

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012221\
 Data File : VD068152.D
 Acq On : 22 Jan 2021 13:43
 Operator : VA/SY
 Sample : M1189-05
 Misc : 3.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 41048

Quant Time: Jan 22 23:58:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

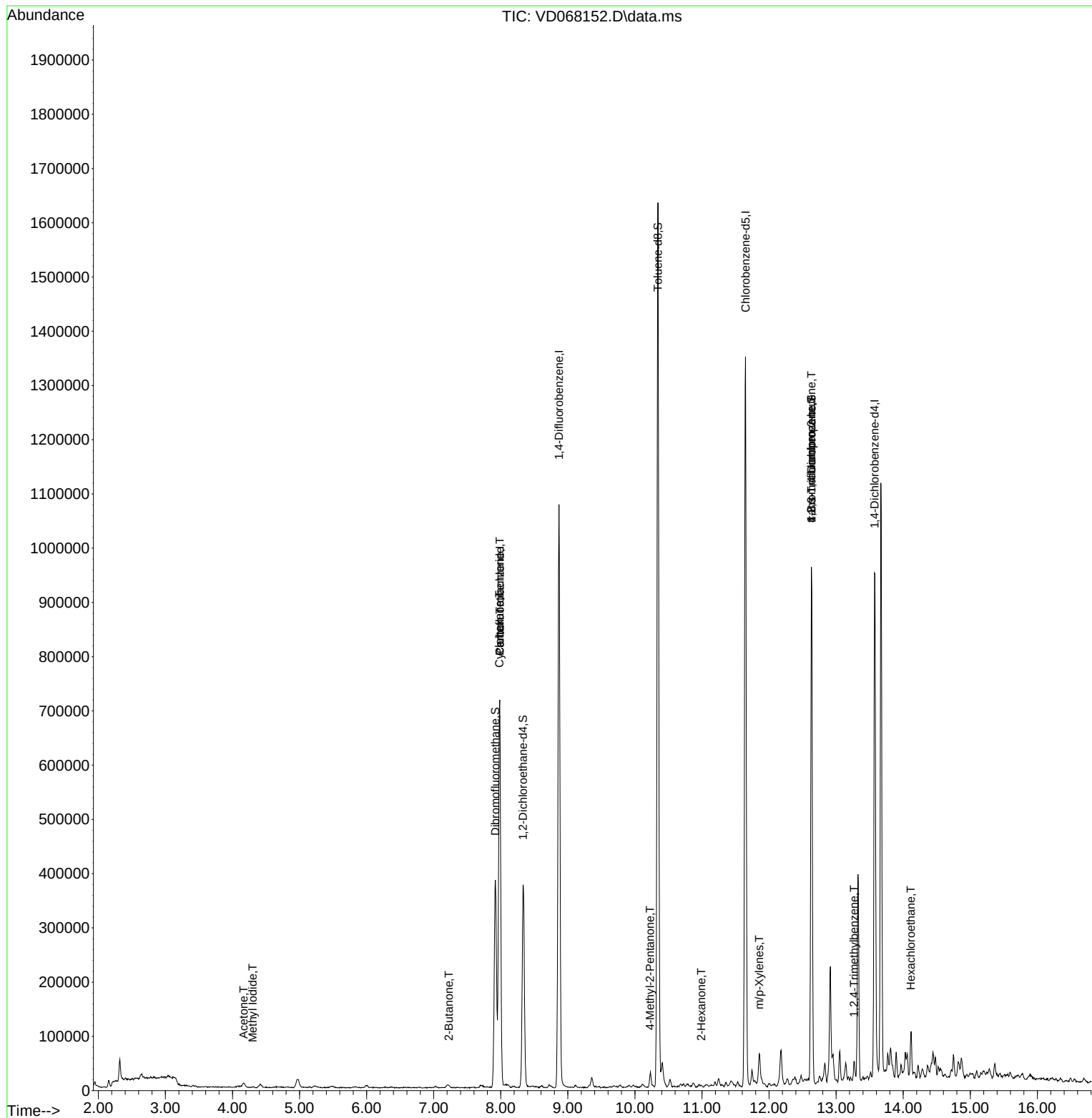
Internal Standards						
1) Pentafluorobenzene	7.985	168	541941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	943610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	782872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	258267	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	303499	58.54	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.08%			
35) Dibromofluoromethane	7.920	113	281740	54.01	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.02%			
50) Toluene-d8	10.344	98	1114950	53.43	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.86%			
62) 4-Bromofluorobenzene	12.632	95	328309	43.69	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.38%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.303	142	876	3.28	ug/l #	47
11) Tert butyl alcohol	5.214	59	2563	Below Cal	#	77
16) Acetone	4.167	43	14286	15.43	ug/l	94
20) Methylene Chloride	4.979	84	12740	Below Cal	#	87
25) 2-Butanone	7.226	43	4241	3.04	ug/l	90
31) Cyclohexane	7.979	56	15654	1.39	ug/l #	37
38) Carbon Tetrachloride	7.985	117	53798	6.04	ug/l #	16
51) 4-Methyl-2-Pentanone	10.226	43	16645	5.10	ug/l	94
59) 2-Hexanone	10.991	43	5479	2.42	ug/l #	56
68) m/p-Xylenes	11.855	106	13127	1.13	ug/l	91
76) 1,2,3-Trichloropropane	12.632	75	167132	66.93	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	167132	135.43	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.267	105	23259	1.31	ug/l	96
90) Hexachloroethane	14.114	117	4827	1.38	ug/l #	11

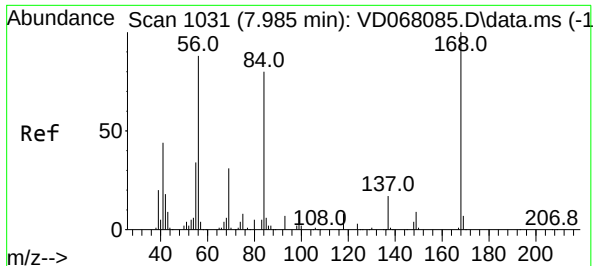
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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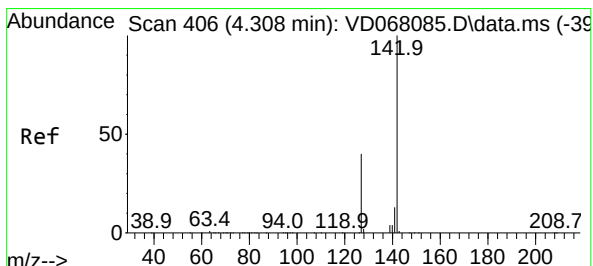
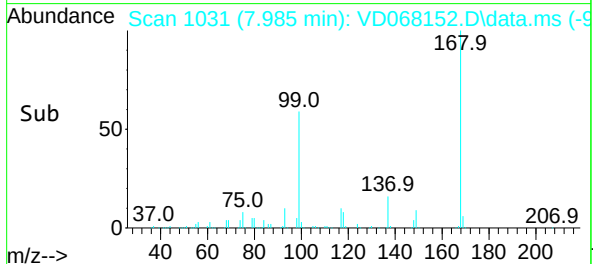
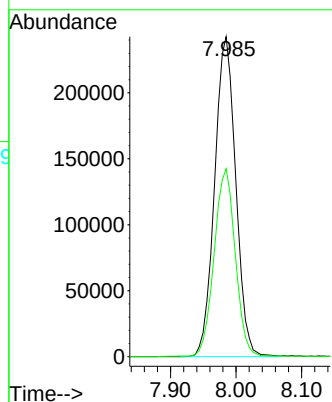
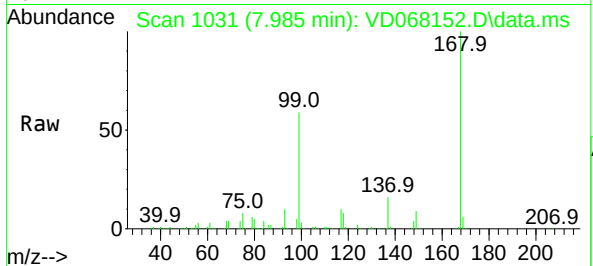




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

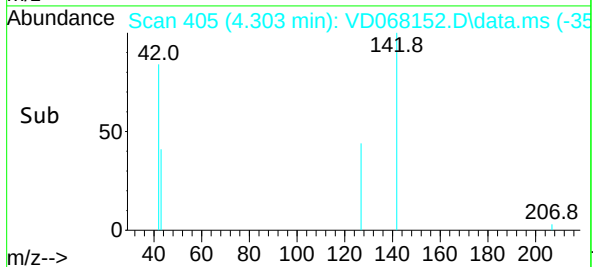
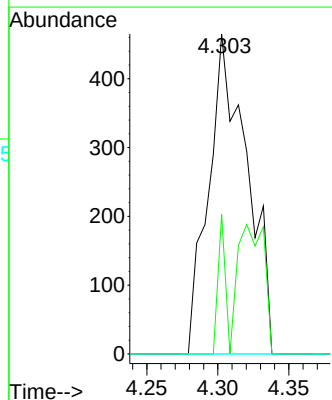
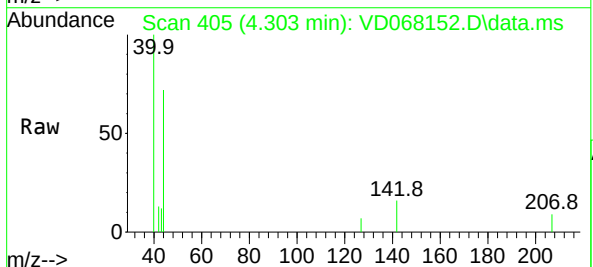
Instrument :
MSVOA_D
ClientSampleId :
41048

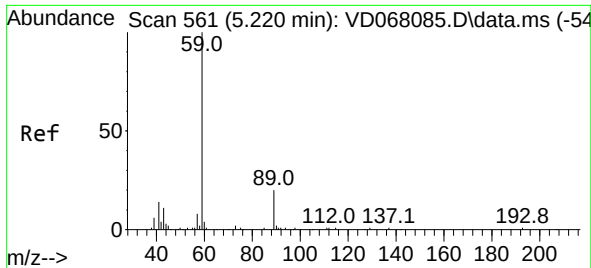
Tgt Ion:168 Resp: 541941
Ion Ratio Lower Upper
168 100
99 58.5 43.5 65.3



#10
Methyl Iodide
Concen: 3.28 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.005 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

Tgt Ion:142 Resp: 876
Ion Ratio Lower Upper
142 100
127 8.2 37.9 56.9#
141 0.0 11.5 17.3#

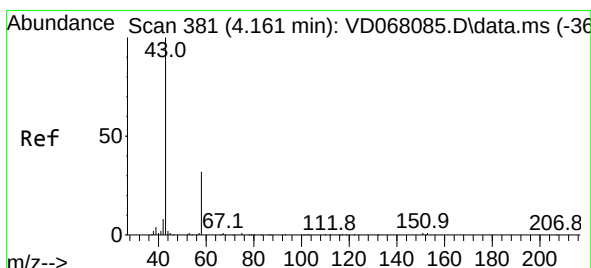
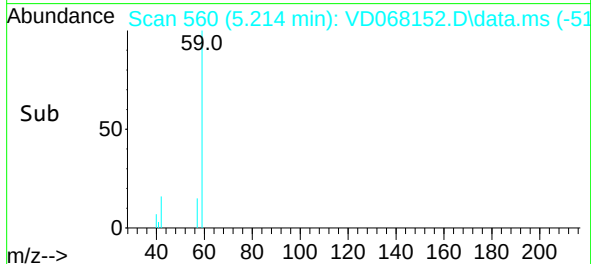
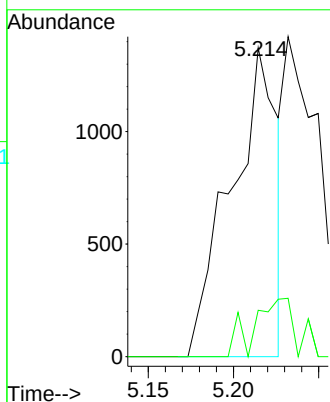
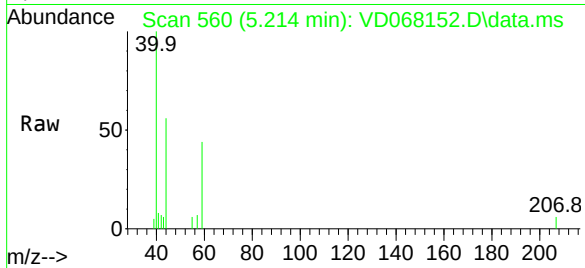




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

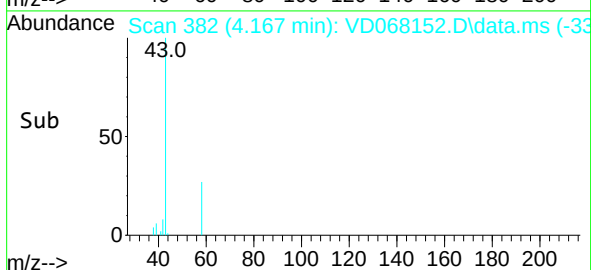
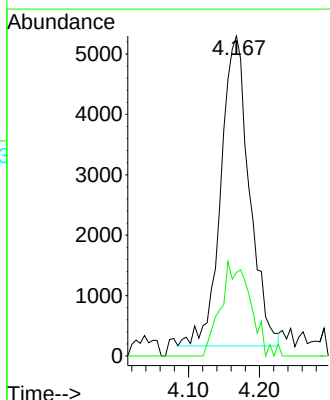
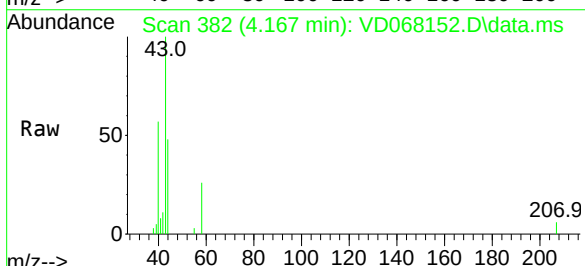
Instrument :
MSVOA_D
ClientSampleId :
41048

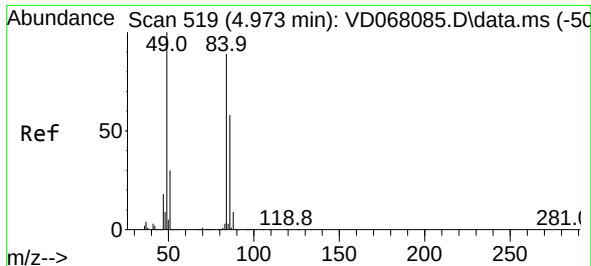
Tgt Ion: 59 Resp: 2563
Ion Ratio Lower Upper
59 100
57 17.7 7.4 11.2#



#16
Acetone
Concen: 15.43 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

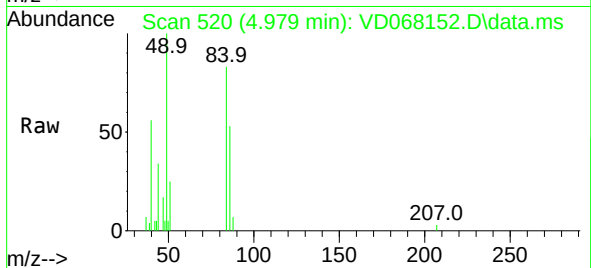
Tgt Ion: 43 Resp: 14286
Ion Ratio Lower Upper
43 100
58 27.0 24.2 36.4



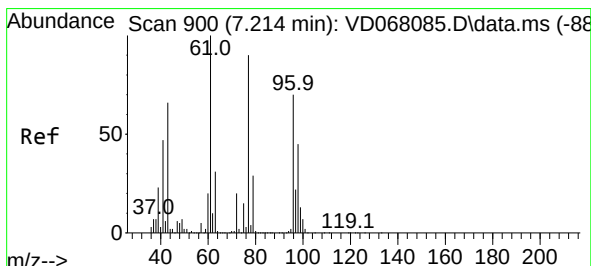
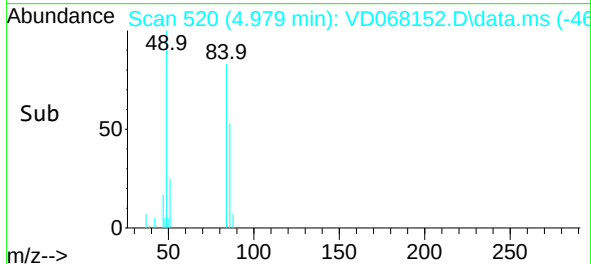
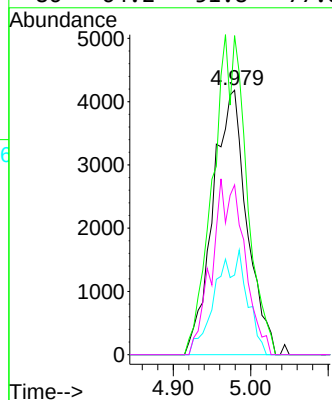


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.006 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

Instrument :
MSVOA_D
ClientSampleId :
41048

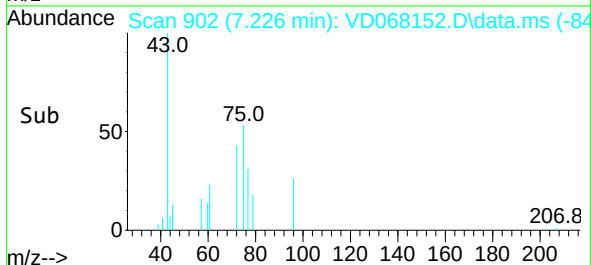
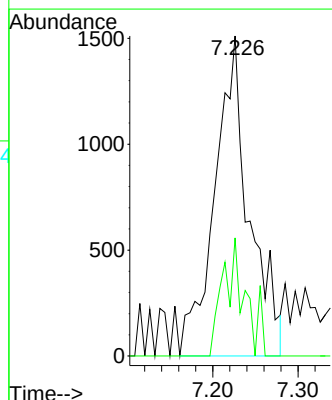
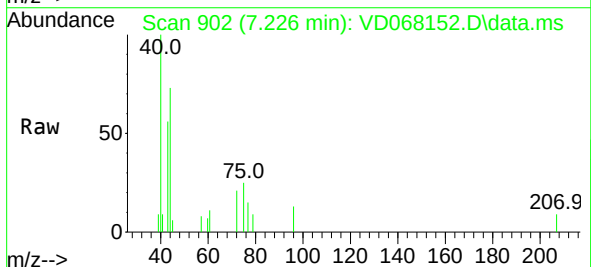


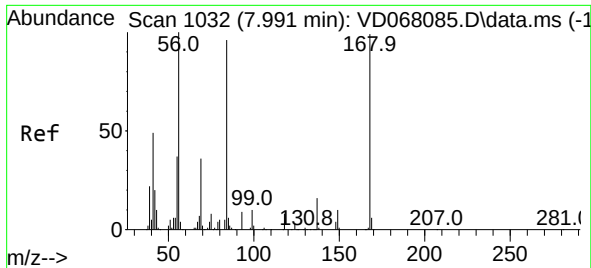
Tgt Ion:	84	Resp:	12740
Ion	Ratio	Lower	Upper
84	100		
49	120.7	77.4	116.2#
51	30.1	26.1	39.1
86	64.2	51.8	77.8



#25
2-Butanone
Concen: 3.04 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

Tgt Ion:	43	Resp:	4241
Ion	Ratio	Lower	Upper
43	100		
72	36.9	25.1	37.7

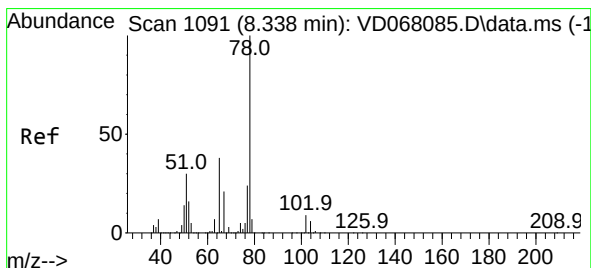
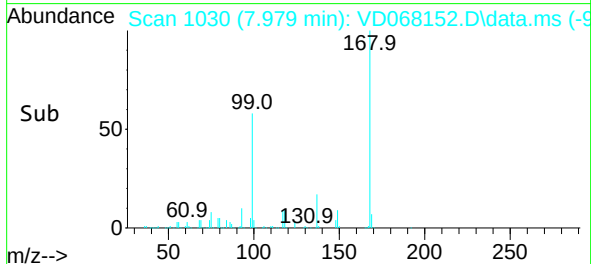
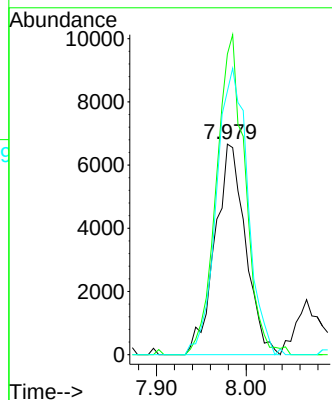
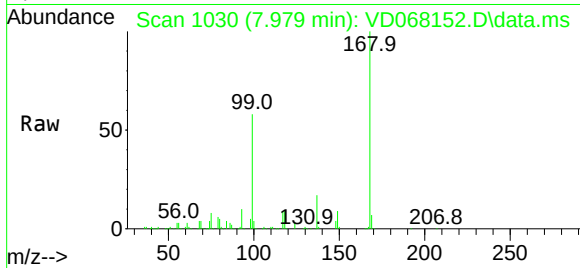




#31
Cyclohexane
Concen: 1.39 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

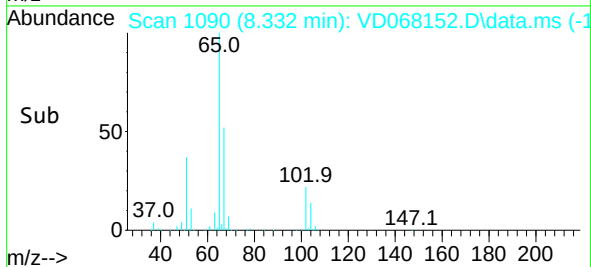
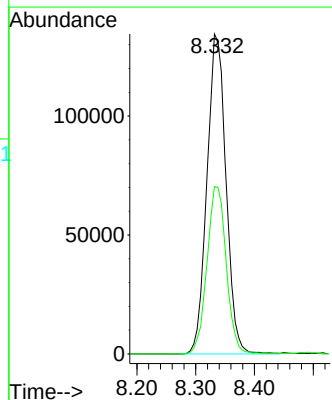
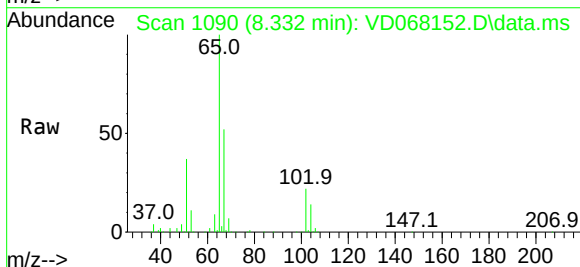
Instrument :
MSVOA_D
ClientSampled :
41048

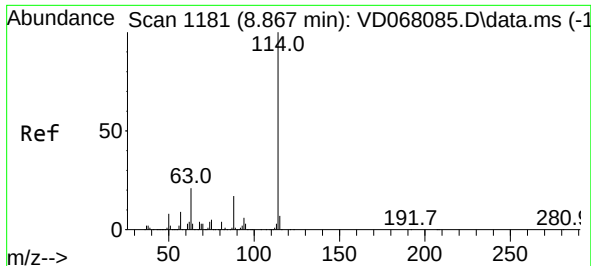
Tgt Ion: 56 Resp: 15654
Ion Ratio Lower Upper
56 100
69 142.8 30.1 45.1#
84 125.2 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 58.54 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

Tgt Ion: 65 Resp: 303499
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.0

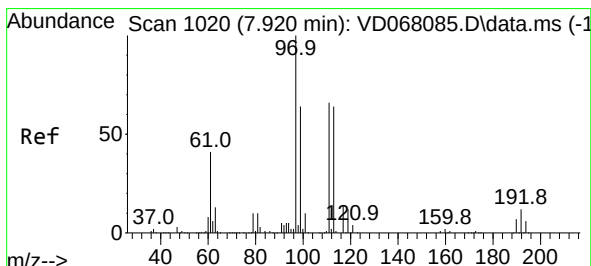
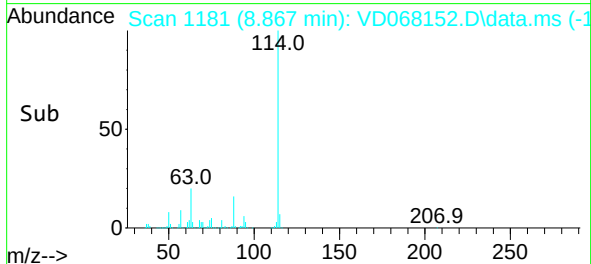
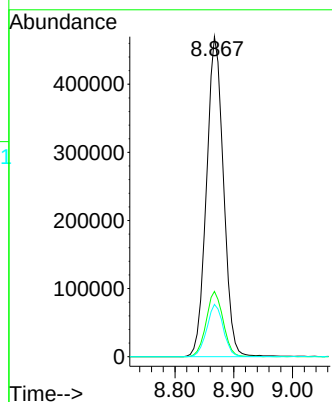
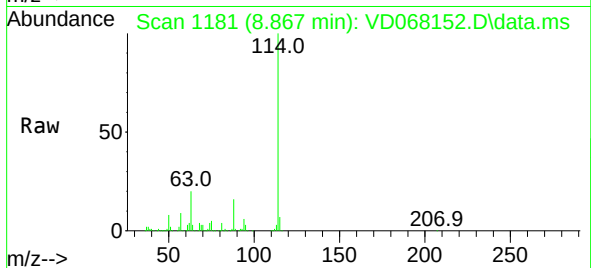




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

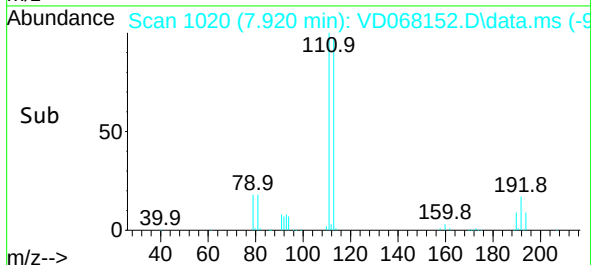
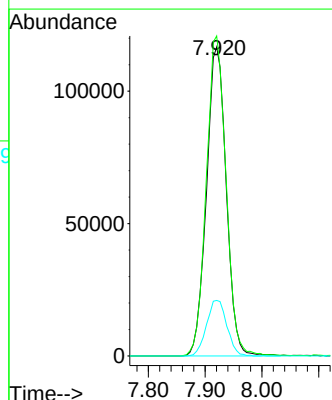
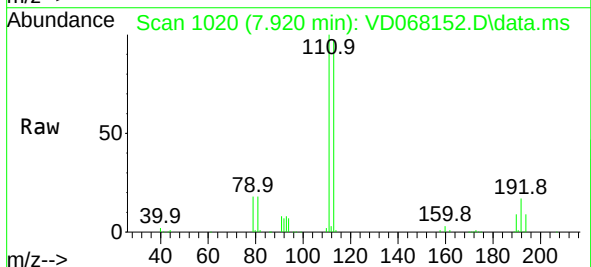
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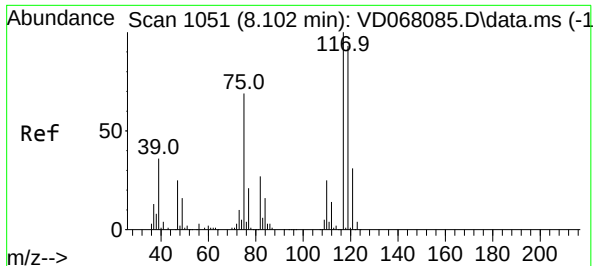
Tgt Ion:114 Resp: 943610
Ion Ratio Lower Upper
114 100
63 20.4 0.0 34.8
88 16.4 0.0 31.6



#35
Dibromofluoromethane
Concen: 54.01 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

Tgt Ion:113 Resp: 281740
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.0
192 18.5 16.1 24.1

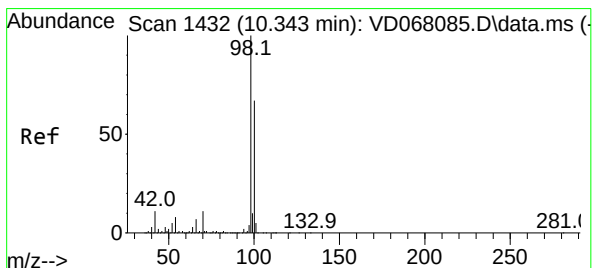
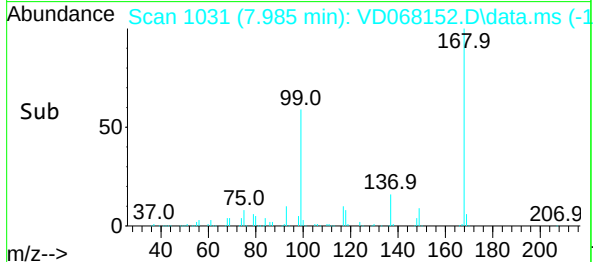
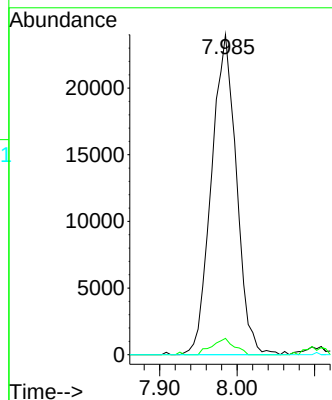
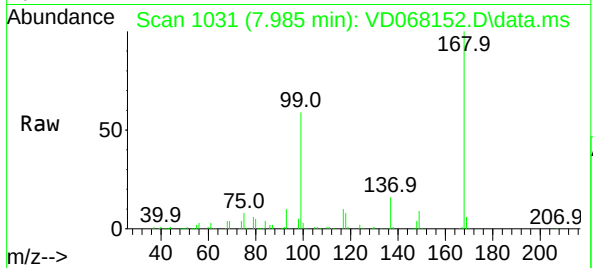




#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

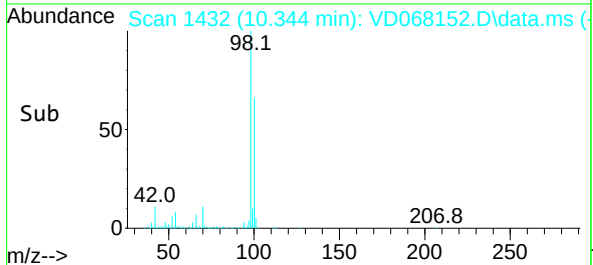
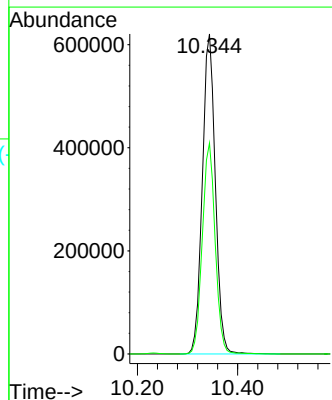
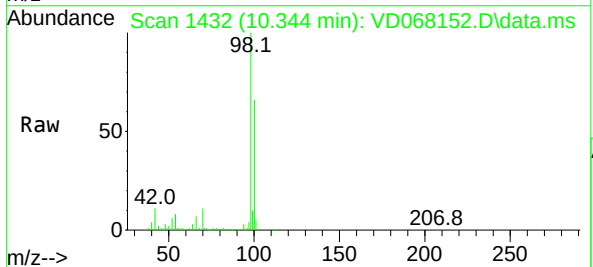
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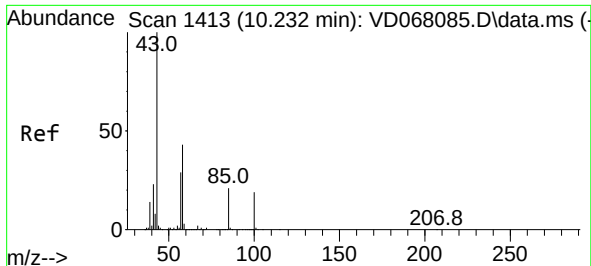
Tgt Ion:117 Resp: 53798
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 53.43 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

Tgt Ion: 98 Resp: 1114950
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4

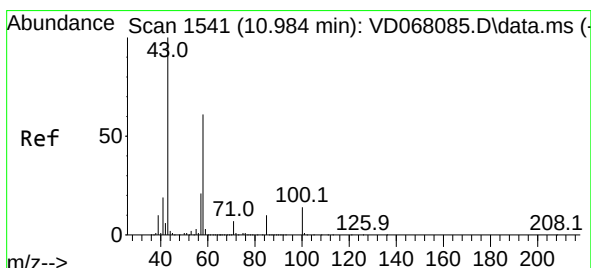
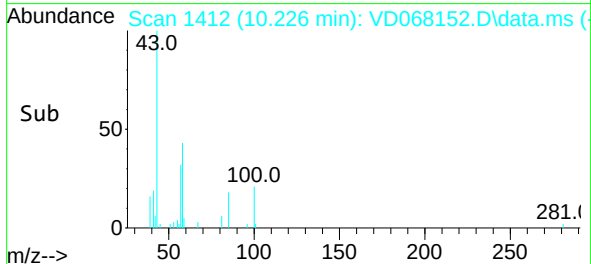
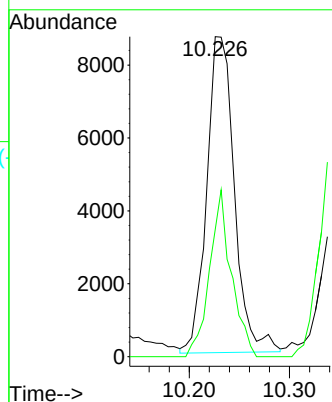
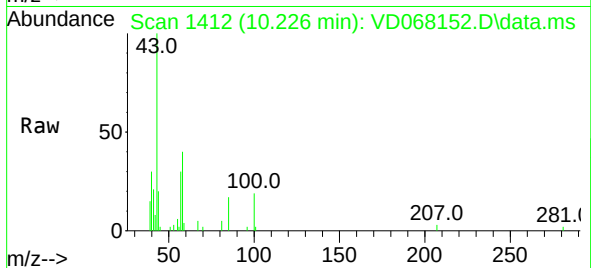




#51
4-Methyl-2-Pentanone
Concen: 5.10 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

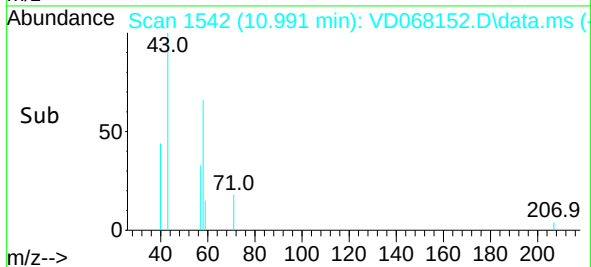
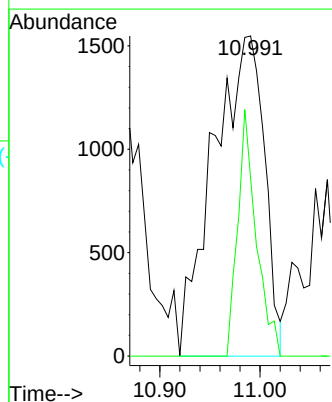
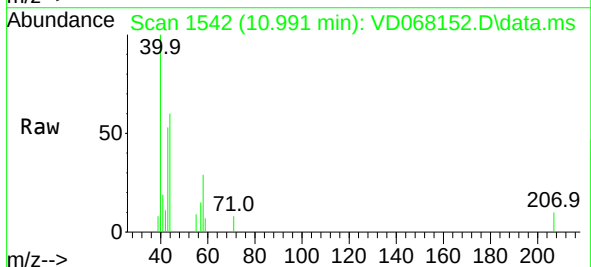
Instrument :
MSVOA_D
ClientSampleId :
41048

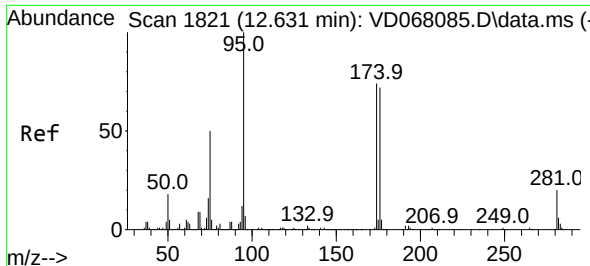
Tgt Ion: 43 Resp: 16645
Ion Ratio Lower Upper
43 100
58 41.4 36.1 54.1



#59
2-Hexanone
Concen: 2.42 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

Tgt Ion: 43 Resp: 5479
Ion Ratio Lower Upper
43 100
58 28.0 31.0 93.0#

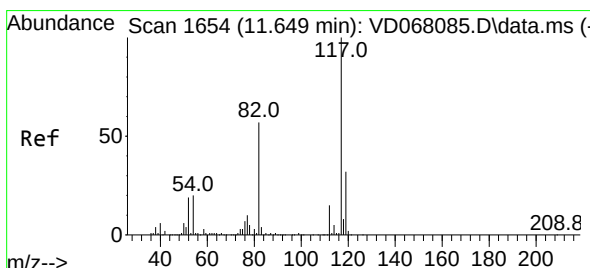
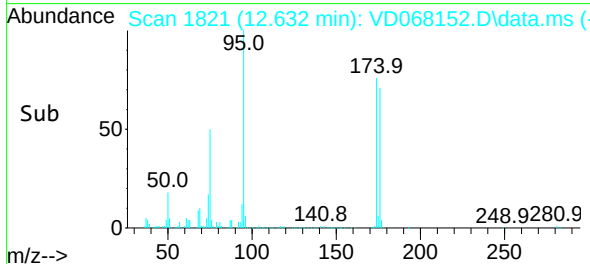
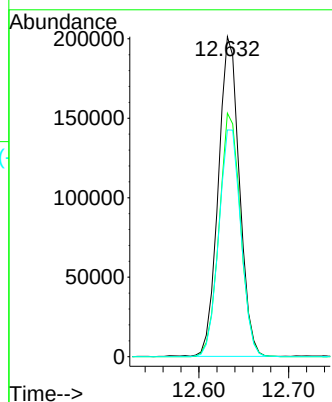
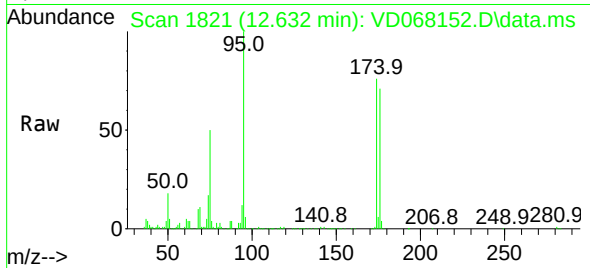




#62
4-Bromofluorobenzene
Concen: 43.69 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

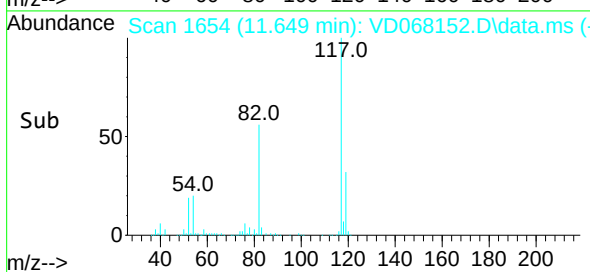
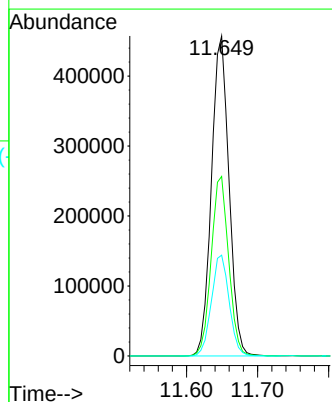
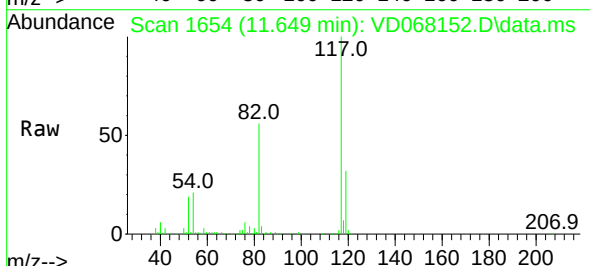
Instrument :
MSVOA_D
ClientSampleId :
41048

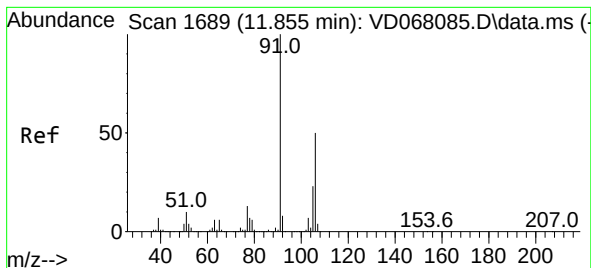
Tgt Ion: 95 Resp: 328309
Ion Ratio Lower Upper
95 100
174 77.2 0.0 172.4
176 74.4 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

Tgt Ion: 117 Resp: 782872
Ion Ratio Lower Upper
117 100
82 56.1 41.4 62.0
119 31.5 26.1 39.1

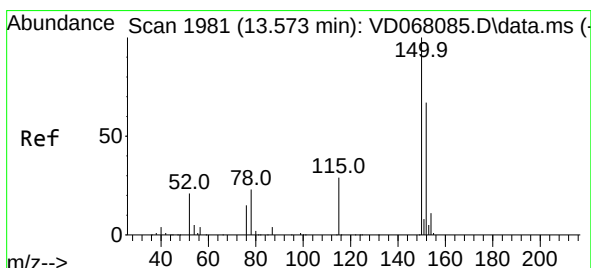
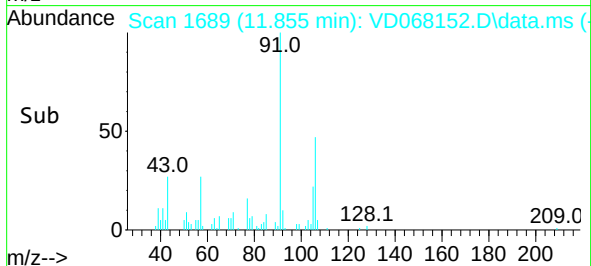
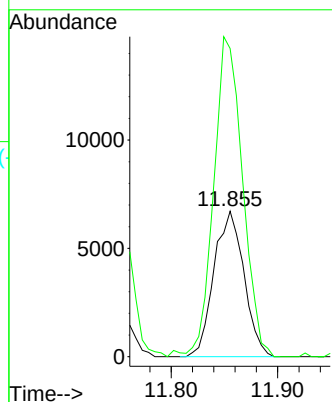
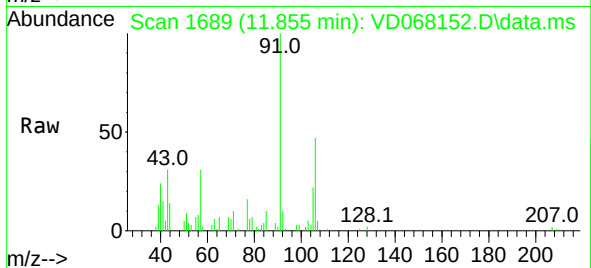




#68
m/p-Xylenes
Concen: 1.13 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

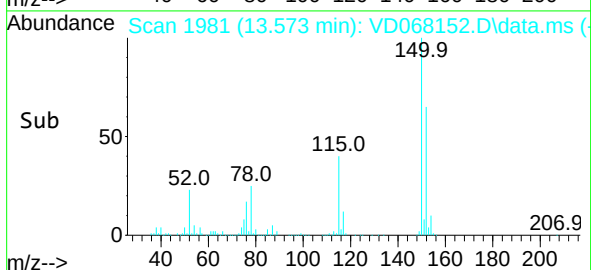
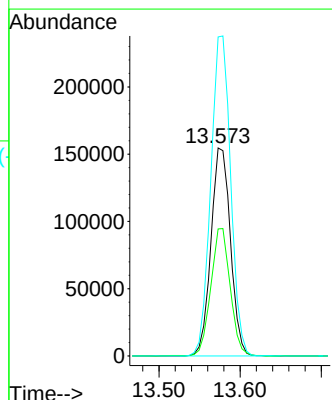
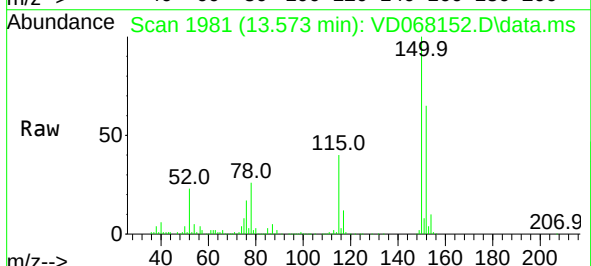
Instrument :
MSVOA_D
ClientSampleId :
41048

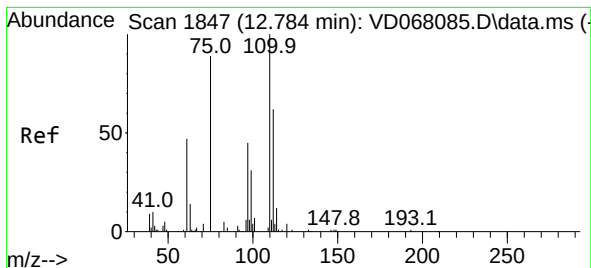
Tgt Ion:106 Resp: 13127
Ion Ratio Lower Upper
106 100
91 212.0 159.1 238.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

Tgt Ion:152 Resp: 258267
Ion Ratio Lower Upper
152 100
115 60.8 28.9 86.8
150 156.7 0.0 344.4

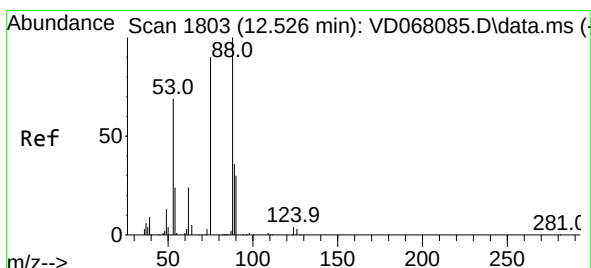
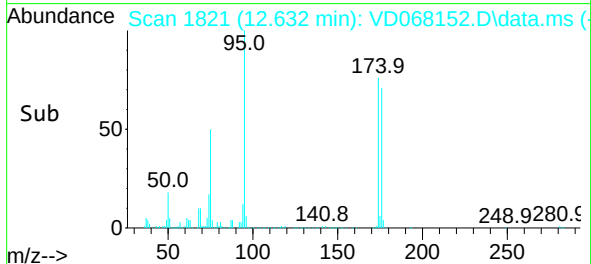
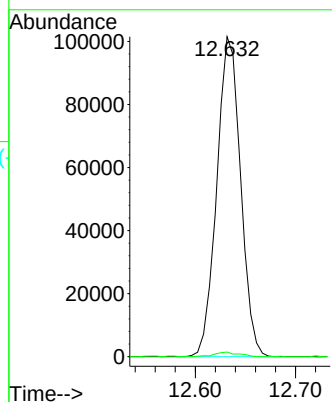
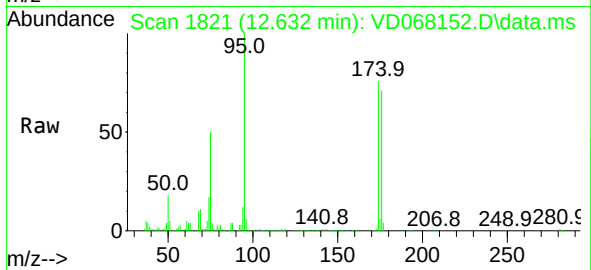




#76
1,2,3-Trichloropropane
Concen: 66.93 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

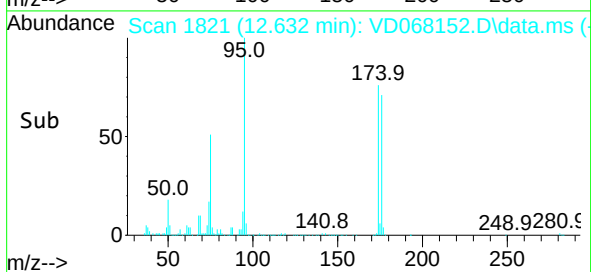
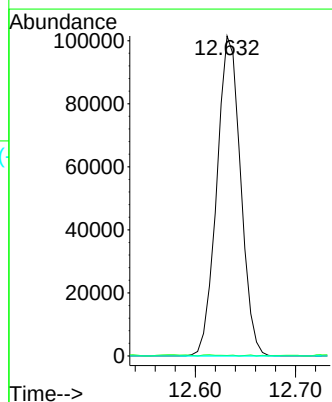
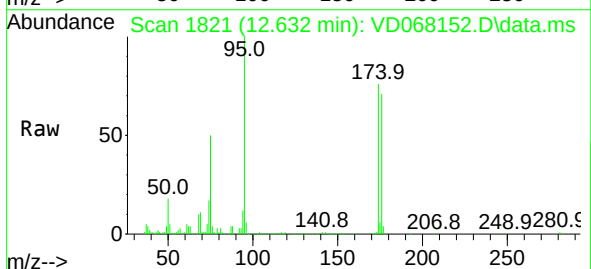
Instrument :
MSVOA_D
ClientSampleId :
41048

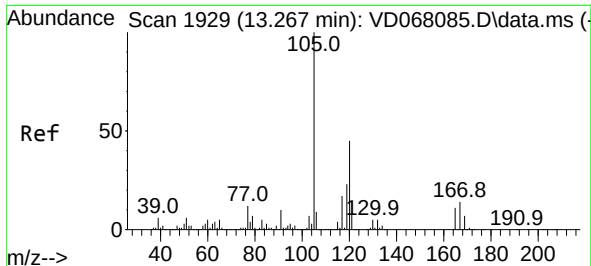
Tgt Ion: 75 Resp: 167132
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.43 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

Tgt Ion: 75 Resp: 167132
Ion Ratio Lower Upper
75 100
53 0.3 70.2 105.2#
89 0.0 40.3 60.5#

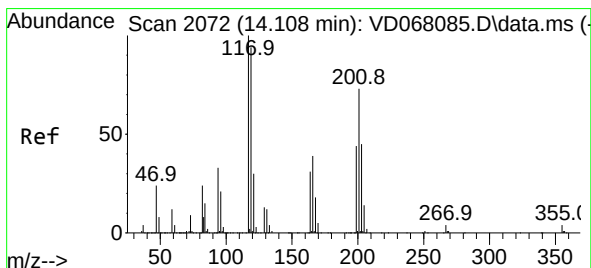
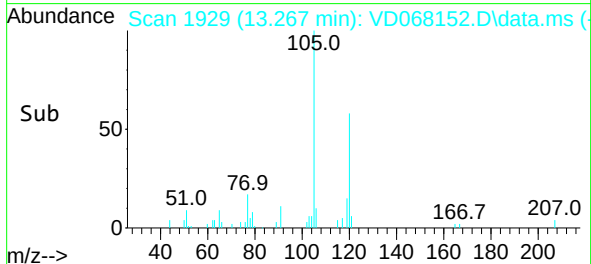
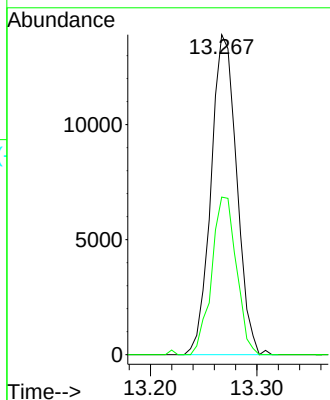
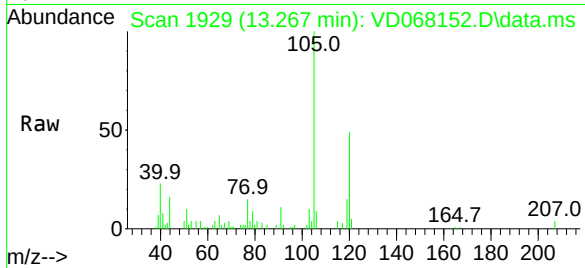




#84
1,2,4-Trimethylbenzene
Concen: 1.31 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

Instrument :
MSVOA_D
ClientSampleId :
41048

Tgt Ion:105 Resp: 23259
Ion Ratio Lower Upper
105 100
120 47.5 22.4 67.0



#90
Hexachloroethane
Concen: 1.38 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VD068152.D
Acq: 22 Jan 2021 13:43

Tgt Ion:117 Resp: 4827
Ion Ratio Lower Upper
117 100
201 1.3 39.5 118.5#

