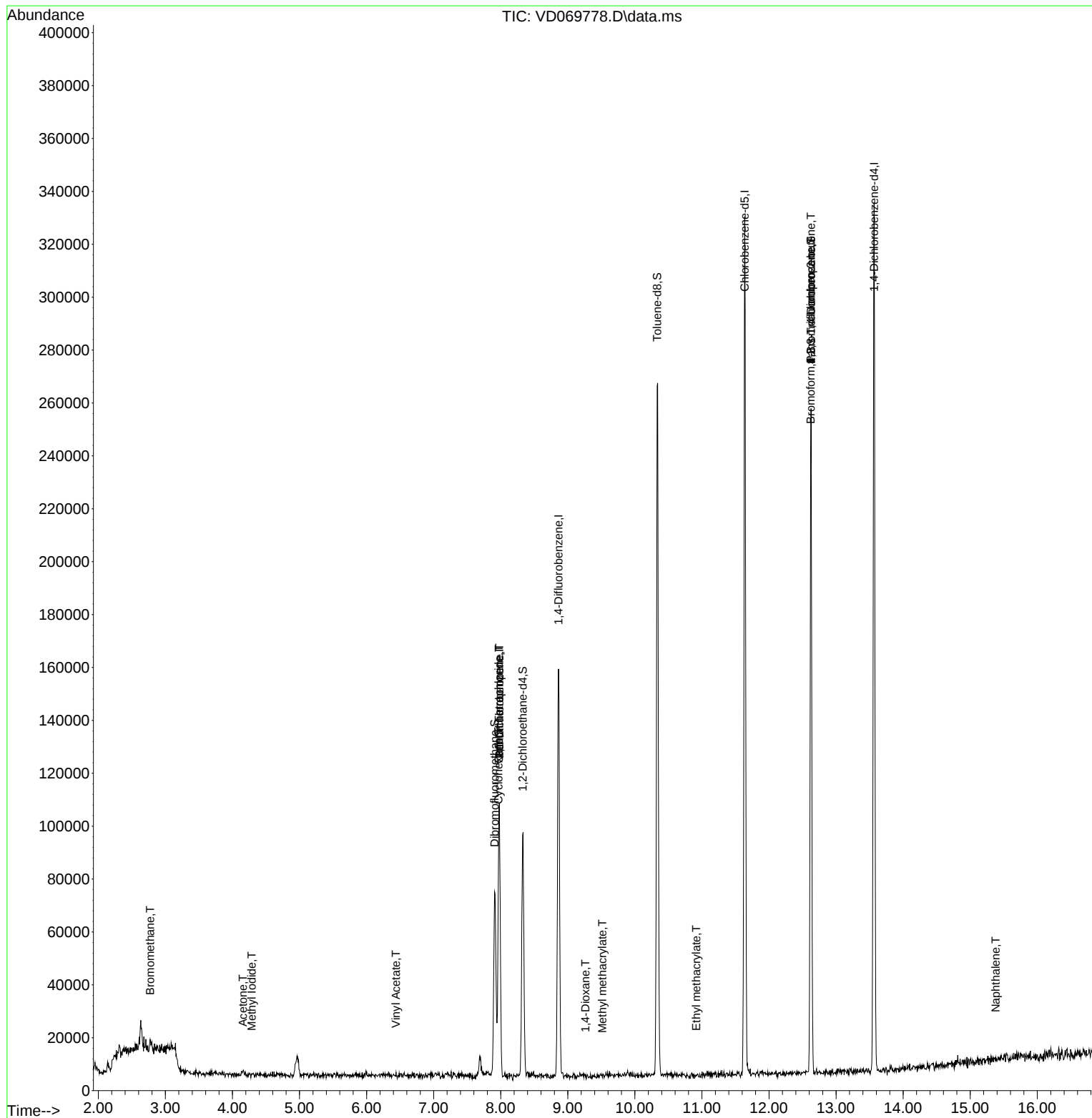
Internal Standards						
1) Pentafluorobenzene	7.979	168	73405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	134105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	184057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	90845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	73338	80.015	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 160.020%			
35) Dibromofluoromethane	7.908	113	51620	57.376	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.760%			
50) Toluene-d8	10.332	98	187038	53.512	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.020%			
62) 4-Bromofluorobenzene	12.626	95	85384	73.246	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 146.500%#			
Target Compounds					Qvalue	
5) Bromomethane	2.773	94	2219	1.551	ug/l #	69
10) Methyl Iodide	4.285	142	285	2.766	ug/l #	39
16) Acetone	4.156	43	1094	18.253	ug/l #	88
18) Methyl Acetate	4.762	43	115	Below Cal	#	49
23) Vinyl Acetate	6.438	43	64	15.466	ug/l #	72
31) Cyclohexane	7.967	56	2072	1.722	ug/l #	63
36) 1,1-Dichloropropene	7.979	75	6958	5.029	ug/l #	48
38) Carbon Tetrachloride	7.973	117	8289	6.543	ug/l #	20
48) Methyl methacrylate	9.514	41	56	1.213	ug/l #	13
49) 1,4-Dioxane	9.261	88	60	108.834	ug/l #	20
56) Ethyl methacrylate	10.914	69	61	1.729	ug/l #	27
71) Bromoform	12.620	173	709	1.113	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	40405	45.783	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	40405	123.040	ug/l #	14
95) Naphthalene	15.379	128	78	2.231	ug/l #	69

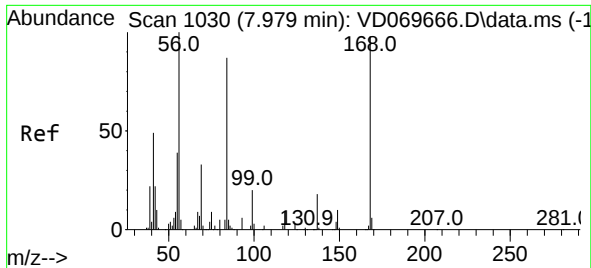
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
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QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

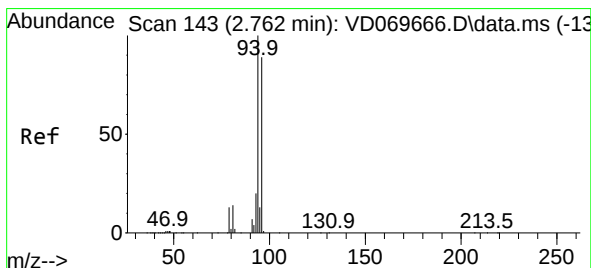
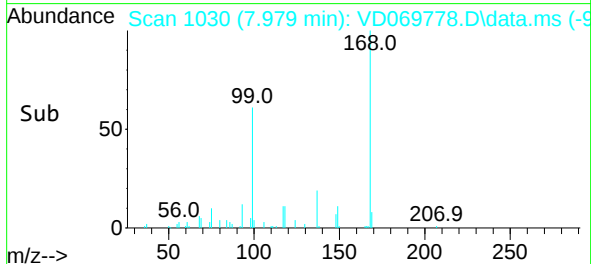
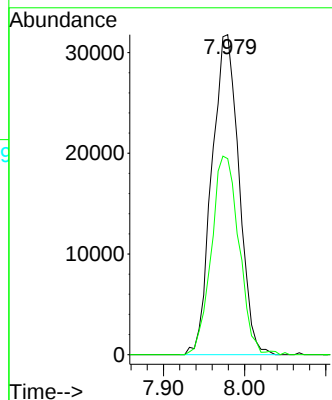
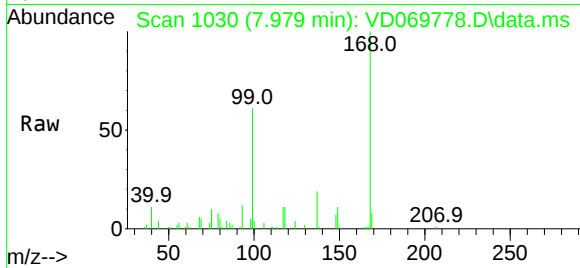




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

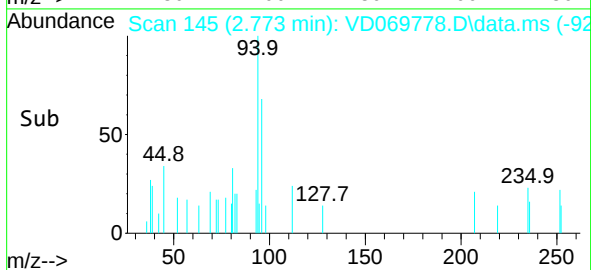
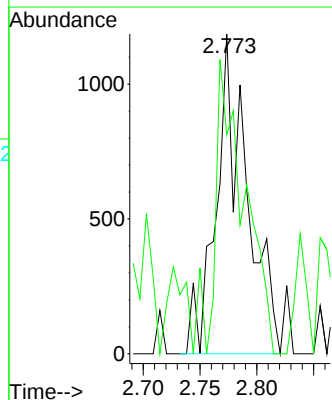
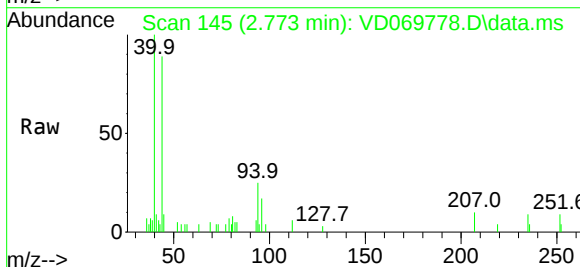
Instrument :
MSVOA_D
ClientSampleId :

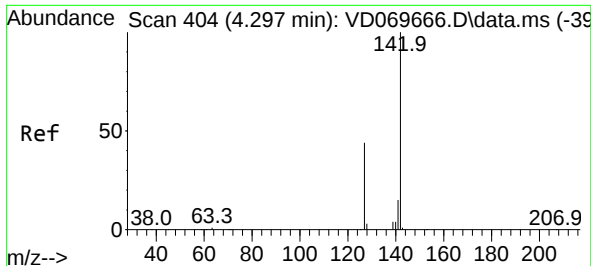
Tgt Ion:168 Resp: 73405
Ion Ratio Lower Upper
168 100
99 61.2 51.8 77.6



#5
Bromomethane
Concen: 1.551 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

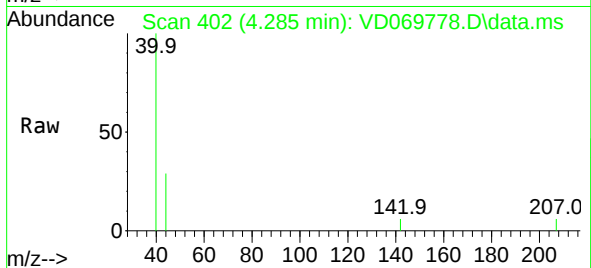
Tgt Ion: 94 Resp: 2219
Ion Ratio Lower Upper
94 100
96 59.6 71.2 106.8#



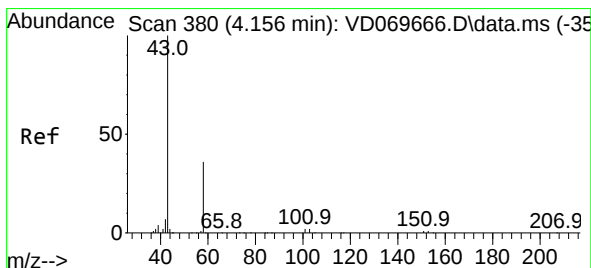
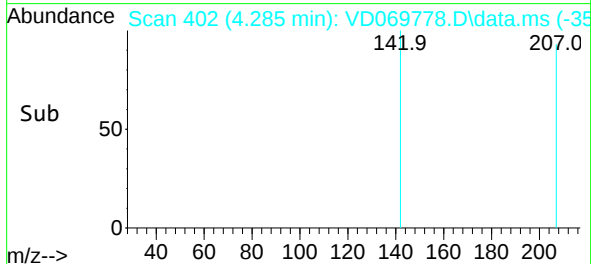
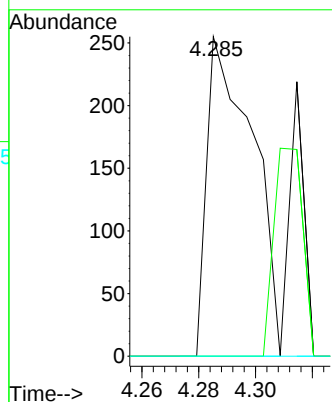


#10
Methyl Iodide
Concen: 2.766 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

Instrument :
MSVOA_D
ClientSampled :

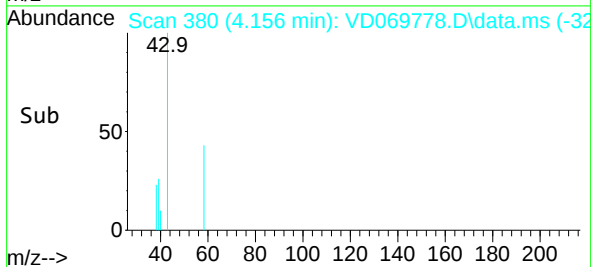
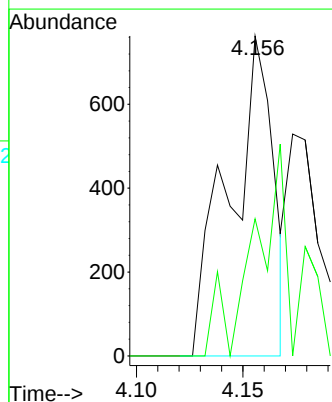
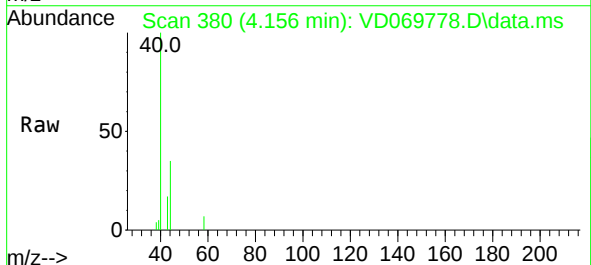


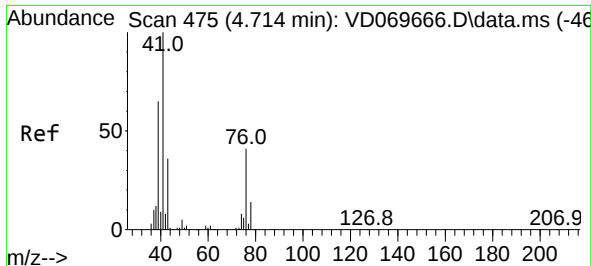
Tgt Ion:142 Resp: 285
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 18.253 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

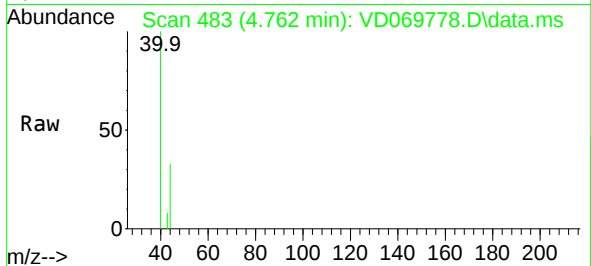
Tgt Ion: 43 Resp: 1094
Ion Ratio Lower Upper
43 100
58 42.9 28.6 42.8#



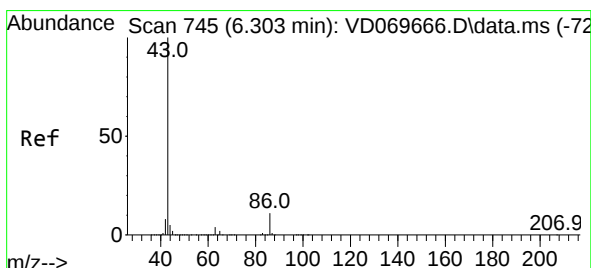
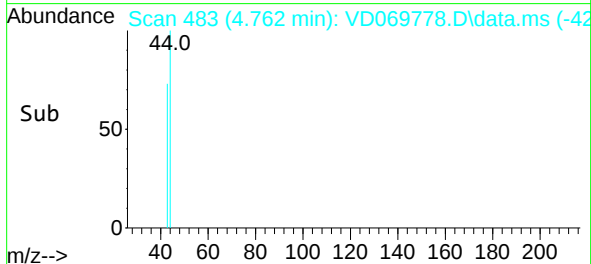
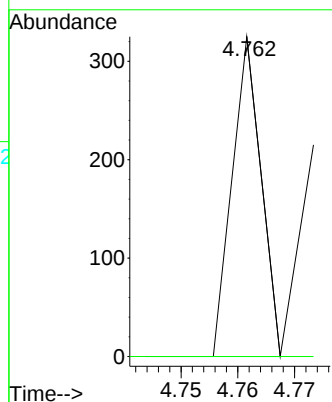


#18
Methyl Acetate
Concen: Below Cal
RT: 4.762 min Scan# 483
Delta R.T. 0.048 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

Instrument :
MSVOA_D
ClientSampled :

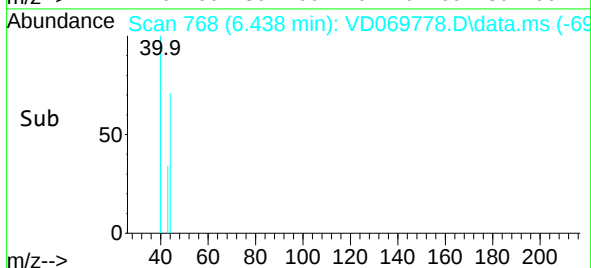
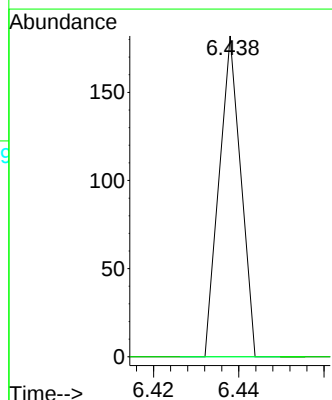
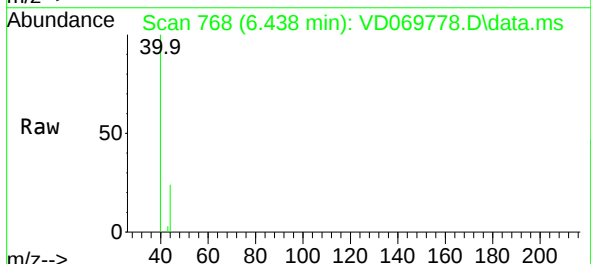


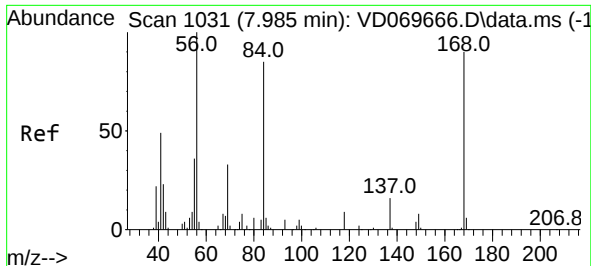
Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#23
Vinyl Acetate
Concen: 15.466 ug/l
RT: 6.438 min Scan# 768
Delta R.T. 0.135 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

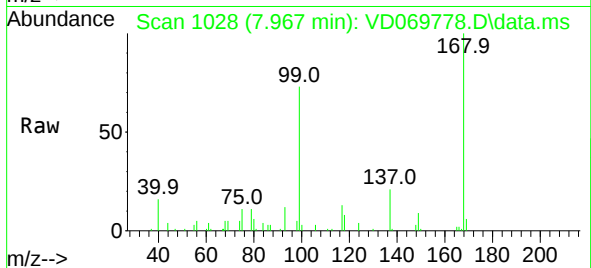
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#



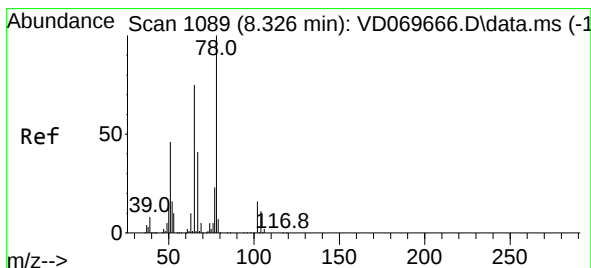
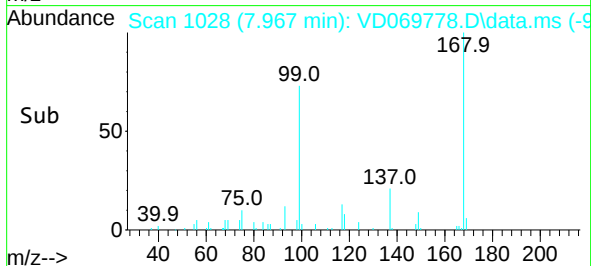
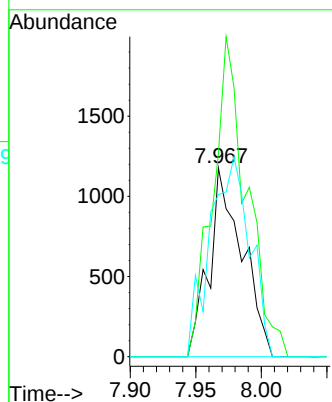


#31
Cyclohexane
Concen: 1.722 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

Instrument :
MSVOA_D
ClientSampleId :

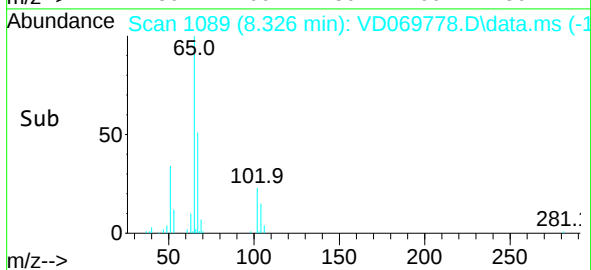
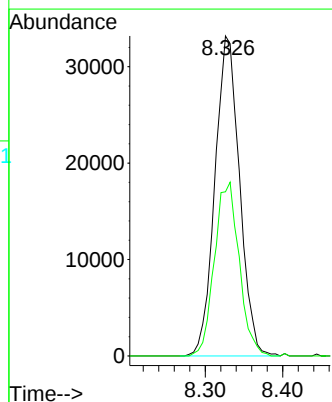
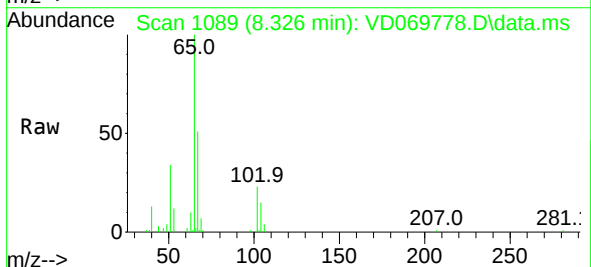


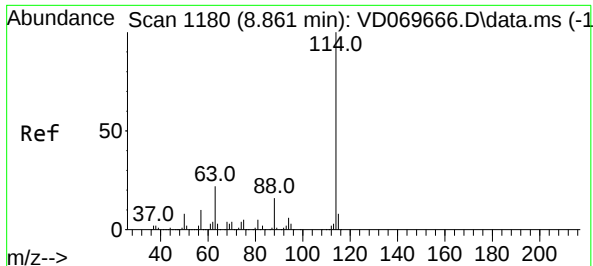
Tgt Ion: 56 Resp: 2072
Ion Ratio Lower Upper
56 100
69 107.8 26.6 39.8#
84 85.9 68.2 102.2



#33
1,2-Dichloroethane-d4
Concen: 80.015 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

Tgt Ion: 65 Resp: 73338
Ion Ratio Lower Upper
65 100
67 54.4 0.0 107.2



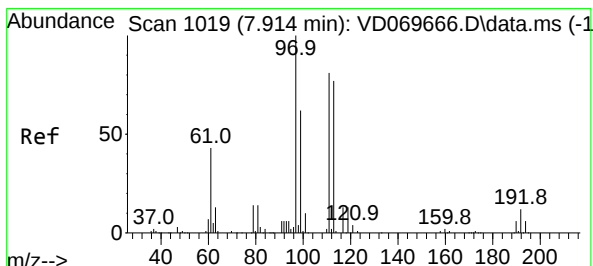
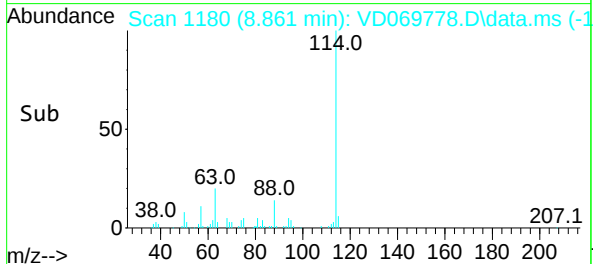
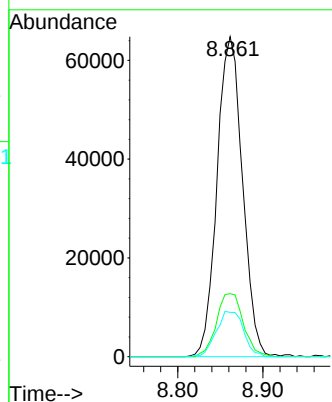
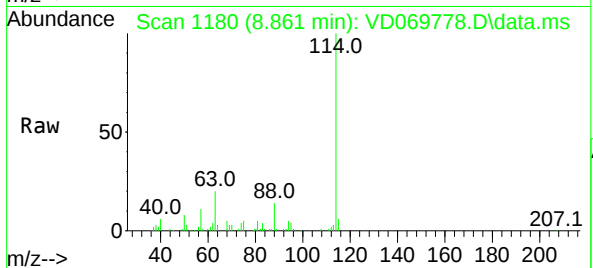


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

Instrument :
MSVOA_D
ClientSampleId :

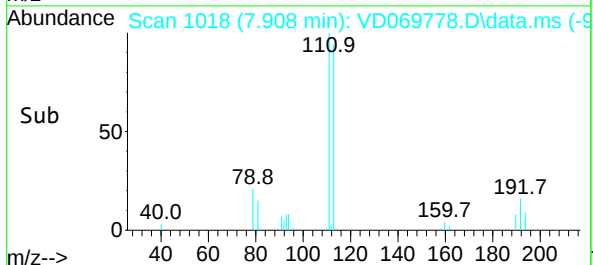
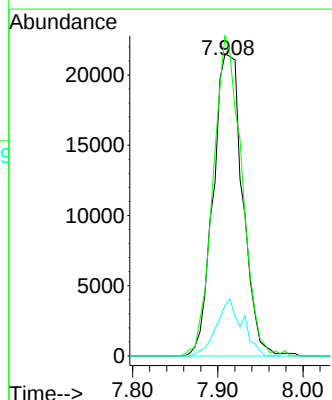
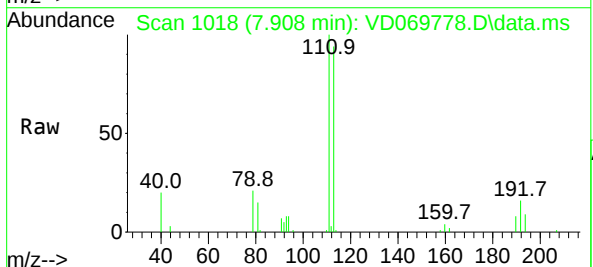
Tgt Ion:	114	Resp:	134105
Ion Ratio	Lower	Upper	
114	100		
63	19.7	0.0	43.4
88	13.9	0.0	32.0

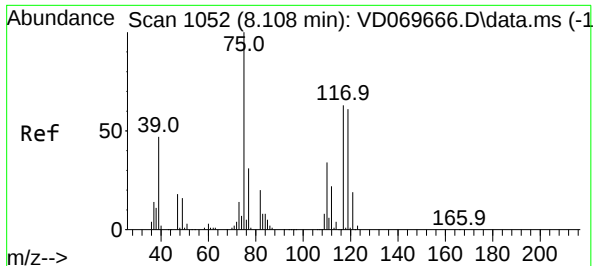


#35

Dibromofluoromethane
Concen: 57.376 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

Tgt Ion:	113	Resp:	51620
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.6	123.8
192	16.8	12.7	19.1

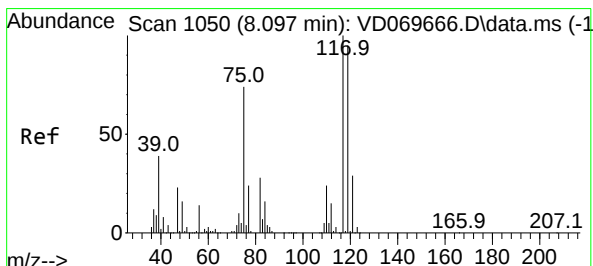
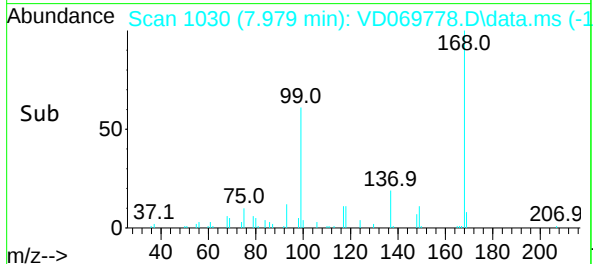
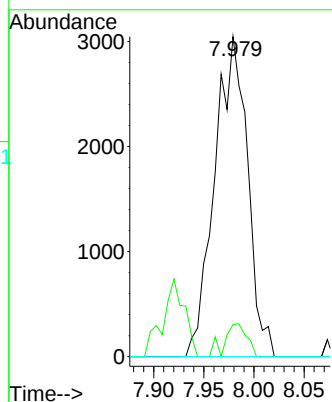
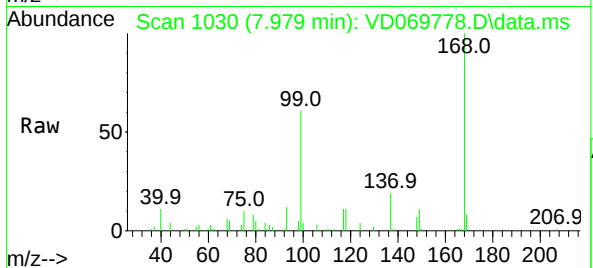




#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

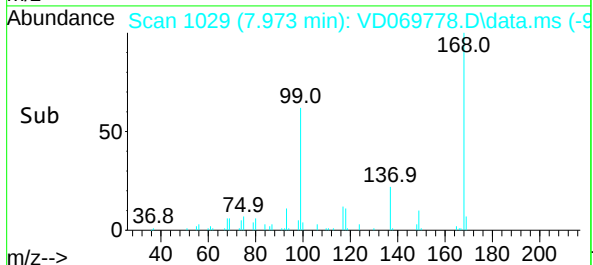
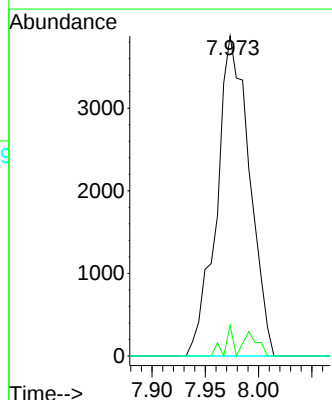
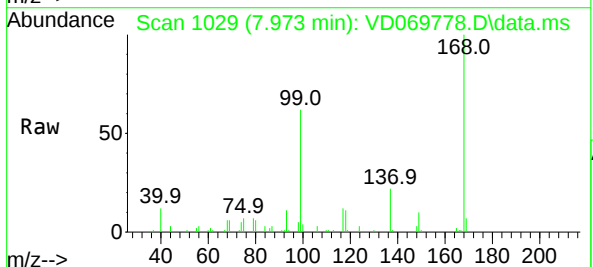
Instrument :
MSVOA_D
ClientSampled :

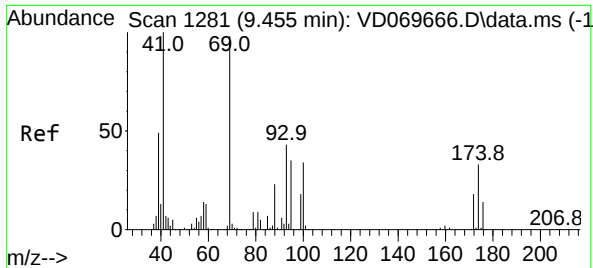
Tgt Ion: 75 Resp: 6958
Ion Ratio Lower Upper
75 100
110 7.0 16.7 50.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.543 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

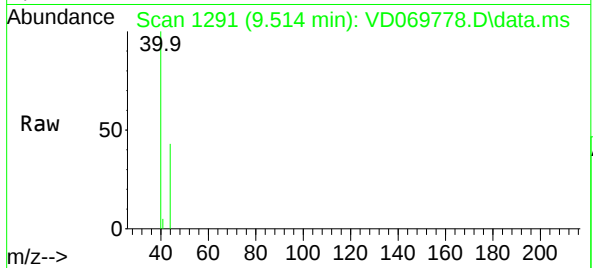
Tgt Ion: 117 Resp: 8289
Ion Ratio Lower Upper
117 100
119 9.6 75.7 113.5#
121 0.0 23.0 34.6#



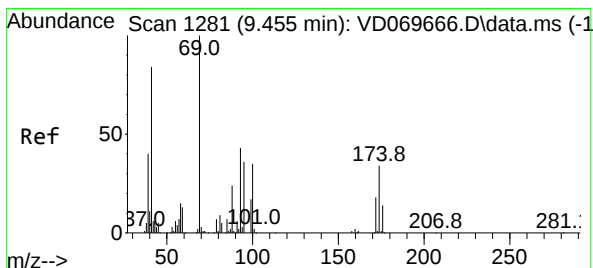
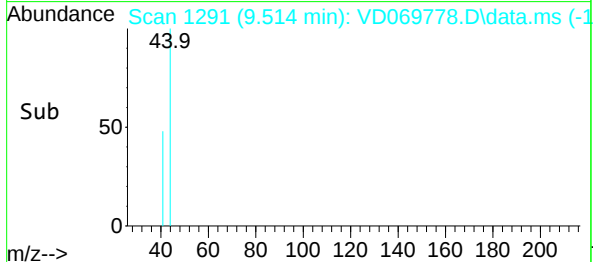
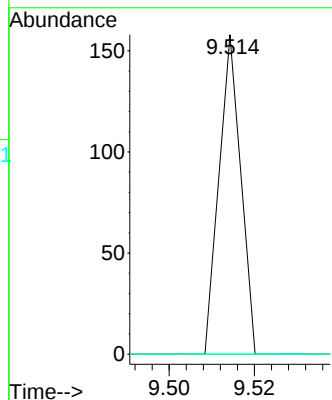


#48
Methyl methacrylate
Concen: 1.213 ug/l
RT: 9.514 min Scan# 1291
Delta R.T. 0.059 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

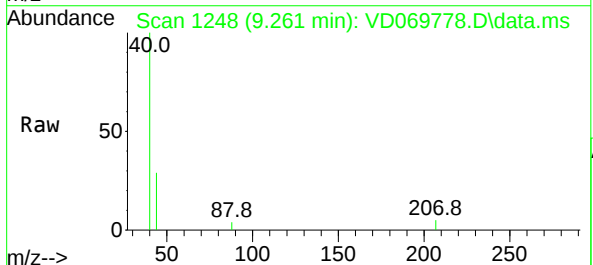
Instrument :
MSVOA_D
ClientSampleId :



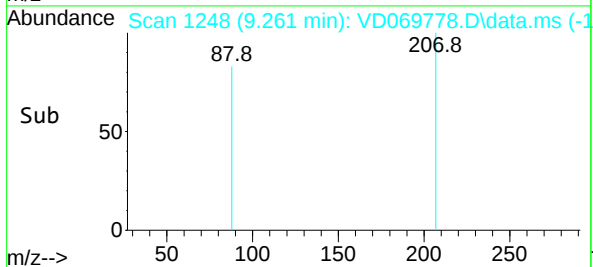
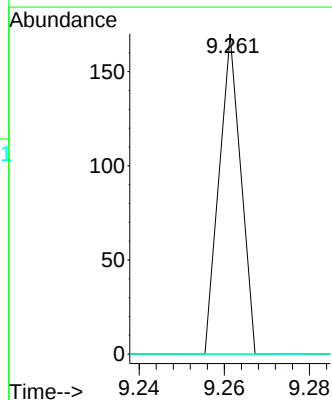
Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#

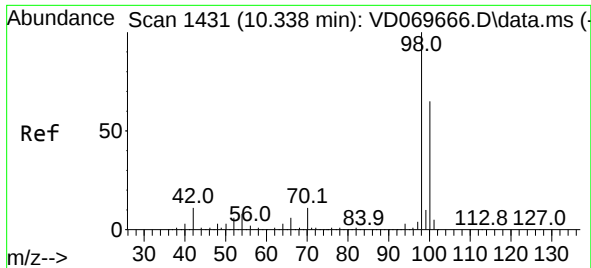


#49
1,4-Dioxane
Concen: 108.834 ug/l
RT: 9.261 min Scan# 1248
Delta R.T. -0.194 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11



Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 0.0 62.6 94.0#

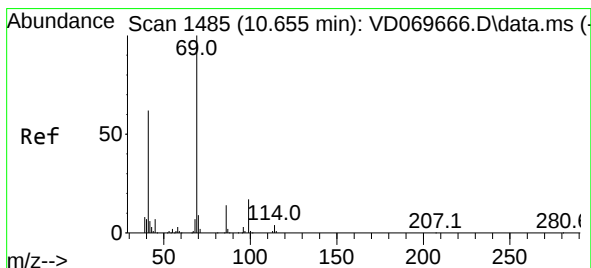
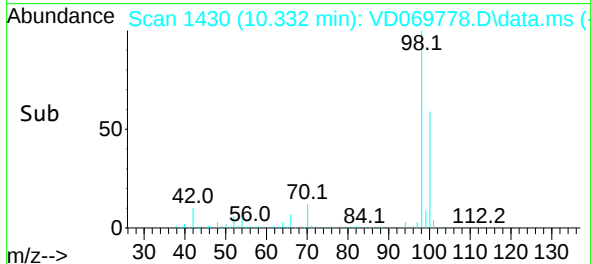
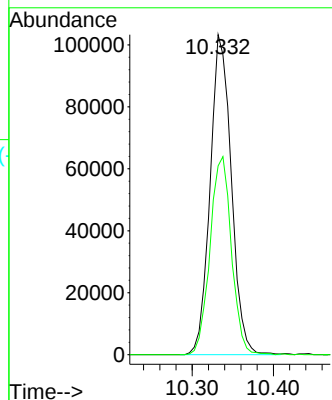
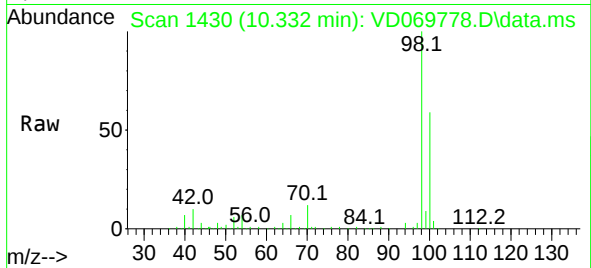




#50
Toluene-d8
Concen: 53.512 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

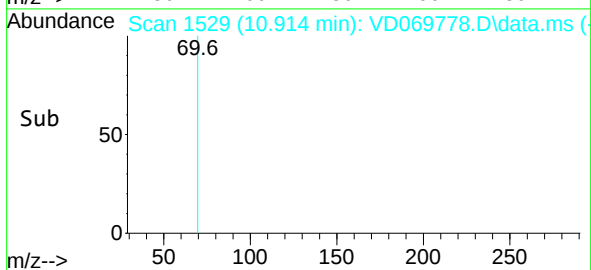
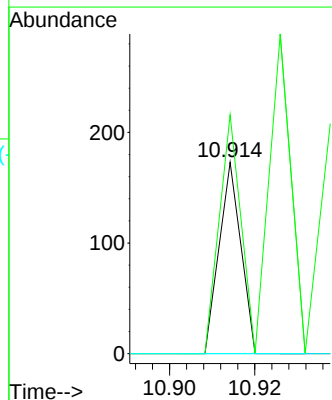
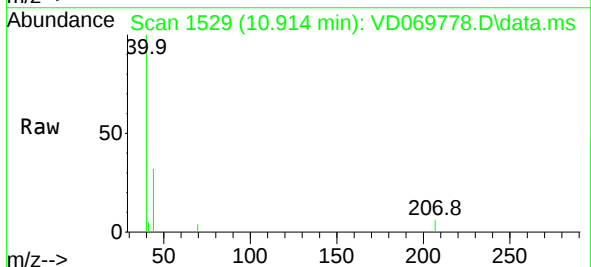
Instrument :
MSVOA_D
ClientSampled :

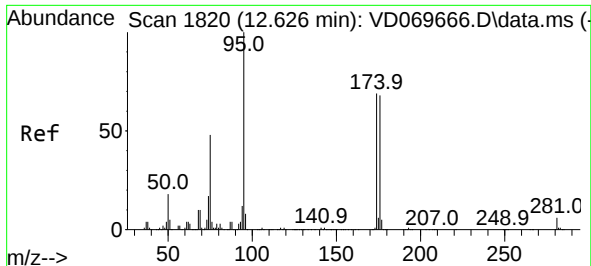
Tgt Ion: 98 Resp: 187038
Ion Ratio Lower Upper
98 100
100 62.6 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.729 ug/l
RT: 10.914 min Scan# 1529
Delta R.T. 0.259 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

Tgt Ion: 69 Resp: 61
Ion Ratio Lower Upper
69 100
41 124.6 49.5 74.3#
39 0.0 22.5 33.7#

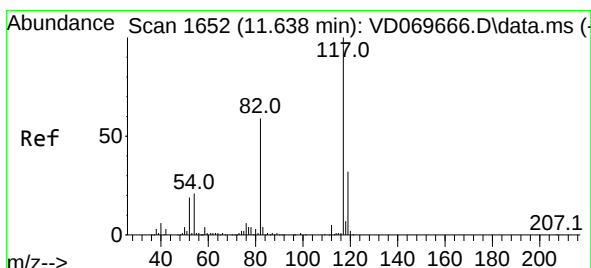
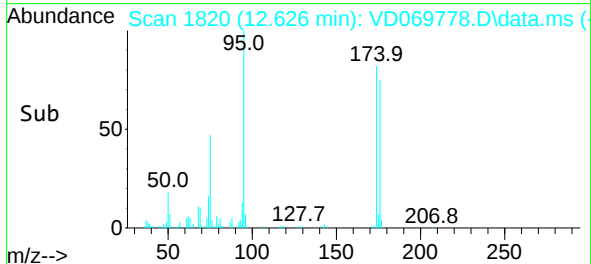
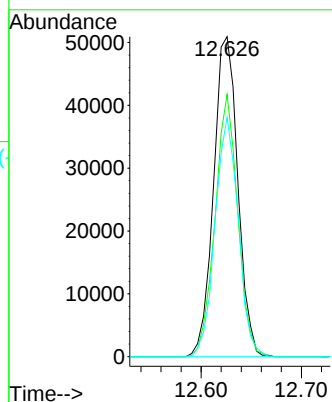
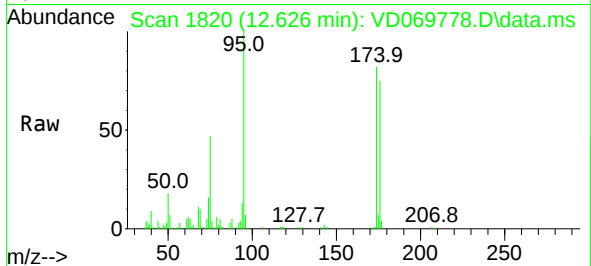




#62
4-Bromofluorobenzene
Concen: 73.246 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

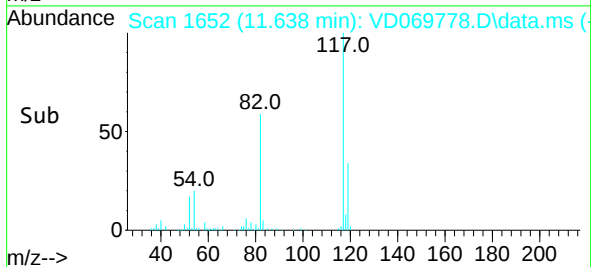
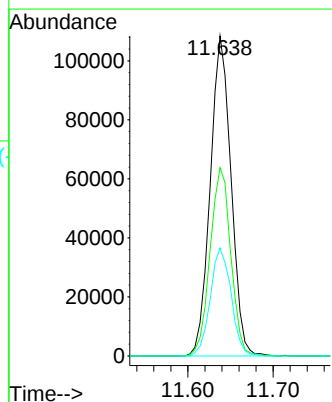
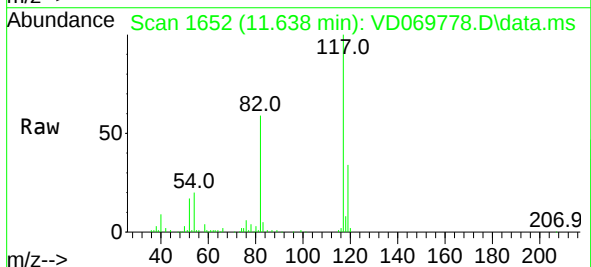
Instrument :
MSVOA_D
ClientSampleId :

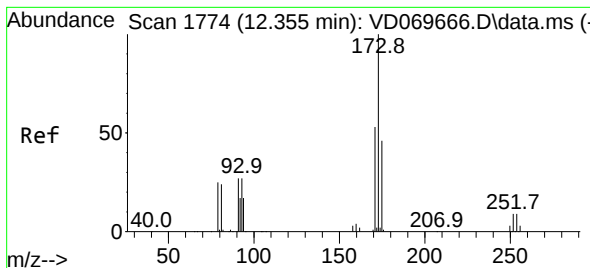
Tgt Ion: 95 Resp: 85384
Ion Ratio Lower Upper
95 100
174 77.0 0.0 140.0
176 72.0 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

Tgt Ion: 117 Resp: 184057
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 33.8 25.5 38.3





#71

Bromoform

Concen: 1.113 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.265 min

Lab File: VD069778.D

Acq: 20 Jul 2021 19:11

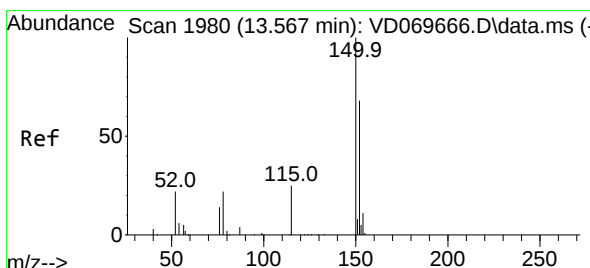
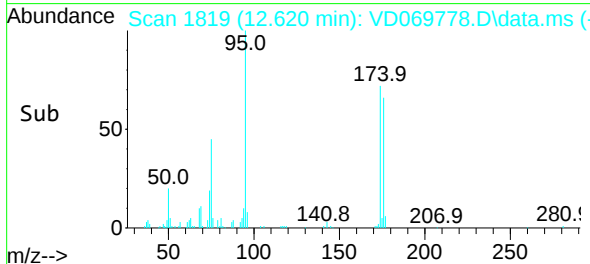
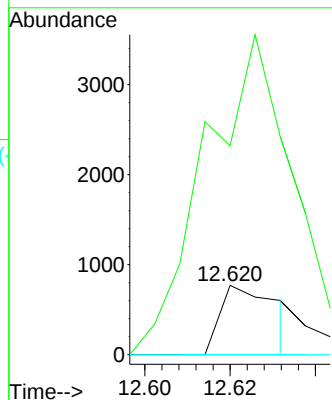
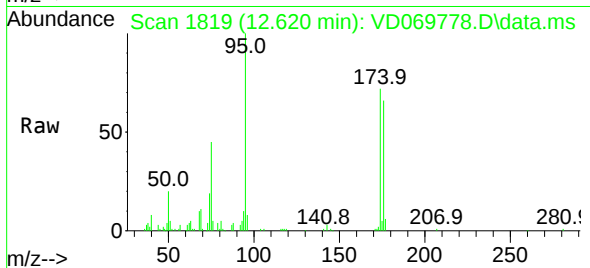
Tgt Ion:173 Resp: 709

Ion Ratio Lower Upper

173 100

175 609.2 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: VD069778.D

Acq: 20 Jul 2021 19:11

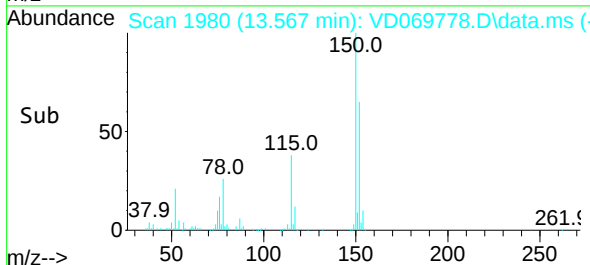
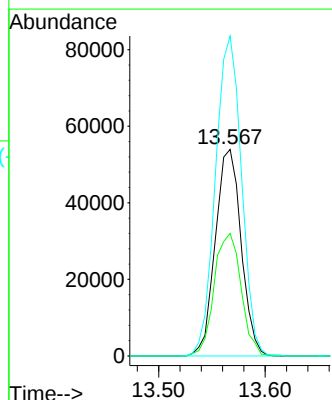
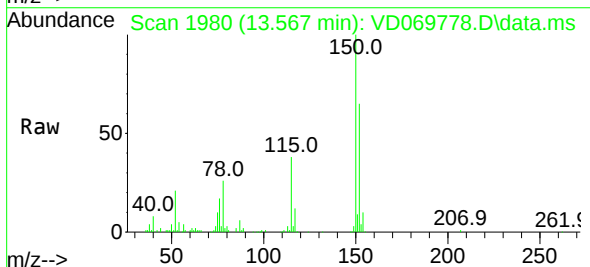
Tgt Ion:152 Resp: 90845

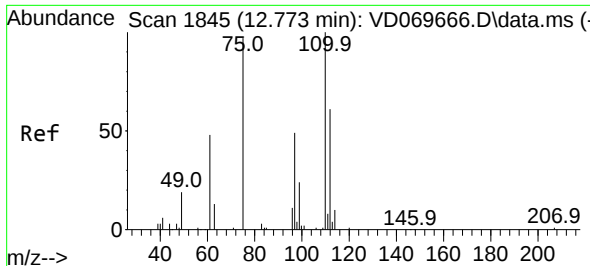
Ion Ratio Lower Upper

152 100

115 61.8 31.7 95.1

150 156.0 0.0 350.4

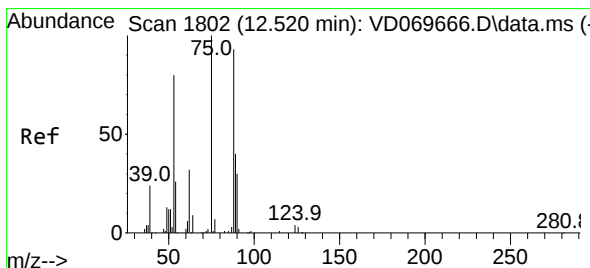
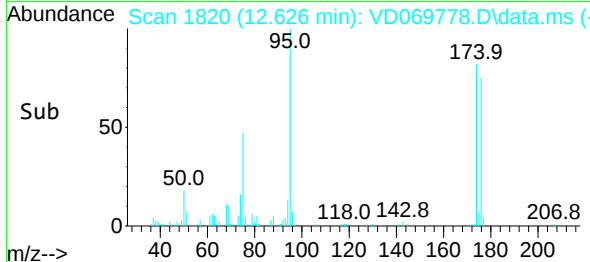
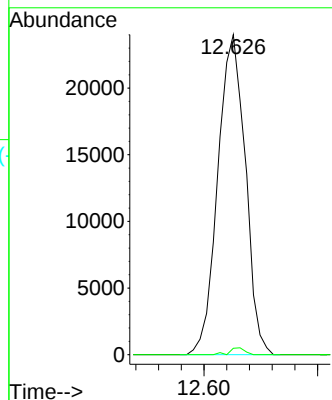
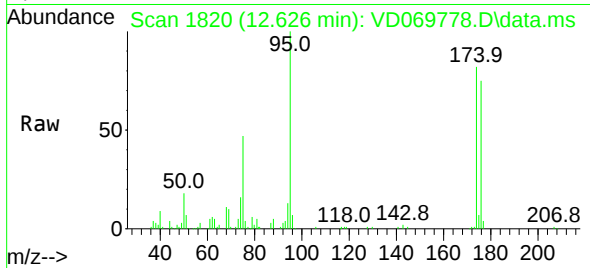




#76
1,2,3-Trichloropropane
Concen: 45.783 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

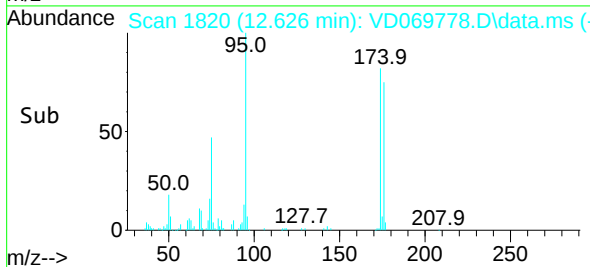
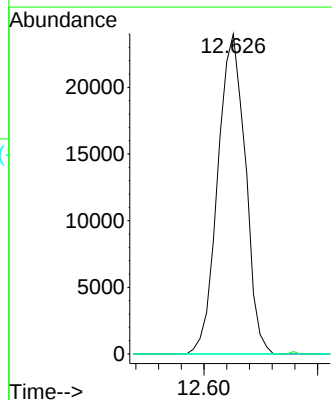
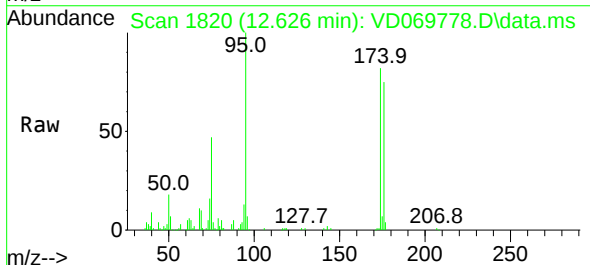
Instrument :
MSVOA_D
ClientSampleId :

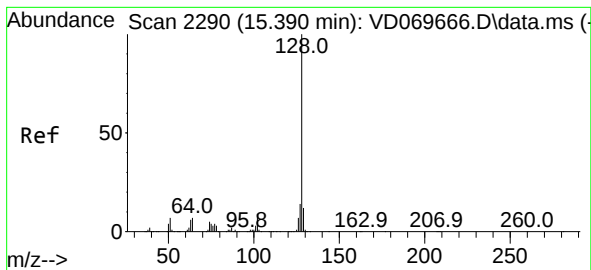
Tgt Ion: 75 Resp: 40405
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.040 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

Tgt Ion: 75 Resp: 40405
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.0 35.1 52.7#





#95
Naphthalene
Concen: 2.231 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069778.D
Acq: 20 Jul 2021 19:11

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 78
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

