

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
 Data File : VD068798.D
 Acq On : 08 Apr 2021 19:23
 Operator : VA/SY
 Sample : M1979-02
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:05:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

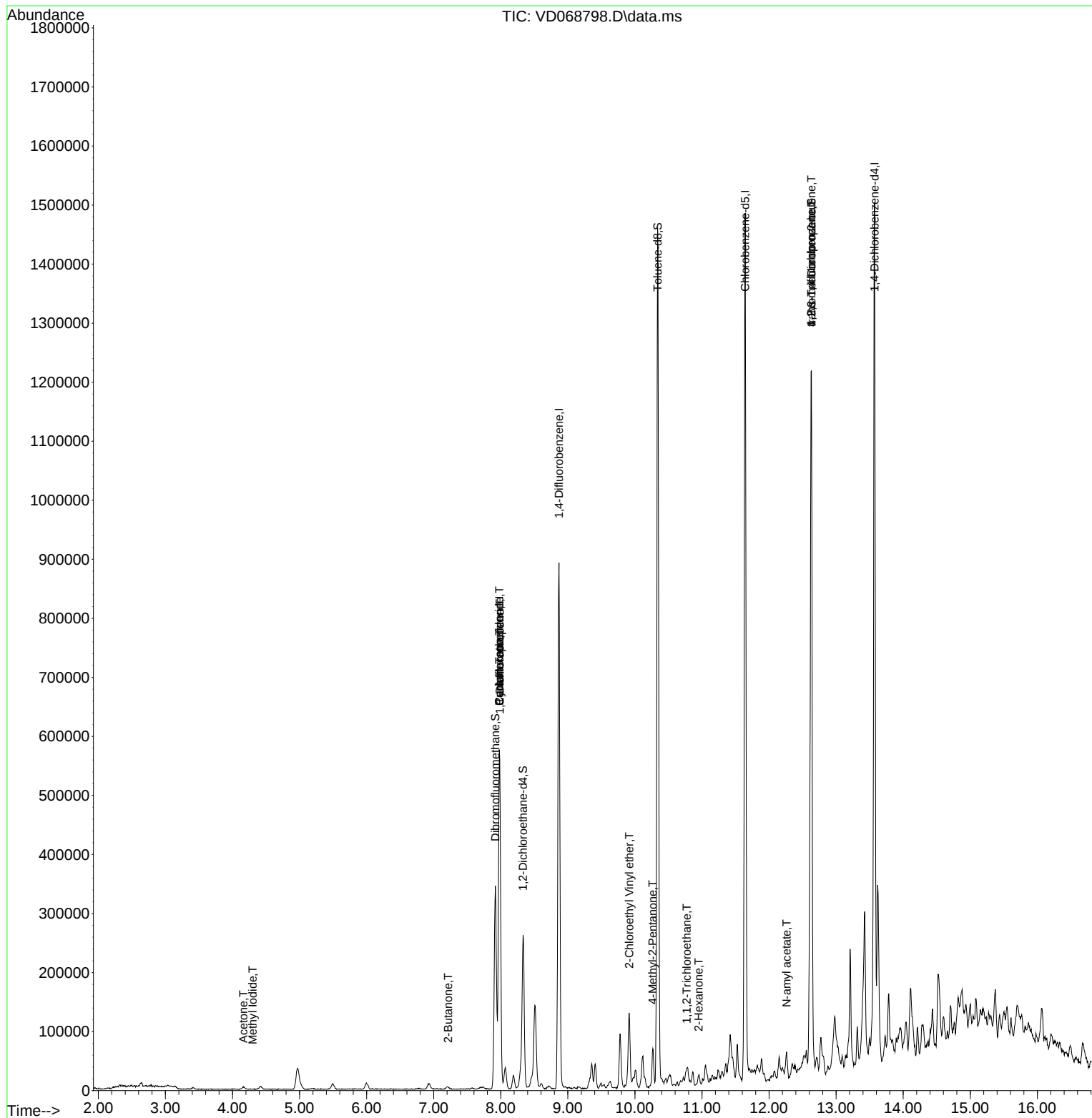
Internal Standards						
1) Pentafluorobenzene	7.979	168	449725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	815429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	864295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	421445	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	203323	42.78	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.56%		
35) Dibromofluoromethane	7.920	113	247362	46.64	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.28%		
50) Toluene-d8	10.338	98	1044341	52.20	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.40%		
62) 4-Bromofluorobenzene	12.632	95	398504	59.97	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	119.94%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	64	2.26	ug/l #	41
11) Tert butyl alcohol	5.208	59	268	Below Cal	#	73
16) Acetone	4.162	43	7661	11.64	ug/l #	79
25) 2-Butanone	7.214	43	1876	2.01	ug/l #	85
31) Cyclohexane	7.979	56	13019	1.65	ug/l #	23
36) 1,1-Dichloropropene	7.985	75	31832	3.86	ug/l #	49
38) Carbon Tetrachloride	7.979	117	44671	5.47	ug/l #	18
51) 4-Methyl-2-Pentanone	10.267	43	7043	2.83	ug/l #	70
55) 1,1,2-Trichloroethane	10.773	97	8497	1.87	ug/l #	32
58) 2-Chloroethyl Vinyl ether	9.914	63	74	17.02	ug/l #	44
59) 2-Hexanone	10.949	43	6722	4.03	ug/l #	23
74) N-amyl acetate	12.261	43	8840	1.69	ug/l #	70
76) 1,2,3-Trichloropropane	12.632	75	195529	50.78	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	195529	117.86	ug/l #	16

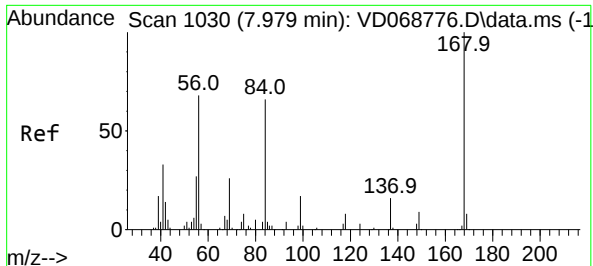
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 09 01:05:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

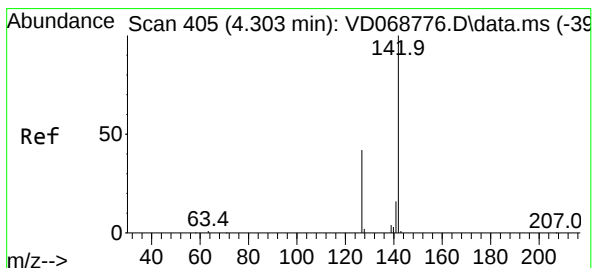
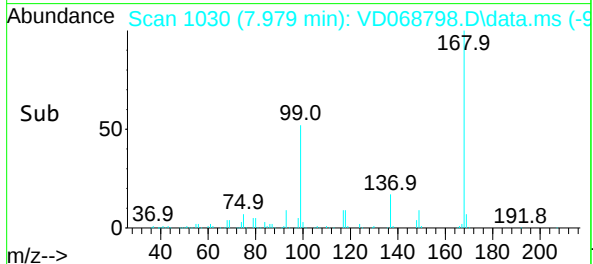
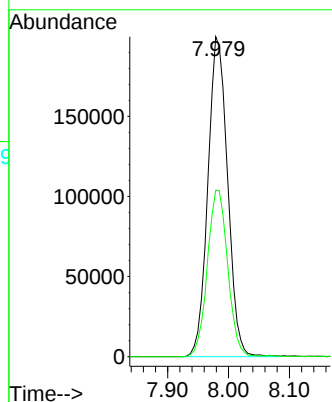
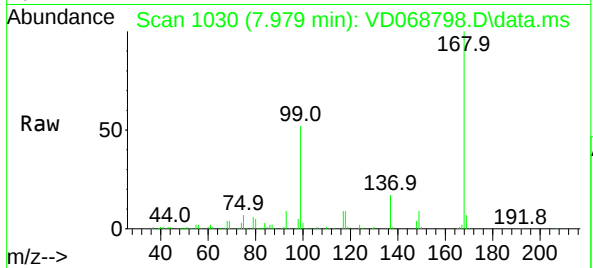




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

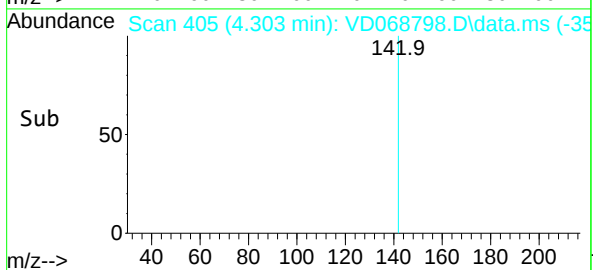
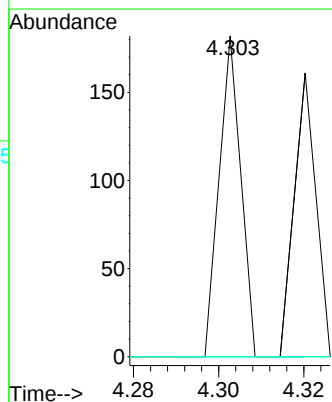
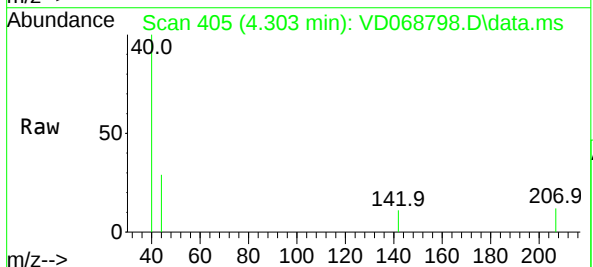
Instrument :
MSVOA_D
ClientSampled :

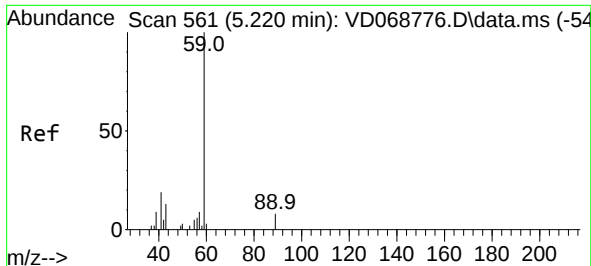
Tgt Ion:168 Resp: 449725
Ion Ratio Lower Upper
168 100
99 52.0 46.2 69.2



#10
Methyl Iodide
Concen: 2.26 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

Tgt Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

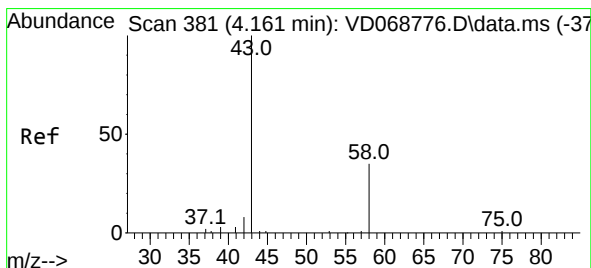
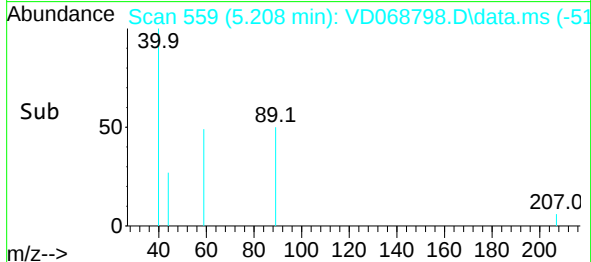
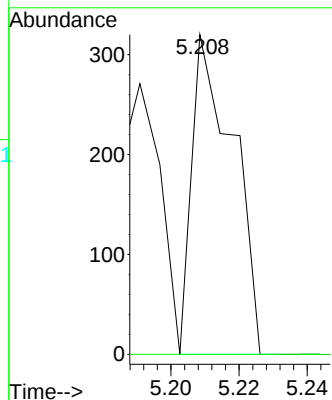
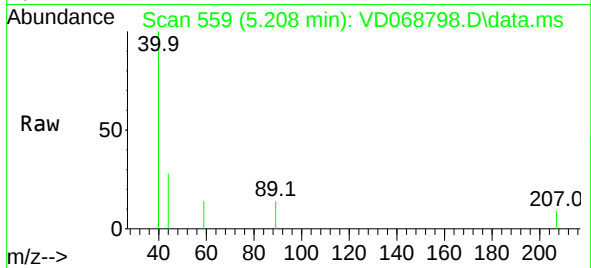




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.208 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

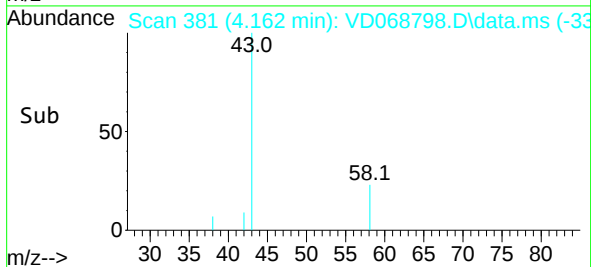
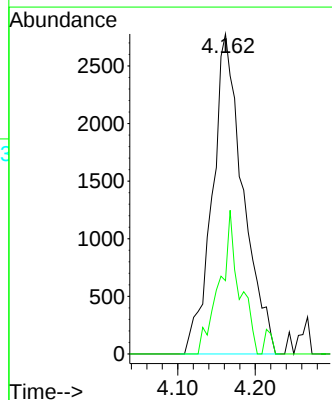
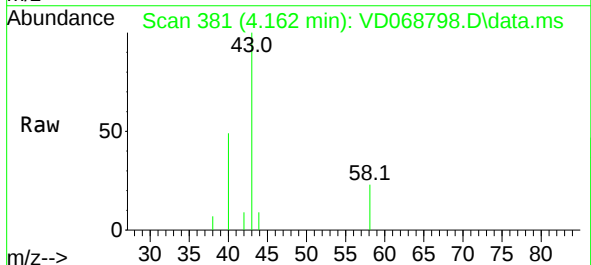
Instrument :
MSVOA_D
ClientSampled :

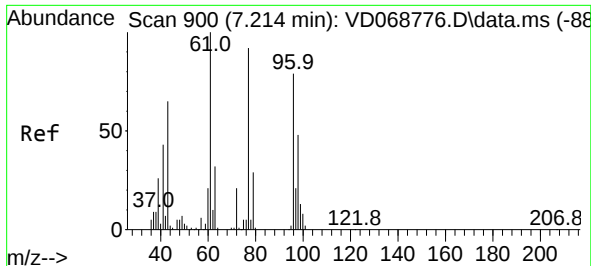
Tgt Ion: 59 Resp: 268
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 11.64 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

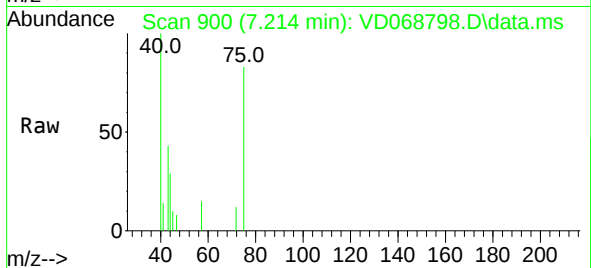
Tgt Ion: 43 Resp: 7661
Ion Ratio Lower Upper
43 100
58 22.9 28.0 42.0#



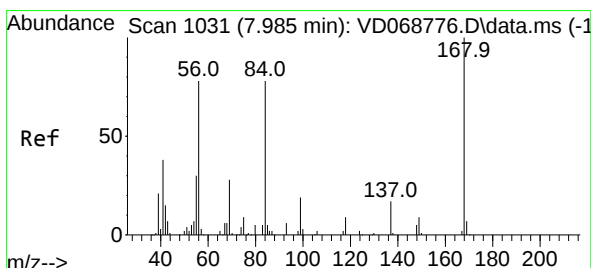
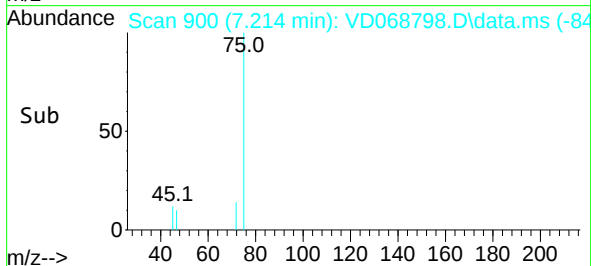
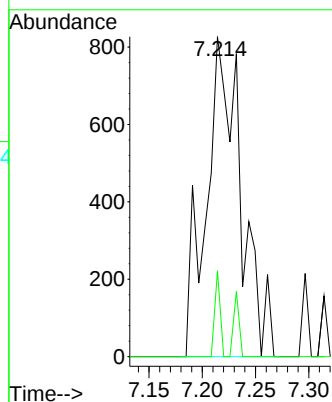


#25
2-Butanone
Concen: 2.01 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

Instrument :
MSVOA_D
ClientSampled :

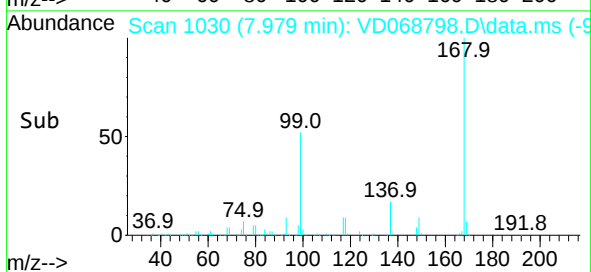
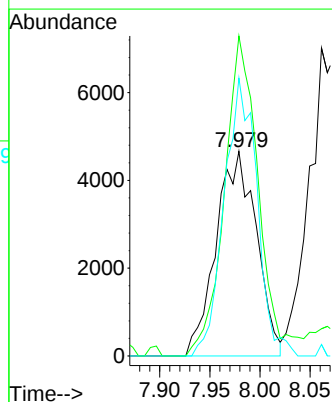
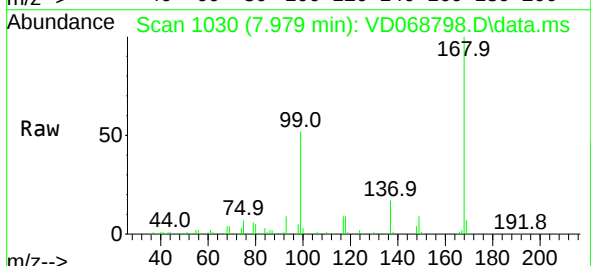


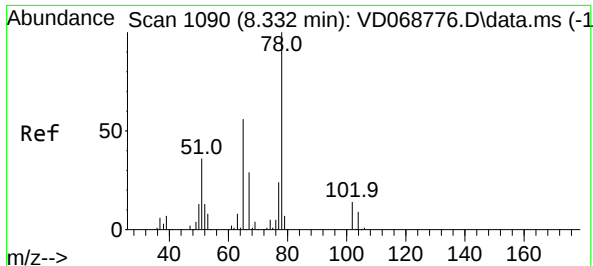
Tgt Ion: 43 Resp: 1876
Ion Ratio Lower Upper
43 100
72 26.8 28.6 43.0#



#31
Cyclohexane
Concen: 1.65 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

Tgt Ion: 56 Resp: 13019
Ion Ratio Lower Upper
56 100
69 156.4 30.0 45.0#
84 135.9 82.0 123.0#

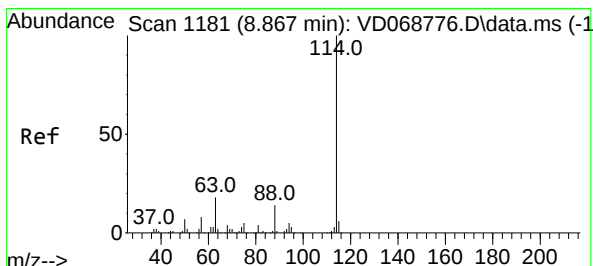
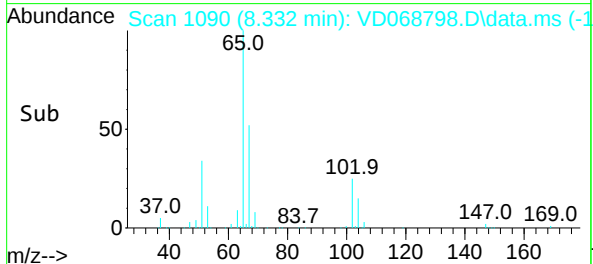
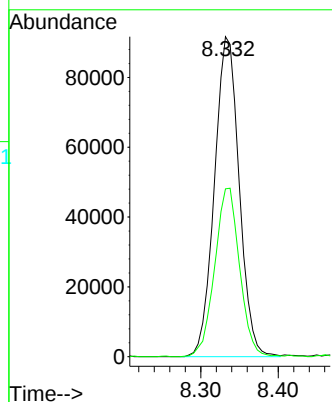
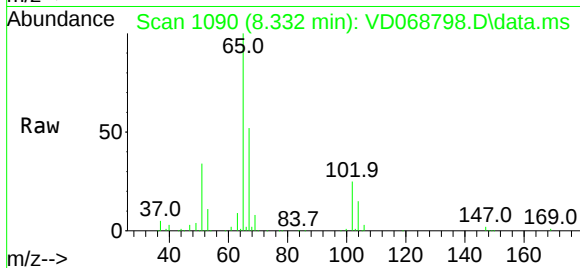




#33
1,2-Dichloroethane-d4
Concen: 42.78 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

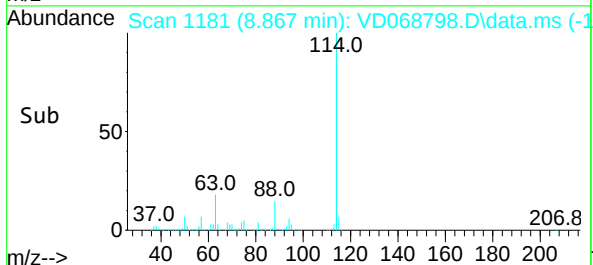
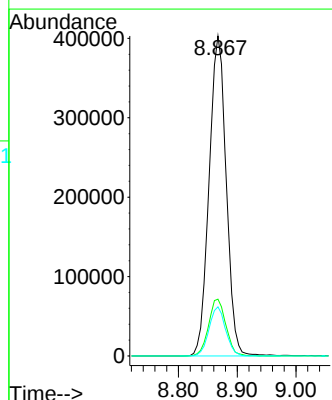
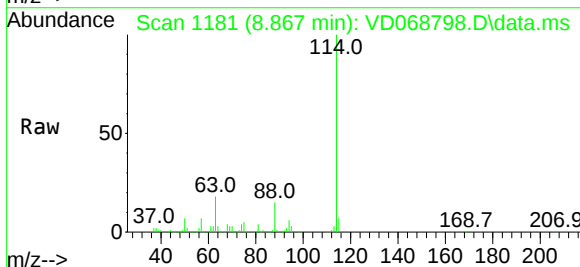
Instrument :
MSVOA_D
ClientSampleId :

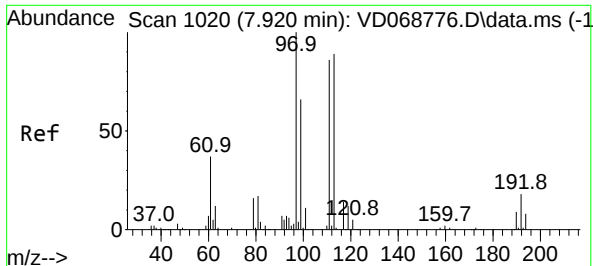
Tgt Ion: 65 Resp: 203323
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

Tgt Ion: 114 Resp: 815429
Ion Ratio Lower Upper
114 100
63 17.7 0.0 38.2
88 15.4 0.0 29.4





#35

Dibromofluoromethane

Concen: 46.64 ug/l

RT: 7.920 min Scan# 1020

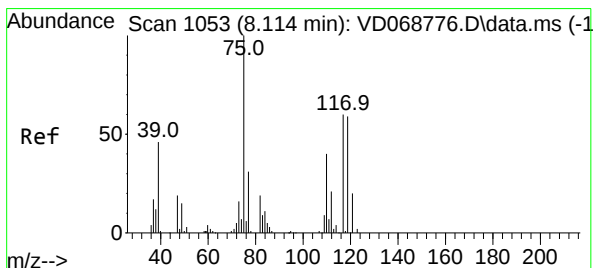
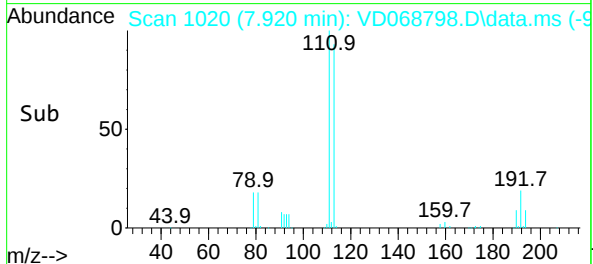
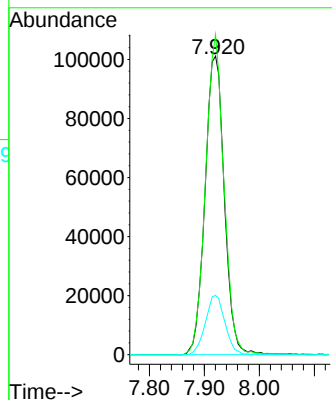
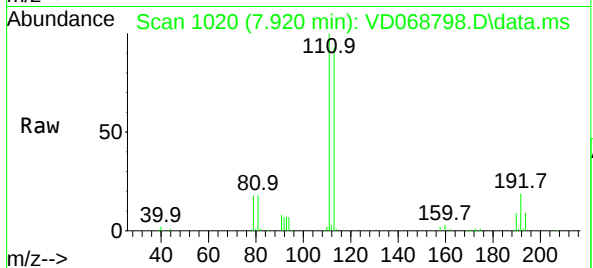
Delta R.T. 0.000 min

Lab File: VD068798.D

Acq: 08 Apr 2021 19:23

Tgt Ion:	113	Resp:	247362
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.5	123.7
192	20.0	15.1	22.7

Instrument :
MSVOA_D
ClientSampled :



#36

1,1-Dichloropropene

Concen: 3.86 ug/l

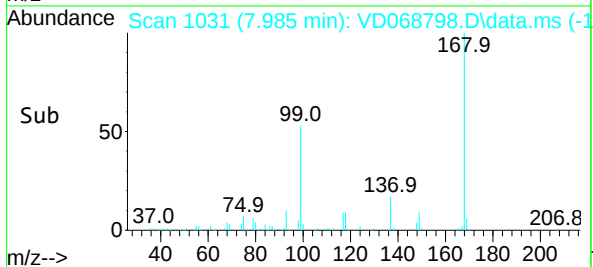
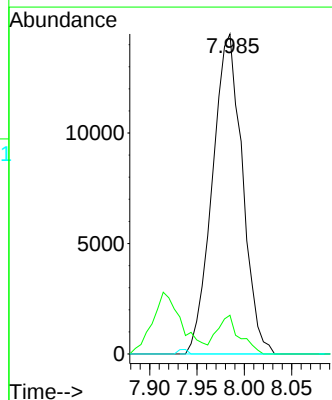
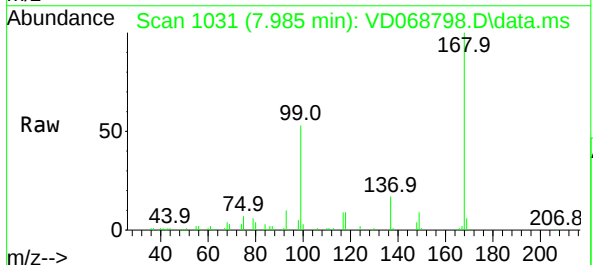
RT: 7.985 min Scan# 1031

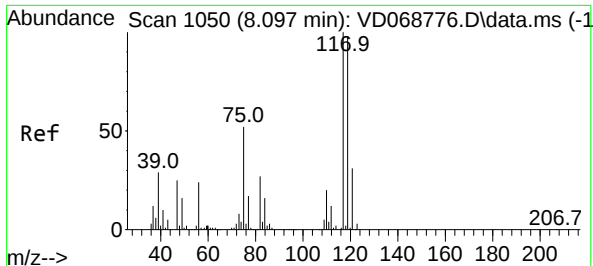
Delta R.T. -0.129 min

Lab File: VD068798.D

Acq: 08 Apr 2021 19:23

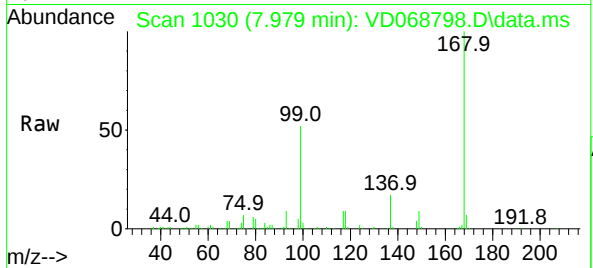
Tgt Ion:	75	Resp:	31832
Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	24.7	37.1#



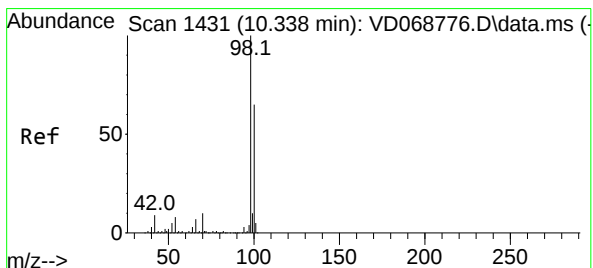
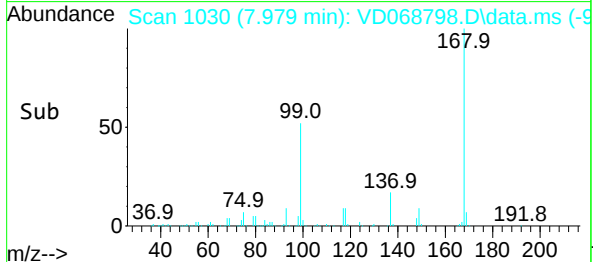
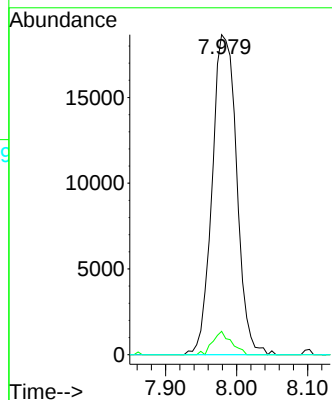


#38
Carbon Tetrachloride
Concen: 5.47 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

Instrument :
MSVOA_D
ClientSampleId :

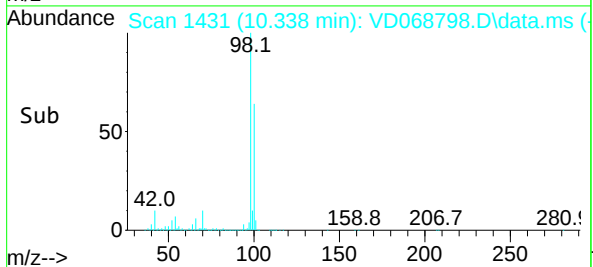
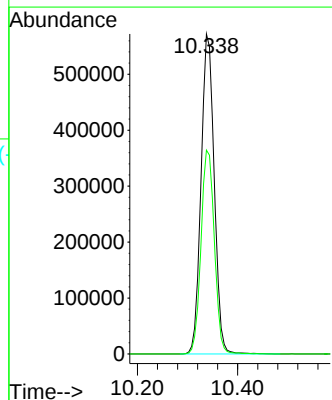
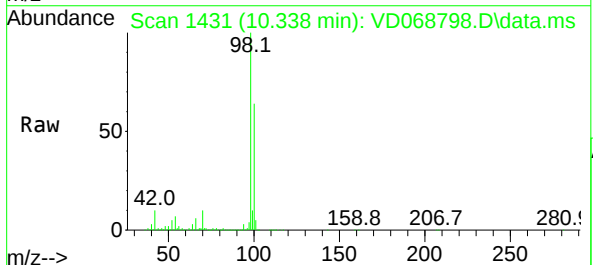


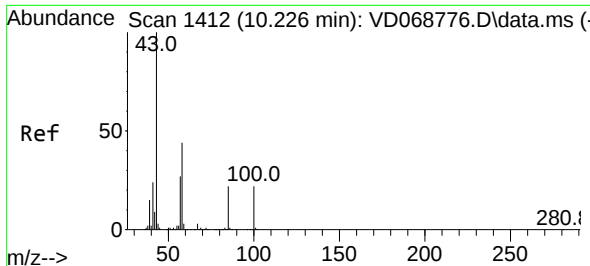
Tgt Ion:117 Resp: 44671
Ion Ratio Lower Upper
117 100
119 7.3 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 52.20 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

Tgt Ion: 98 Resp: 1044341
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6

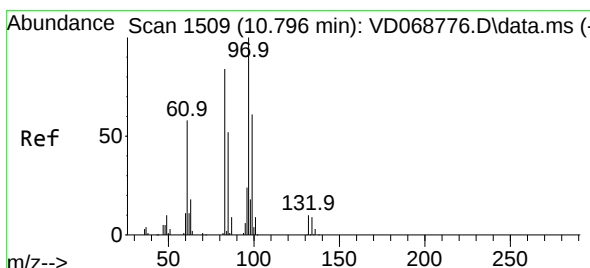
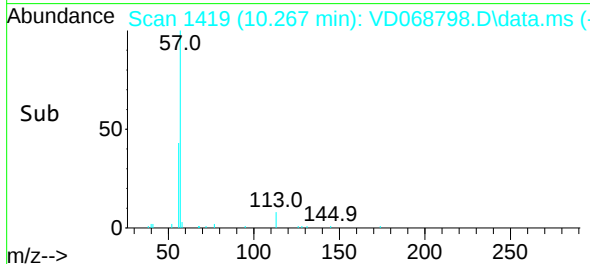
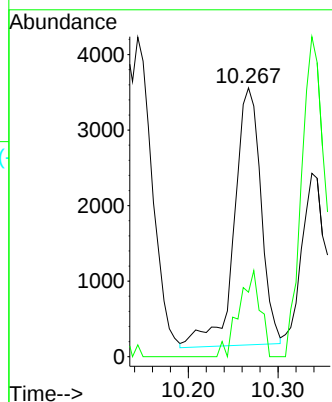
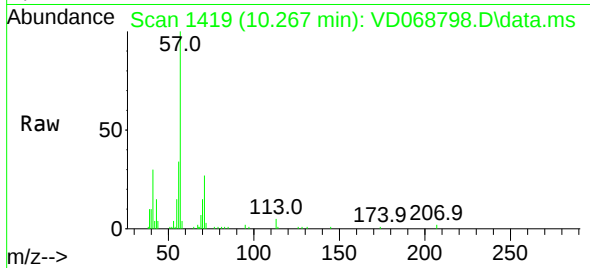




#51
4-Methyl-2-Pentanone
Concen: 2.83 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

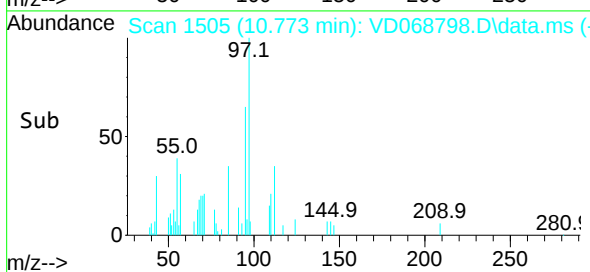
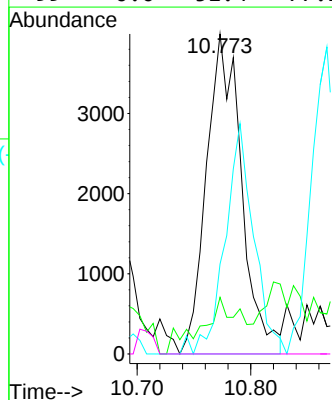
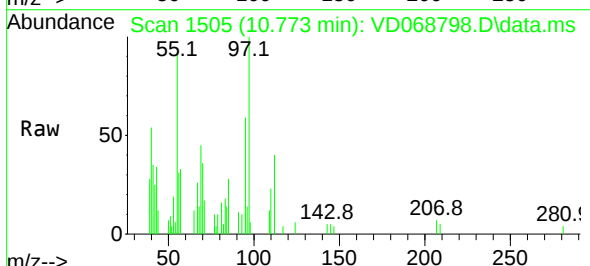
Instrument :
MSVOA_D
ClientSampled :

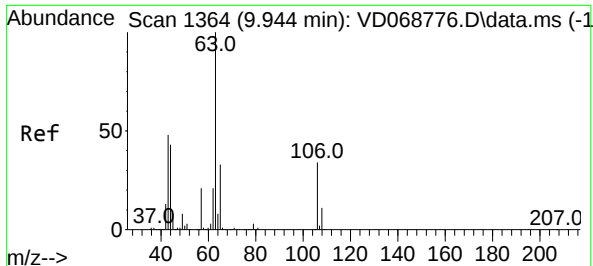
Tgt Ion: 43 Resp: 7043
Ion Ratio Lower Upper
43 100
58 26.6 37.3 55.9#



#55
1,1,2-Trichloroethane
Concen: 1.87 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

Tgt Ion: 97 Resp: 8497
Ion Ratio Lower Upper
97 100
83 13.3 65.7 98.5#
85 28.1 44.3 66.5#
99 0.0 51.4 77.2#

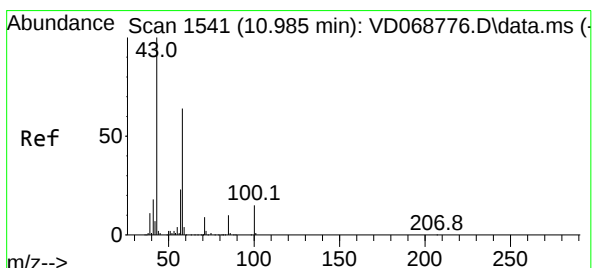
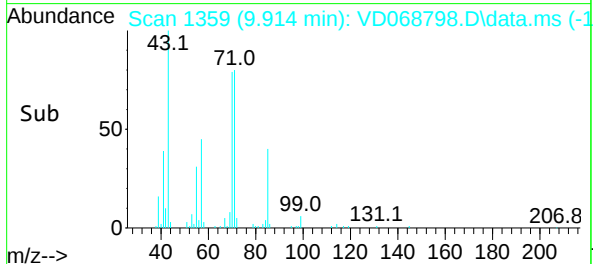
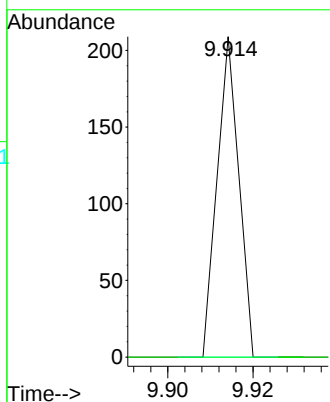
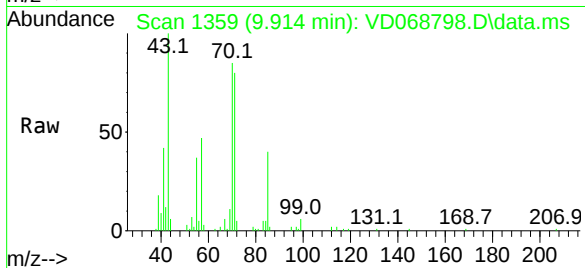




#58
2-Chloroethyl Vinyl ether
Concen: 17.02 ug/l
RT: 9.914 min Scan# 1359
Delta R.T. -0.030 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

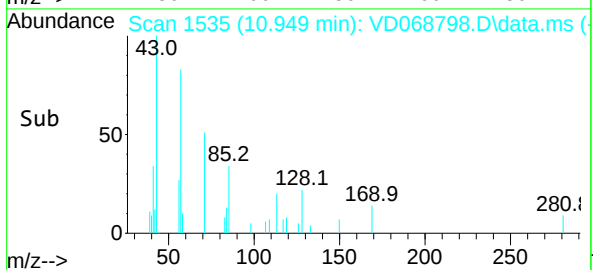
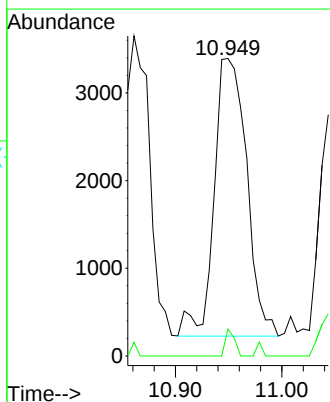
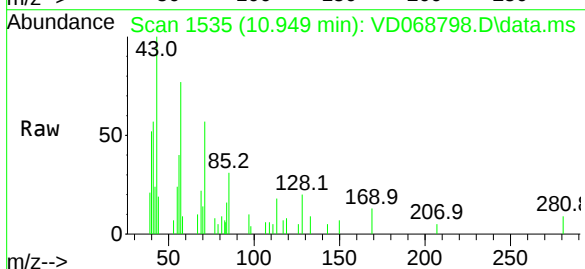
Instrument :
MSVOA_D
ClientSampled :

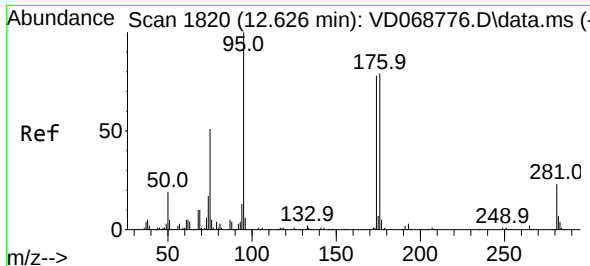
Tgt Ion: 63 Resp: 74
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#59
2-Hexanone
Concen: 4.03 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.036 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

Tgt Ion: 43 Resp: 6722
Ion Ratio Lower Upper
43 100
58 2.7 31.3 93.8#

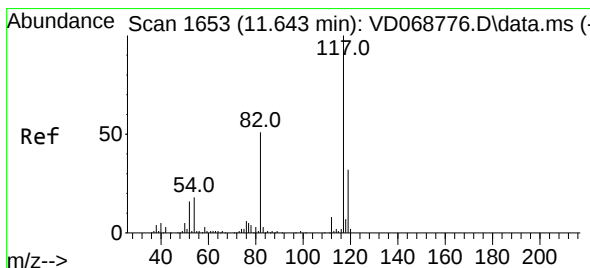
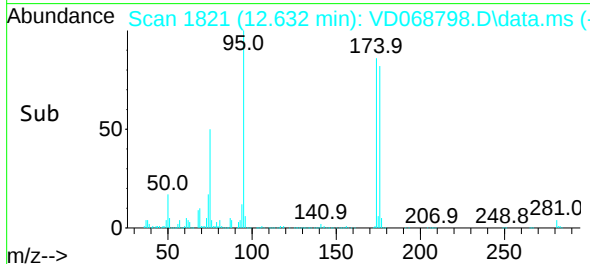
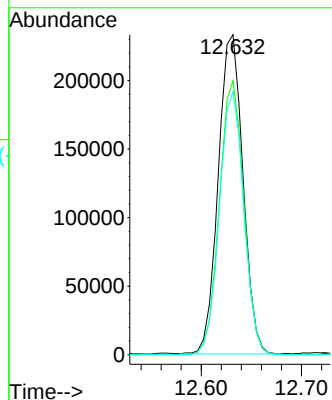
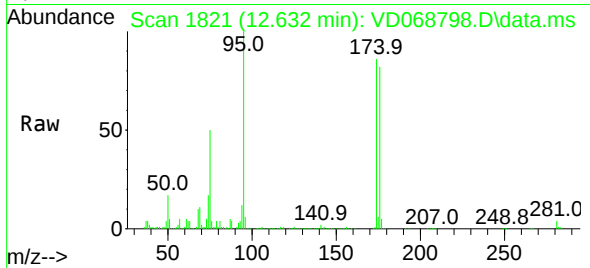




#62
4-Bromofluorobenzene
Concen: 59.97 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

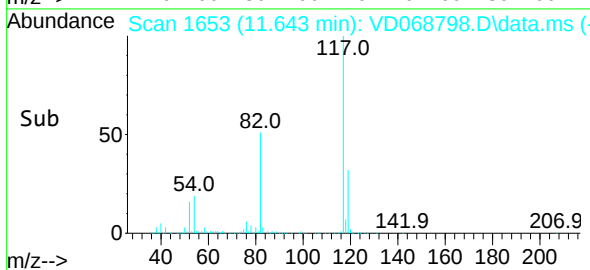
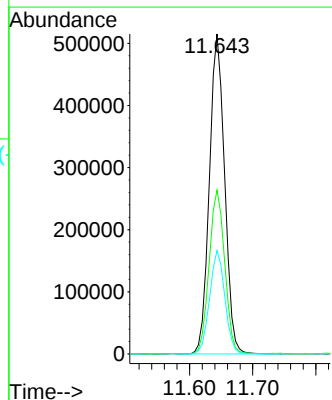
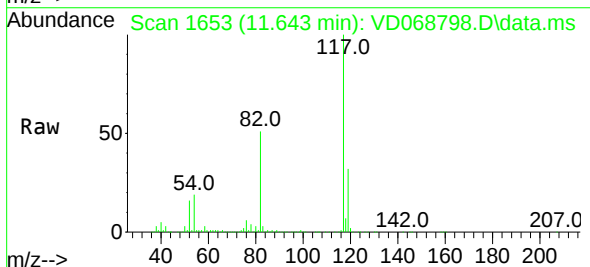
Instrument :
MSVOA_D
ClientSampleId :

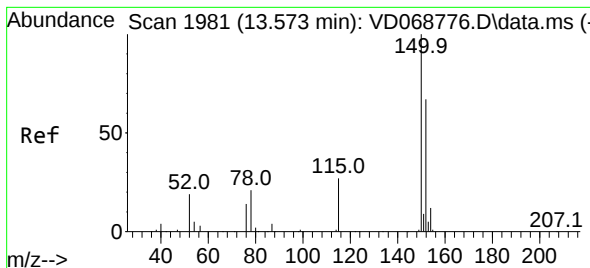
Tgt Ion: 95 Resp: 398504
Ion Ratio Lower Upper
95 100
174 84.8 0.0 168.0
176 81.4 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

Tgt Ion:117 Resp: 864295
Ion Ratio Lower Upper
117 100
82 51.1 43.5 65.3
119 32.3 26.7 40.1

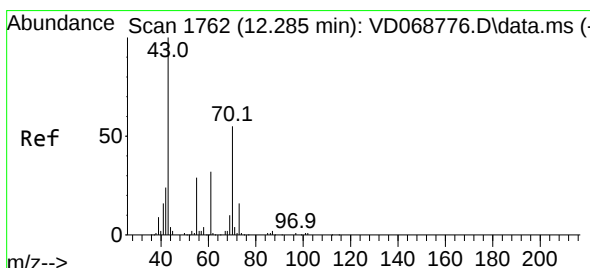
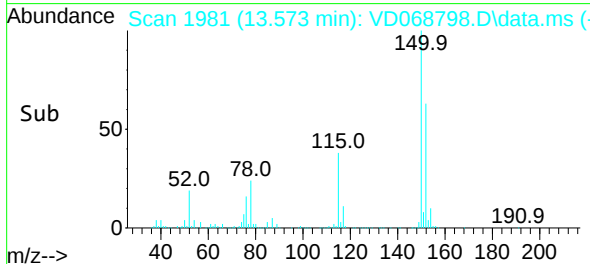
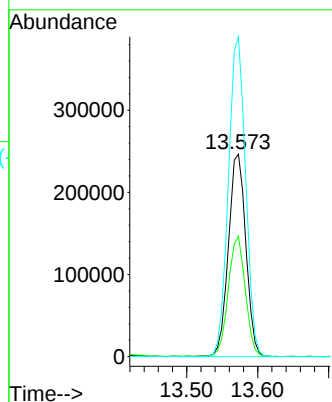
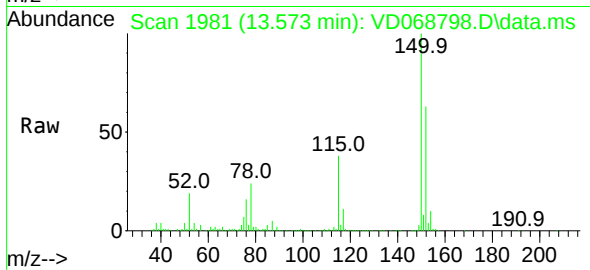




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

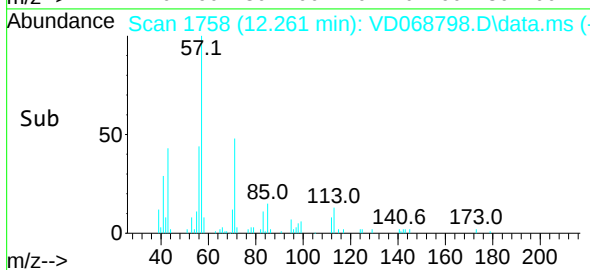
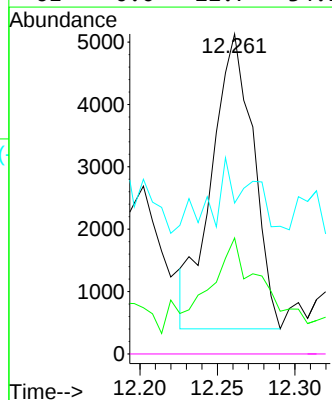
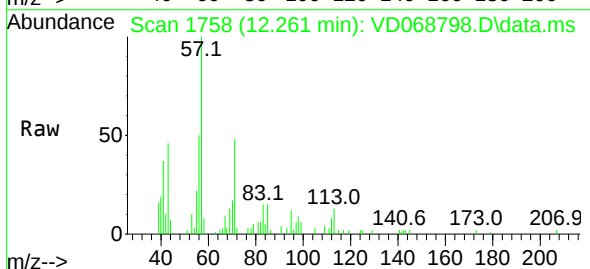
Instrument :
MSVOA_D
ClientSampleId :

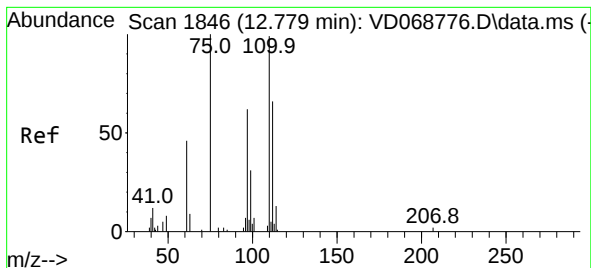
Tgt Ion:152 Resp: 421445
Ion Ratio Lower Upper
152 100
115 57.8 29.3 87.8
150 155.8 0.0 347.6



#74
N-ethyl acetate
Concen: 1.69 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.024 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

Tgt Ion: 43 Resp: 8840
Ion Ratio Lower Upper
43 100
70 44.0 41.9 62.9
55 8.4 22.8 34.2#
61 0.0 22.7 34.1#

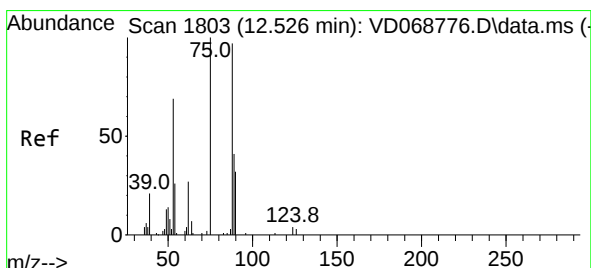
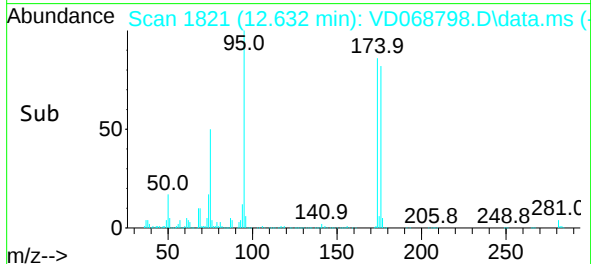
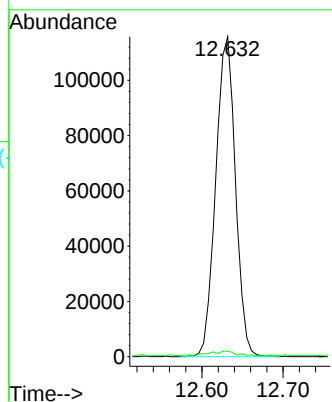
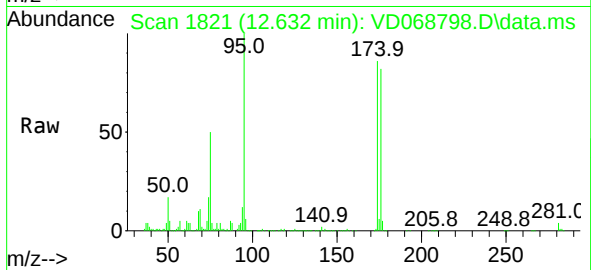




#76
1,2,3-Trichloropropane
Concen: 50.78 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 195529
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.86 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068798.D
Acq: 08 Apr 2021 19:23

Tgt Ion: 75 Resp: 195529
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 36.6 54.8#

