

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069776.D
 Acq On : 20 Jul 2021 18:14
 Operator : VA/SY
 Sample : M3038-07
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 21 03:27:39 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)

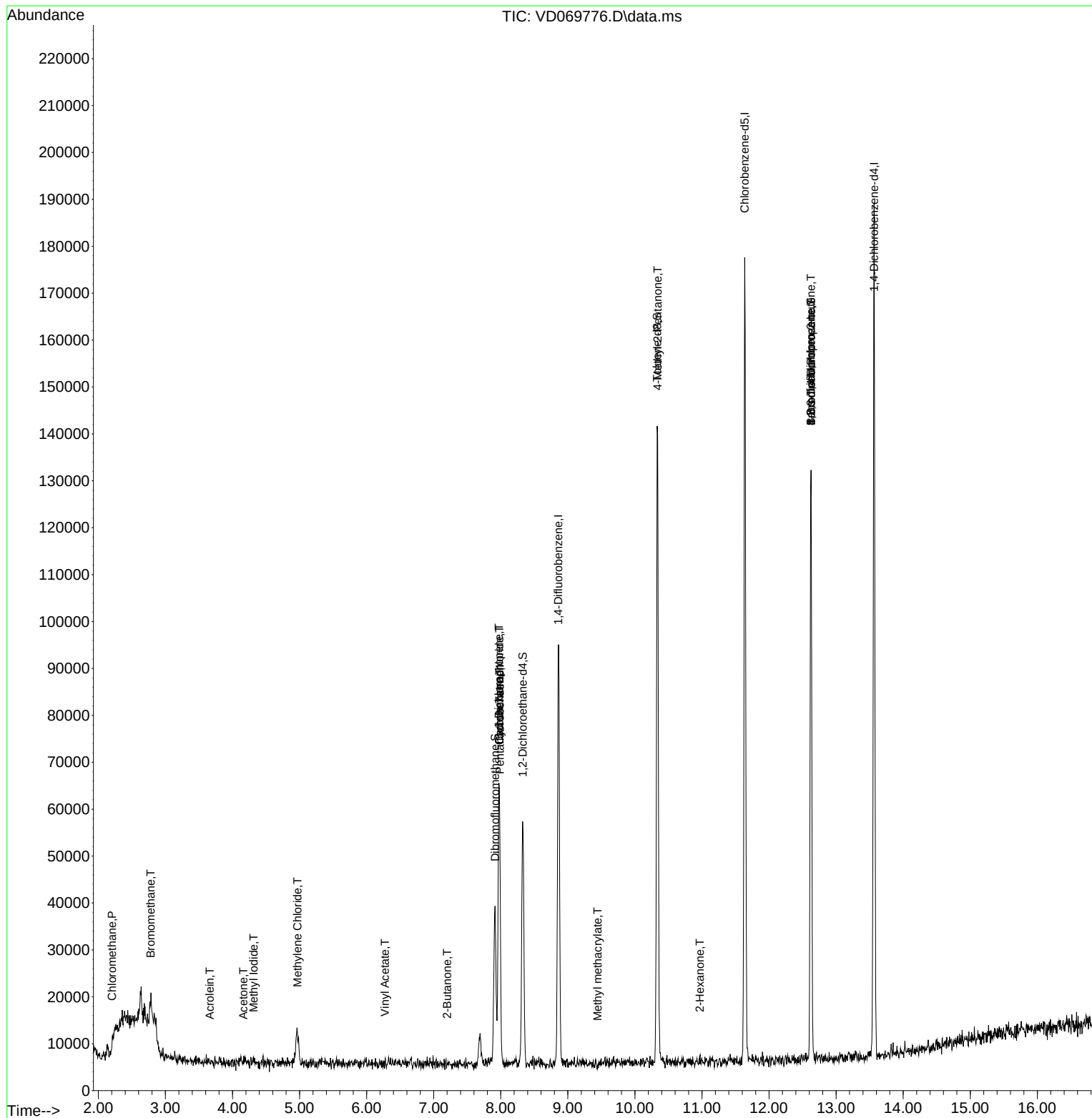
Internal Standards						
1) Pentafluorobenzene	7.985	168	43127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	74896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	98744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	46984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	40929	76.006	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 152.020%	
35) Dibromofluoromethane	7.914	113	25215	50.183	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.360%	
50) Toluene-d8	10.332	98	97801	50.101	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.200%	
62) 4-Bromofluorobenzene	12.626	95	42922	65.929	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 131.860%	
Target Compounds						Qvalue
3) Chloromethane	2.203	50	1147	1.602	ug/l #	36
5) Bromomethane	2.779	94	2392	4.332	ug/l	88
10) Methyl Iodide	4.314	142	720	3.744	ug/l #	49
13) Acrolein	3.661	56	71	1.912	ug/l #	15
16) Acetone	4.161	43	843	19.848	ug/l #	39
18) Methyl Acetate	4.750	43	59	Below Cal	#	49
20) Methylene Chloride	4.967	84	6066	3.462	ug/l #	78
23) Vinyl Acetate	6.273	43	60	15.491	ug/l #	72
25) 2-Butanone	7.202	43	128	1.006	ug/l #	47
31) Cyclohexane	7.979	56	859	1.334	ug/l #	8
36) 1,1-Dichloropropene	7.973	75	3879	5.020	ug/l #	42
38) Carbon Tetrachloride	7.979	117	4551	6.432	ug/l #	21
48) Methyl methacrylate	9.443	41	86	1.405	ug/l #	13
51) 4-Methyl-2-Pentanone	10.338	43	399	1.440	ug/l #	1
59) 2-Hexanone	10.967	43	247	1.337	ug/l #	22
71) Bromoform	12.626	173	552	1.616	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	20961	45.923	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	20961	123.416	ug/l #	14

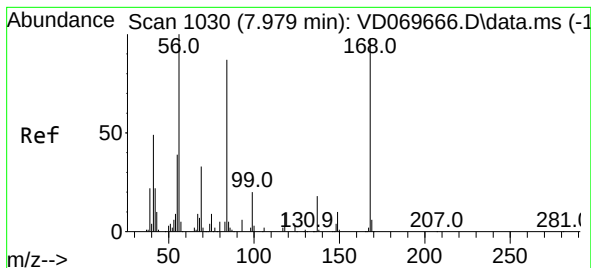
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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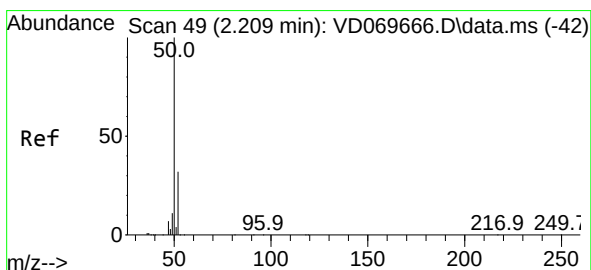
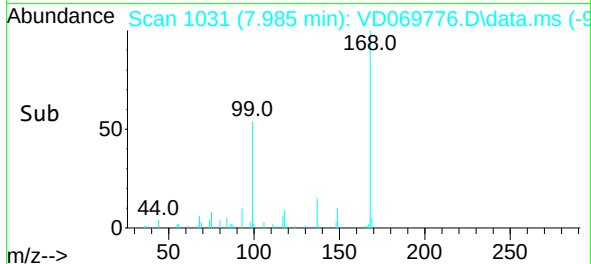
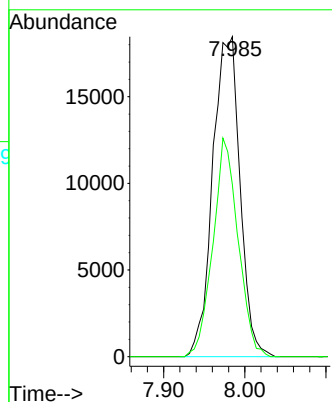
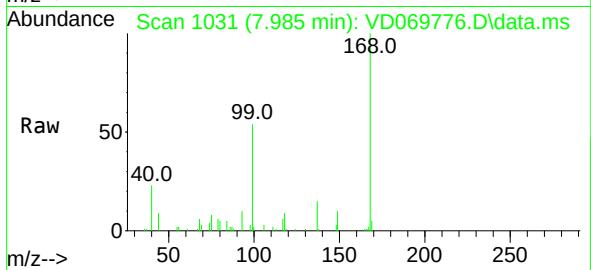




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

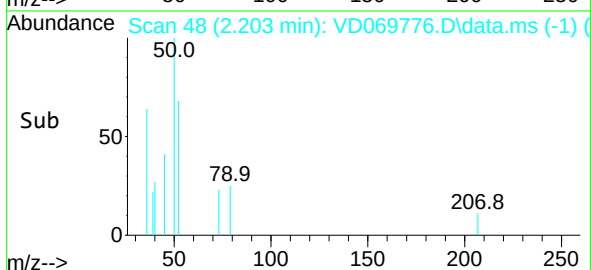
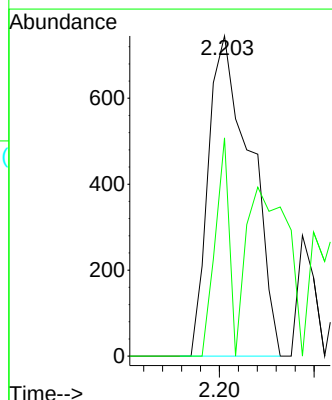
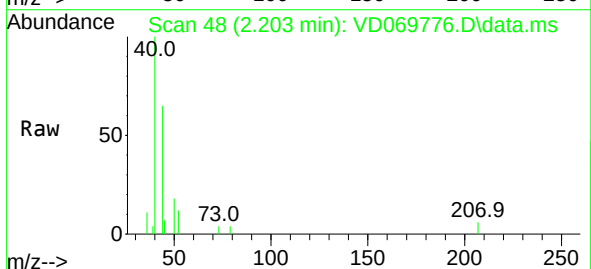
Instrument :
MSVOA_D
ClientSampled :

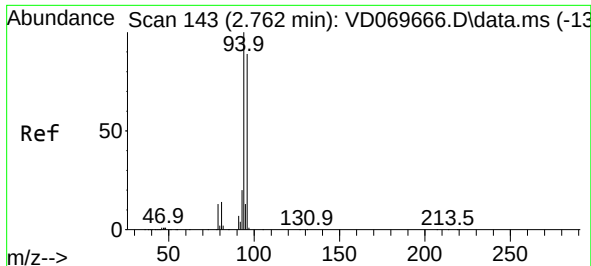
Tgt Ion:168 Resp: 43127
Ion Ratio Lower Upper
168 100
99 53.8 51.8 77.6



#3
Chloromethane
Concen: 1.602 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

Tgt Ion: 50 Resp: 1147
Ion Ratio Lower Upper
50 100
52 68.2 25.9 38.9#

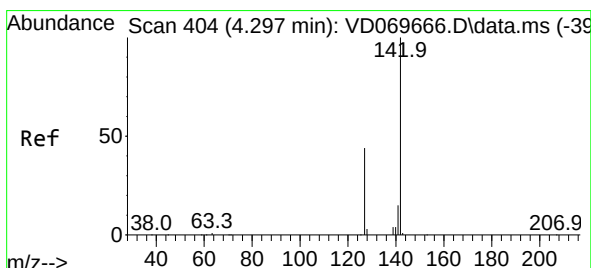
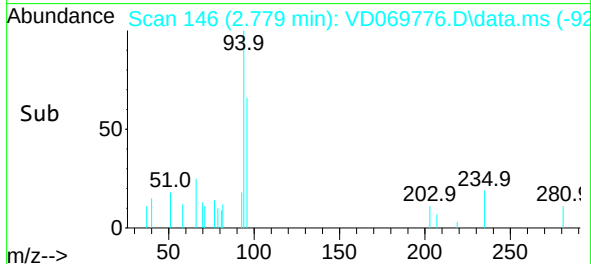
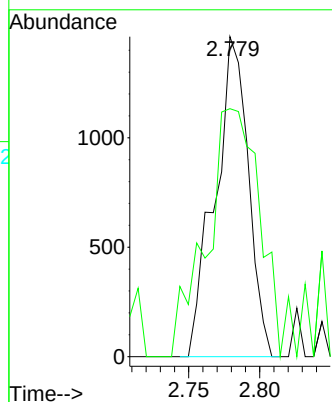
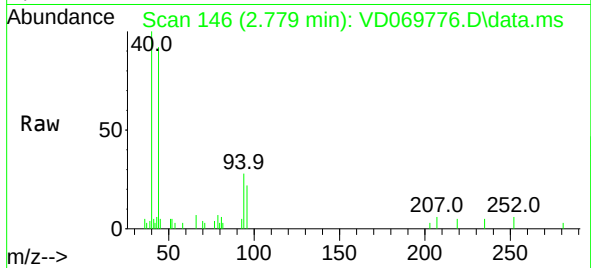




#5
Bromomethane
Concen: 4.332 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

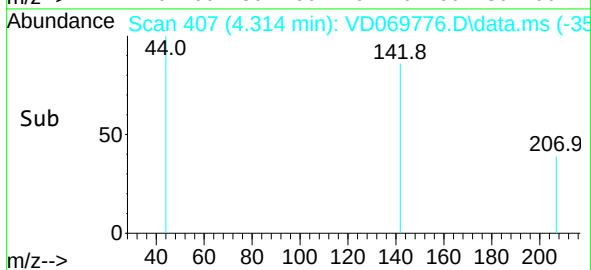
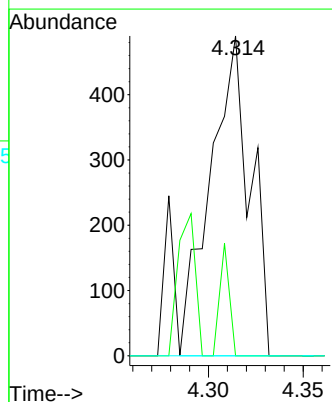
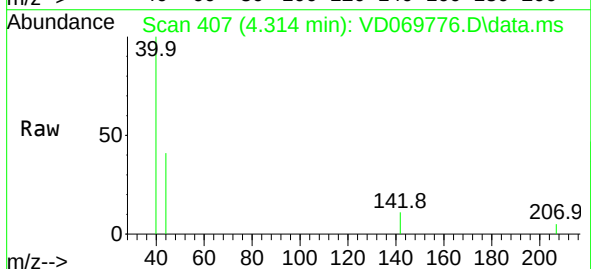
Instrument :
MSVOA_D
ClientSampled :

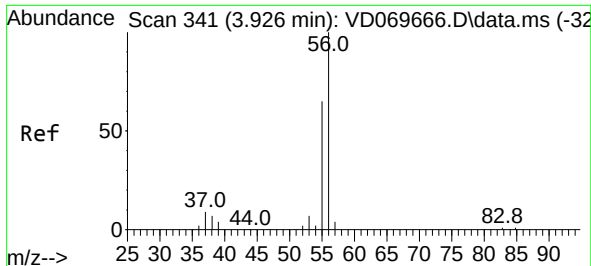
Tgt Ion: 94 Resp: 2392
Ion Ratio Lower Upper
94 100
96 77.5 71.2 106.8



#10
Methyl Iodide
Concen: 3.744 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

Tgt Ion: 142 Resp: 720
Ion Ratio Lower Upper
142 100
127 8.5 36.1 54.1#
141 0.0 11.6 17.4#

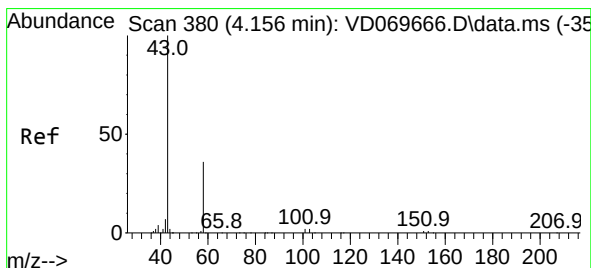
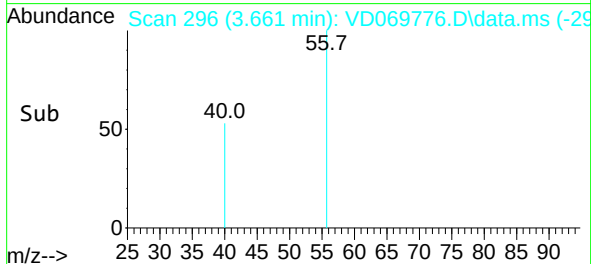
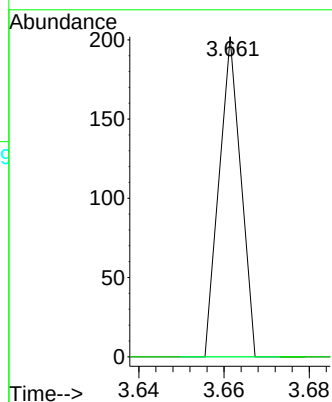
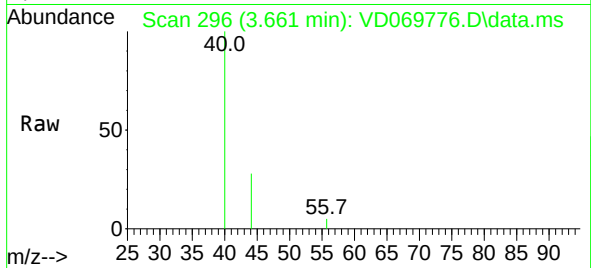




#13
Acrolein
Concen: 1.912 ug/l
RT: 3.661 min Scan# 296
Delta R.T. -0.265 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

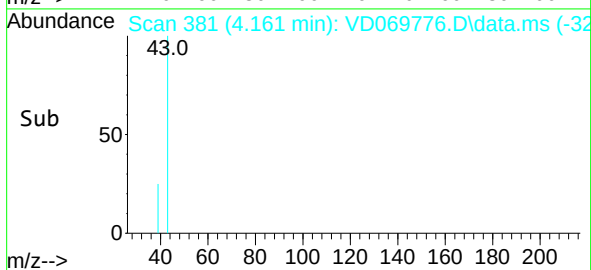
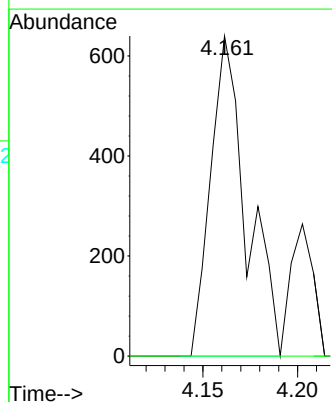
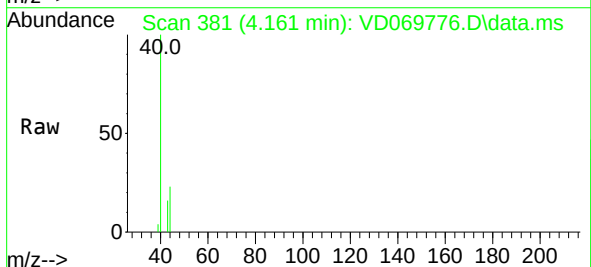
Instrument :
MSVOA_D
ClientSampleId :

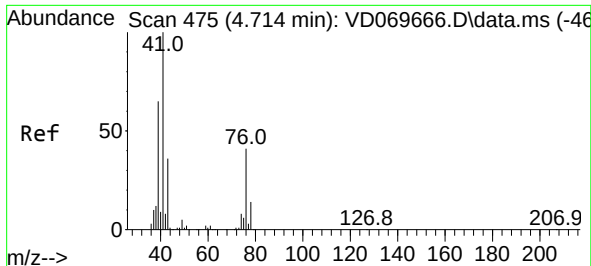
Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 19.848 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

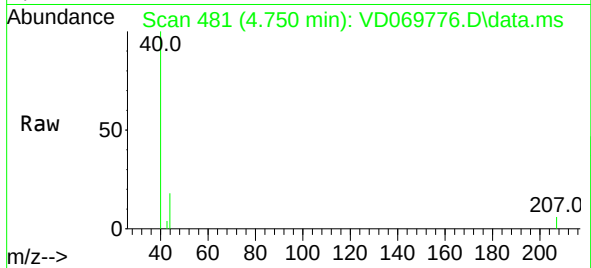
Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#



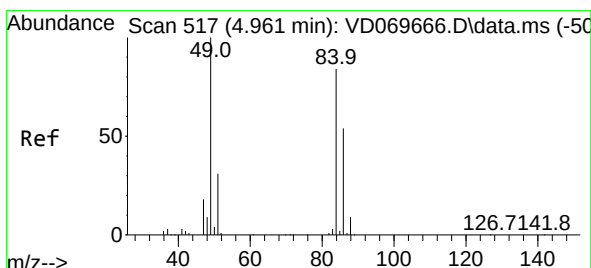
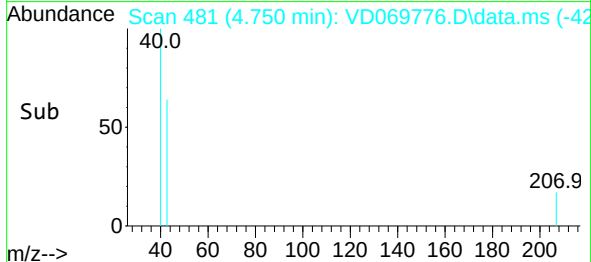
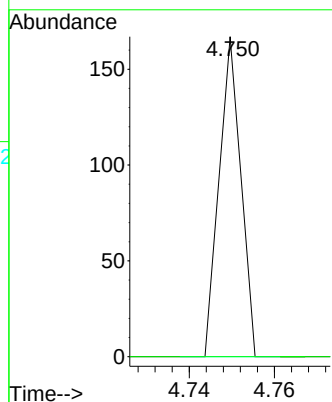


#18
Methyl Acetate
Concen: Below Cal
RT: 4.750 min Scan# 481
Delta R.T. 0.036 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

Instrument :
MSVOA_D
ClientSampled :

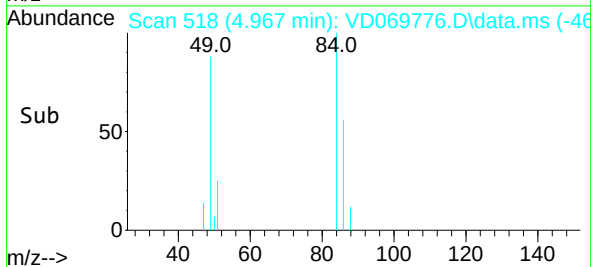
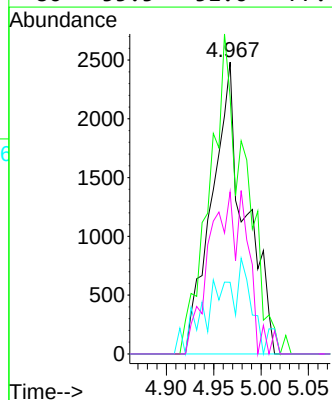
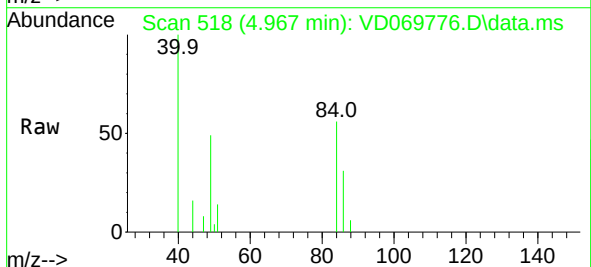


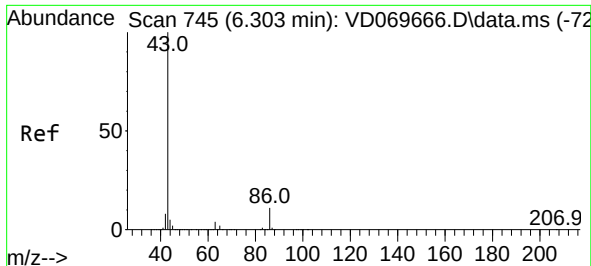
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 3.462 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

Tgt Ion: 84 Resp: 6066
Ion Ratio Lower Upper
84 100
49 88.0 95.5 143.3#
51 24.5 29.7 44.5#
86 55.5 51.6 77.4

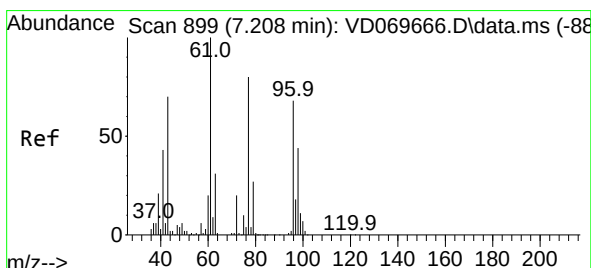
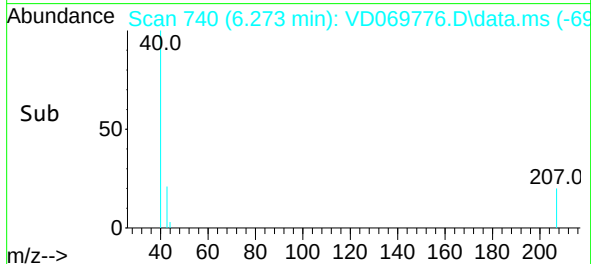
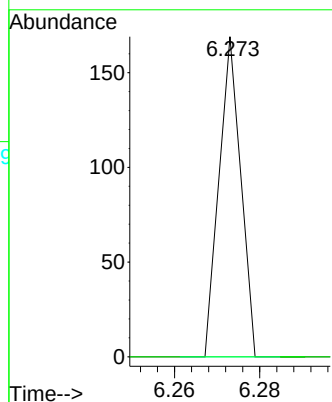
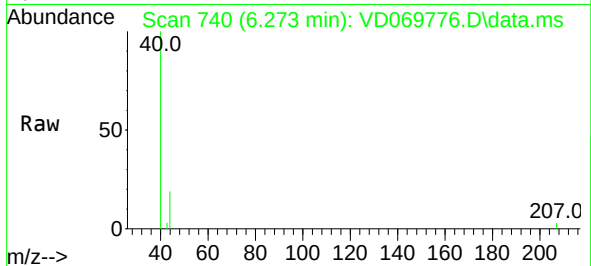




#23
 Vinyl Acetate
 Concen: 15.491 ug/l
 RT: 6.273 min Scan# 740
 Delta R.T. -0.030 min
 Lab File: VD069776.D
 Acq: 20 Jul 2021 18:14

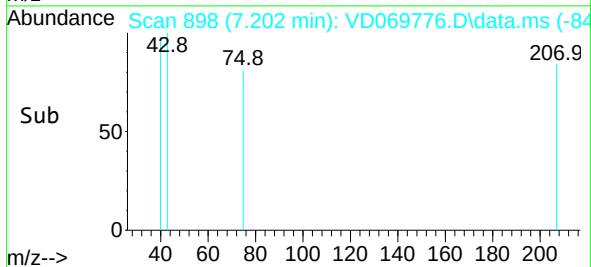
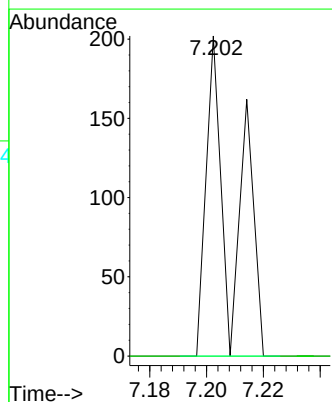
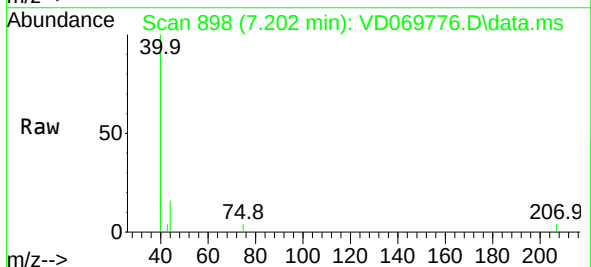
Instrument :
 MSVOA_D
 ClientSampled :

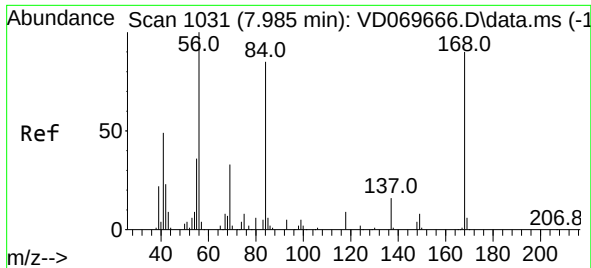
Tgt Ion: 43 Resp: 60
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 1.006 ug/l
 RT: 7.202 min Scan# 898
 Delta R.T. -0.006 min
 Lab File: VD069776.D
 Acq: 20 Jul 2021 18:14

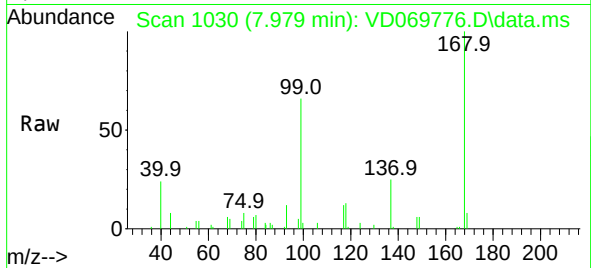
Tgt Ion: 43 Resp: 128
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.6 33.8#



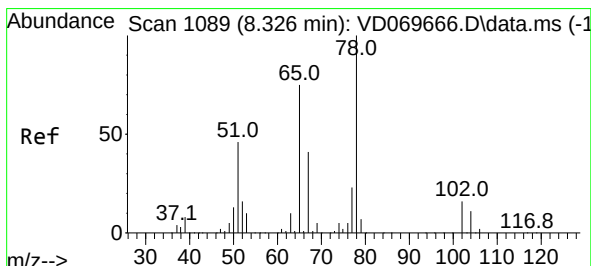
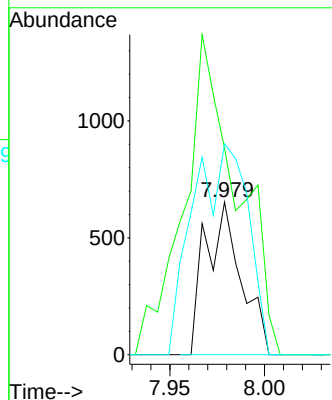
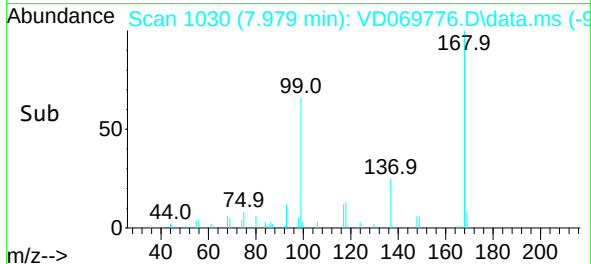


#31
Cyclohexane
Concen: 1.334 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

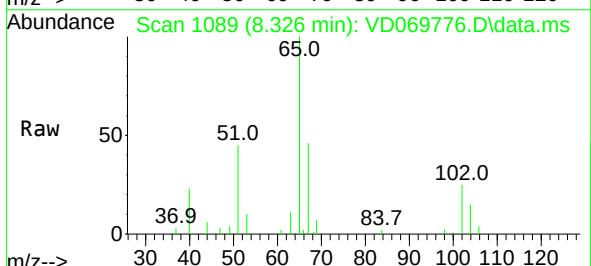
Instrument :
MSVOA_D
ClientSampled :



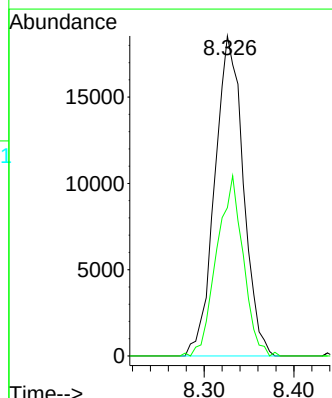
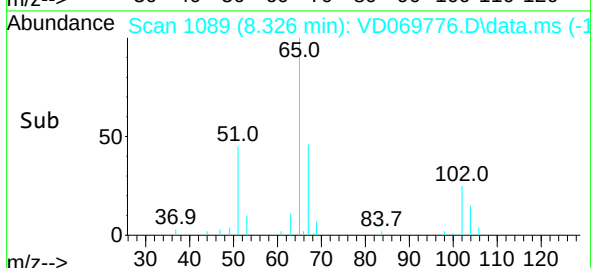
Tgt Ion: 56 Resp: 859
Ion Ratio Lower Upper
56 100
69 135.2 26.6 39.8#
84 138.1 68.2 102.2#

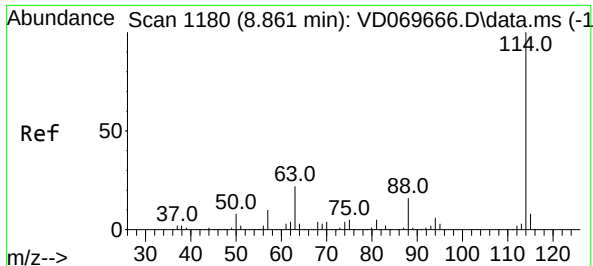


#33
1,2-Dichloroethane-d4
Concen: 76.006 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14



Tgt Ion: 65 Resp: 40929
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.2

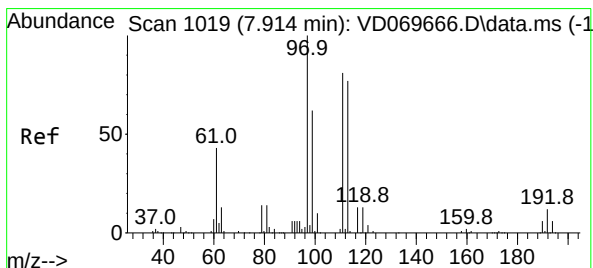
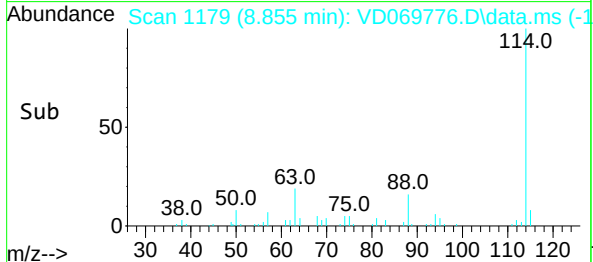
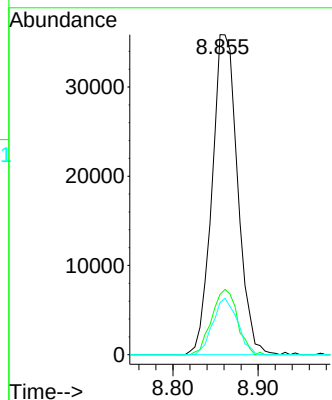
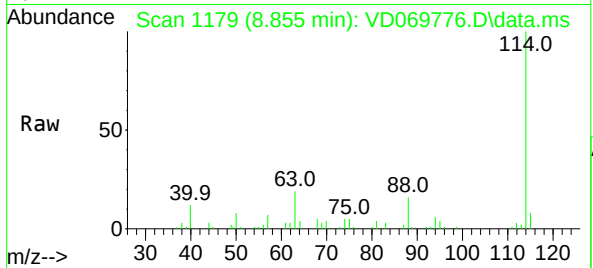




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

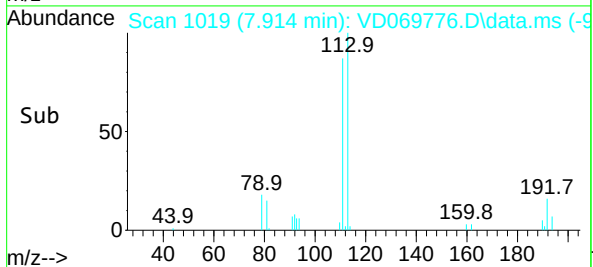
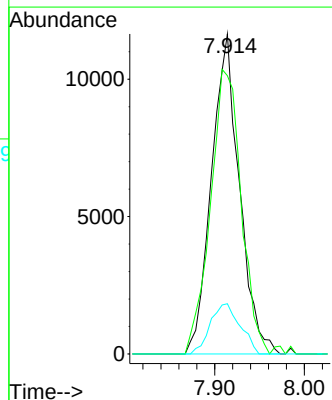
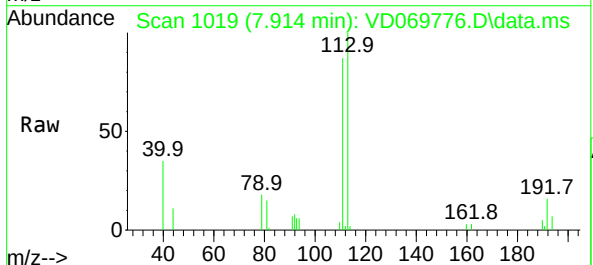
Instrument :
MSVOA_D
ClientSampled :

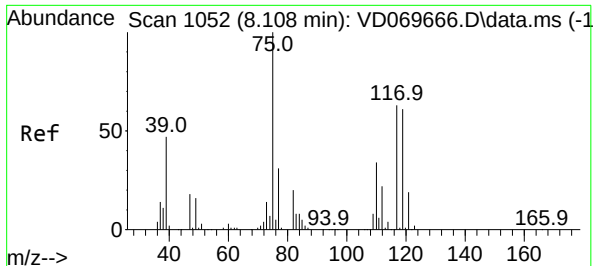
Tgt Ion:114 Resp: 74896
Ion Ratio Lower Upper
114 100
63 18.8 0.0 43.4
88 16.3 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.183 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

Tgt Ion:113 Resp: 25215
Ion Ratio Lower Upper
113 100
111 97.5 82.6 123.8
192 16.8 12.7 19.1

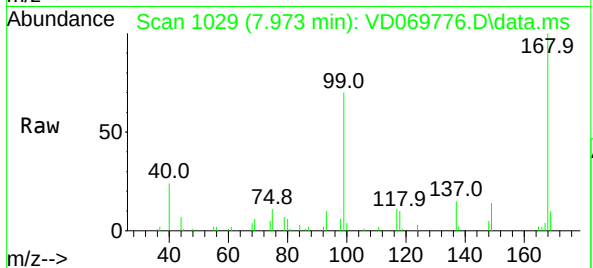




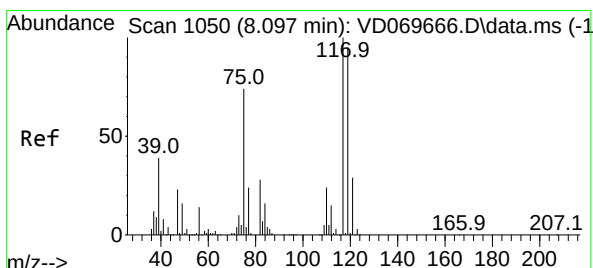
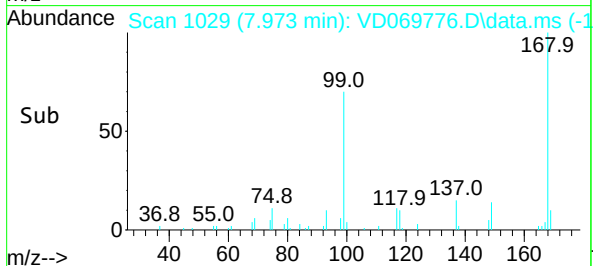
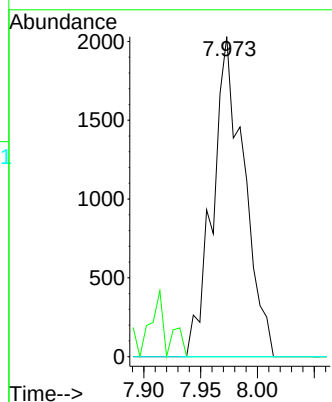
#36

1,1-Dichloropropene
Concen: 5.020 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

Instrument :
MSVOA_D
ClientSampled :

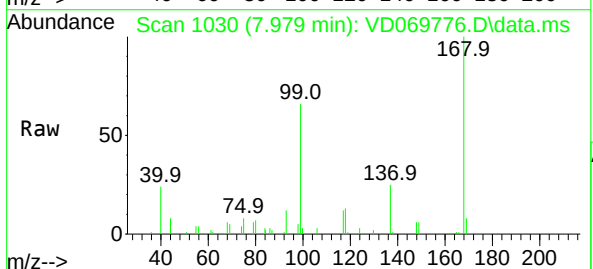


Tgt Ion: 75	Resp: 3879
Ion Ratio	Lower Upper
75	100
110	0.0 16.7 50.0#
77	0.0 25.3 37.9#

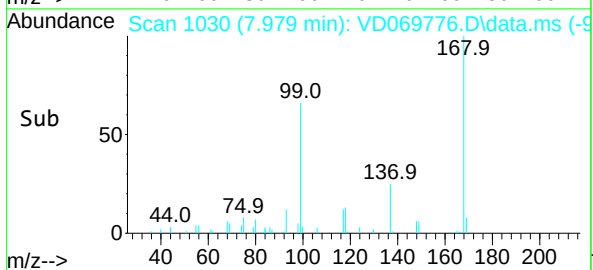
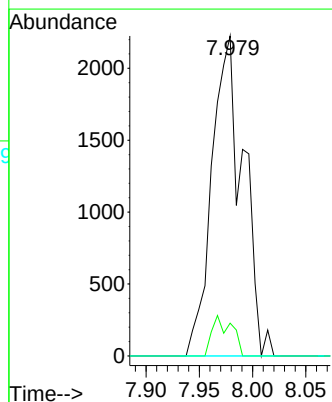


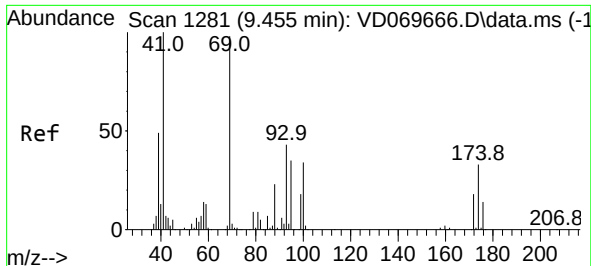
#38

Carbon Tetrachloride
Concen: 6.432 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14



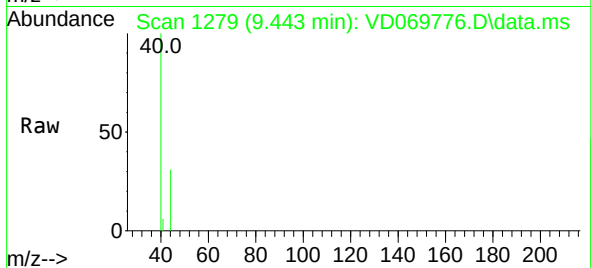
Tgt Ion: 117	Resp: 4551
Ion Ratio	Lower Upper
117	100
119	10.2 75.7 113.5#
121	0.0 23.0 34.6#



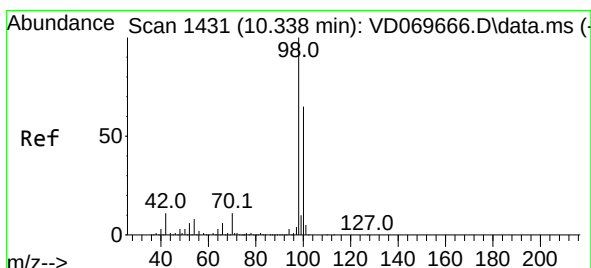
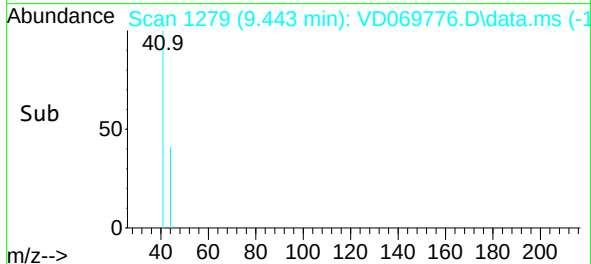
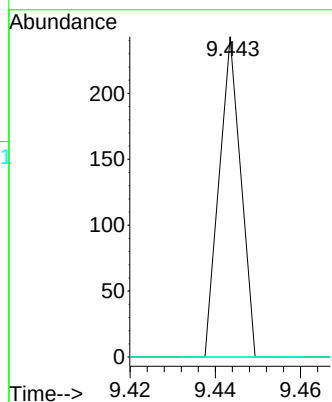


#48
Methyl methacrylate
Concen: 1.405 ug/l
RT: 9.443 min Scan# 1279
Delta R.T. -0.012 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

Instrument :
MSVOA_D
ClientSampled :

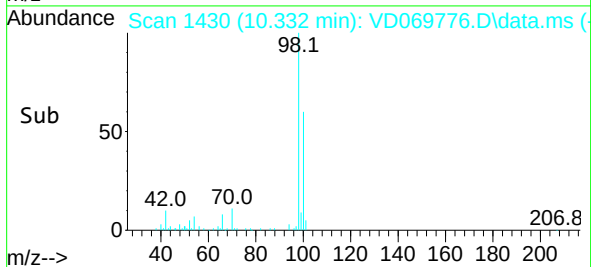
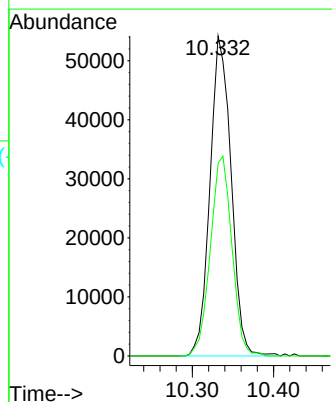
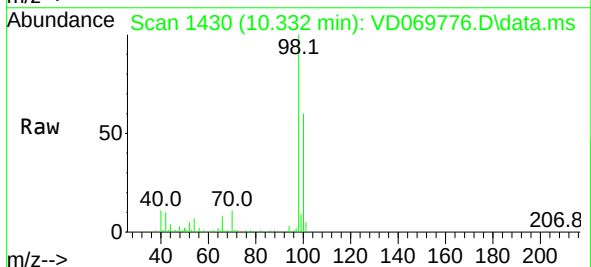


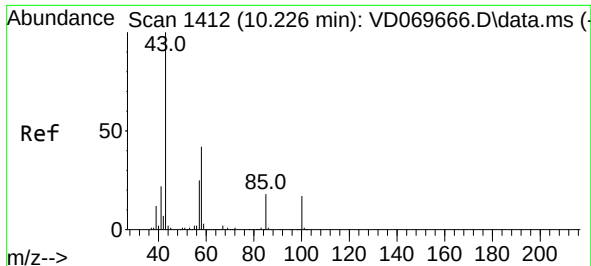
Tgt Ion: 41 Resp: 86
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#



#50
Toluene-d8
Concen: 50.101 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

Tgt Ion: 98 Resp: 97801
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2

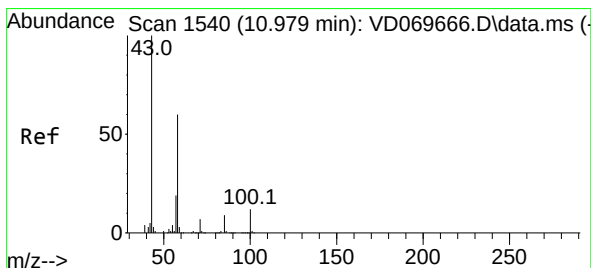
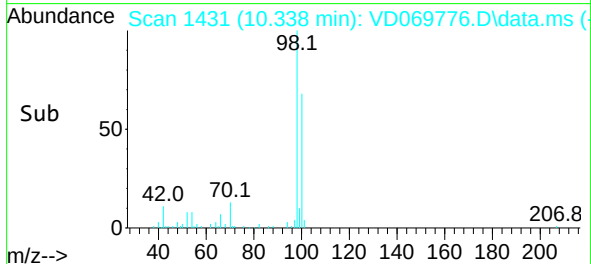
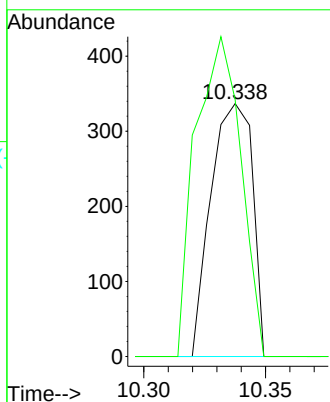
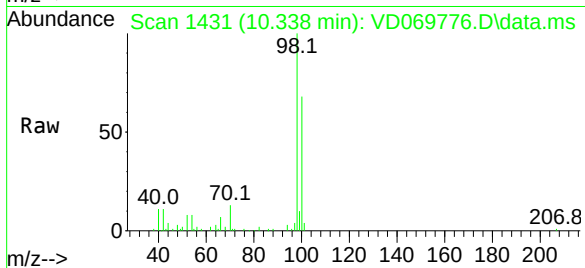




#51
4-Methyl-2-Pentanone
Concen: 1.440 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

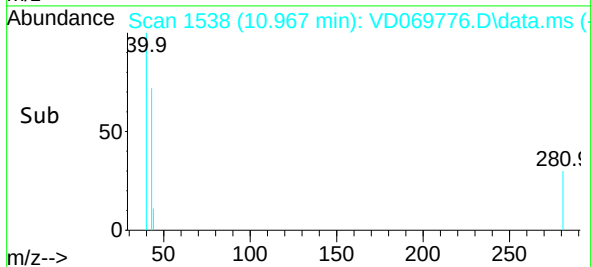
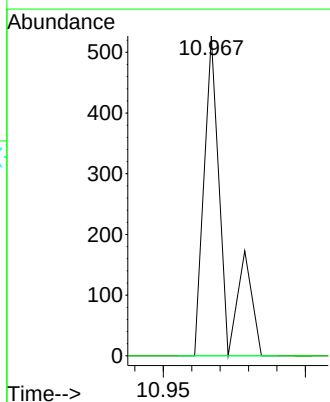
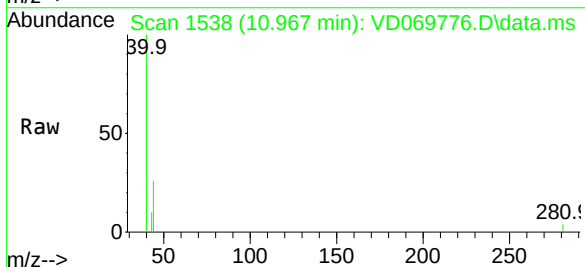
Instrument :
MSVOA_D
ClientSampled :

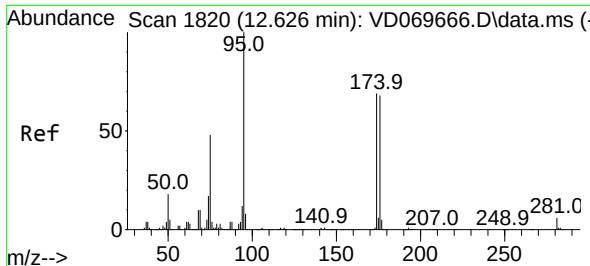
Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
58 138.1 33.5 50.3#



#59
2-Hexanone
Concen: 1.337 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

Tgt Ion: 43 Resp: 247
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#

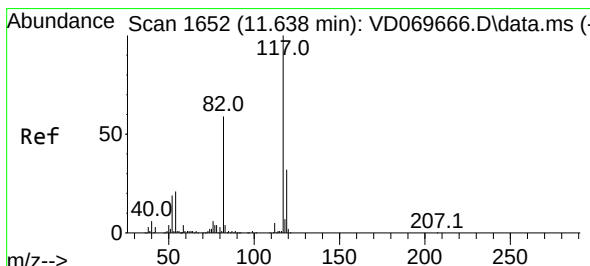
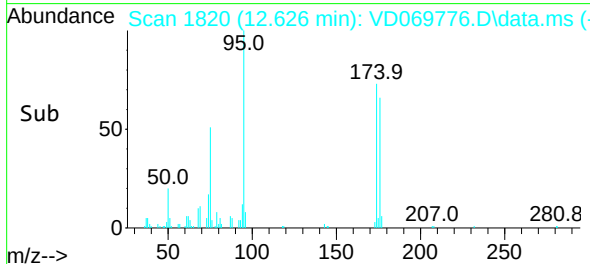
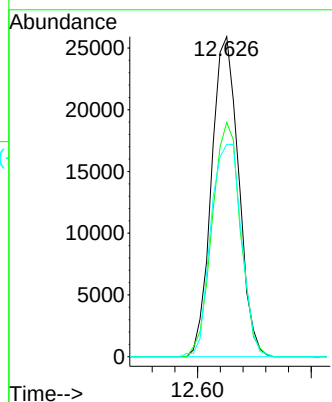
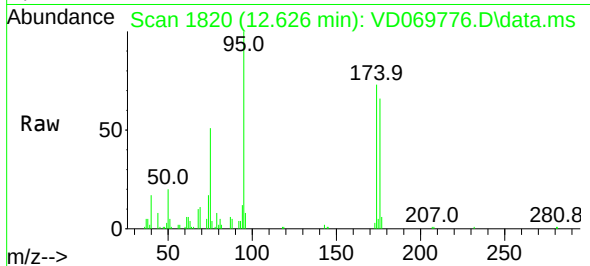




#62
4-Bromofluorobenzene
Concen: 65.929 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

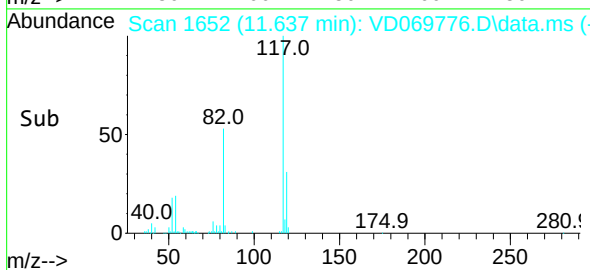
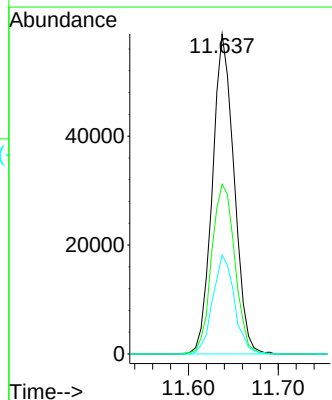
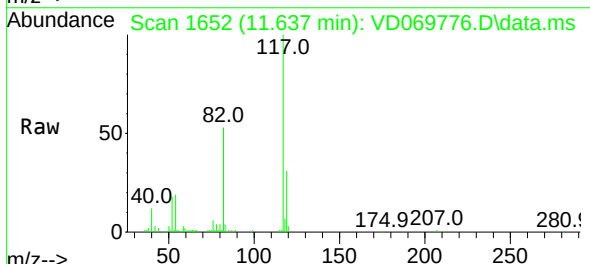
Instrument :
MSVOA_D
ClientSampleId :

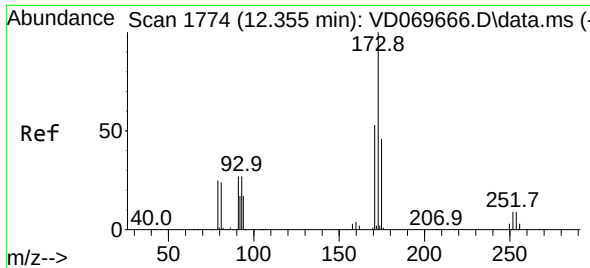
Tgt Ion: 95 Resp: 42922
Ion Ratio Lower Upper
95 100
174 76.3 0.0 140.0
176 75.1 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

Tgt Ion: 117 Resp: 98744
Ion Ratio Lower Upper
117 100
82 53.0 47.4 71.2
119 31.0 25.5 38.3

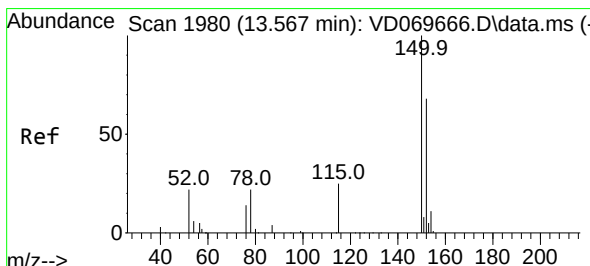
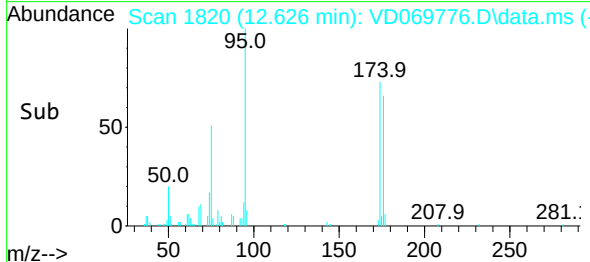
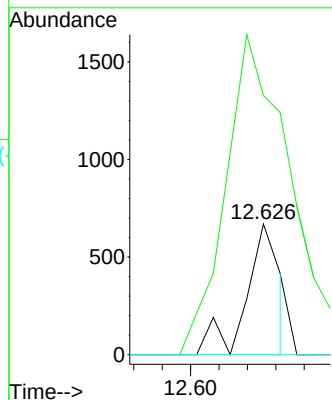
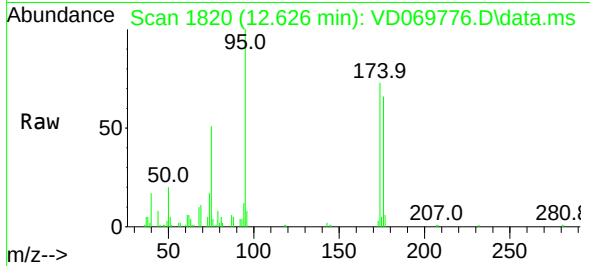




#71
Bromoform
Concen: 1.616 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

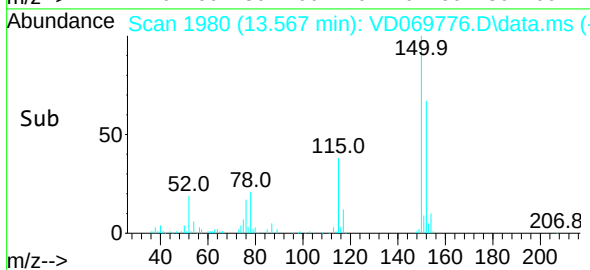
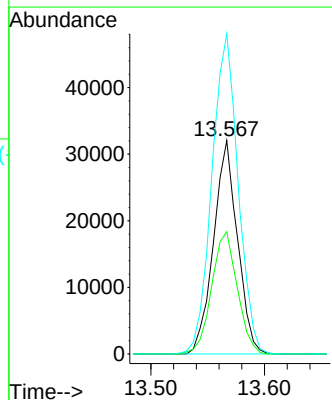
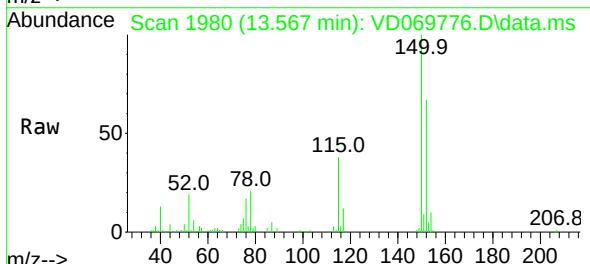
Instrument :
MSVOA_D
ClientSampleId :

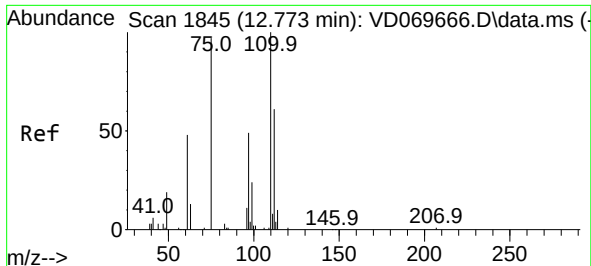
Tgt Ion:173 Resp: 552
Ion Ratio Lower Upper
173 100
175 375.2 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

Tgt Ion:152 Resp: 46984
Ion Ratio Lower Upper
152 100
115 61.1 31.7 95.1
150 164.0 0.0 350.4

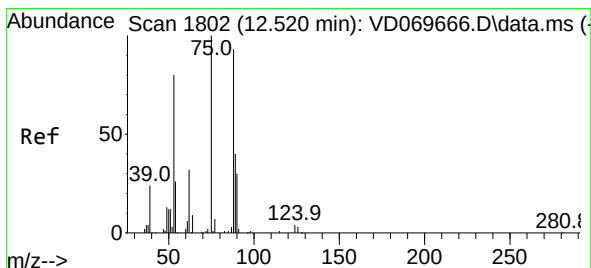
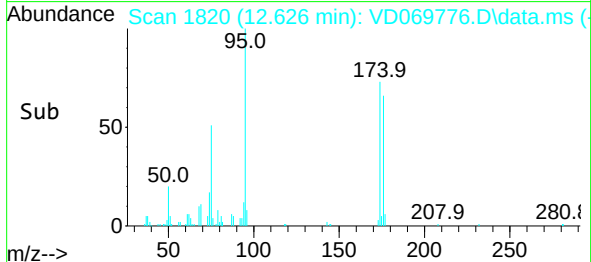
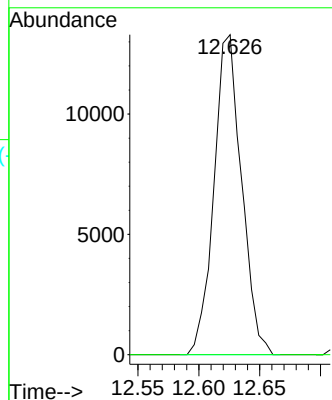
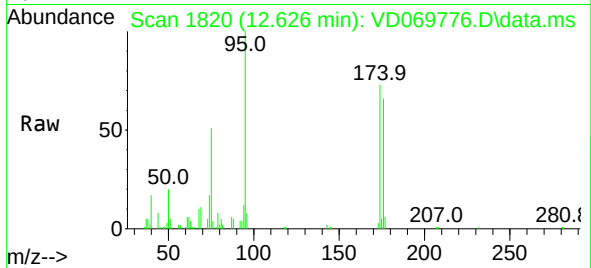




#76
1,2,3-Trichloropropane
Concen: 45.923 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 20961
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 123.416 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069776.D
Acq: 20 Jul 2021 18:14

Tgt Ion: 75 Resp: 20961
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.0 35.1 52.7#

