

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068177.D
 Acq On : 25 Jan 2021 19:34
 Operator : VA/SY
 Sample : M1228-01
 Misc : 6.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 26 00:10:51 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)

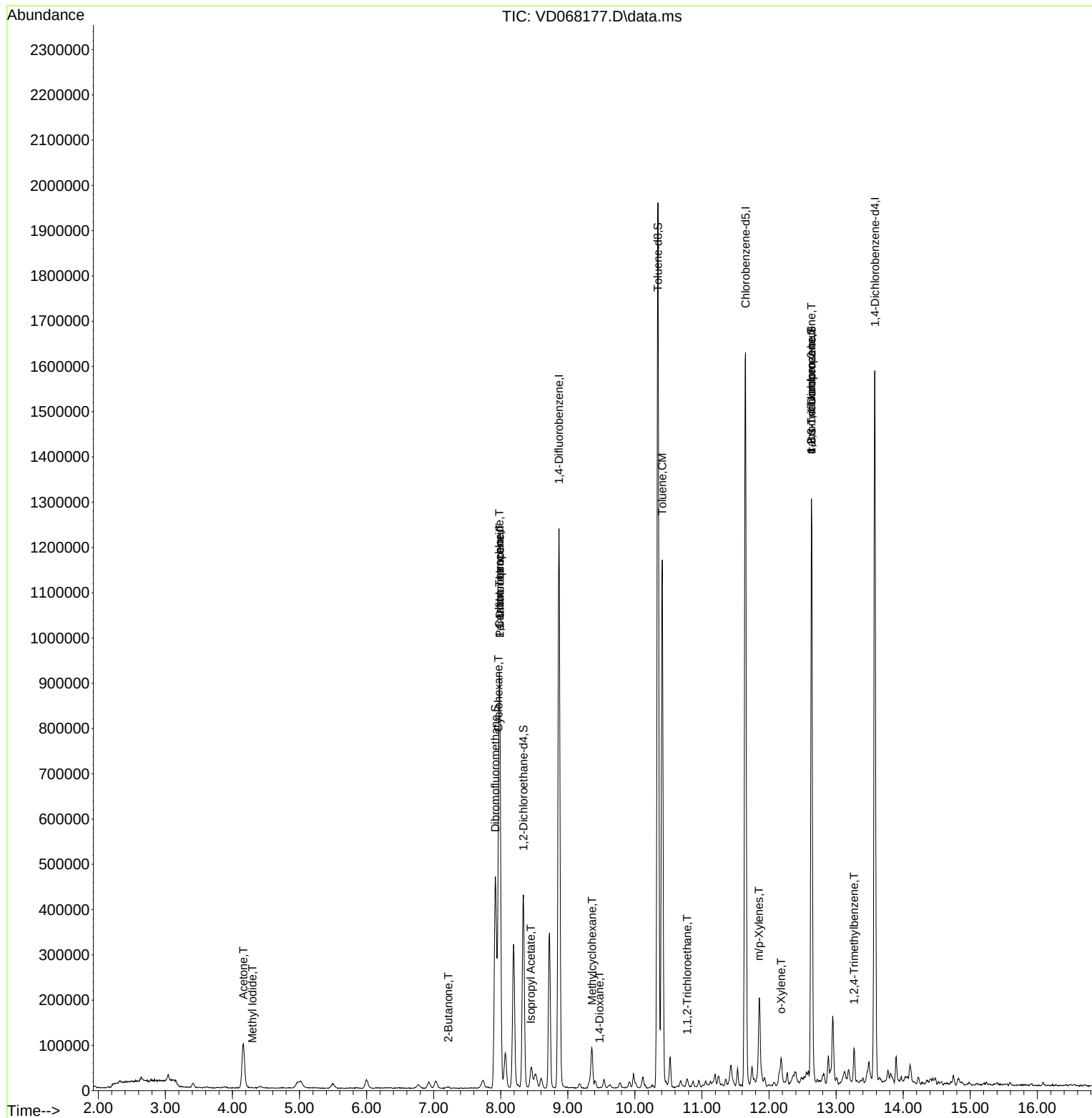
Internal Standards						
1) Pentafluorobenzene	7.985	168	646041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1127021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	985997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	440475	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	344685	55.77	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.54%			
35) Dibromofluoromethane	7.920	113	333613	53.54	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.08%			
50) Toluene-d8	10.344	98	1361161	54.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.22%			
62) 4-Bromofluorobenzene	12.632	95	449844	50.12	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.24%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.297	142	92	3.17	ug/l #	38
11) Tert butyl alcohol	5.197	59	299	Below Cal	#	74
16) Acetone	4.162	43	173108	156.87	ug/l	95
20) Methylene Chloride	4.973	84	8040	Below Cal		91
25) 2-Butanone	7.220	43	2861	1.72	ug/l #	79
31) Cyclohexane	7.967	56	60579	4.53	ug/l #	64
36) 1,1-Dichloropropene	7.985	75	50102	4.41	ug/l #	48
38) Carbon Tetrachloride	7.979	117	64467	6.06	ug/l #	15
39) Methylcyclohexane	9.361	83	37560	2.53	ug/l	97
43) Isopropyl Acetate	8.450	43	23444	2.80	ug/l #	46
49) 1,4-Dioxane	9.473	88	129	2.79	ug/l #	79
52) Toluene	10.408	92	528936	25.55	ug/l	98
55) 1,1,2-Trichloroethane	10.779	97	8502	1.52	ug/l #	22
68) m/p-Xylenes	11.849	106	34113	2.33	ug/l	94
69) o-Xylene	12.179	106	13963	1.03	ug/l	95
76) 1,2,3-Trichloropropane	12.632	75	226344	53.15	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	226344	107.54	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.267	105	43709	1.44	ug/l	99

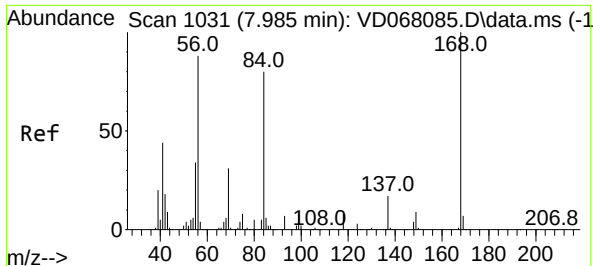
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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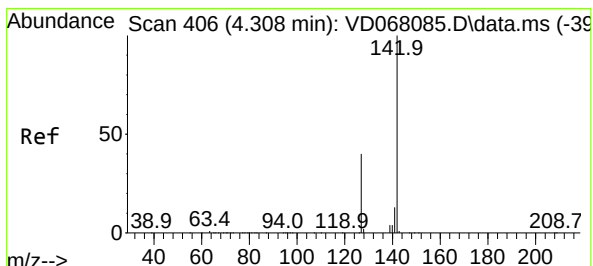
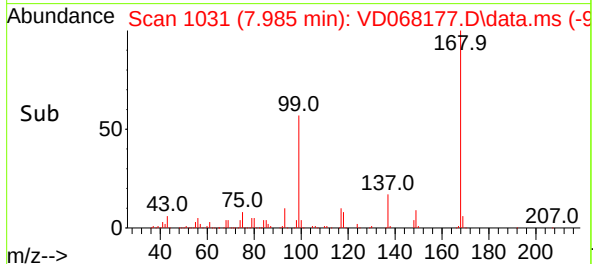
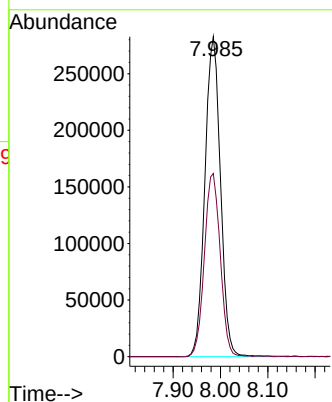
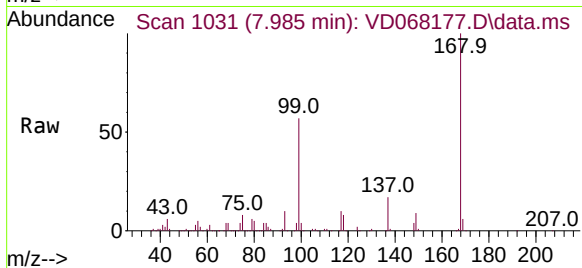




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

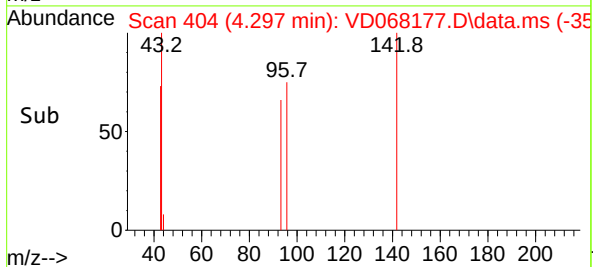
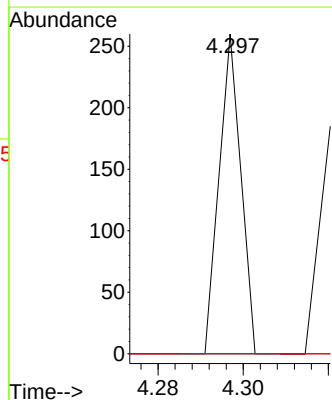
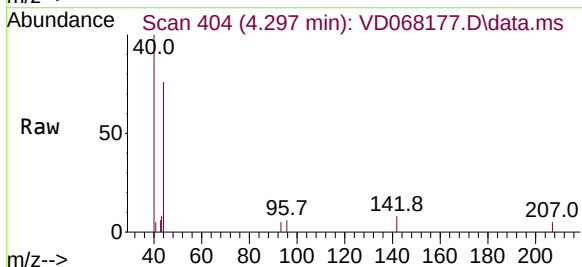
Instrument :
MSVOA_D
ClientSampleId :

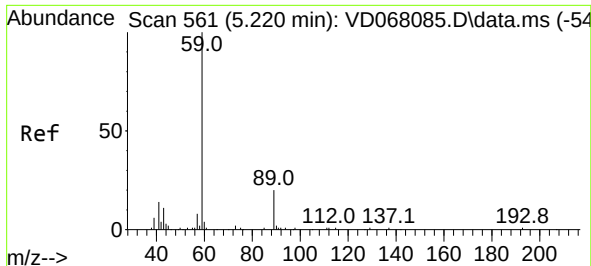
Tgt Ion:168 Resp: 646041
Ion Ratio Lower Upper
168 100
99 57.2 43.5 65.3



#10
Methyl Iodide
Concen: 3.17 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.011 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

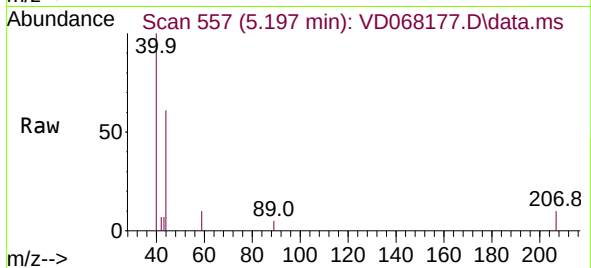
Tgt Ion:142 Resp: 92
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#



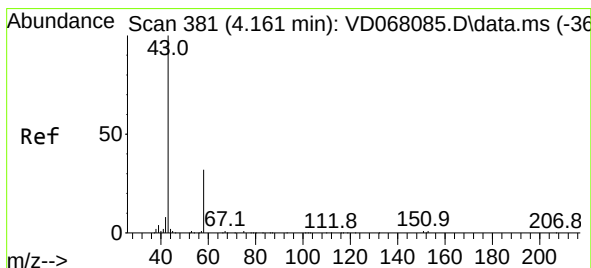
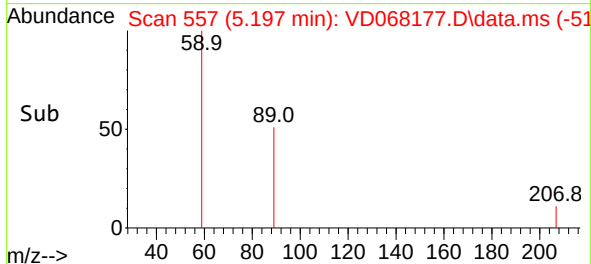
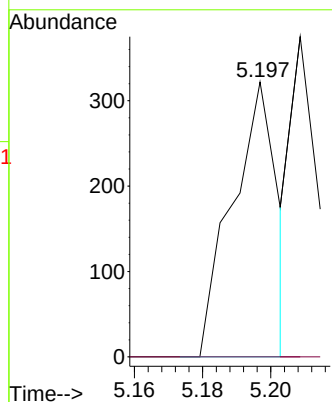


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 557
Delta R.T. -0.023 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

Instrument :
MSVOA_D
ClientSampled :

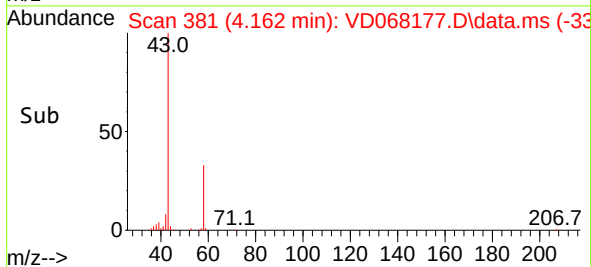
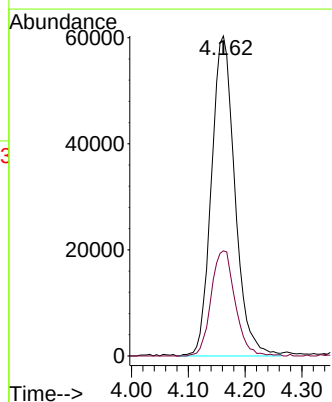
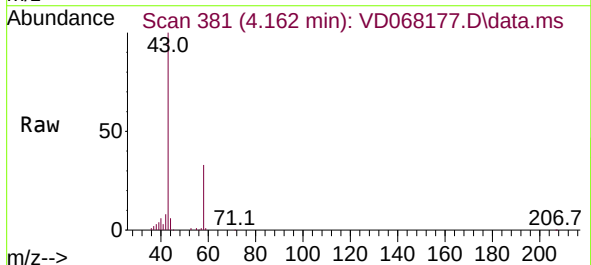


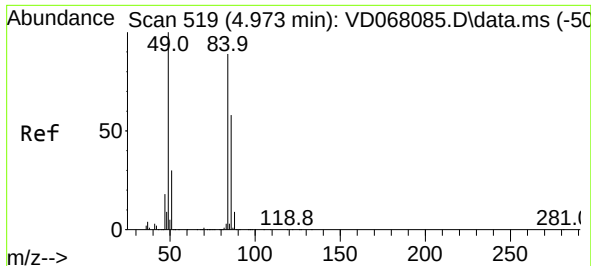
Tgt Ion: 59 Resp: 299
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 156.87 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

Tgt Ion: 43 Resp: 173108
Ion Ratio Lower Upper
43 100
58 32.8 24.2 36.4





#20

Methylene Chloride

Concen: Below Cal

RT: 4.973 min Scan# 519

Delta R.T. 0.000 min

Lab File: VD068177.D

Acq: 25 Jan 2021 19:34

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 84 Resp: 8040

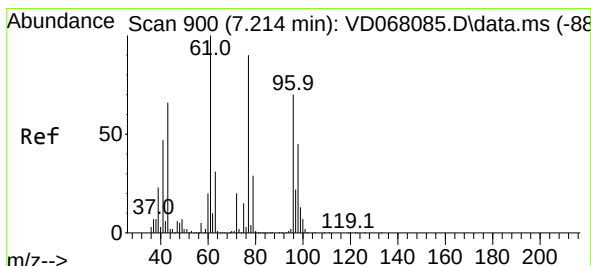
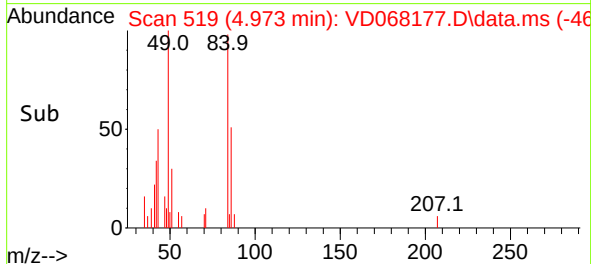
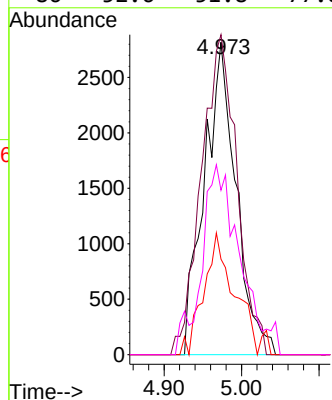
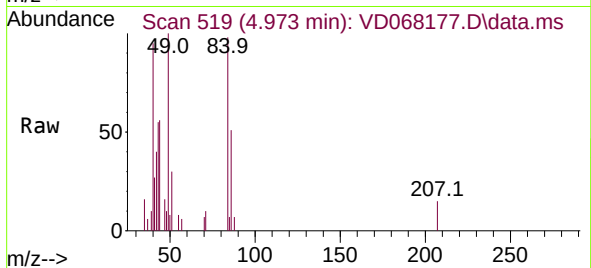
Ion Ratio Lower Upper

84 100

49 102.4 77.4 116.2

51 30.6 26.1 39.1

86 52.6 51.8 77.8



#25

2-Butanone

Concen: 1.72 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.006 min

Lab File: VD068177.D

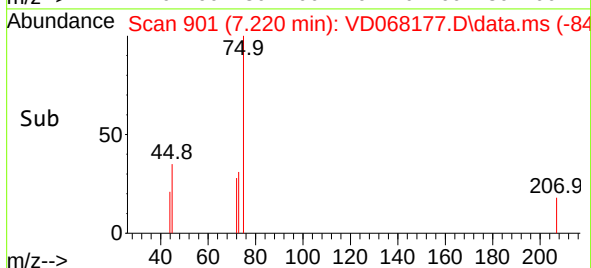
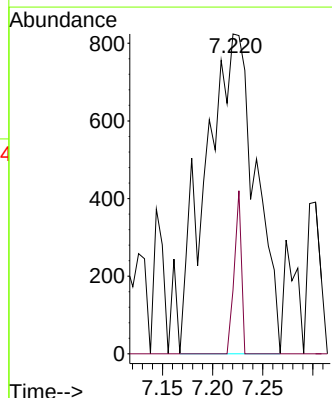
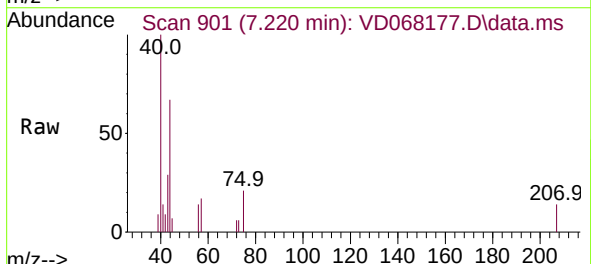
Acq: 25 Jan 2021 19:34

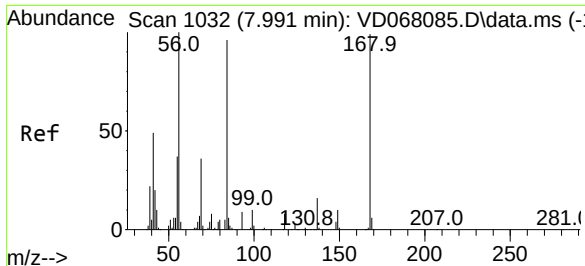
Tgt Ion: 43 Resp: 2861

Ion Ratio Lower Upper

43 100

72 19.9 25.1 37.7#

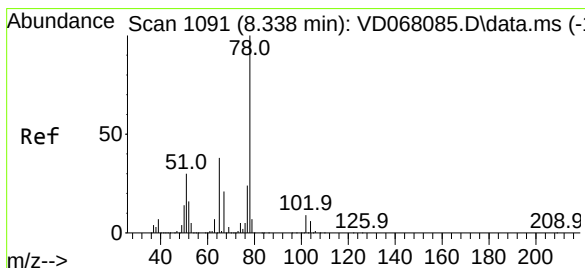
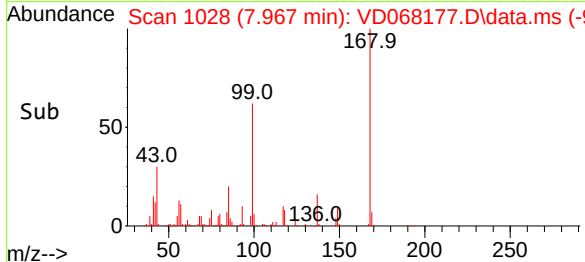
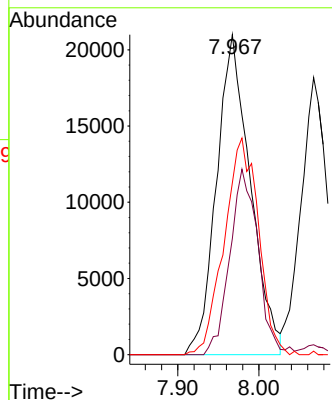
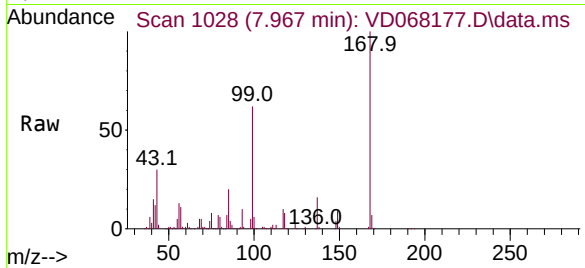




#31
Cyclohexane
Concen: 4.53 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.023 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

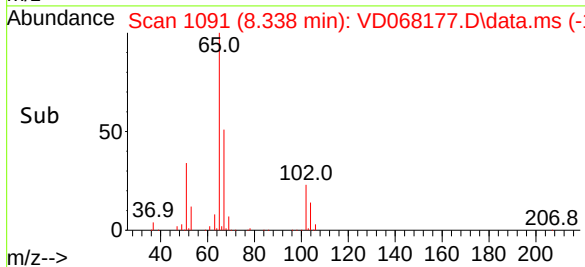
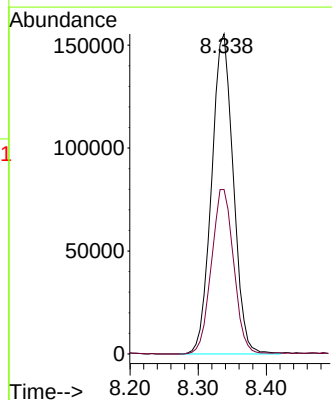
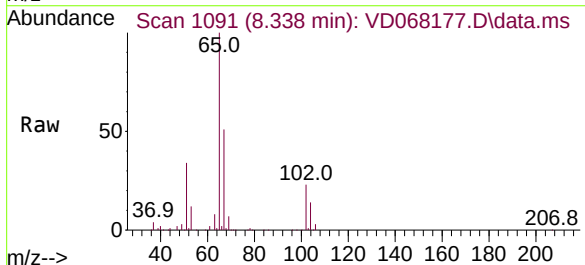
Instrument :
MSVOA_D
ClientSampled :

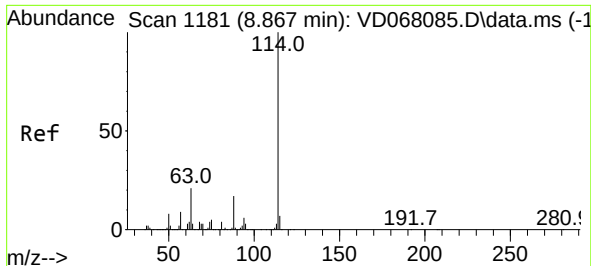
Tgt Ion: 56 Resp: 60579
Ion Ratio Lower Upper
56 100
69 36.3 30.1 45.1
84 53.7 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 55.77 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

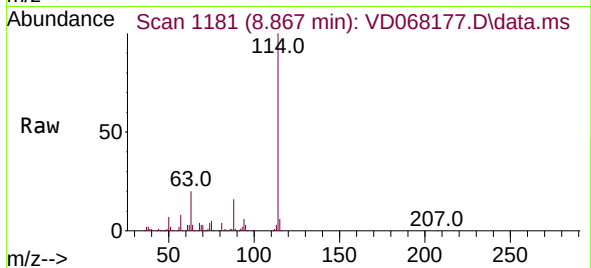
Tgt Ion: 65 Resp: 344685
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.0



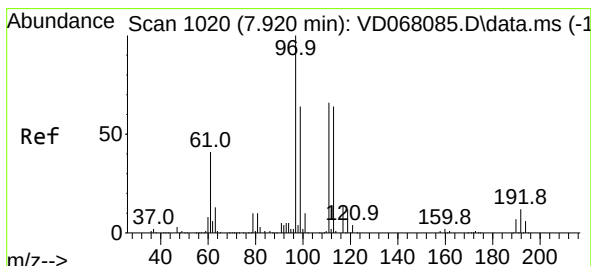
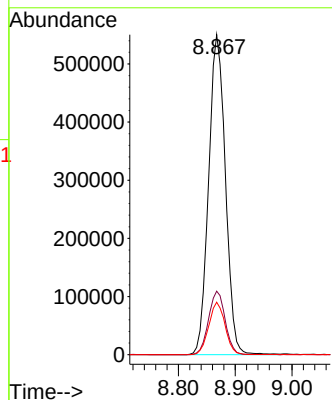
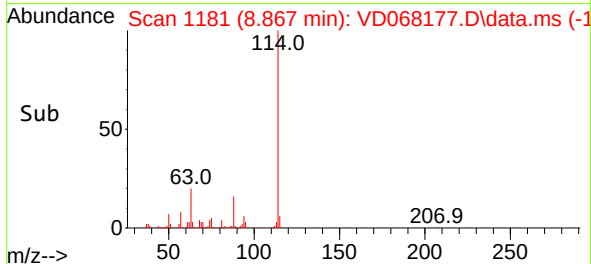


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

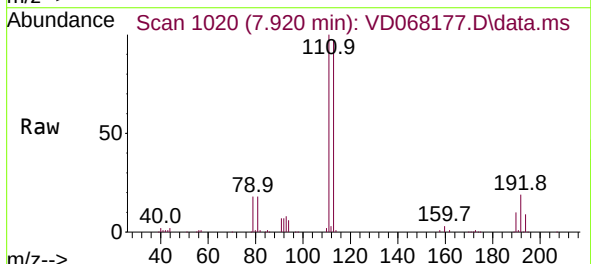
Instrument :
MSVOA_D
ClientSampled :



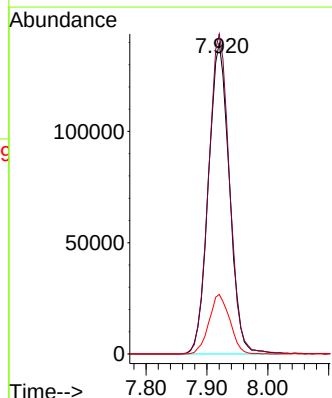
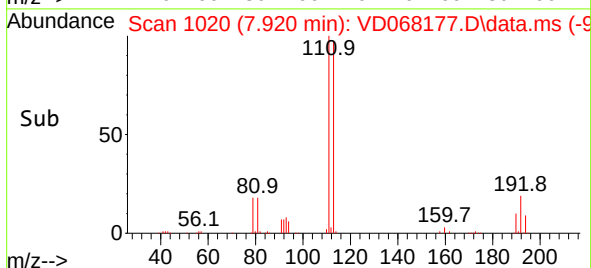
Tgt Ion:114 Resp: 1127021
Ion Ratio Lower Upper
114 100
63 19.9 0.0 34.8
88 16.4 0.0 31.6

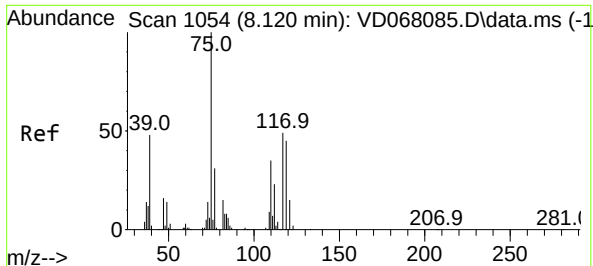


#35
Dibromofluoromethane
Concen: 53.54 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34



Tgt Ion:113 Resp: 333613
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.0
192 19.0 16.1 24.1

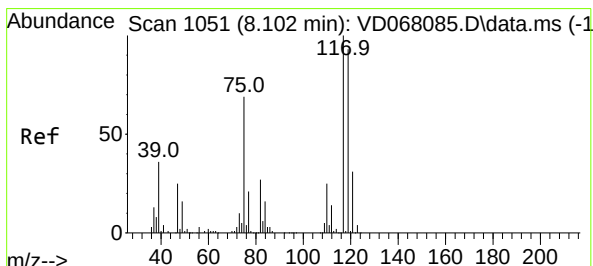
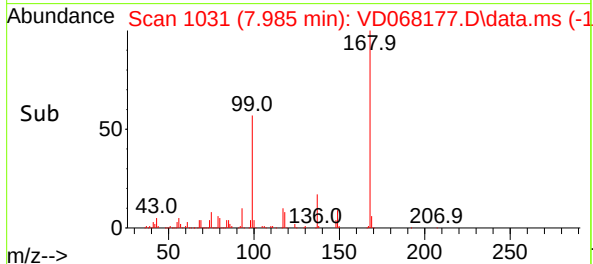
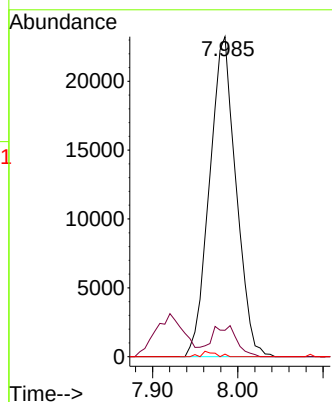
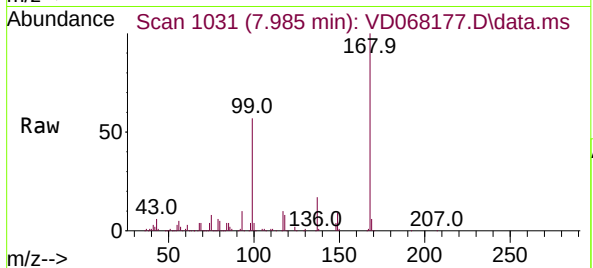




#36
1,1-Dichloropropene
Concen: 4.41 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

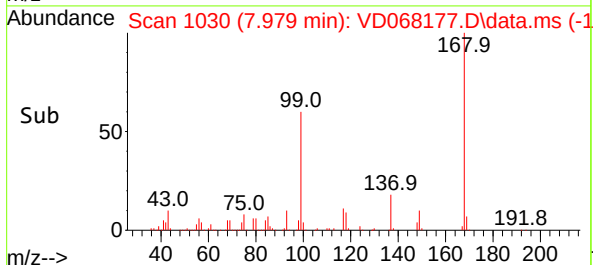
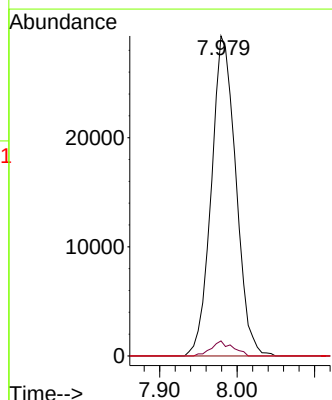
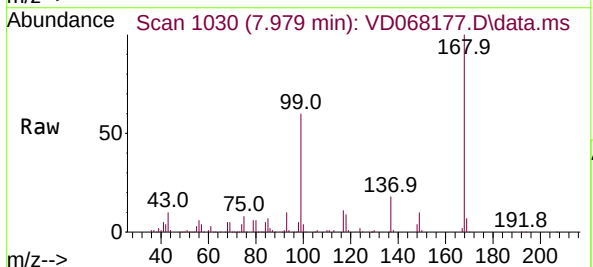
Instrument :
MSVOA_D
ClientSampled :

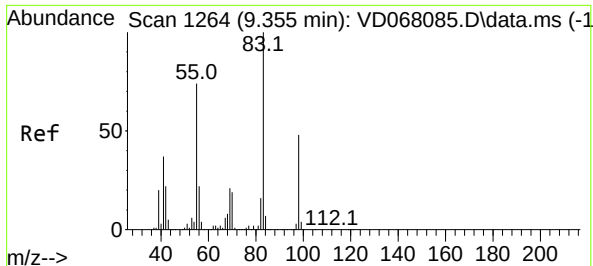
Tgt Ion: 75 Resp: 50102
Ion Ratio Lower Upper
75 100
110 9.2 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.06 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

Tgt Ion: 117 Resp: 64467
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 2.53 ug/l

RT: 9.361 min Scan# 1265

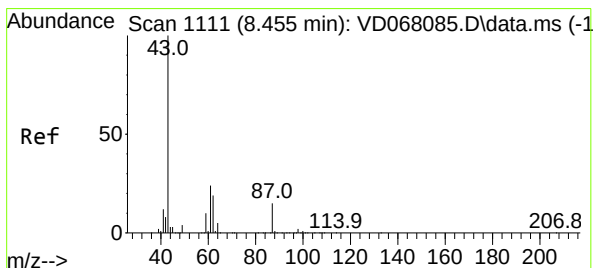
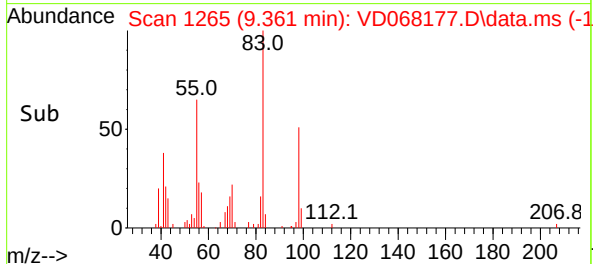
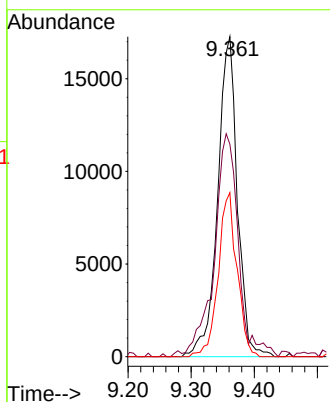
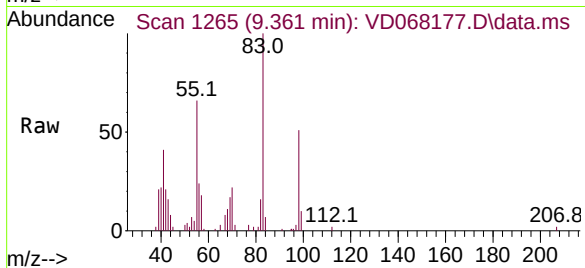
Delta R.T. 0.006 min

Lab File: VD068177.D

Acq: 25 Jan 2021 19:34

Tgt Ion:	83	Resp:	37560
Ion	Ratio	Lower	Upper
83	100		
55	66.4	55.2	82.8
98	51.3	39.1	58.7

Instrument :
MSVOA_D
ClientSampled :



#43

Isopropyl Acetate

Concen: 2.80 ug/l

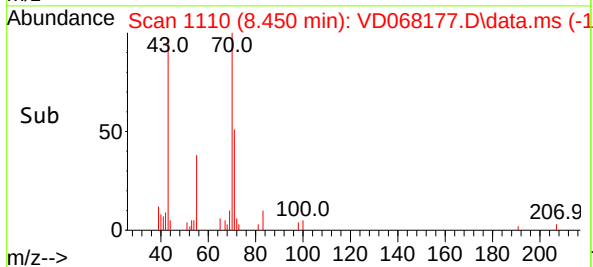
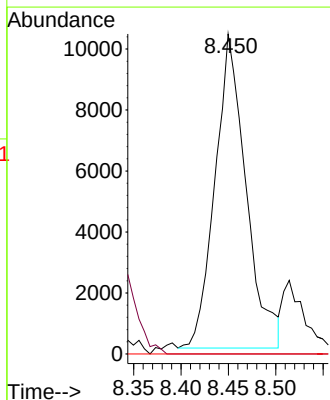
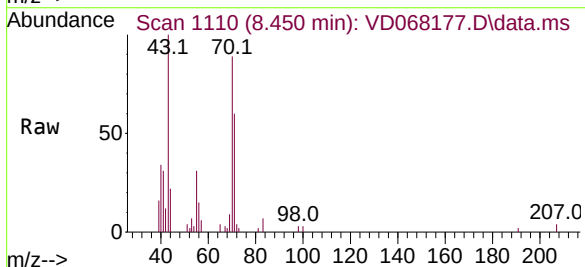
RT: 8.450 min Scan# 1110

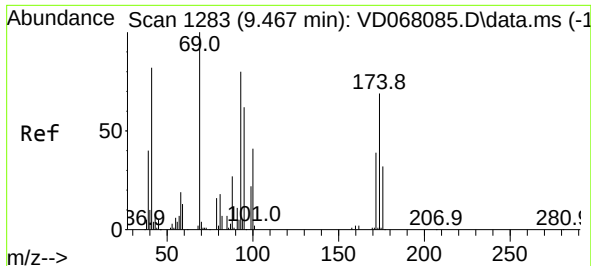
Delta R.T. -0.006 min

Lab File: VD068177.D

Acq: 25 Jan 2021 19:34

Tgt Ion:	43	Resp:	23444
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.7	43.1#
87	0.0	13.9	20.9#

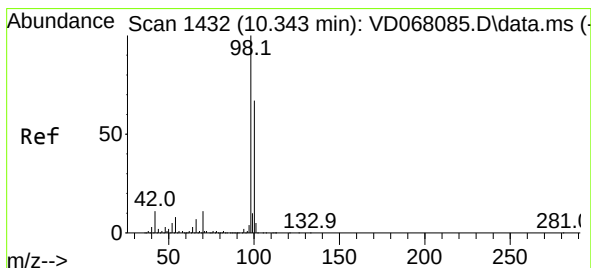
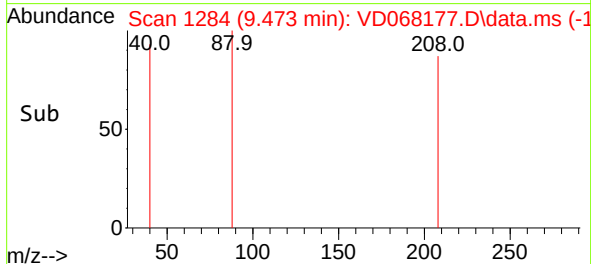
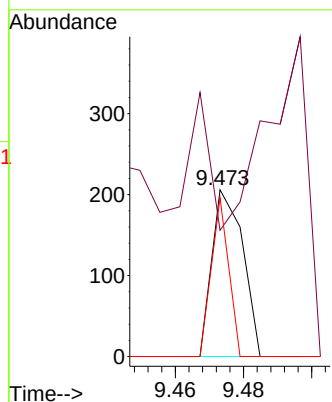
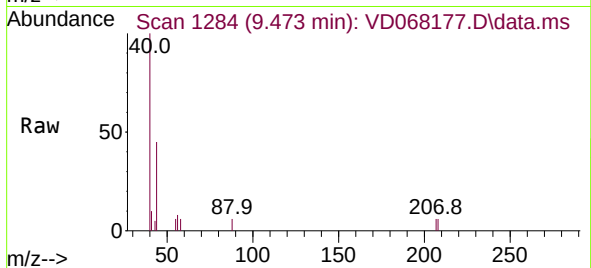




#49
1,4-Dioxane
Concen: 2.79 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.006 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

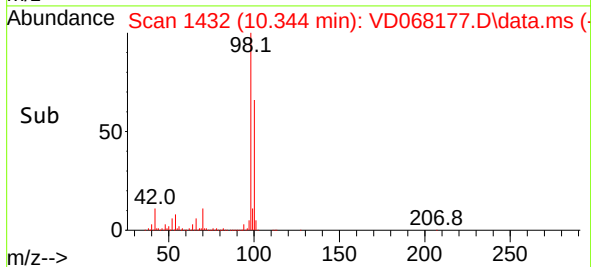
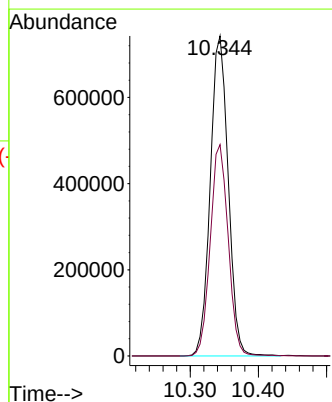
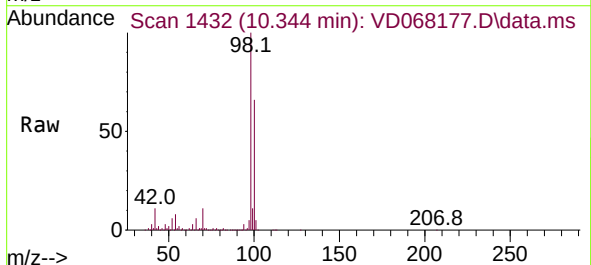
Instrument :
MSVOA_D
ClientSampled :

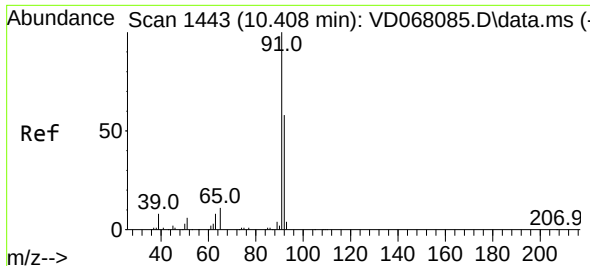
Tgt Ion: 88 Resp: 129
Ion Ratio Lower Upper
88 100
43 0.0 22.1 33.1#
58 53.5 46.7 70.1



#50
Toluene-d8
Concen: 54.61 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

Tgt Ion: 98 Resp: 1361161
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4

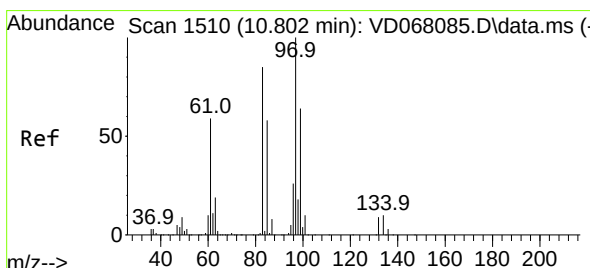
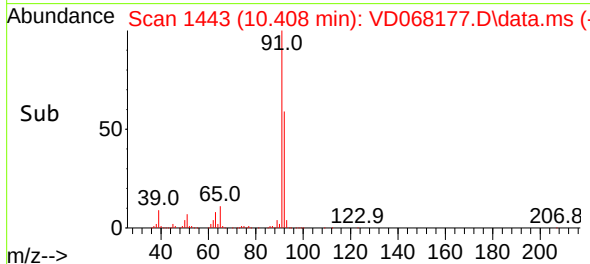
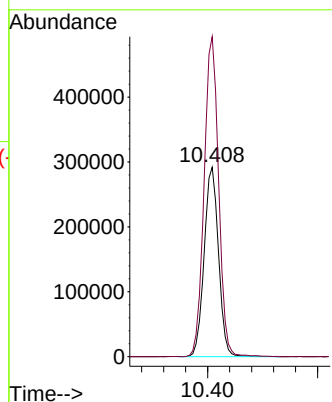
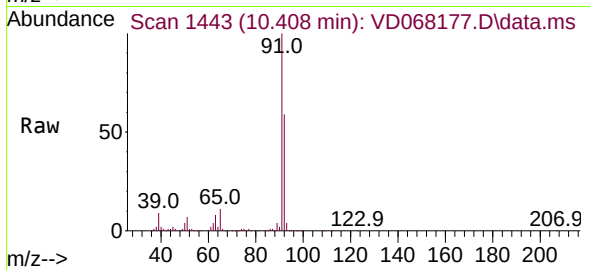




#52
Toluene
Concen: 25.55 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

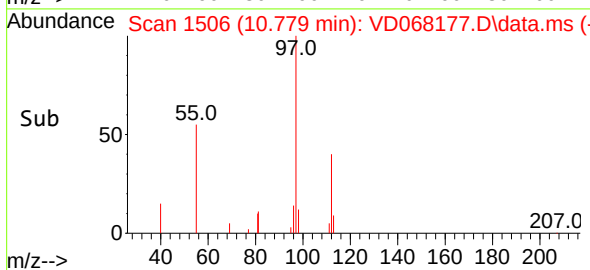
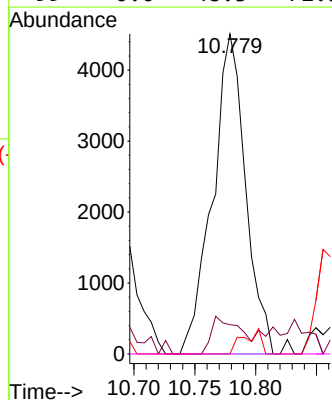
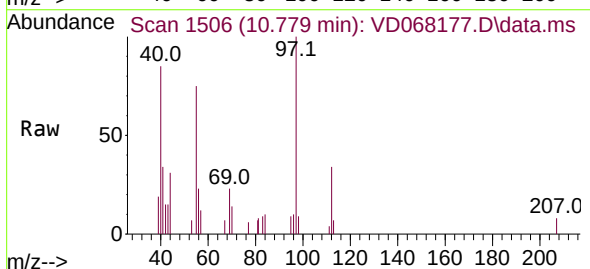
Instrument :
MSVOA_D
ClientSampled :

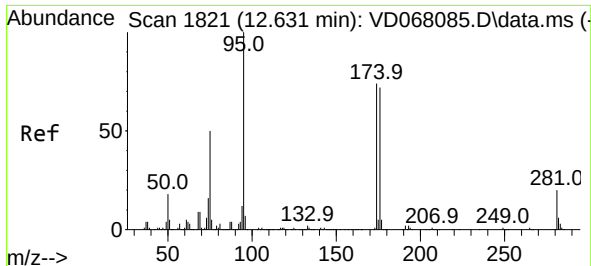
Tgt Ion: 92 Resp: 528936
Ion Ratio Lower Upper
92 100
91 170.5 134.1 201.1



#55
1,1,2-Trichloroethane
Concen: 1.52 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.023 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

Tgt Ion: 97 Resp: 8502
Ion Ratio Lower Upper
97 100
83 9.2 61.8 92.6#
85 0.0 42.2 63.2#
99 0.0 48.3 72.5#

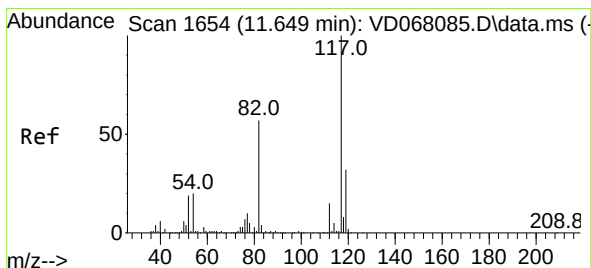
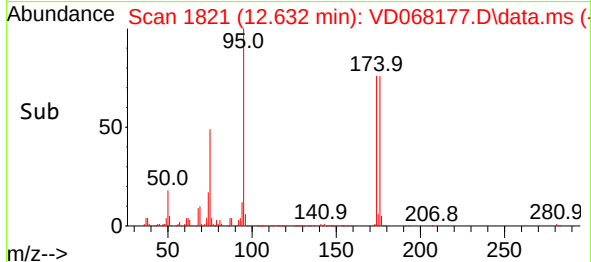
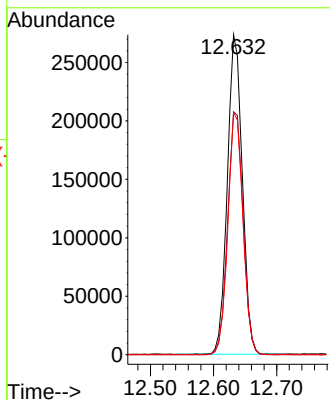
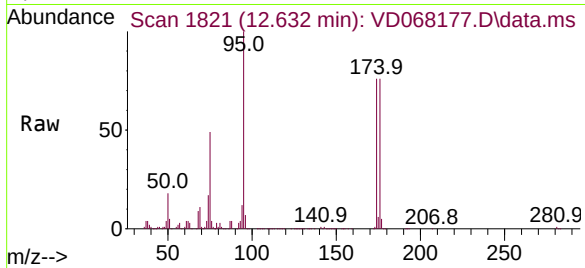




#62
4-Bromofluorobenzene
Concen: 50.12 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

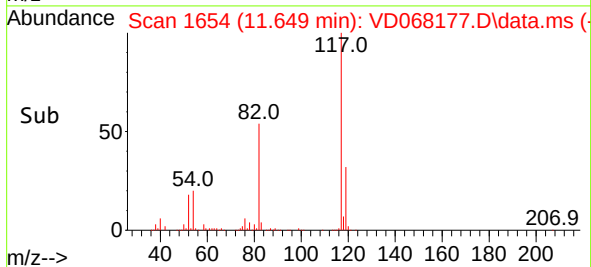
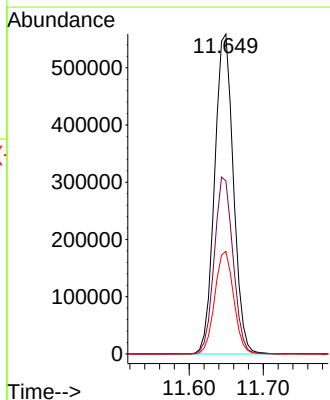
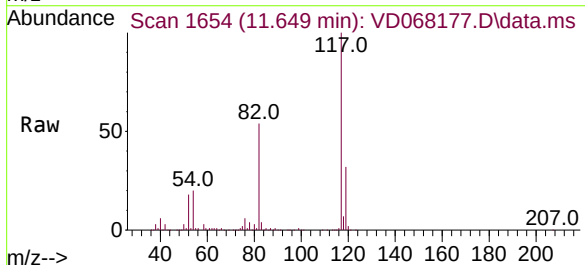
Instrument :
MSVOA_D
ClientSampleId :

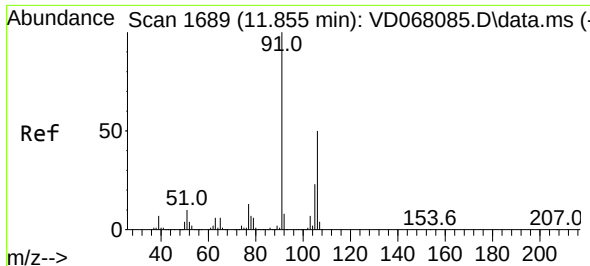
Tgt Ion: 95 Resp: 449844
Ion Ratio Lower Upper
95 100
174 78.5 0.0 172.4
176 76.3 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

Tgt Ion: 117 Resp: 985997
Ion Ratio Lower Upper
117 100
82 54.0 41.4 62.0
119 32.0 26.1 39.1

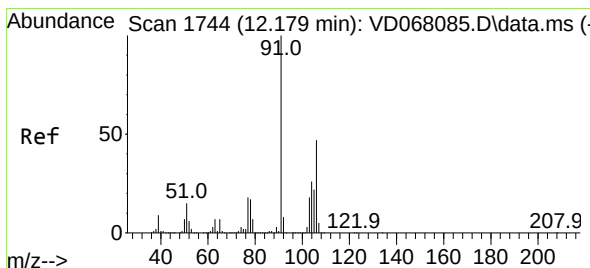
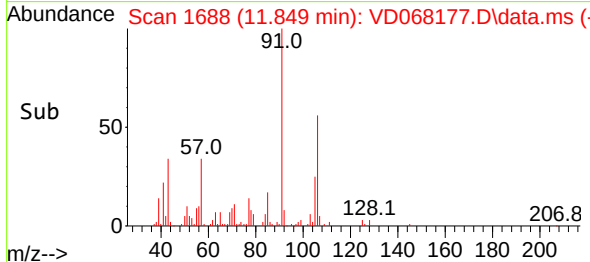
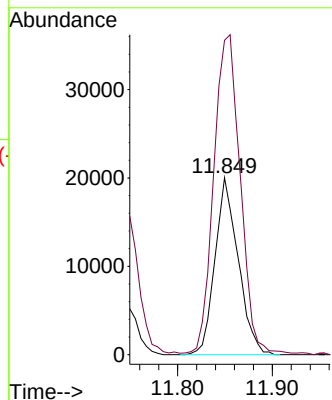
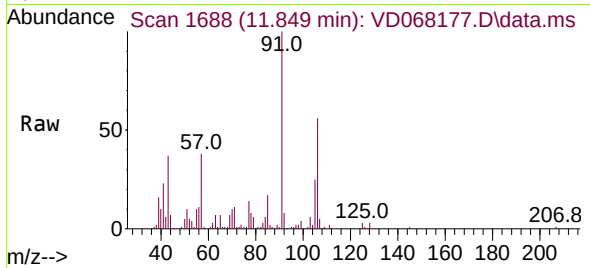




#68
m/p-Xylenes
Concen: 2.33 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

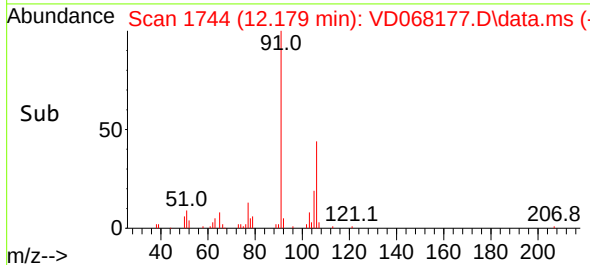
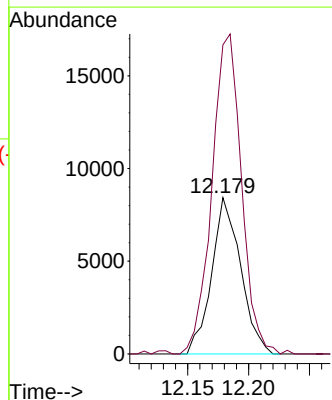
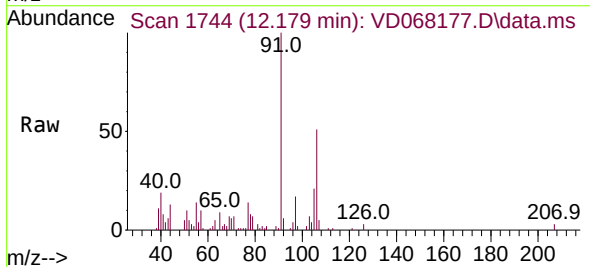
Instrument :
MSVOA_D
ClientSampled :

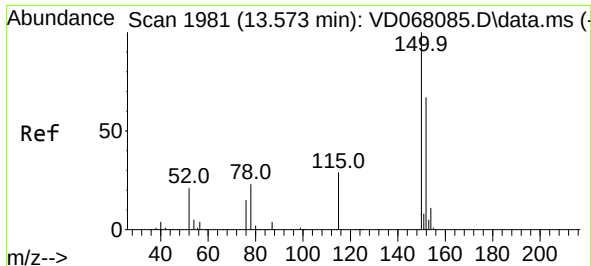
Tgt Ion:106 Resp: 34113
Ion Ratio Lower Upper
106 100
91 207.7 159.1 238.7



#69
o-Xylene
Concen: 1.03 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

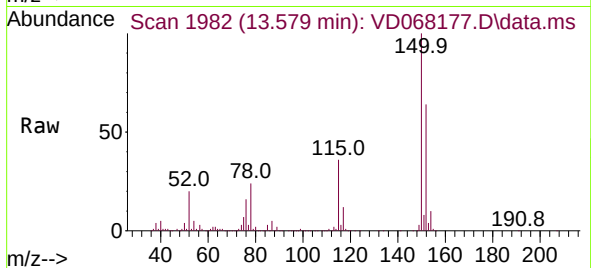
Tgt Ion:106 Resp: 13963
Ion Ratio Lower Upper
106 100
91 208.9 108.7 325.9



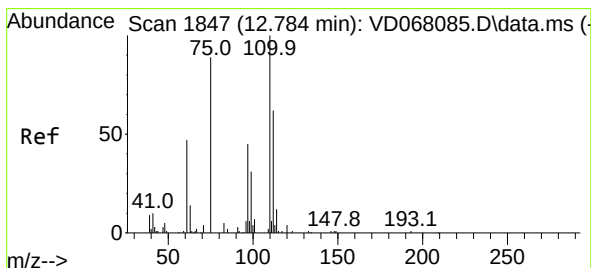
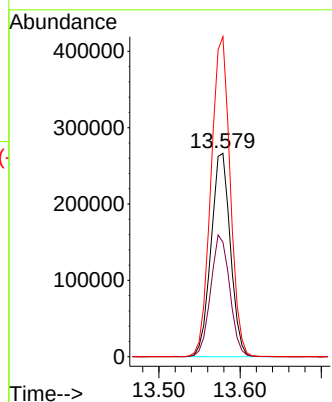
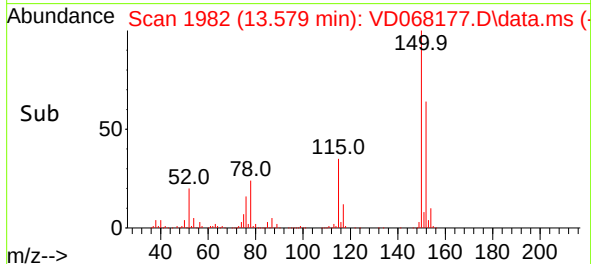


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.579 min Scan# 1982
 Delta R.T. 0.006 min
 Lab File: VD068177.D
 Acq: 25 Jan 2021 19:34

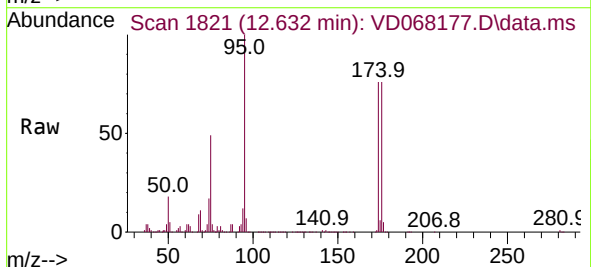
Instrument :
 MSVOA_D
 ClientSampled :



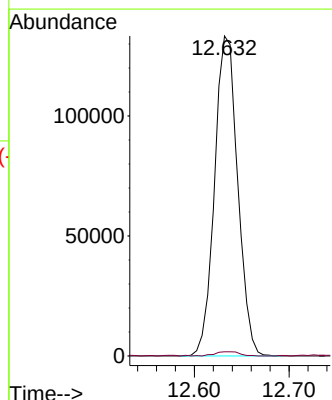
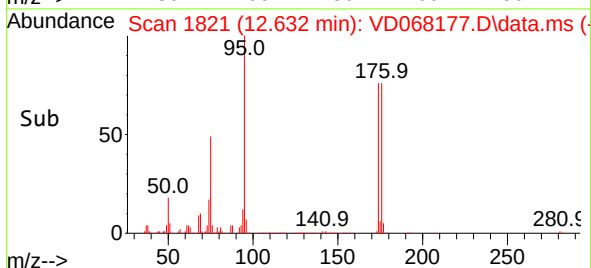
Tgt Ion:152 Resp: 440475
 Ion Ratio Lower Upper
 152 100
 115 59.1 28.9 86.8
 150 156.4 0.0 344.4

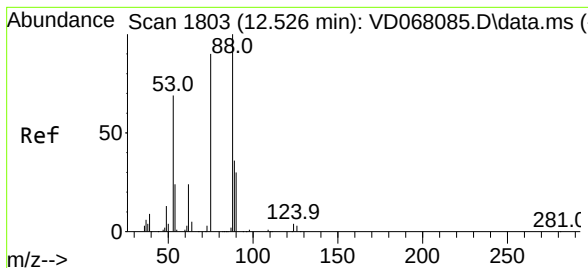


#76
 1,2,3-Trichloropropane
 Concen: 53.15 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.153 min
 Lab File: VD068177.D
 Acq: 25 Jan 2021 19:34



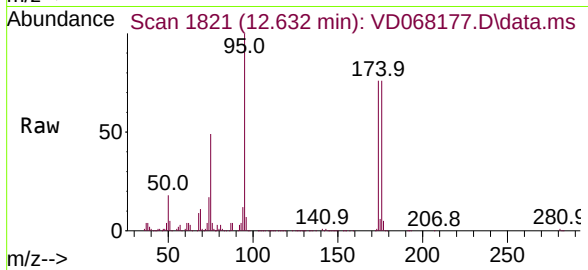
Tgt Ion: 75 Resp: 226344
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



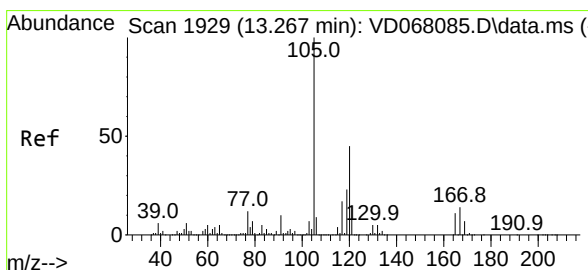
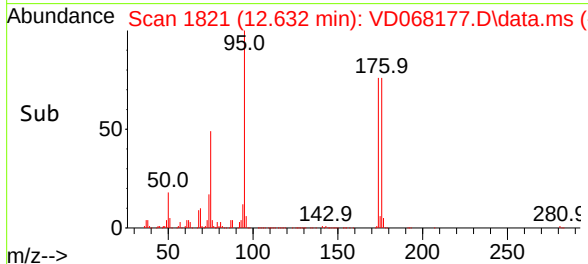
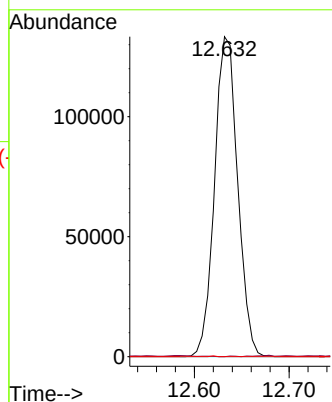


#81
trans-1,4-Dichloro-2-butene
Concen: 107.54 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 75 Resp: 226344
Ion Ratio Lower Upper
75 100
53 0.1 70.2 105.2#
89 0.1 40.3 60.5#



#84
1,2,4-Trimethylbenzene
Concen: 1.44 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068177.D
Acq: 25 Jan 2021 19:34

Tgt Ion: 105 Resp: 43709
Ion Ratio Lower Upper
105 100
120 43.9 22.4 67.0

