

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068178.D
 Acq On : 25 Jan 2021 20:01
 Operator : VA/SY
 Sample : M1231-01
 Misc : 6.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 26 00:11:02 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)

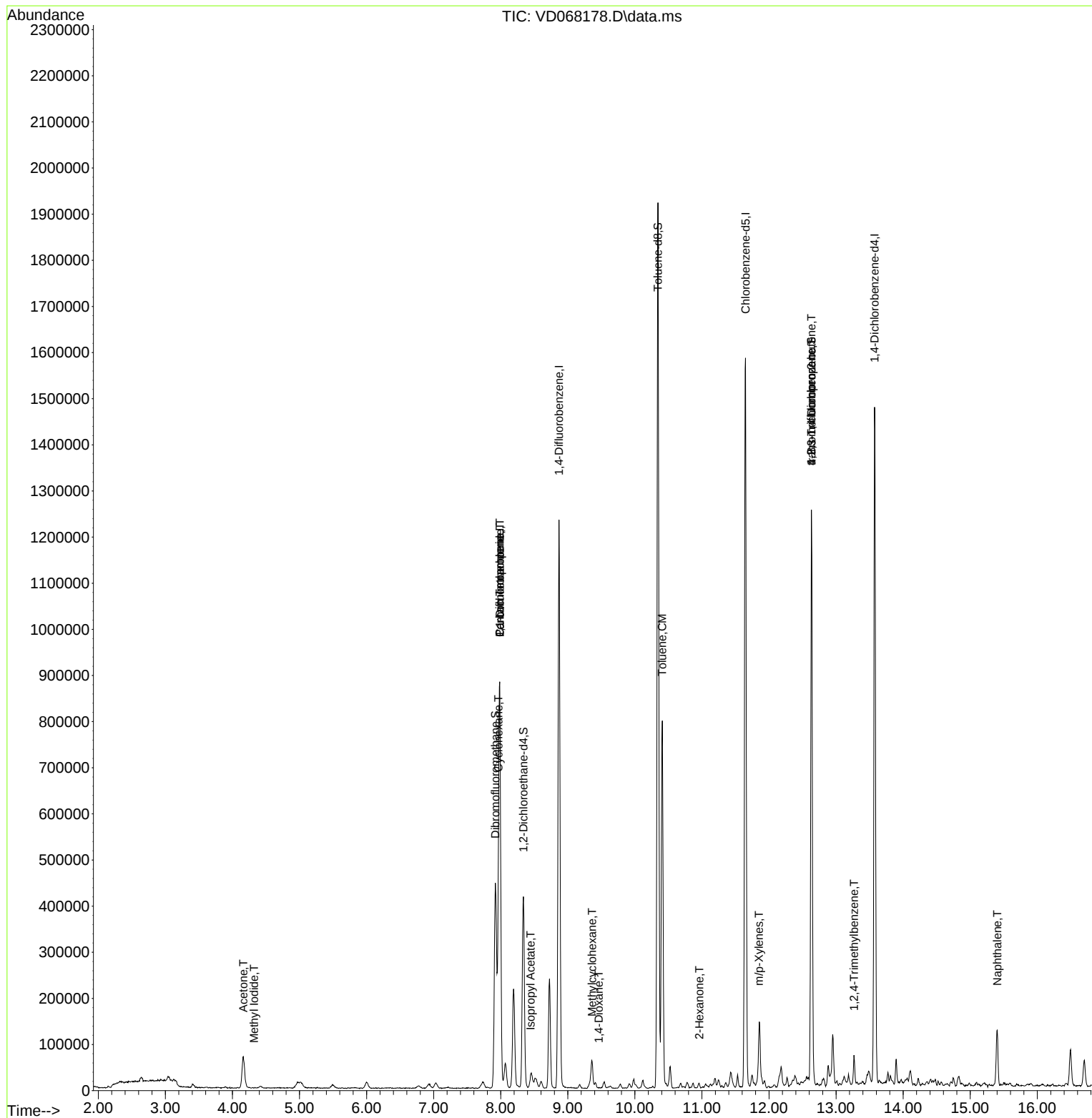
Internal Standards						
1) Pentafluorobenzene	7.985	168	632031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1089924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	955682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	406782	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	339211	56.10	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.20%			
35) Dibromofluoromethane	7.920	113	323382	53.67	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.34%			
50) Toluene-d8	10.344	98	1329019	55.14	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.28%			
62) 4-Bromofluorobenzene	12.632	95	432802	49.86	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.72%			
Target Compounds						Qvalue
10) Methyl Iodide	4.320	142	61	3.17	ug/l #	38
11) Tert butyl alcohol	5.214	59	521	Below Cal	#	74
16) Acetone	4.162	43	117236	108.60	ug/l	97
20) Methylene Chloride	4.973	84	8016	Below Cal	#	93
31) Cyclohexane	7.967	56	44995	3.44	ug/l #	66
36) 1,1-Dichloropropene	7.985	75	49621	4.51	ug/l #	47
38) Carbon Tetrachloride	7.985	117	62595	6.08	ug/l #	15
39) Methylcyclohexane	9.361	83	25632	1.78	ug/l	91
43) Isopropyl Acetate	8.444	43	15108	1.86	ug/l #	46
49) 1,4-Dioxane	9.461	88	182	4.07	ug/l #	30
52) Toluene	10.408	92	358583	17.91	ug/l	96
59) 2-Hexanone	10.961	43	5285	2.02	ug/l #	21
68) m/p-Xylenes	11.849	106	24692	1.74	ug/l	97
76) 1,2,3-Trichloropropane	12.632	75	215602	54.82	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	215602	110.92	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.267	105	33203	1.19	ug/l	97
95) Naphthalene	15.402	128	110665	7.20	ug/l	99

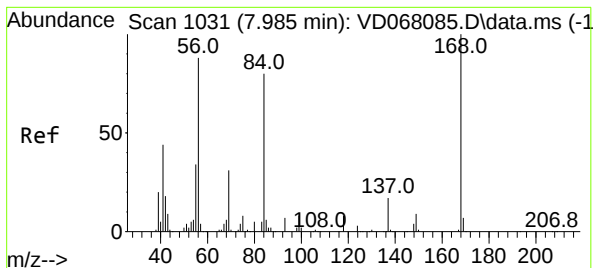
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 26 00:11:02 2021
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Response via : Initial Calibration

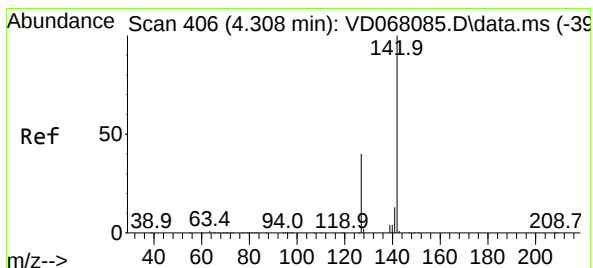
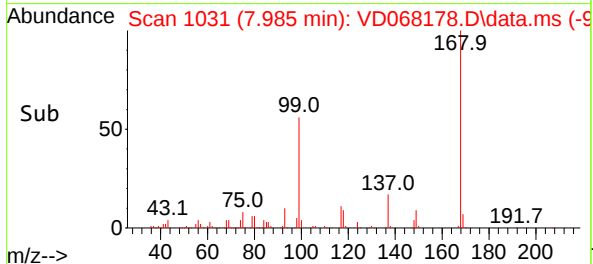
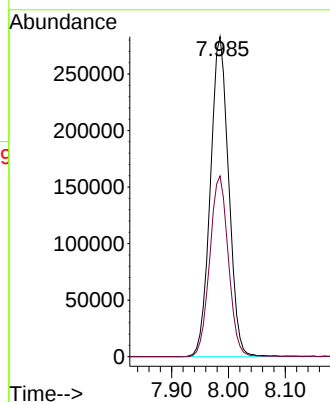
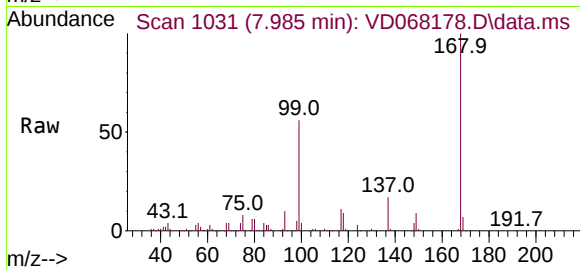




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

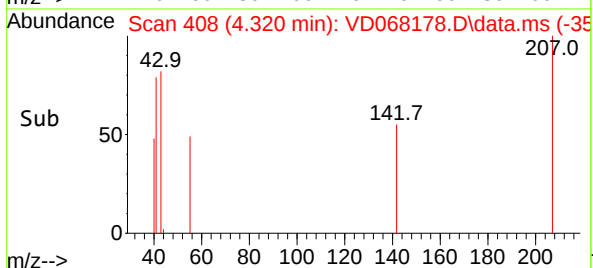
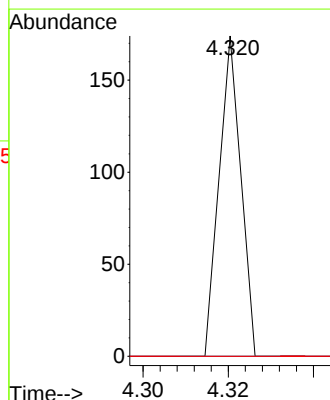
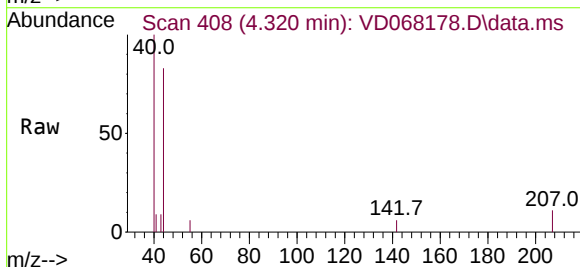
Instrument :
MSVOA_D
ClientSampled :

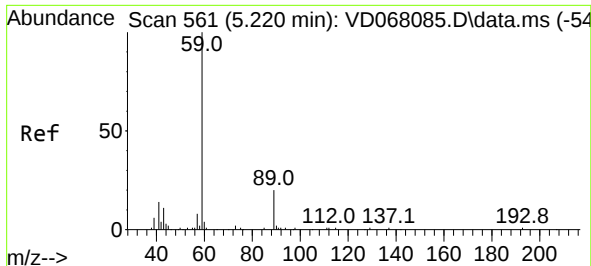
Tgt Ion:168 Resp: 632031
Ion Ratio Lower Upper
168 100
99 56.5 43.5 65.3



#10
Methyl Iodide
Concen: 3.17 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.012 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

Tgt Ion:142 Resp: 61
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

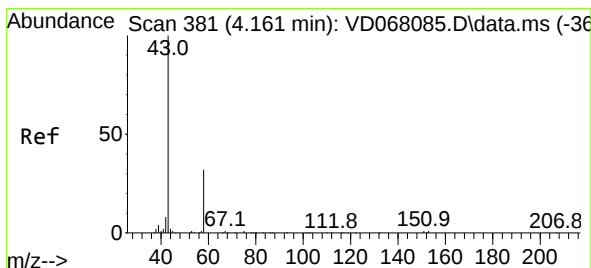
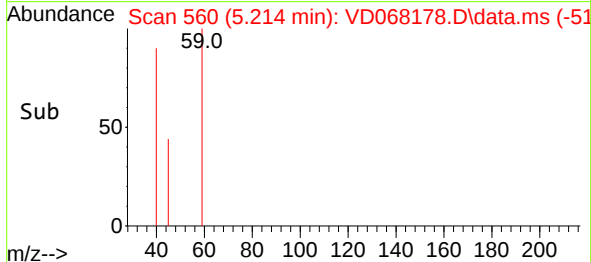
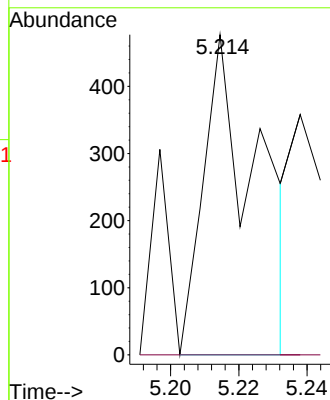
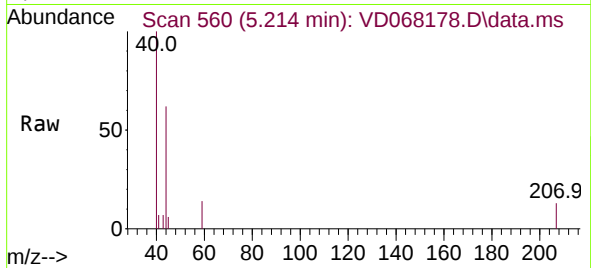




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

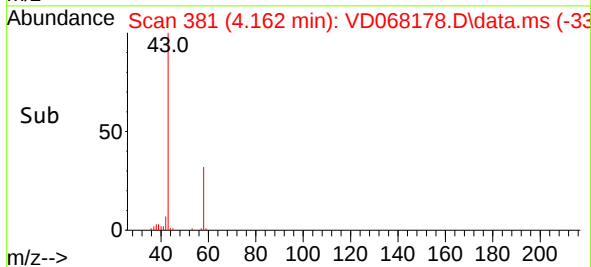
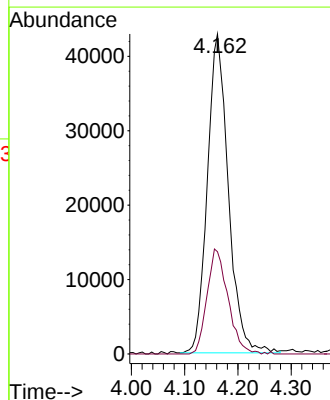
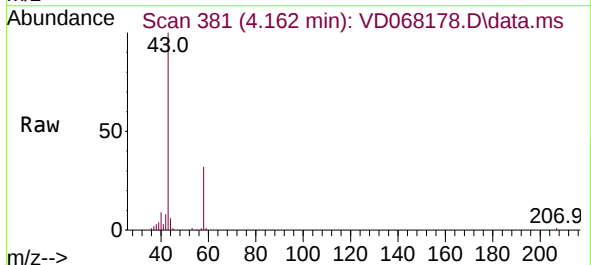
Instrument :
MSVOA_D
ClientSampled :

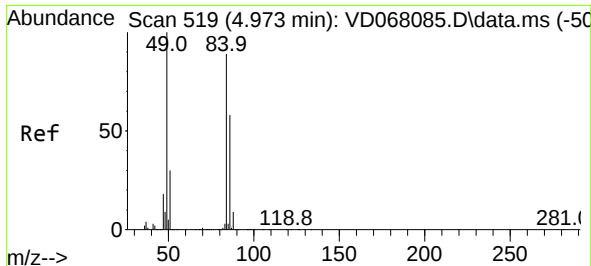
Tgt Ion: 59 Resp: 521
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 108.60 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

Tgt Ion: 43 Resp: 117236
Ion Ratio Lower Upper
43 100
58 32.1 24.2 36.4

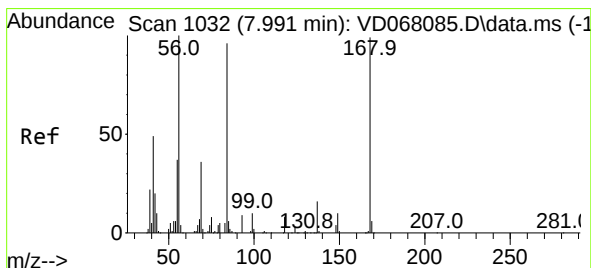
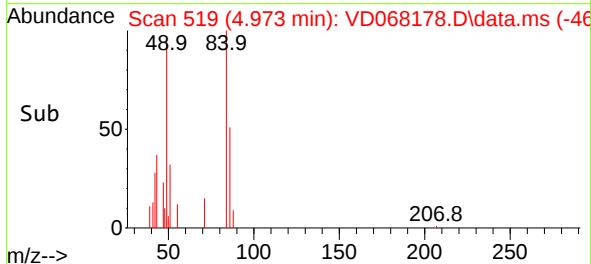
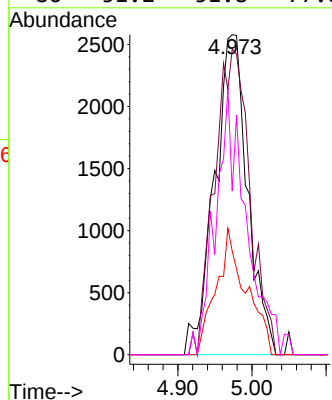
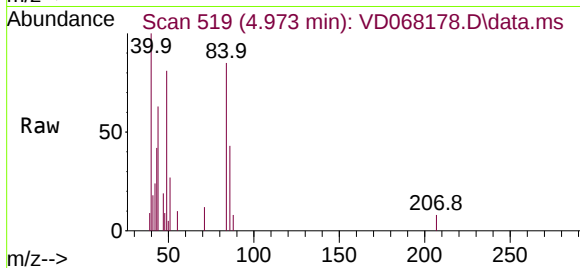




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

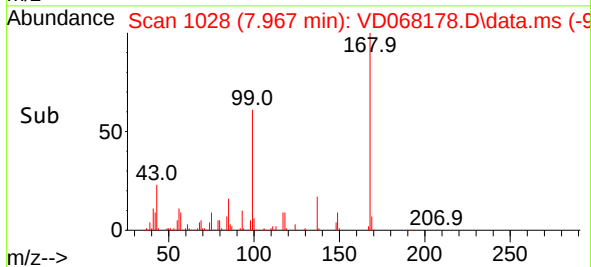
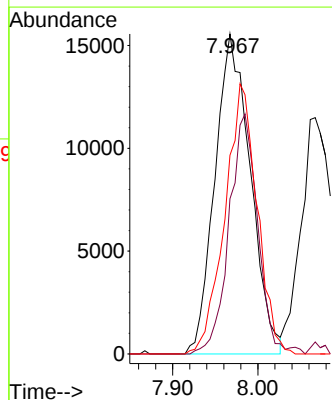
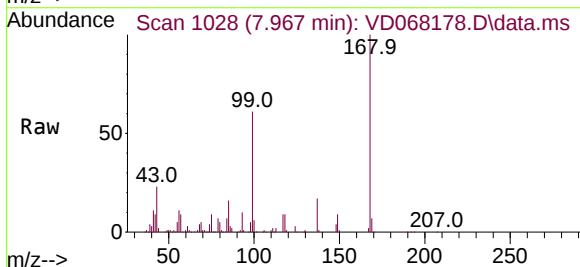
Instrument :
MSVOA_D
ClientSampleId :

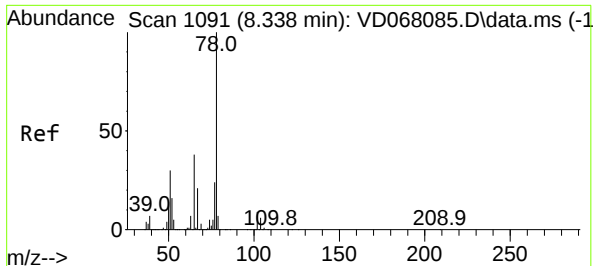
Tgt Ion:	84	Resp:	8016
Ion	Ratio	Lower	Upper
84	100		
49	95.4	77.4	116.2
51	32.4	26.1	39.1
86	51.2	51.8	77.8#



#31
Cyclohexane
Concen: 3.44 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.023 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

Tgt Ion:	56	Resp:	44995
Ion	Ratio	Lower	Upper
56	100		
69	48.5	30.1	45.1#
84	62.1	82.1	123.1#

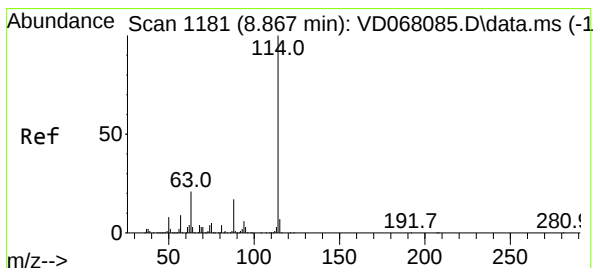
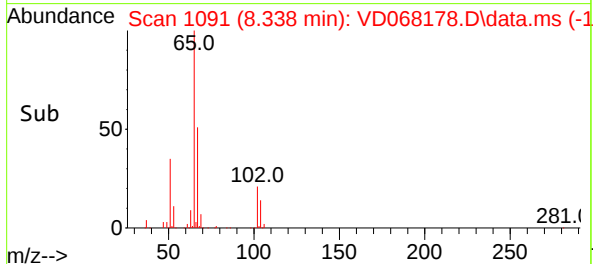
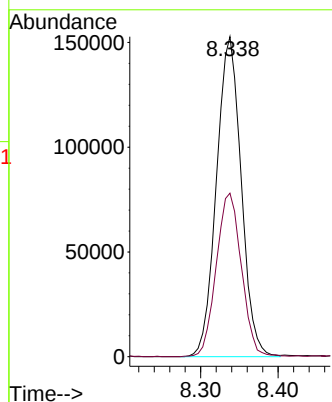
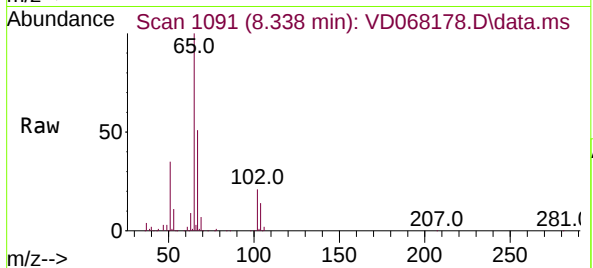




#33
 1,2-Dichloroethane-d4
 Concen: 56.10 ug/l
 RT: 8.338 min Scan# 1091
 Delta R.T. 0.000 min
 Lab File: VD068178.D
 Acq: 25 Jan 2021 20:01

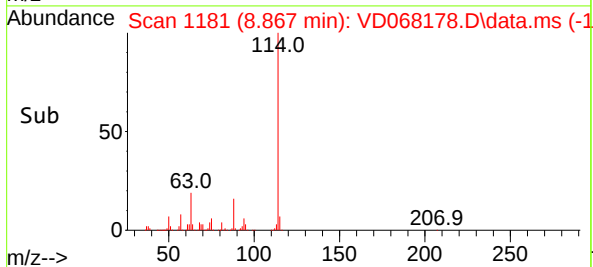
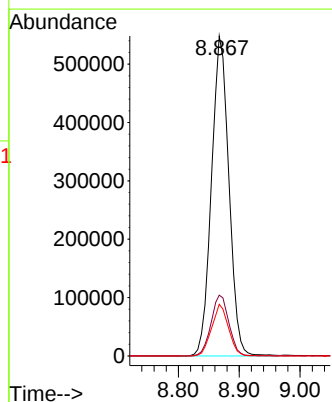
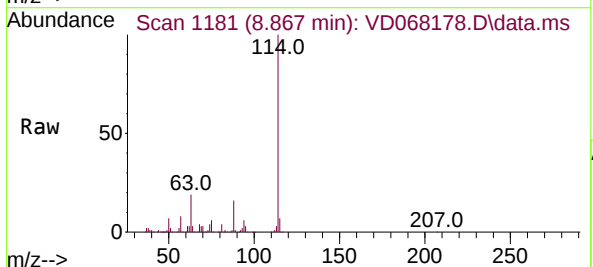
Instrument :
 MSVOA_D
 ClientSampled :

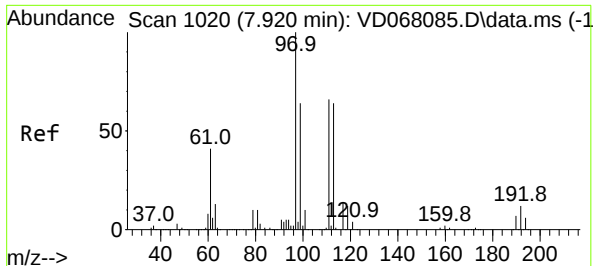
Tgt Ion: 65 Resp: 339211
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD068178.D
 Acq: 25 Jan 2021 20:01

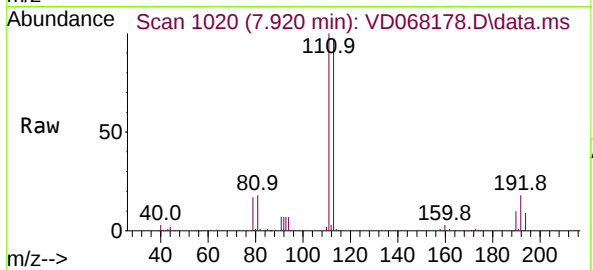
Tgt Ion: 114 Resp: 1089924
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 34.8
 88 16.2 0.0 31.6



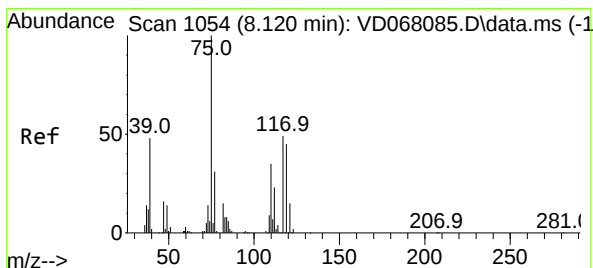
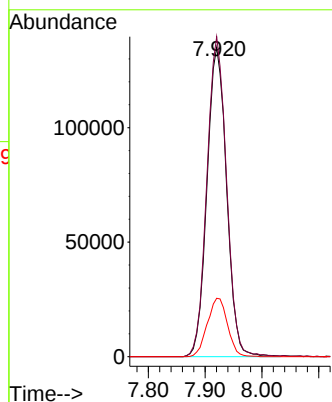
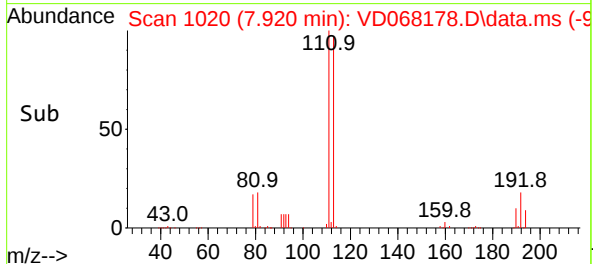


#35
Dibromofluoromethane
Concen: 53.67 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

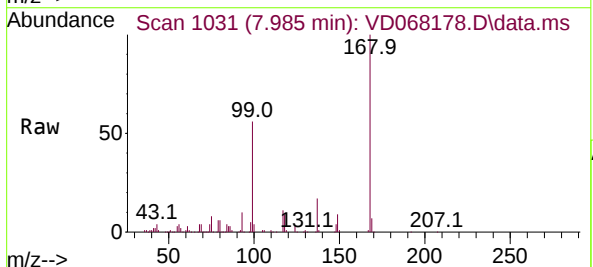
Instrument :
MSVOA_D
ClientSampled :



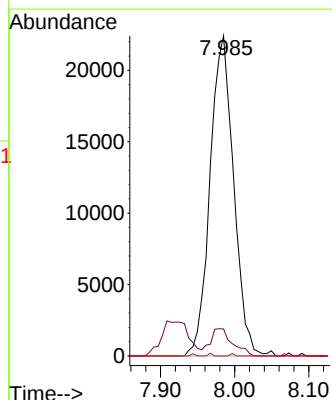
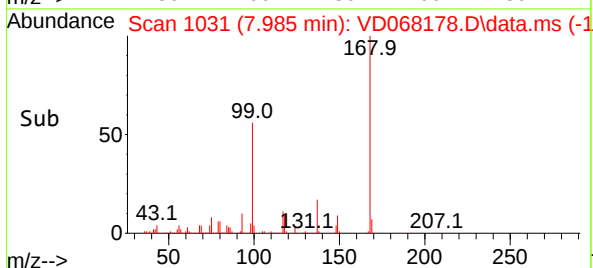
Tgt Ion:113 Resp: 323382
Ion Ratio Lower Upper
113 100
111 103.6 81.4 122.0
192 19.4 16.1 24.1

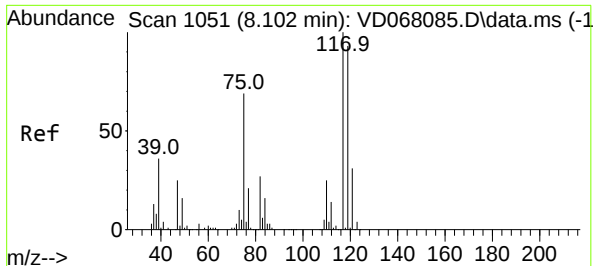


#36
1,1-Dichloropropene
Concen: 4.51 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01



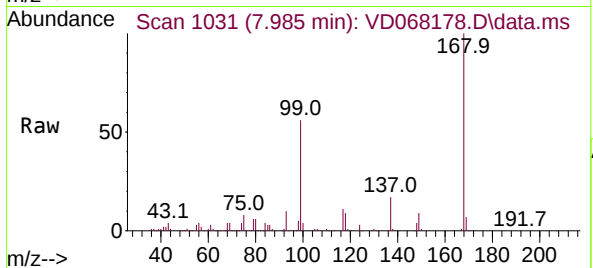
Tgt Ion: 75 Resp: 49621
Ion Ratio Lower Upper
75 100
110 7.9 19.4 58.2#
77 0.1 25.3 37.9#



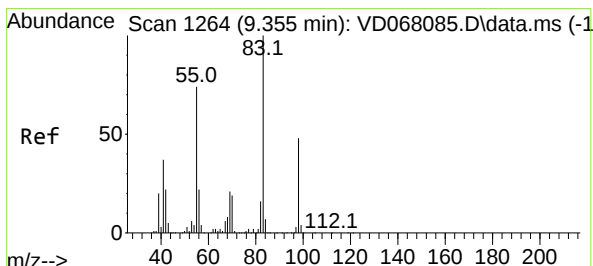
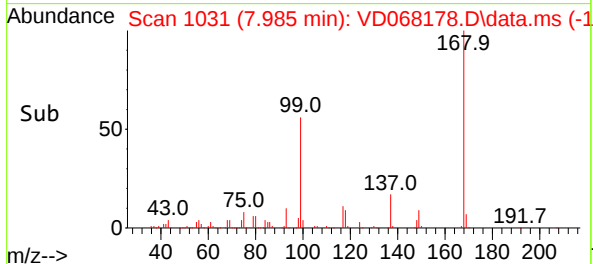
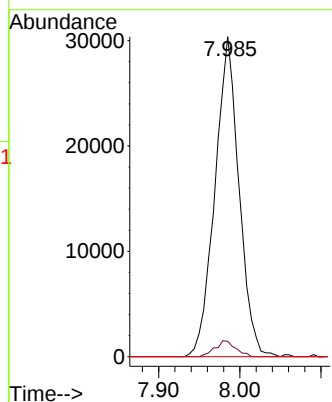


#38
Carbon Tetrachloride
Concen: 6.08 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

Instrument :
MSVOA_D
ClientSampled :

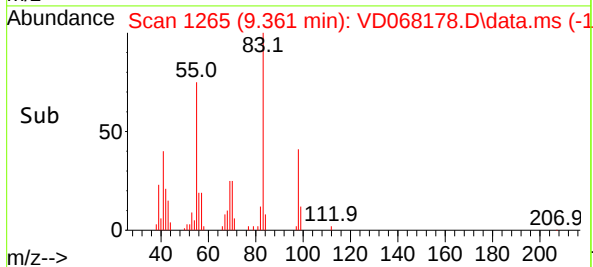
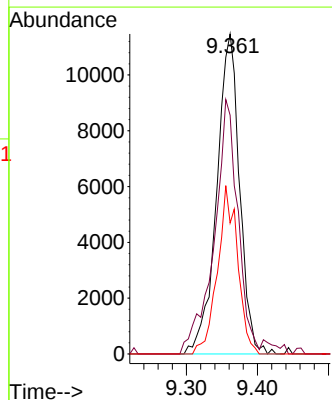
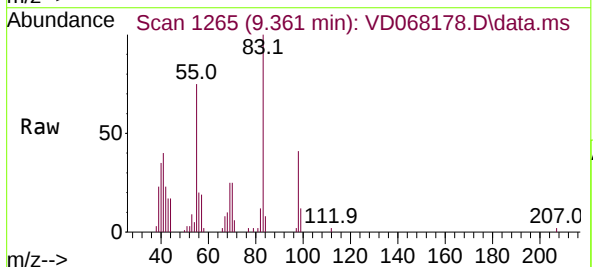


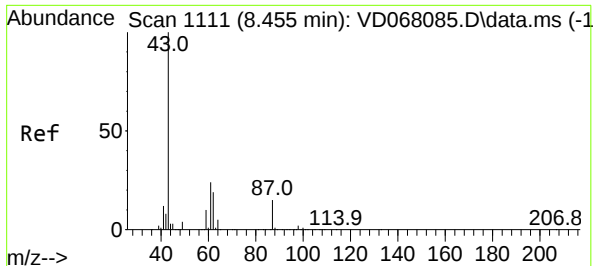
Tgt Ion:117 Resp: 62595
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 1.78 ug/l
RT: 9.361 min Scan# 1265
Delta R.T. 0.006 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

Tgt Ion: 83 Resp: 25632
Ion Ratio Lower Upper
83 100
55 74.6 55.2 82.8
98 40.9 39.1 58.7

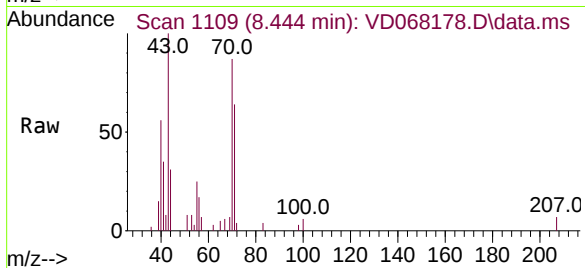




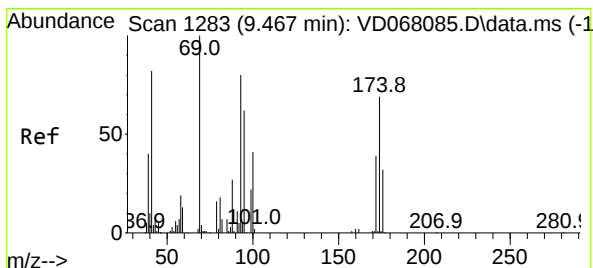
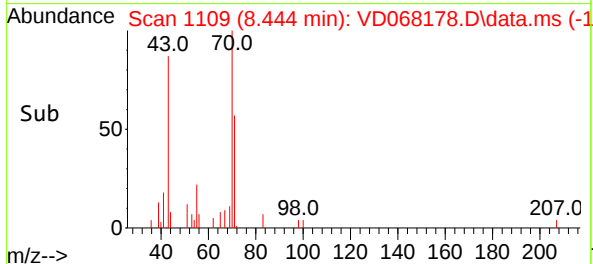
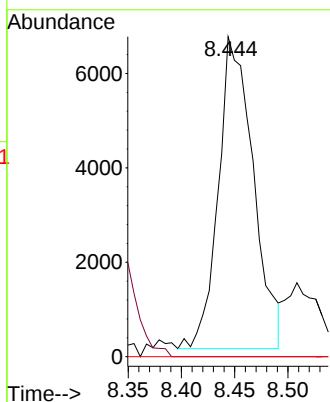
#43

Isopropyl Acetate
Concen: 1.86 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. -0.011 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

Instrument :
MSVOA_D
ClientSampled :

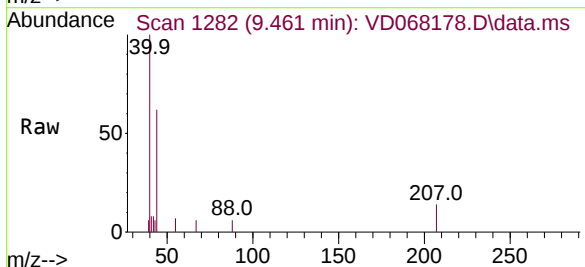


Tgt Ion: 43	Resp: 15108
Ion Ratio	Lower Upper
43	100
61	0.0 28.7 43.1#
87	0.0 13.9 20.9#

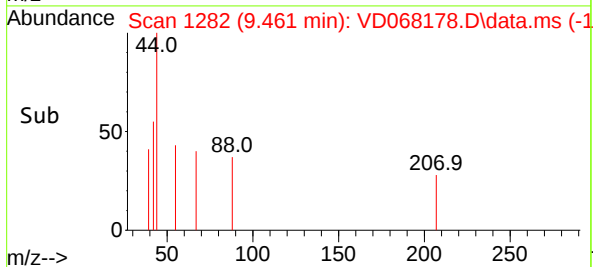
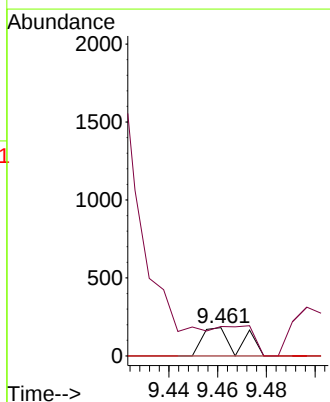


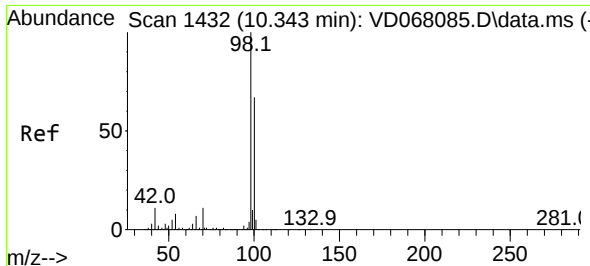
#49

1,4-Dioxane
Concen: 4.07 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. -0.006 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01



Tgt Ion: 88	Resp: 182
Ion Ratio	Lower Upper
88	100
43	0.0 22.1 33.1#
58	0.0 46.7 70.1#

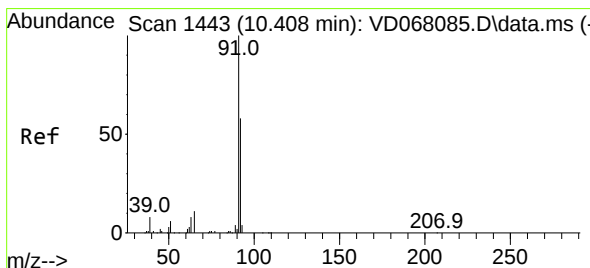
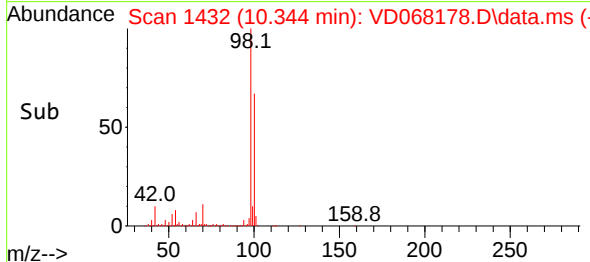
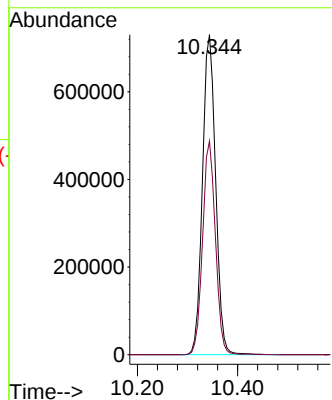
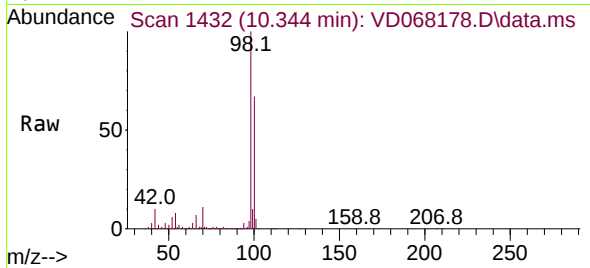




#50
Toluene-d8
Concen: 55.14 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

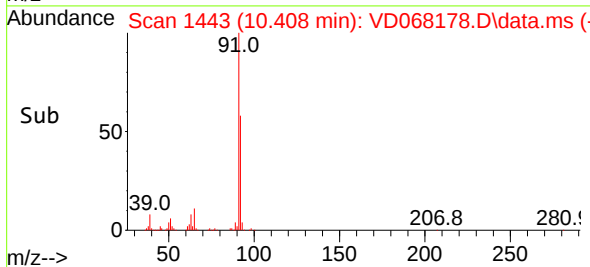
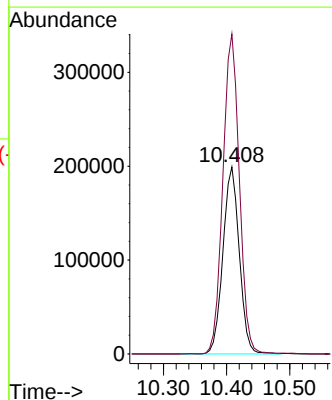
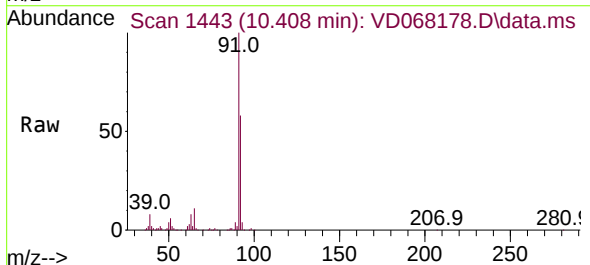
Instrument :
MSVOA_D
ClientSampled :

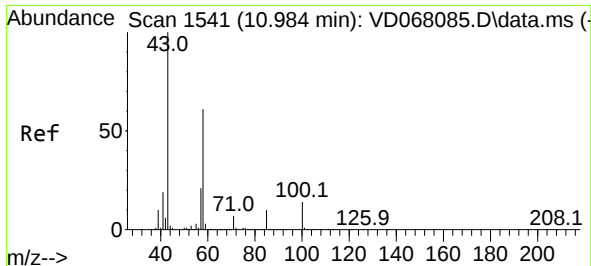
Tgt Ion: 98 Resp: 1329019
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4



#52
Toluene
Concen: 17.91 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

Tgt Ion: 92 Resp: 358583
Ion Ratio Lower Upper
92 100
91 172.8 134.1 201.1

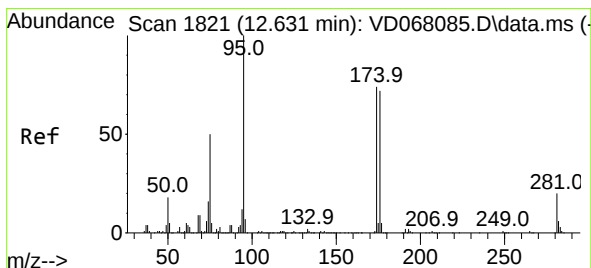
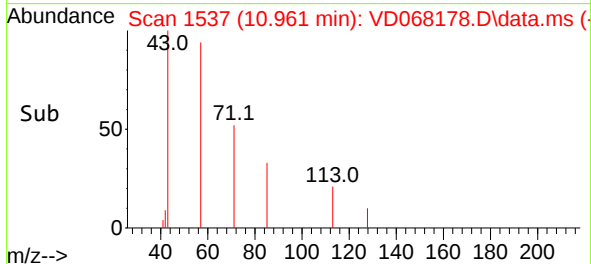
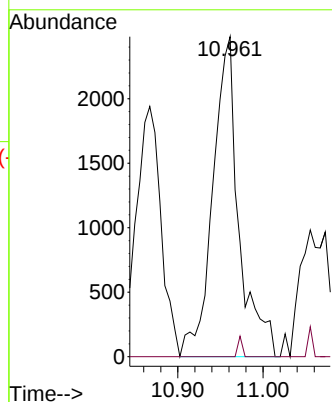
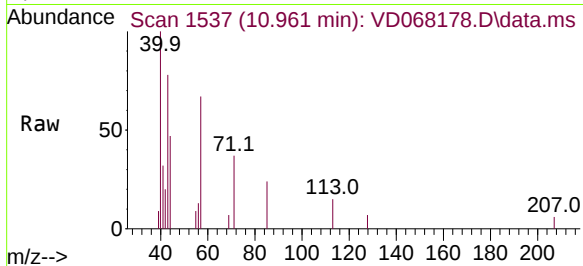




#59
2-Hexanone
Concen: 2.02 ug/l
RT: 10.961 min Scan# 1537
Delta R.T. -0.023 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

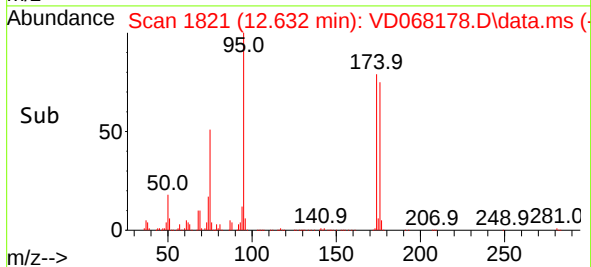
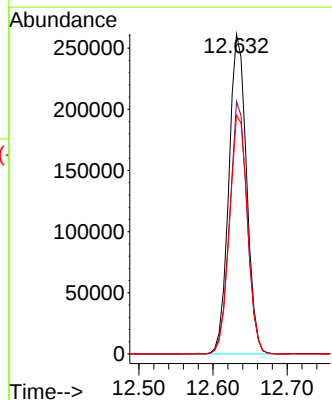
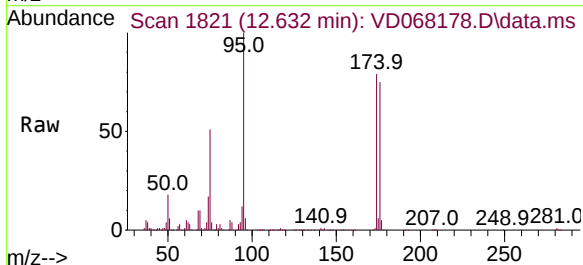
Instrument :
MSVOA_D
ClientSampled :

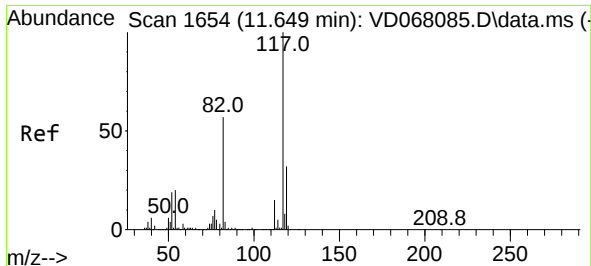
Tgt Ion: 43 Resp: 5285
Ion Ratio Lower Upper
43 100
58 1.1 31.0 93.0#



#62
4-Bromofluorobenzene
Concen: 49.86 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

Tgt Ion: 95 Resp: 432802
Ion Ratio Lower Upper
95 100
174 77.9 0.0 172.4
176 75.9 0.0 168.4

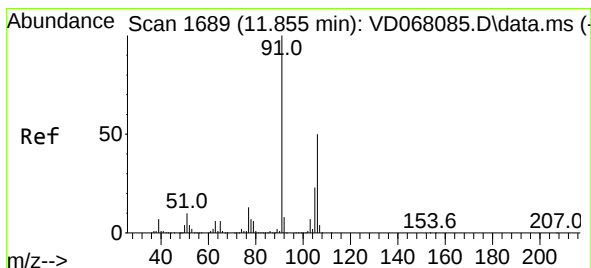
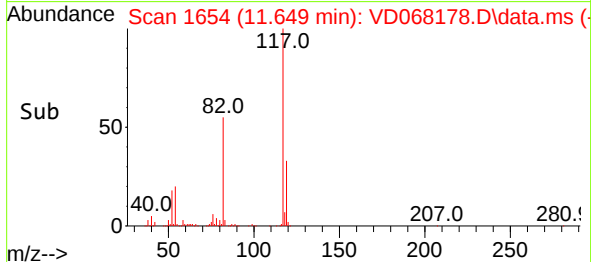
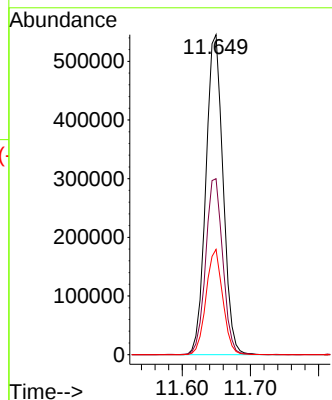
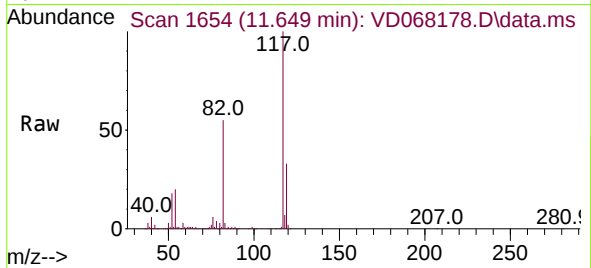




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

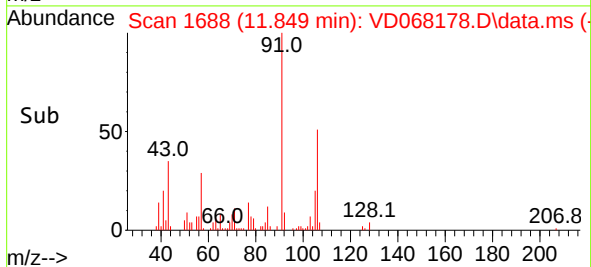
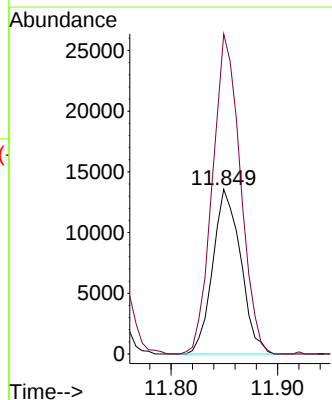
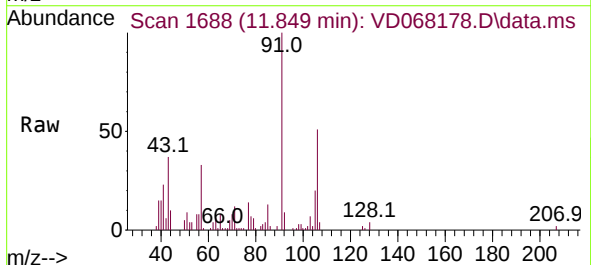
Instrument :
MSVOA_D
ClientSampleId :

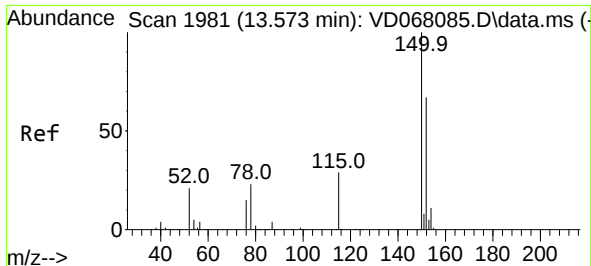
Tgt Ion:117 Resp: 955682
Ion Ratio Lower Upper
117 100
82 54.9 41.4 62.0
119 32.9 26.1 39.1



#68
m/p-Xylenes
Concen: 1.74 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

Tgt Ion:106 Resp: 24692
Ion Ratio Lower Upper
106 100
91 194.0 159.1 238.7

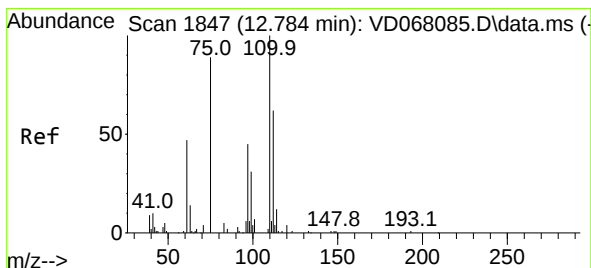
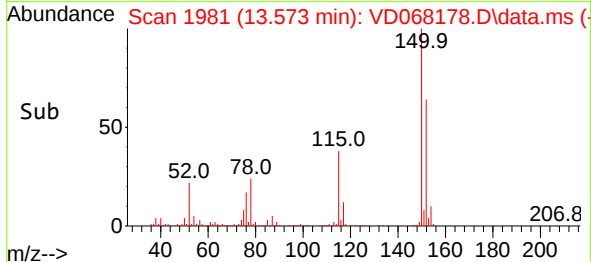
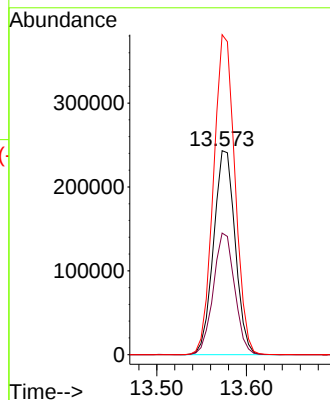
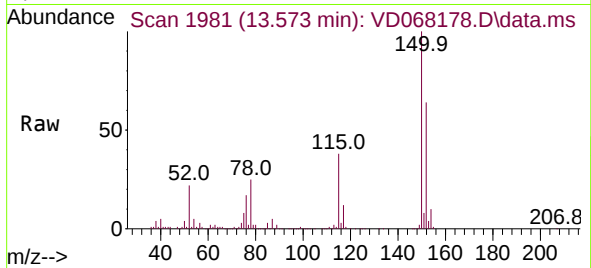




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

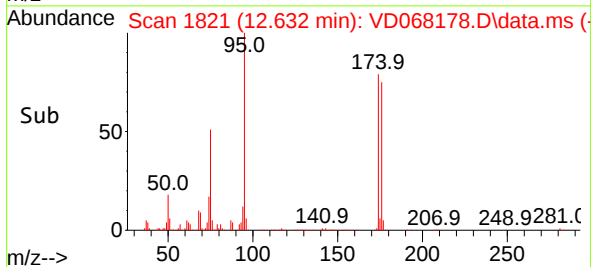
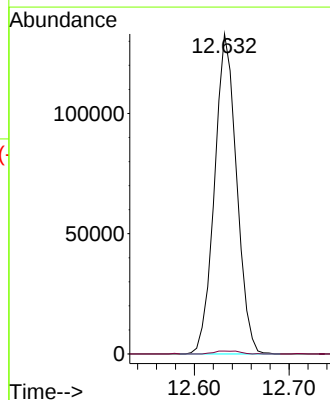
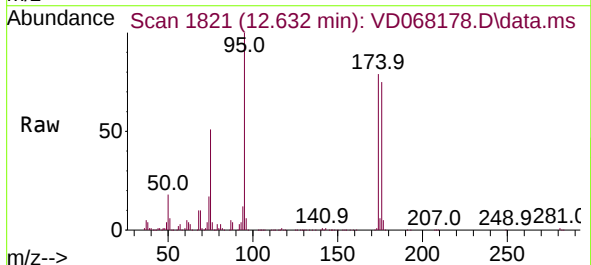
Instrument :
MSVOA_D
ClientSampleId :

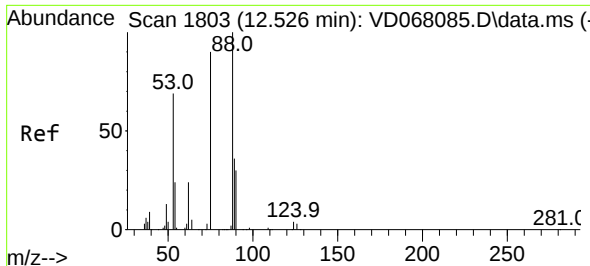
Tgt Ion:152 Resp: 406782
Ion Ratio Lower Upper
152 100
115 59.0 28.9 86.8
150 156.0 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 54.82 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

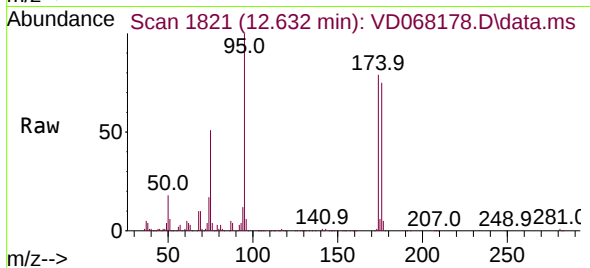
Tgt Ion: 75 Resp: 215602
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



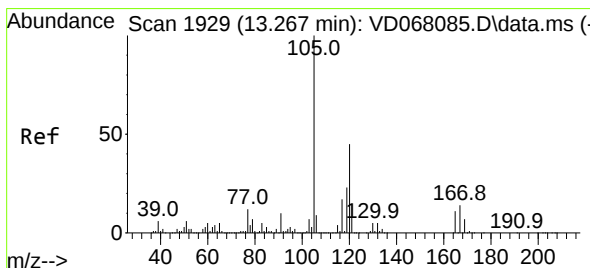
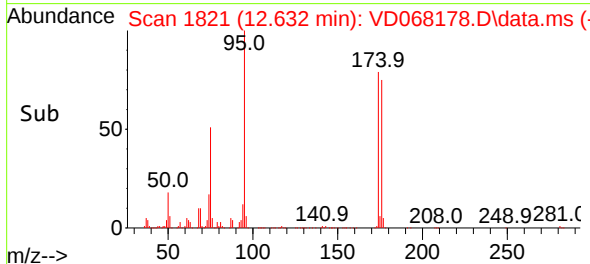
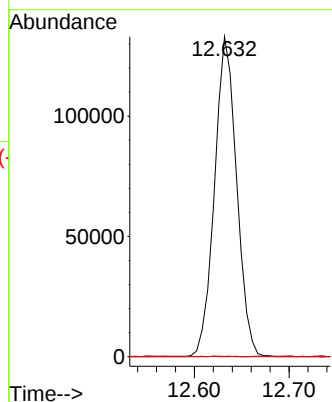


#81
trans-1,4-Dichloro-2-butene
Concen: 110.92 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

Instrument :
MSVOA_D
ClientSampleId :

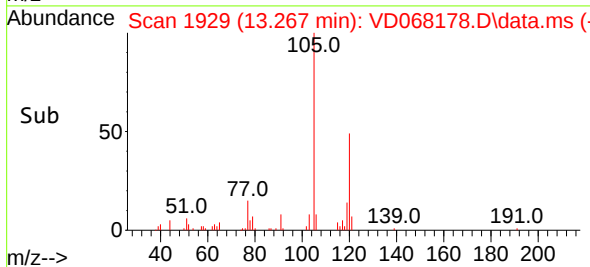
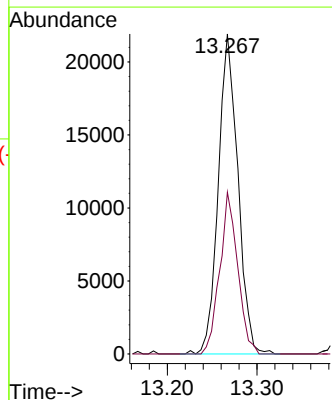
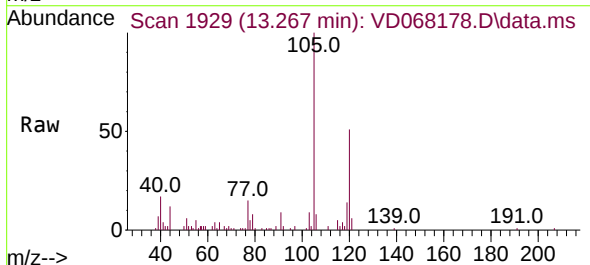


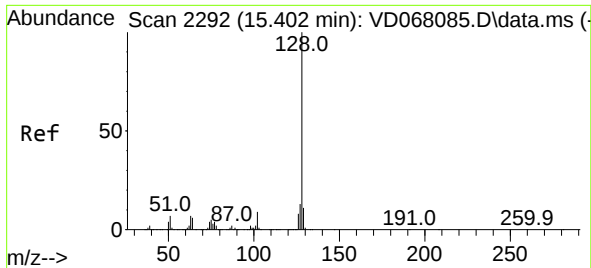
Tgt Ion: 75 Resp: 215602
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#



#84
1,2,4-Trimethylbenzene
Concen: 1.19 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

Tgt Ion: 105 Resp: 33203
Ion Ratio Lower Upper
105 100
120 46.4 22.4 67.0





#95
Naphthalene
Concen: 7.20 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VD068178.D
Acq: 25 Jan 2021 20:01

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 110665
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 11.2 8.8 13.2

