

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070796.D
 Acq On : 21 Oct 2021 12:55
 Operator : VA/SY
 Sample : M4280-07RE
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 22 06:13:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

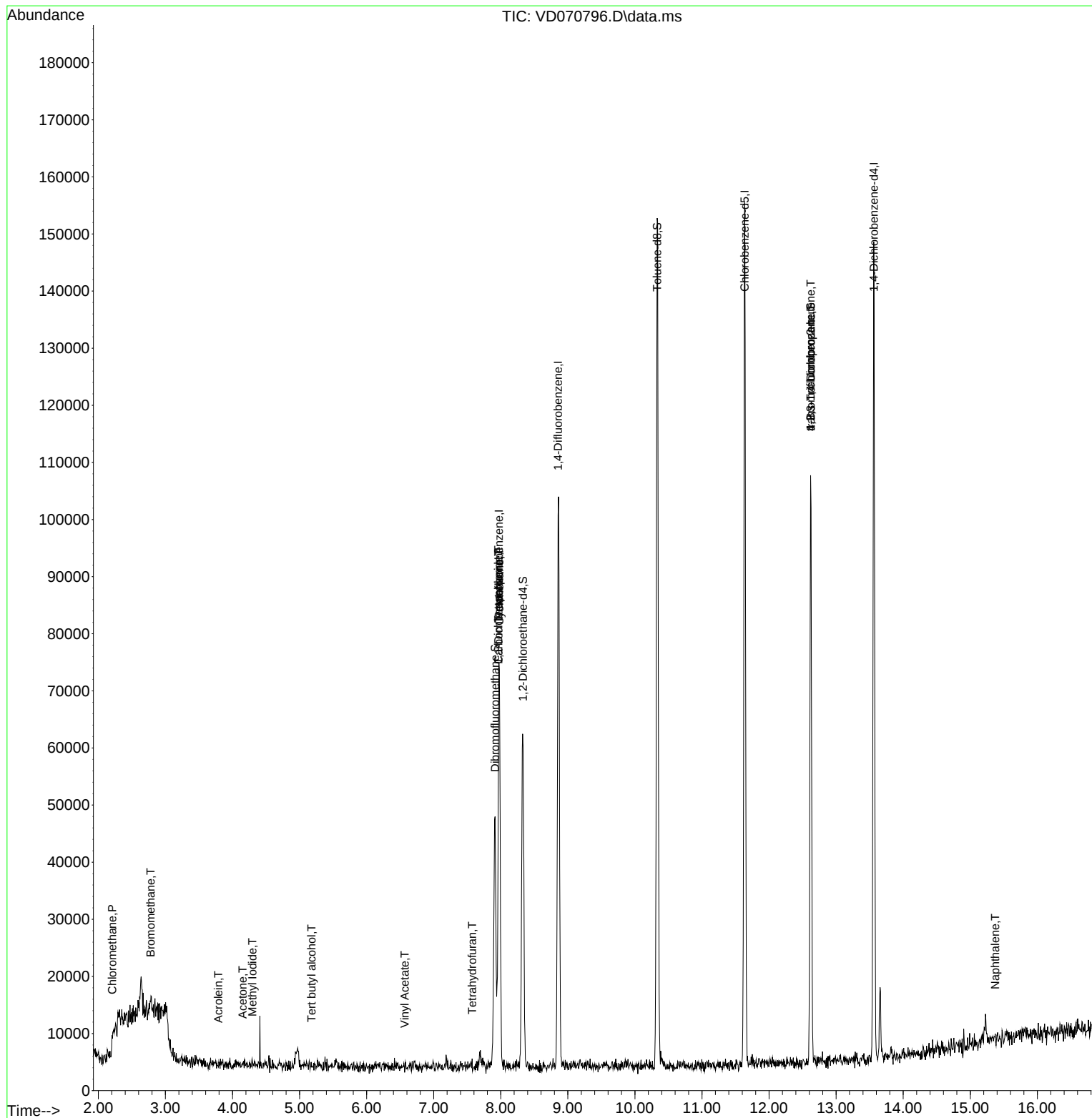
Internal Standards						
1) Pentafluorobenzene	7.973	168	48227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	78748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	85957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	35858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	46513	81.428	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 162.860%			
35) Dibromofluoromethane	7.914	113	30286	60.064	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.120%			
50) Toluene-d8	10.332	98	104201	53.910	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.820%			
62) 4-Bromofluorobenzene	12.620	95	34297	51.532	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.060%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	1052	1.257	ug/l #	75
5) Bromomethane	2.779	94	2156	4.124	ug/l #	74
10) Methyl Iodide	4.297	142	583	4.225	ug/l #	96
11) Tert butyl alcohol	5.179	59	59	1.845	ug/l #	83
13) Acrolein	3.791	56	63	2.036	ug/l #	14
16) Acetone	4.150	43	634	4.602	ug/l #	40
20) Methylene Chloride	4.956	84	1563	Below Cal	#	64
23) Vinyl Acetate	6.567	43	61	16.385	ug/l #	69
29) Tetrahydrofuran	7.573	42	217	2.083	ug/l #	29
31) Cyclohexane	7.979	56	1459	1.262	ug/l #	6
36) 1,1-Dichloropropene	7.967	75	4637	5.286	ug/l #	44
38) Carbon Tetrachloride	7.967	117	5728	6.817	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	18678	60.291	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	18678	132.055	ug/l #	17
95) Naphthalene	15.373	128	210	4.956	ug/l #	69

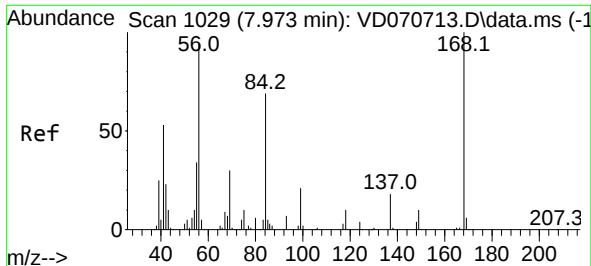
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 22 06:13:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
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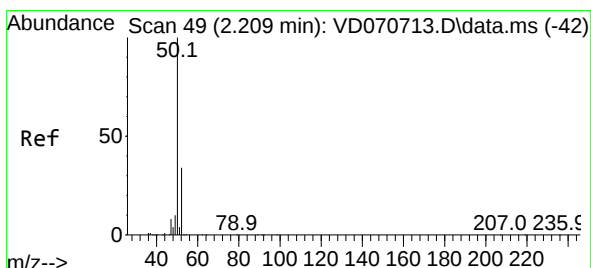
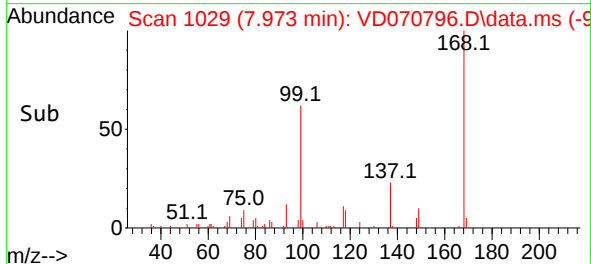
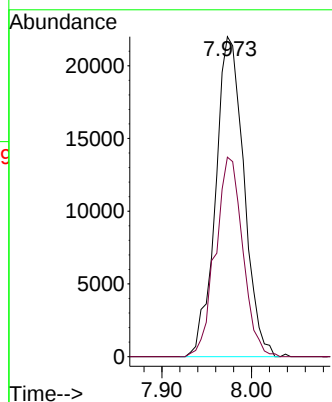
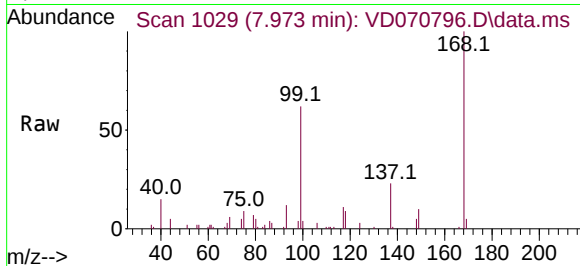




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

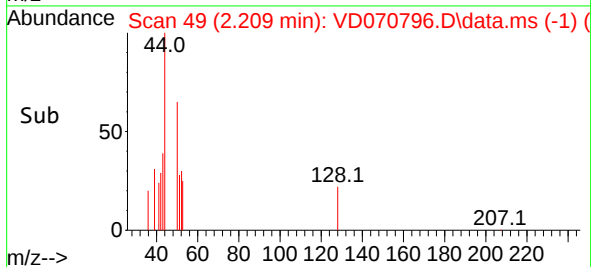
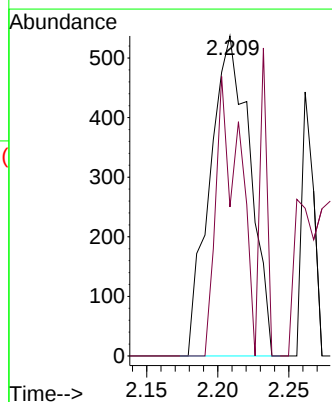
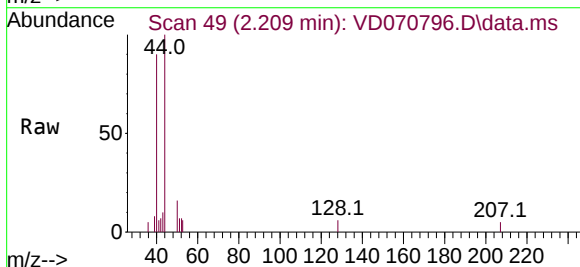
Instrument :
MSVOA_D
ClientSampled :

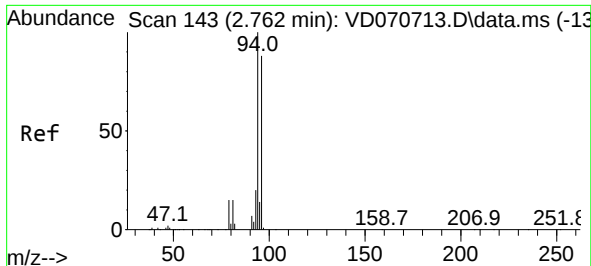
Tgt Ion:168 Resp: 48227
Ion Ratio Lower Upper
168 100
99 62.4 51.4 77.0



#3
Chloromethane
Concen: 1.257 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

Tgt Ion: 50 Resp: 1052
Ion Ratio Lower Upper
50 100
52 46.6 26.0 39.0#

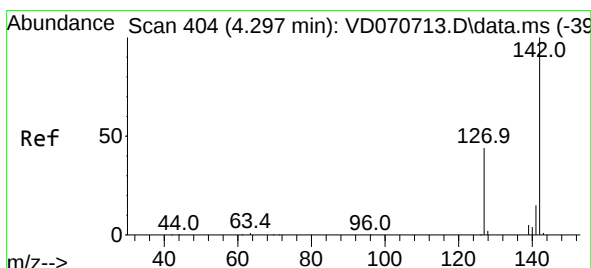
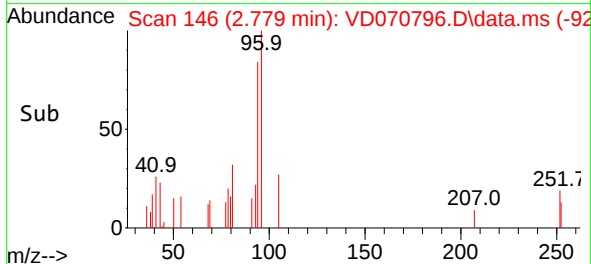
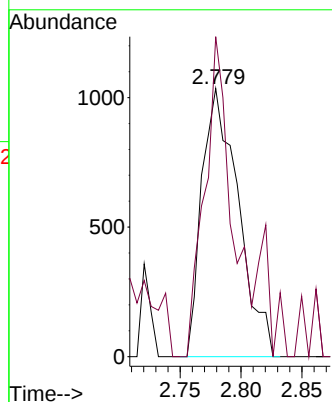
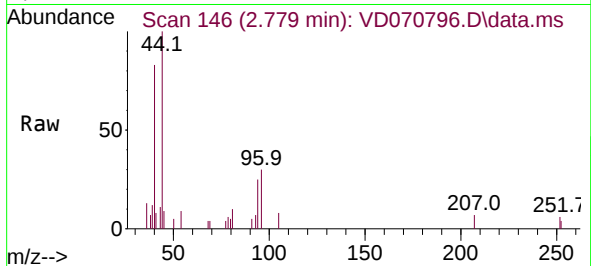




#5
Bromomethane
Concen: 4.124 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.018 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

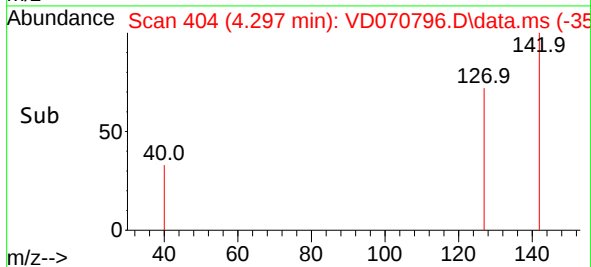
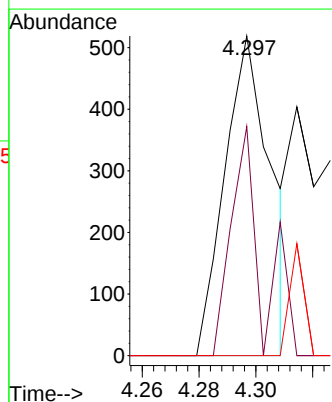
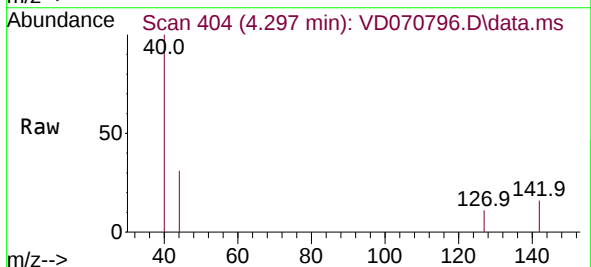
Instrument :
MSVOA_D
ClientSampled :

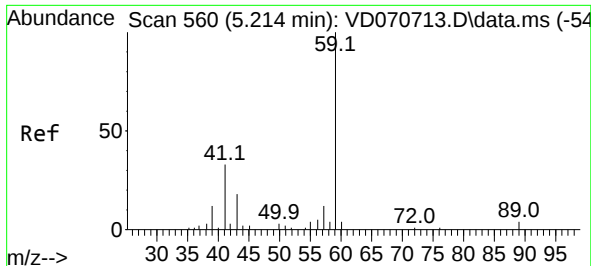
Tgt Ion: 94 Resp: 2156
Ion Ratio Lower Upper
94 100
96 119.3 75.5 113.3#



#10
Methyl Iodide
Concen: 4.225 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

Tgt Ion:142 Resp: 583
Ion Ratio Lower Upper
142 100
127 48.2 37.5 56.3
141 11.0 12.1 18.1#

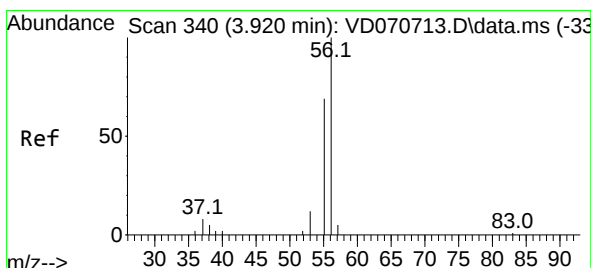
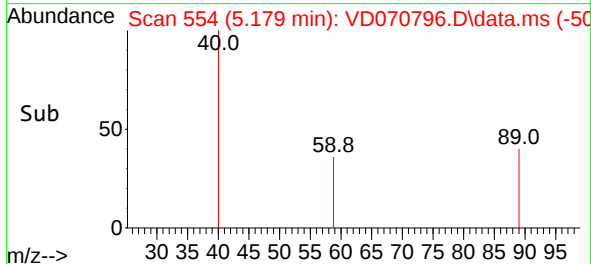
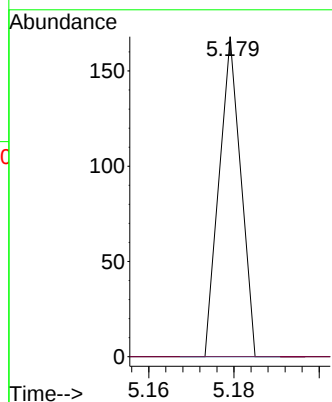
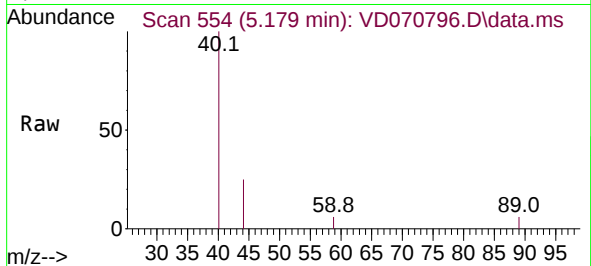




#11
Tert butyl alcohol
Concen: 1.845 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.035 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

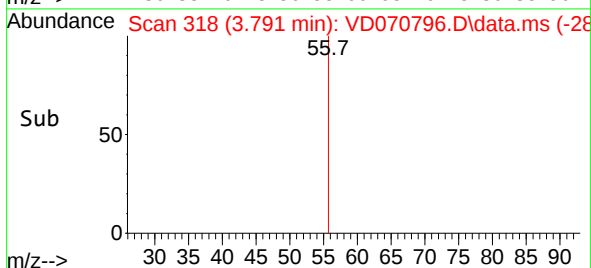
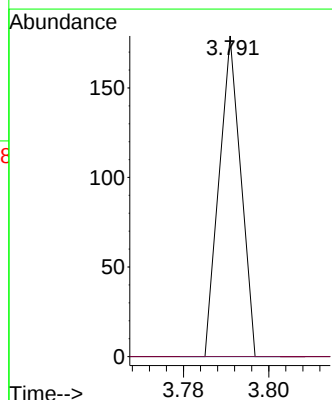
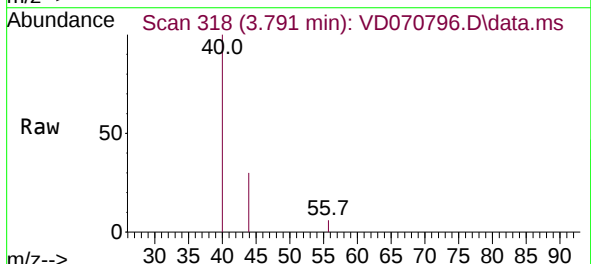
Instrument :
MSVOA_D
ClientSampled :

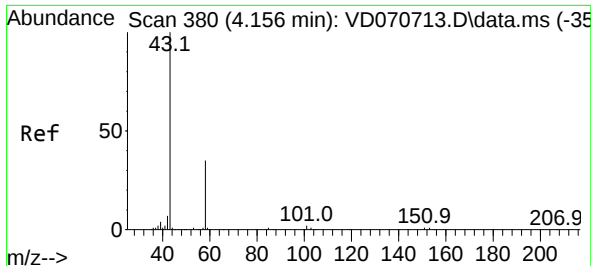
Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#13
Acrolein
Concen: 2.036 ug/l
RT: 3.791 min Scan# 318
Delta R.T. -0.129 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#

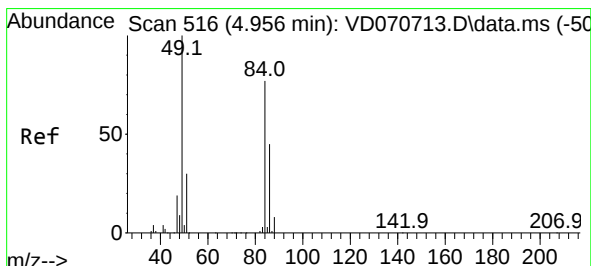
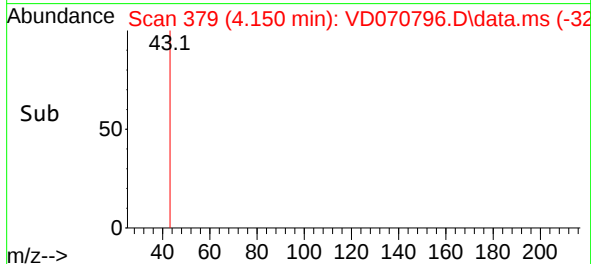
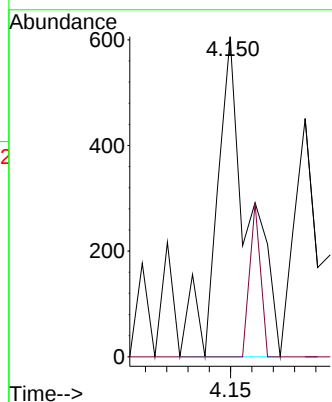
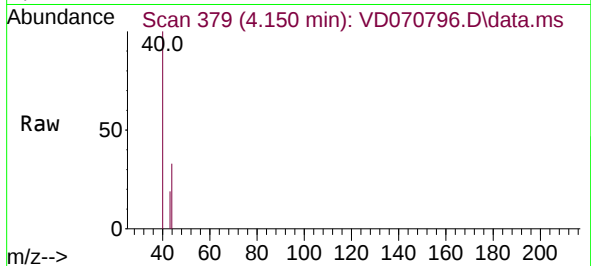




#16
Acetone
Concen: 4.602 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

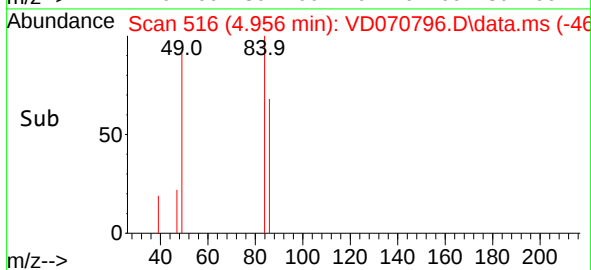
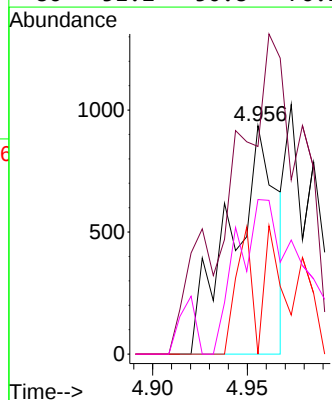
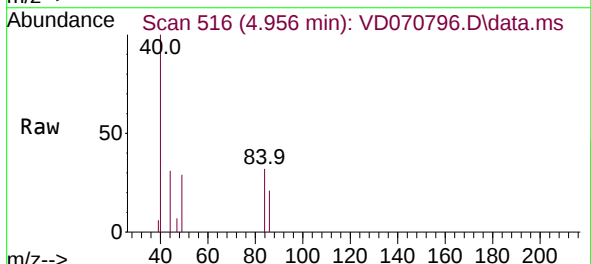
Instrument :
MSVOA_D
ClientSampled :

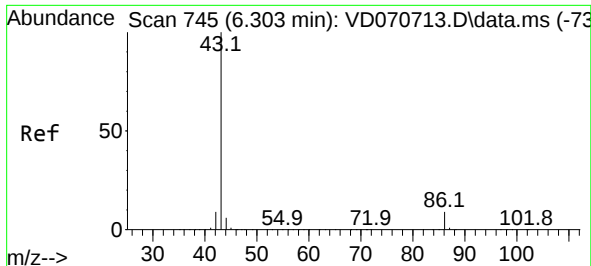
Tgt Ion: 43 Resp: 634
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

Tgt Ion: 84 Resp: 1563
Ion Ratio Lower Upper
84 100
49 71.4 91.4 137.2#
51 0.0 26.7 40.1#
86 51.2 50.8 76.2

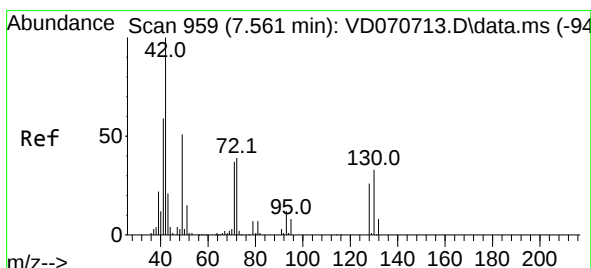
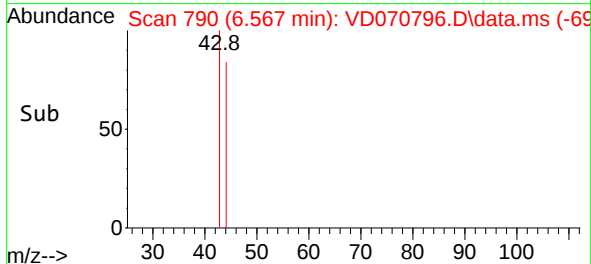
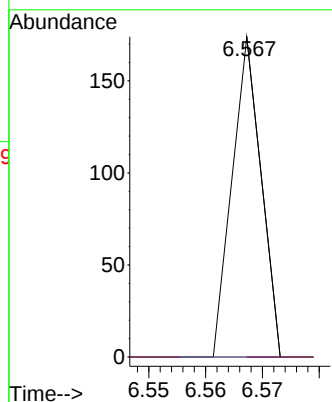
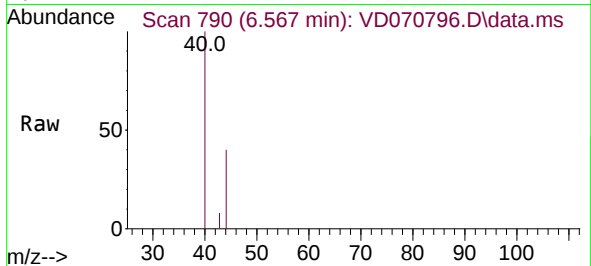




#23
 Vinyl Acetate
 Concen: 16.385 ug/l
 RT: 6.567 min Scan# 790
 Delta R.T. 0.264 min
 Lab File: VD070796.D
 Acq: 21 Oct 2021 12:55

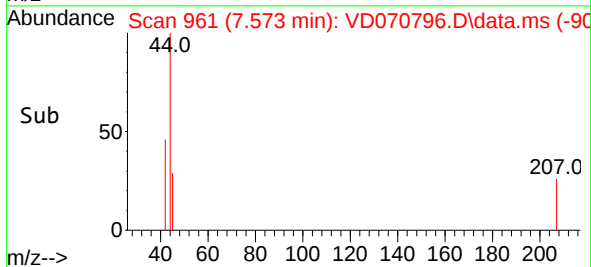
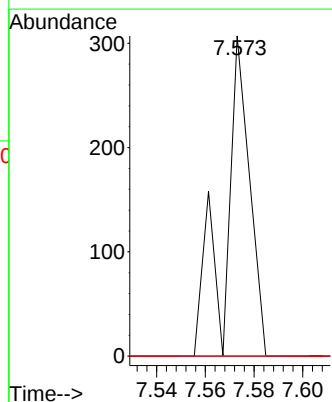
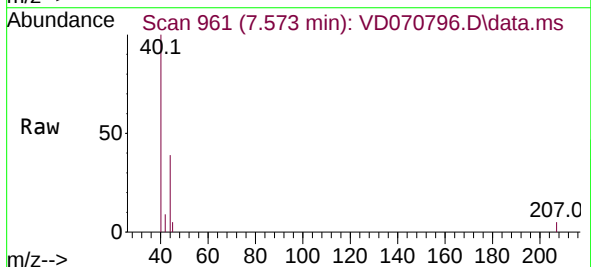
Instrument :
 MSVOA_D
 ClientSampled :

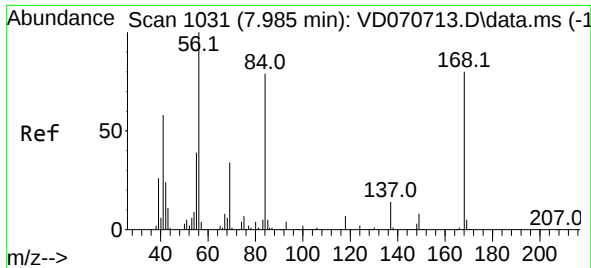
Tgt Ion: 43 Resp: 61
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#29
 Tetrahydrofuran
 Concen: 2.083 ug/l
 RT: 7.573 min Scan# 961
 Delta R.T. 0.012 min
 Lab File: VD070796.D
 Acq: 21 Oct 2021 12:55

Tgt Ion: 42 Resp: 217
 Ion Ratio Lower Upper
 42 100
 72 0.0 40.2 60.4#
 71 0.0 37.2 55.8#

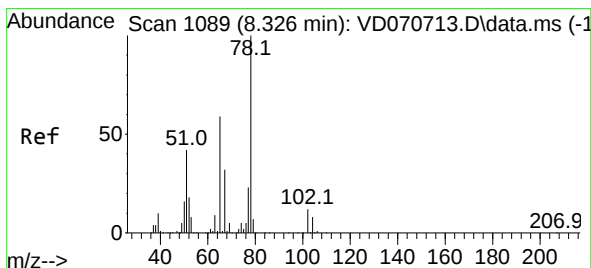
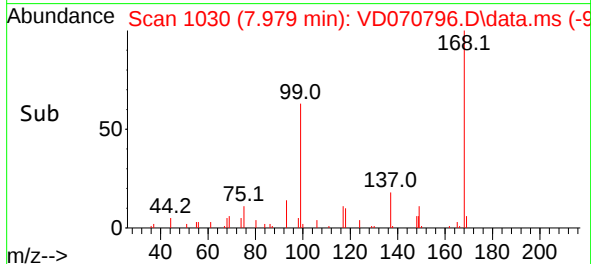
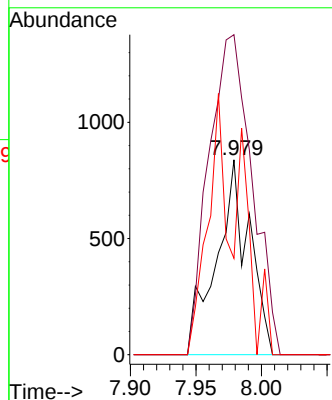
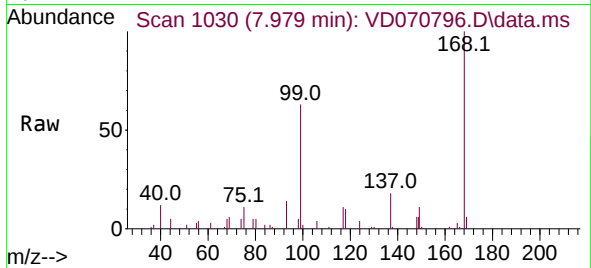




#31
Cyclohexane
Concen: 1.262 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

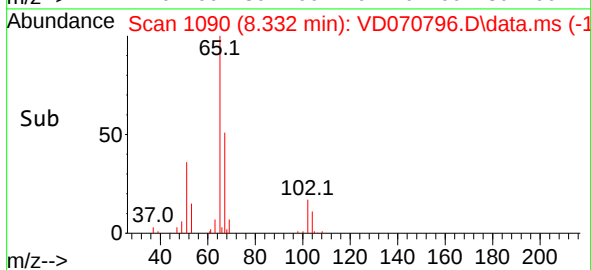
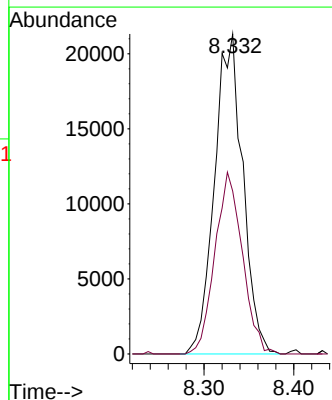
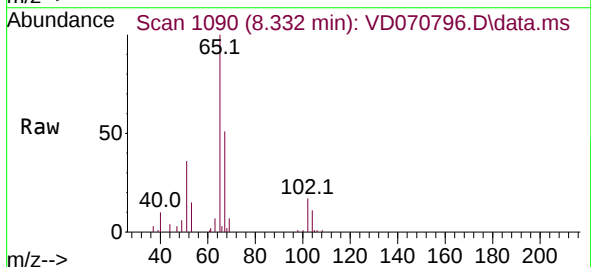
Instrument :
MSVOA_D
ClientSampleId :

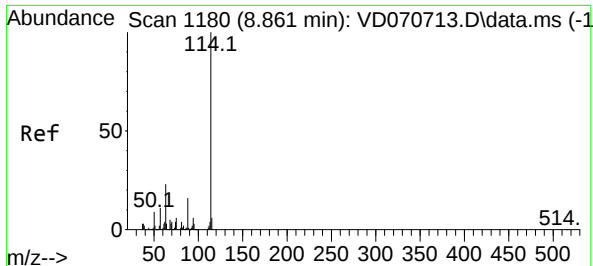
Tgt Ion: 56 Resp: 1459
Ion Ratio Lower Upper
56 100
69 164.1 27.4 41.2#
84 49.5 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 81.428 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

Tgt Ion: 65 Resp: 46513
Ion Ratio Lower Upper
65 100
67 55.3 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

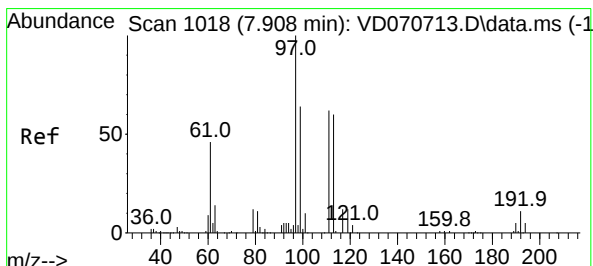
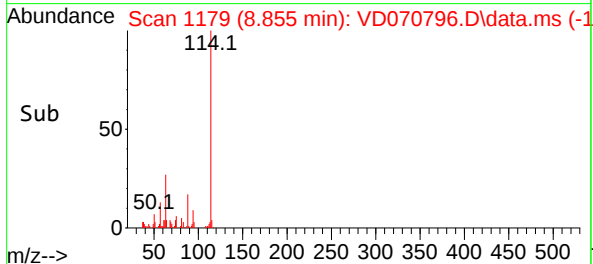
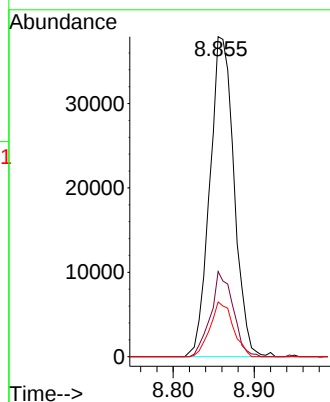
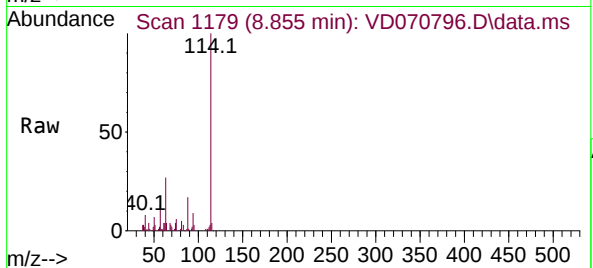
RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD070796.D

Acq: 21 Oct 2021 12:55

Tgt Ion:	114	Resp:	78748
Ion	Ratio	Lower	Upper
114	100		
63	26.6	0.0	41.8
88	17.1	0.0	32.6



#35

Dibromofluoromethane

Concen: 60.064 ug/l

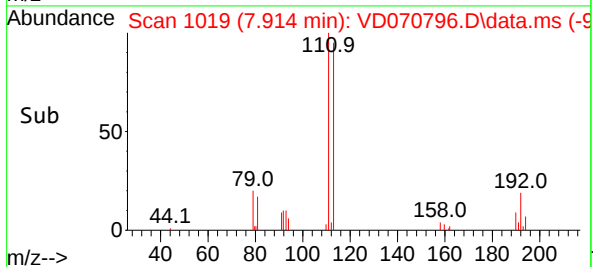
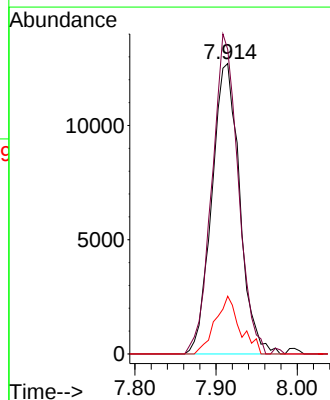
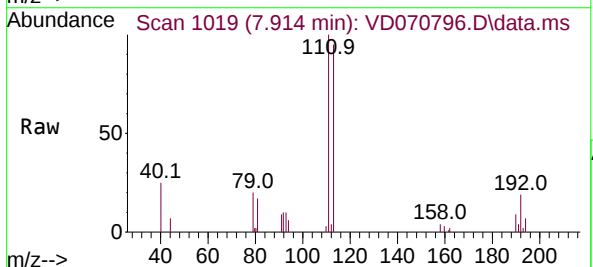
RT: 7.914 min Scan# 1019

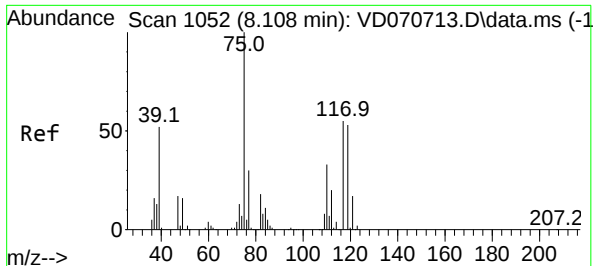
Delta R.T. 0.006 min

Lab File: VD070796.D

Acq: 21 Oct 2021 12:55

Tgt Ion:	113	Resp:	30286
Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.1	124.7
192	17.6	12.7	19.1

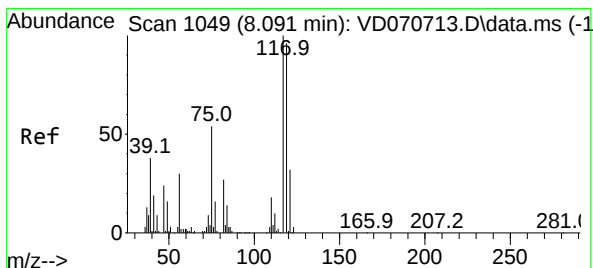
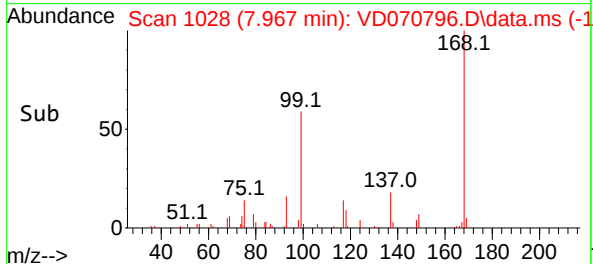
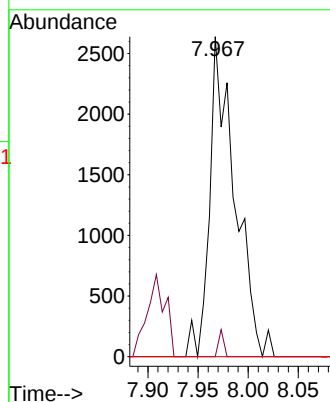
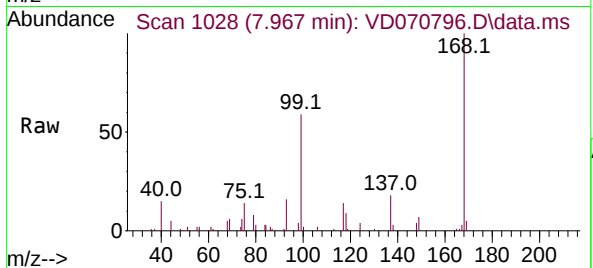




#36
1,1-Dichloropropene
Concen: 5.286 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

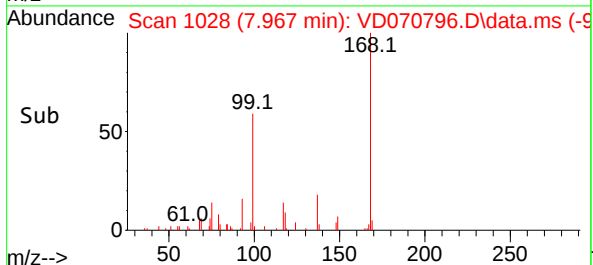
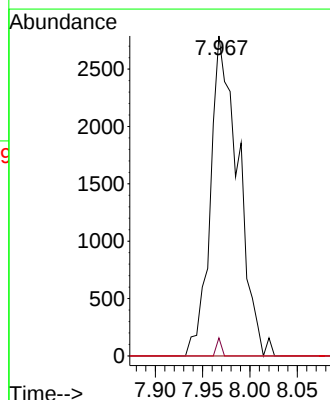
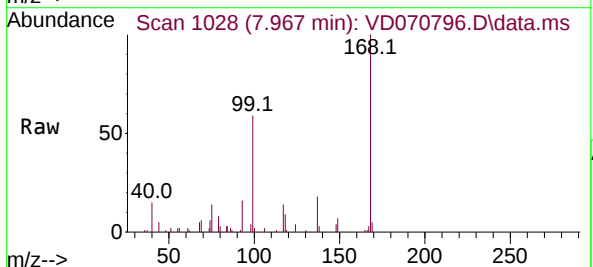
Instrument :
MSVOA_D
ClientSampleId :

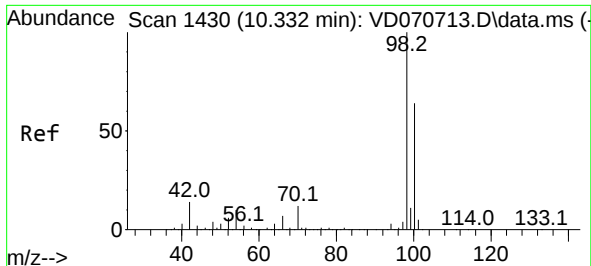
Tgt Ion: 75 Resp: 4637
Ion Ratio Lower Upper
75 100
110 1.7 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 6.817 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

Tgt Ion: 117 Resp: 5728
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.0#
121 0.0 25.4 38.0#

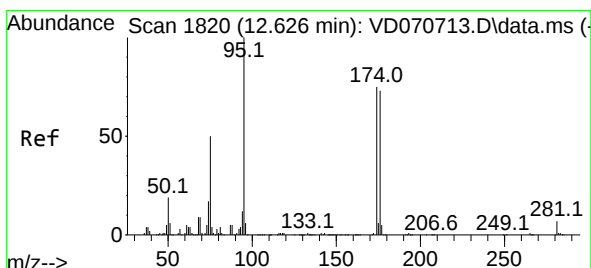
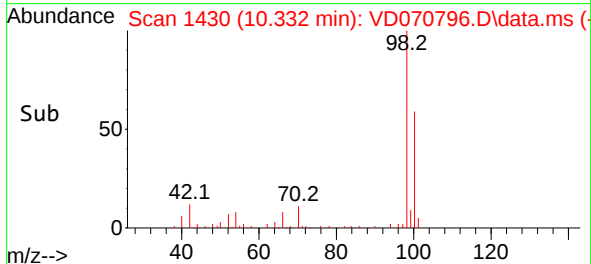
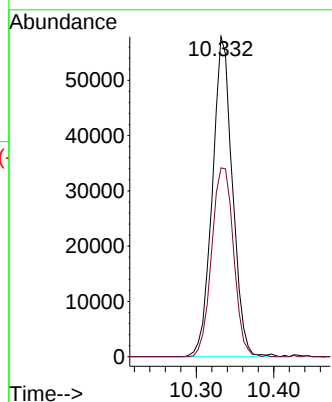
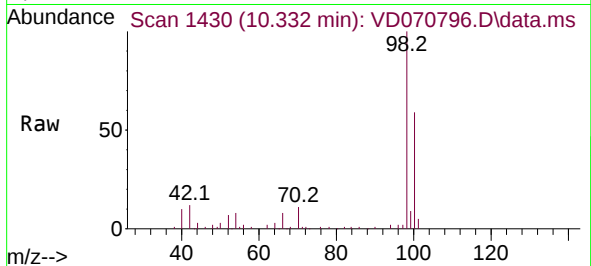




#50
Toluene-d8
Concen: 53.910 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

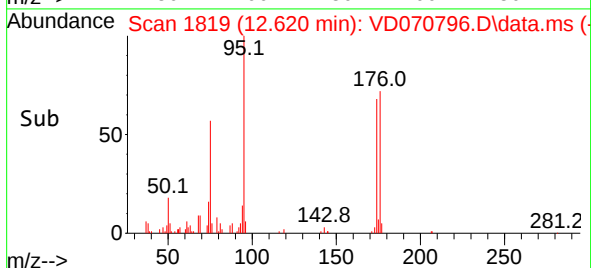
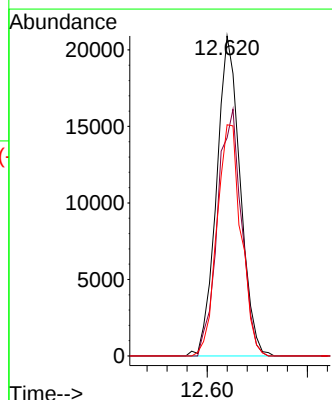
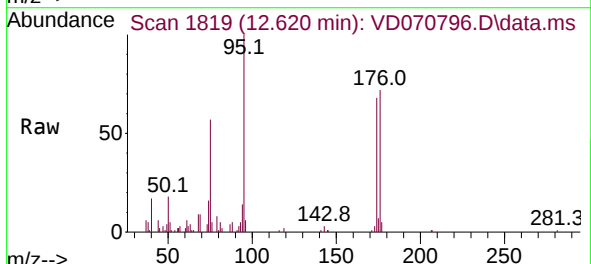
Instrument :
MSVOA_D
ClientSampled :

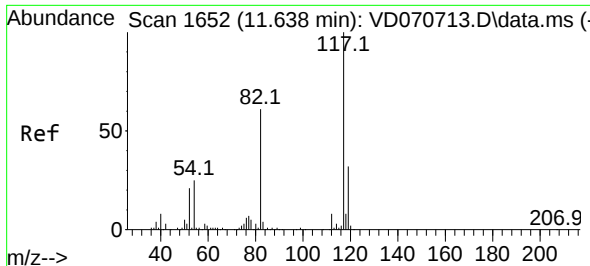
Tgt Ion: 98 Resp: 104201
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 51.532 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

Tgt Ion: 95 Resp: 34297
Ion Ratio Lower Upper
95 100
174 78.1 0.0 138.0
176 74.0 0.0 135.6

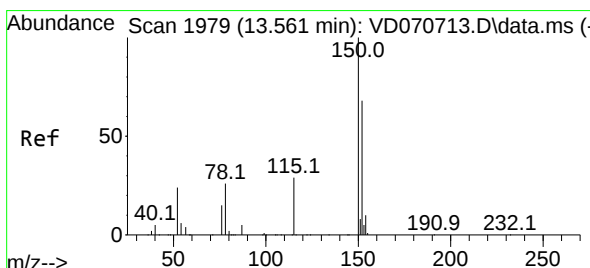
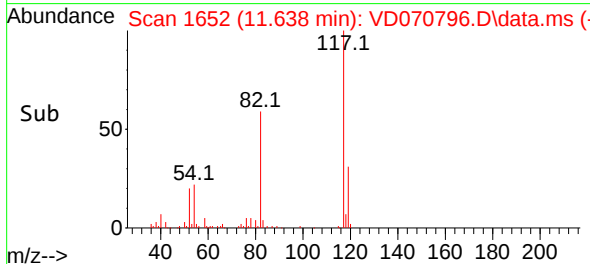
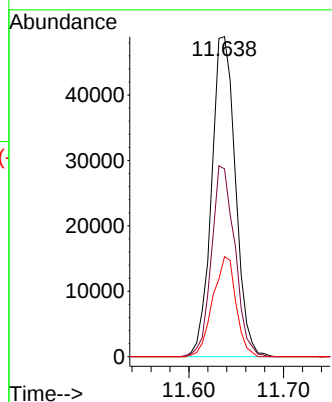
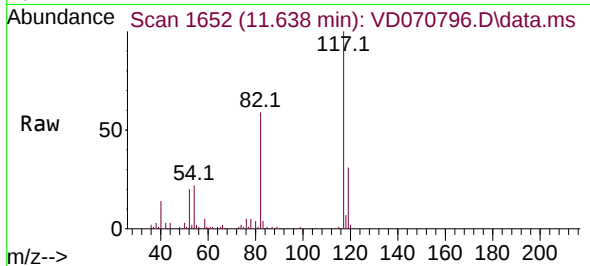




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

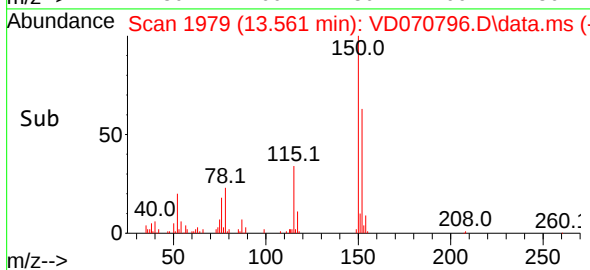
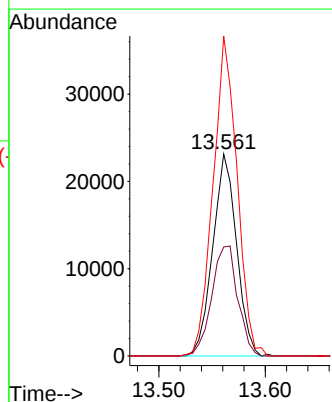
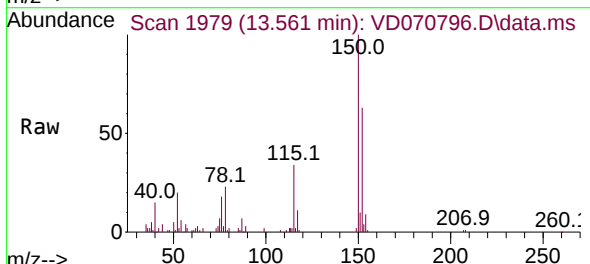
Instrument :
MSVOA_D
ClientSampleId :

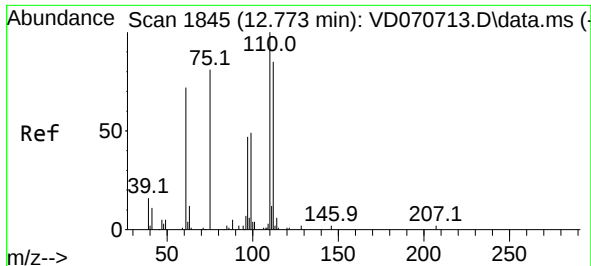
Tgt Ion:	117	Resp:	85957
Ion Ratio	Lower	Upper	
117	100		
82	58.7	45.4	68.2
119	31.3	24.7	37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

Tgt Ion:	152	Resp:	35858
Ion Ratio	Lower	Upper	
152	100		
115	59.6	31.9	95.7
150	159.5	0.0	350.0

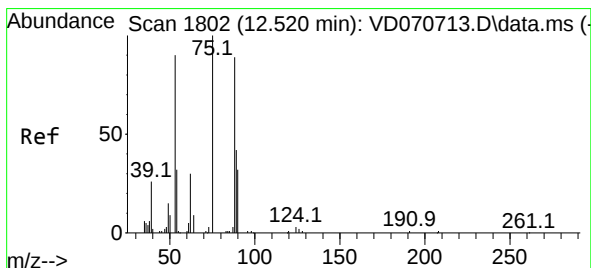
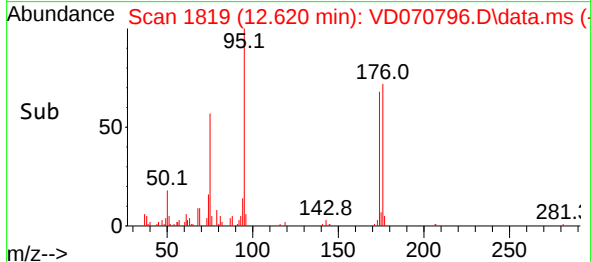
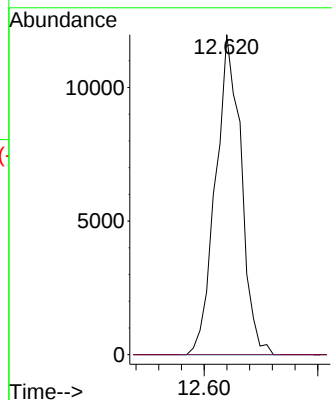
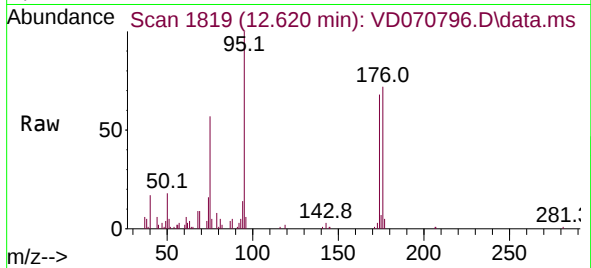




#76
1,2,3-Trichloropropane
Concen: 60.291 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

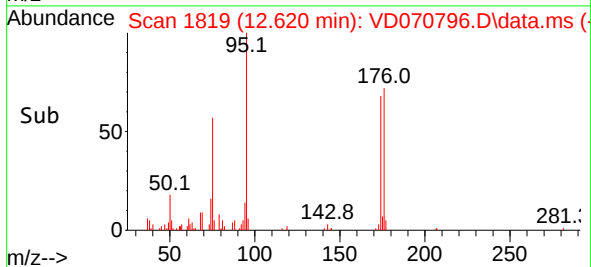
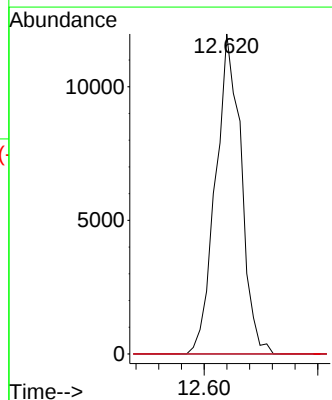
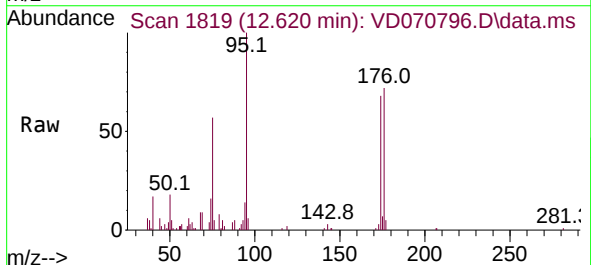
Instrument :
MSVOA_D
ClientSampleId :

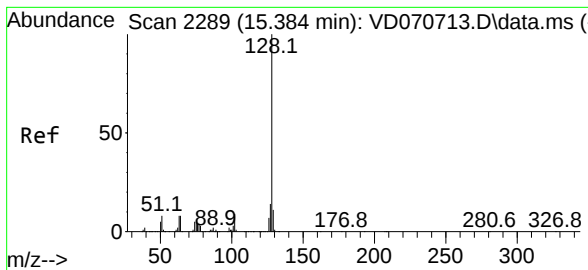
Tgt Ion: 75 Resp: 18678
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 132.055 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

Tgt Ion: 75 Resp: 18678
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 4.956 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD070796.D
Acq: 21 Oct 2021 12:55

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 210
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

