

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012121\
 Data File : VD068137.D
 Acq On : 21 Jan 2021 17:14
 Operator : VA/SY
 Sample : M1177-01
 Misc : 4.89G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PILE-1-(0.5-1.0)

Quant Time: Jan 22 00:10:58 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	577022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	982941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	920097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	400098	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	271406	49.17	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.34%
35) Dibromofluoromethane	7.920	113	277498	51.06	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.12%
50) Toluene-d8	10.344	98	1221130	56.18	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.36%
62) 4-Bromofluorobenzene	12.632	95	418454	53.46	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.92%

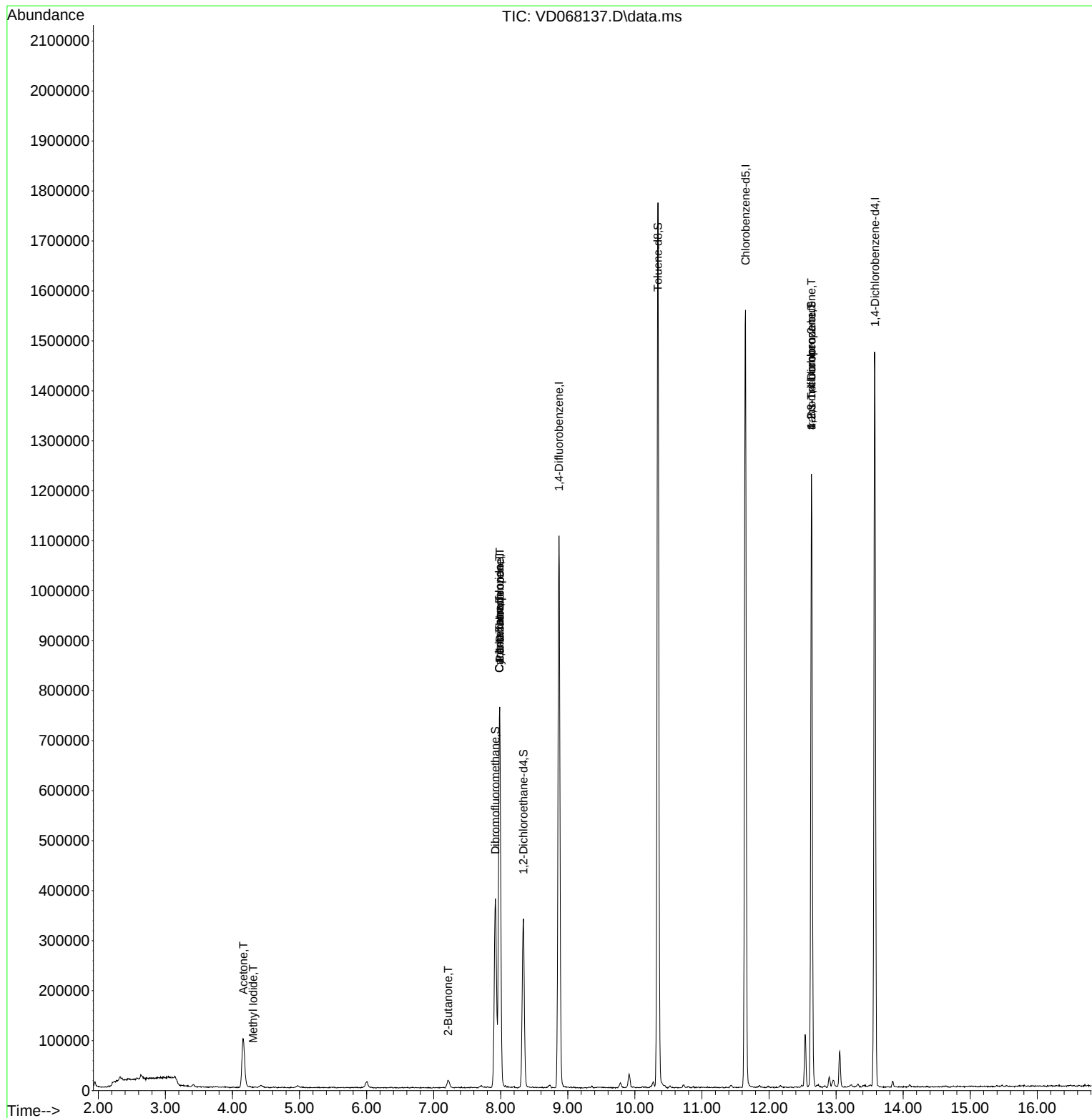
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	97	3.17	ug/l #	38
11) Tert butyl alcohol	5.209	59	74	Below	Cal #	74
16) Acetone	4.162	43	177685	180.28	ug/l	95
20) Methylene Chloride	4.973	84	163	Below	Cal #	16
25) 2-Butanone	7.214	43	25428	17.13	ug/l	91
31) Cyclohexane	7.979	56	13177	1.10	ug/l #	17
36) 1,1-Dichloropropene	7.985	75	46893	4.73	ug/l #	47
38) Carbon Tetrachloride	7.979	117	58949	6.35	ug/l #	15
76) 1,2,3-Trichloropropane	12.632	75	217442	56.21	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	217442	113.74	ug/l #	13

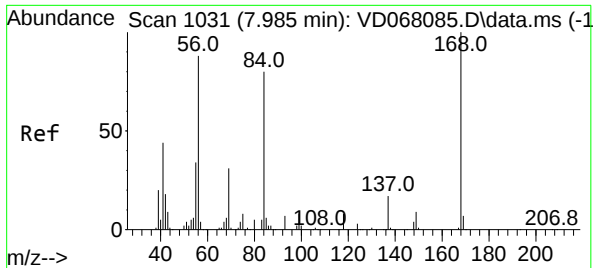
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PILE-1-(0.5-1.0)

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
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Response via : Initial Calibration

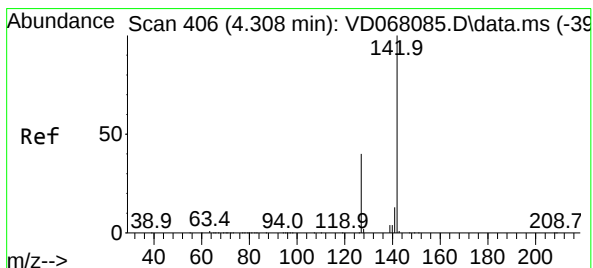
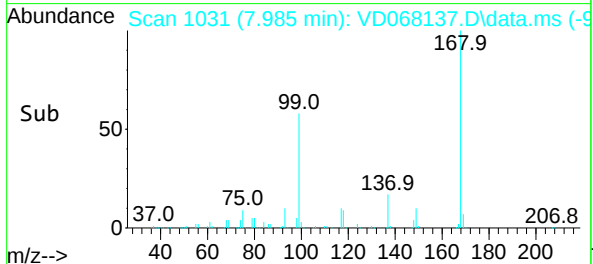
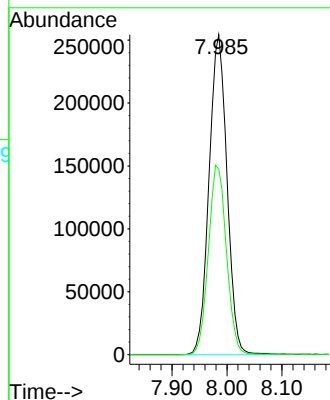
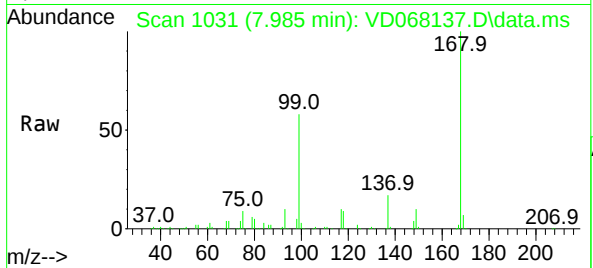




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

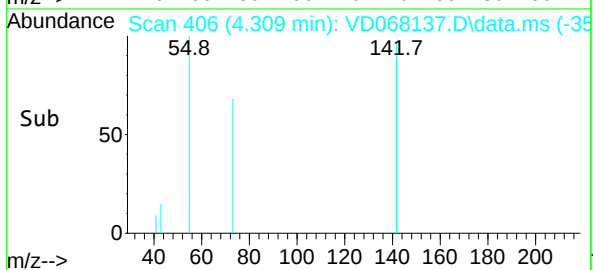
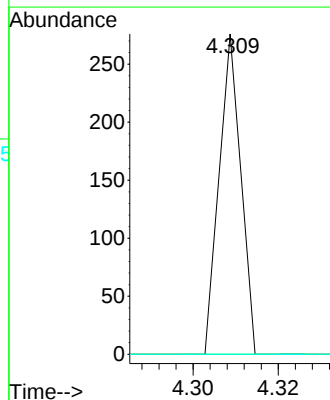
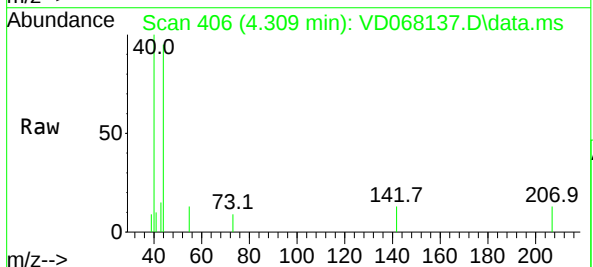
Instrument :
MSVOA_D
ClientSampleId :
PILE-1-(0.5-1.0)

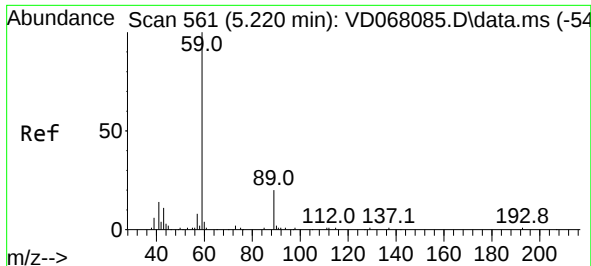
Tgt Ion:168 Resp: 577022
Ion Ratio Lower Upper
168 100
99 58.0 43.5 65.3



#10
Methyl Iodide
Concen: 3.17 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

Tgt Ion:142 Resp: 97
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

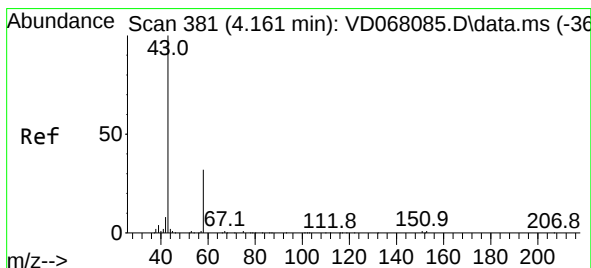
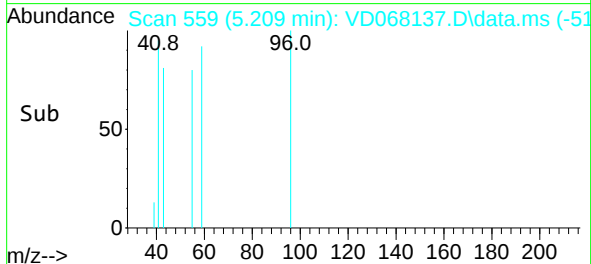
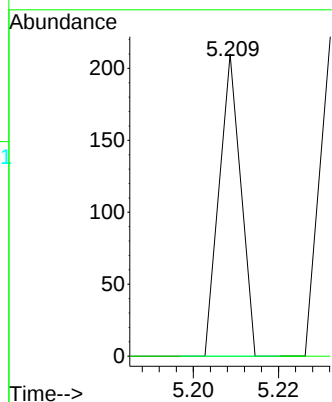
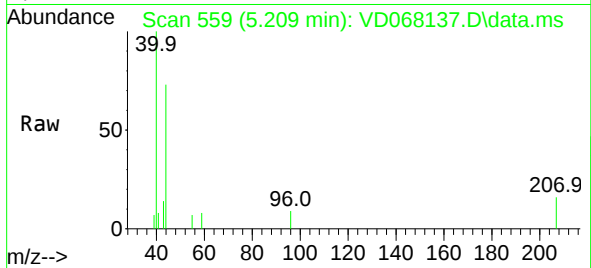




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

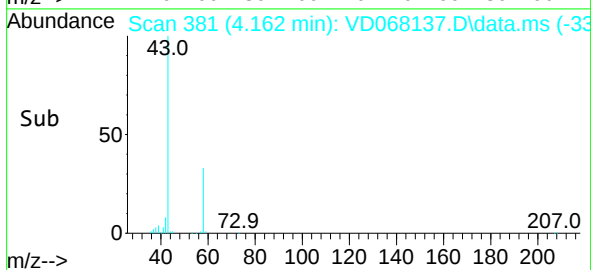
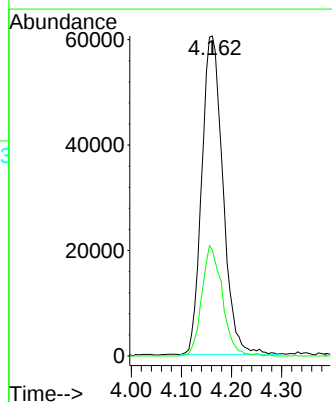
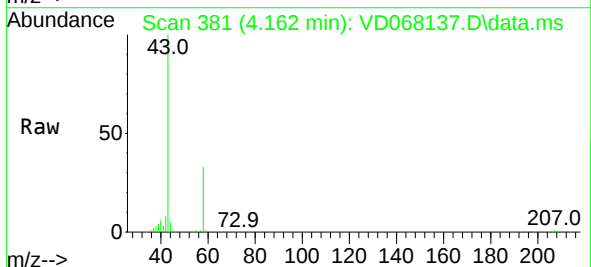
Instrument :
MSVOA_D
ClientSampleId :
PILE-1-(0.5-1.0)

Tgt Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 180.28 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

Tgt Ion: 43 Resp: 177685
Ion Ratio Lower Upper
43 100
58 33.2 24.2 36.4

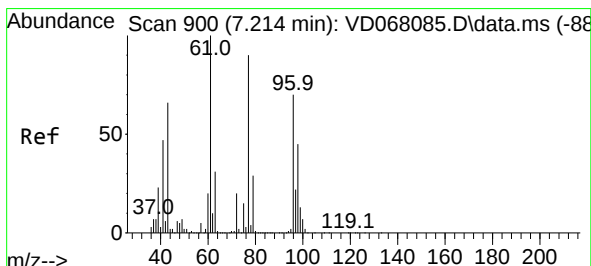
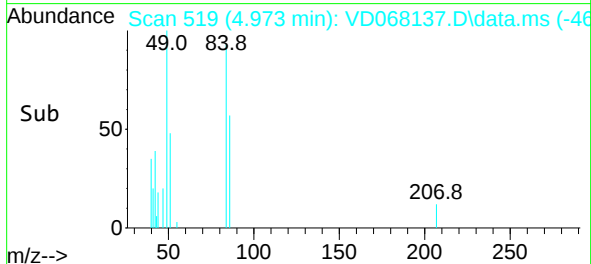
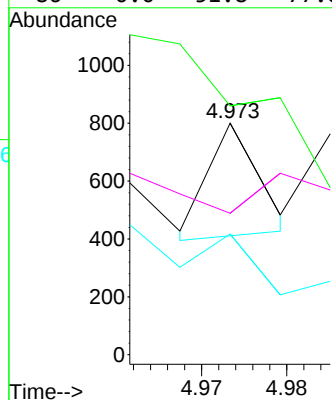
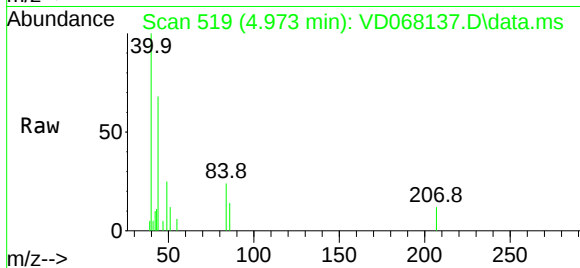




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

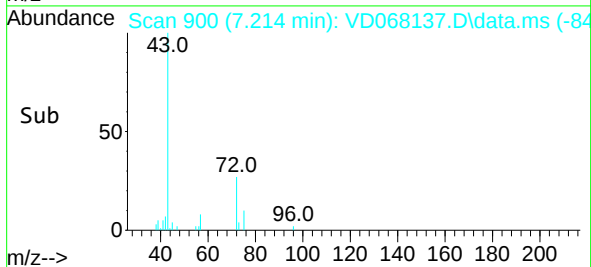
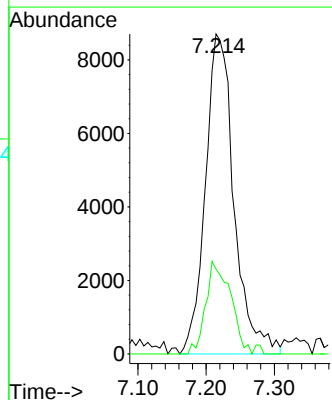
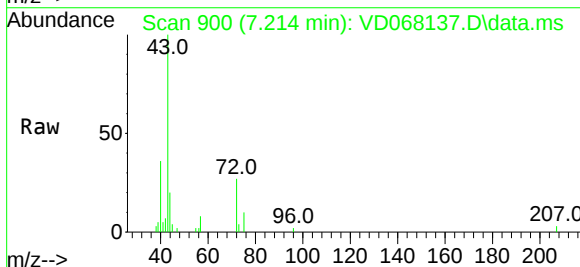
Instrument :
MSVOA_D
ClientSampleId :
PILE-1-(0.5-1.0)

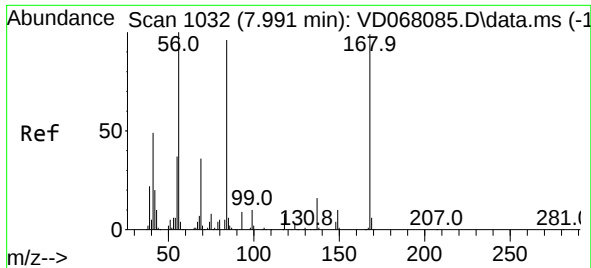
Tgt Ion:	84	Resp:	163
Ion	Ratio	Lower	Upper
84	100		
49	0.0	77.4	116.2#
51	56.3	26.1	39.1#
86	0.0	51.8	77.8#



#25
2-Butanone
Concen: 17.13 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

Tgt Ion:	43	Resp:	25428
Ion	Ratio	Lower	Upper
43	100		
72	26.5	25.1	37.7

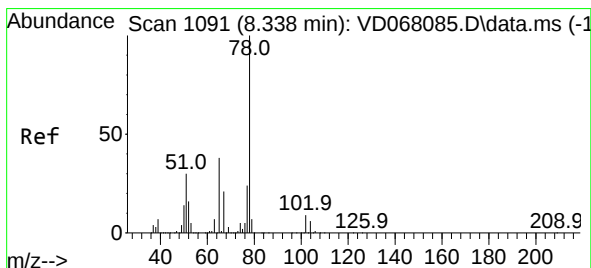
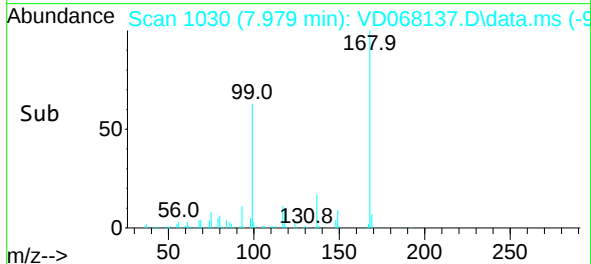
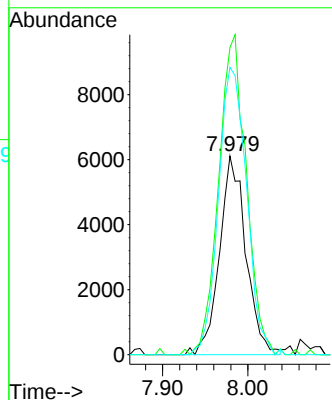
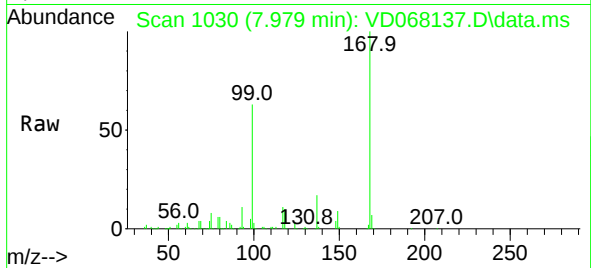




#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

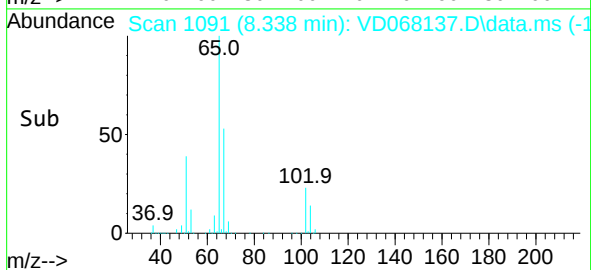
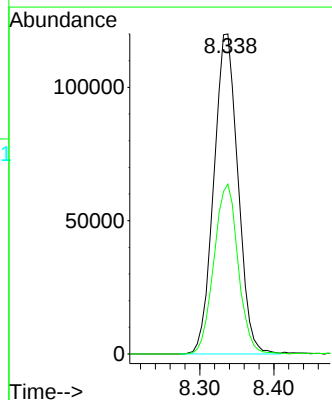
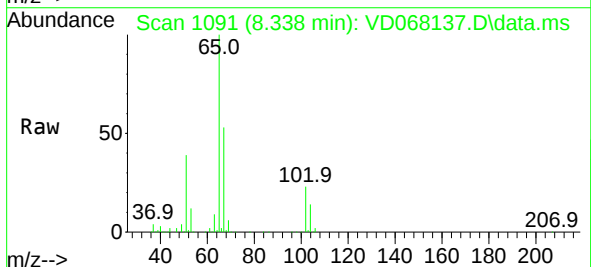
Instrument :
MSVOA_D
ClientSampleId :
PILE-1-(0.5-1.0)

Tgt Ion: 56 Resp: 13177
Ion Ratio Lower Upper
56 100
69 154.7 30.1 45.1#
84 144.8 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 49.17 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

Tgt Ion: 65 Resp: 271406
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.0

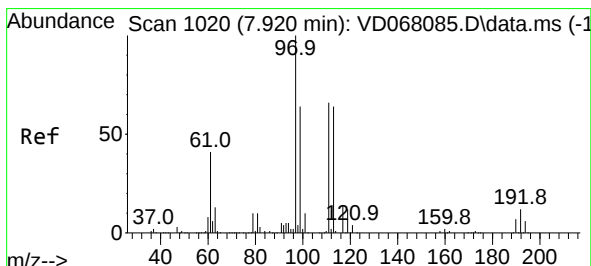
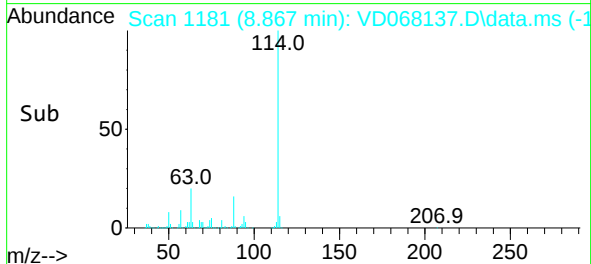
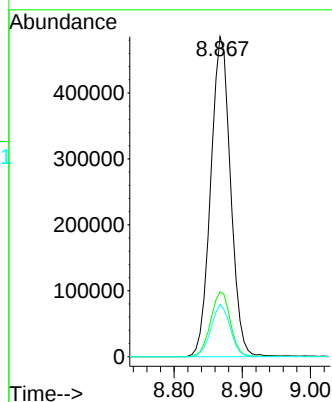
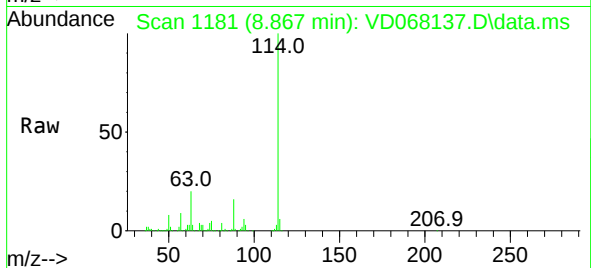




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

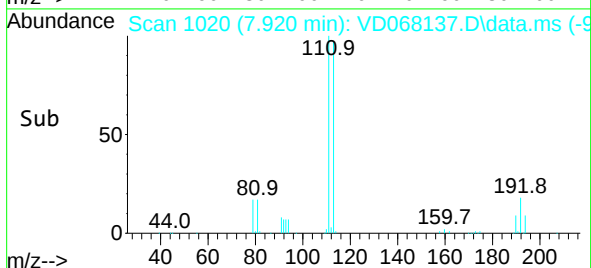
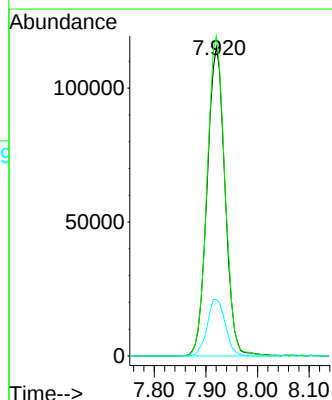
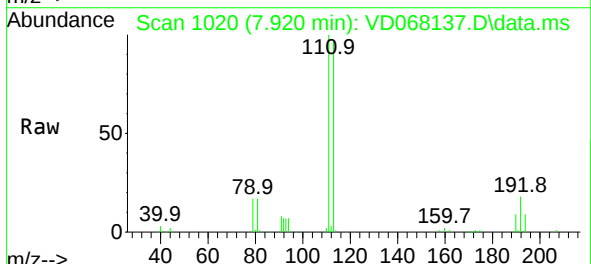
Instrument :
MSVOA_D
ClientSampleId :
PILE-1-(0.5-1.0)

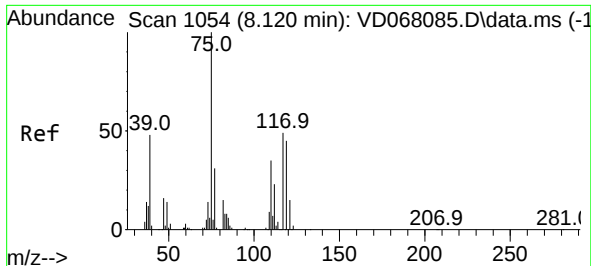
Tgt Ion:114 Resp: 982941
Ion Ratio Lower Upper
114 100
63 20.3 0.0 34.8
88 16.4 0.0 31.6



#35
Dibromofluoromethane
Concen: 51.06 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

Tgt Ion:113 Resp: 277498
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 18.6 16.1 24.1

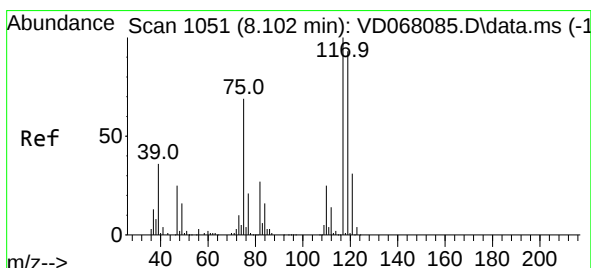
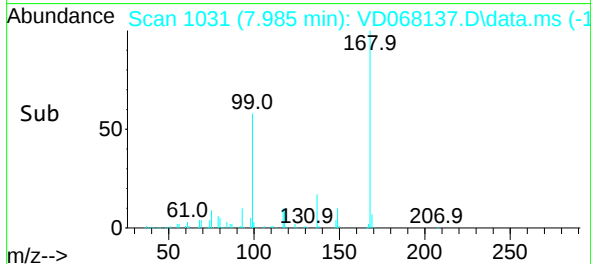
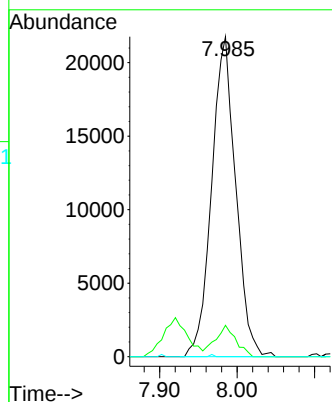
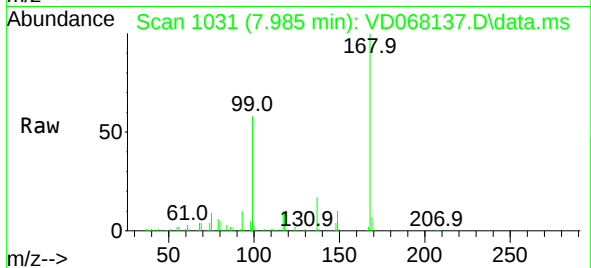




#36
 1,1-Dichloropropene
 Concen: 4.73 ug/l
 RT: 7.985 min Scan# 1031
 Delta R.T. -0.135 min
 Lab File: VD068137.D
 Acq: 21 Jan 2021 17:14

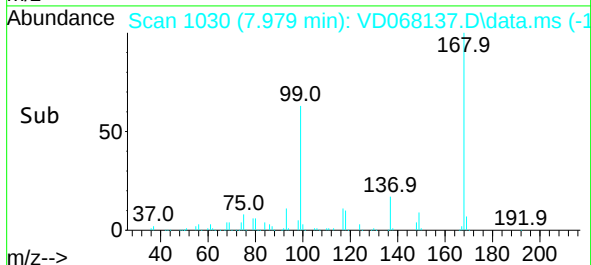
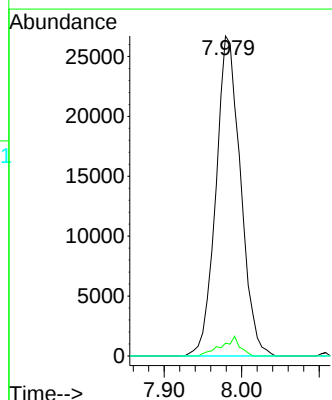
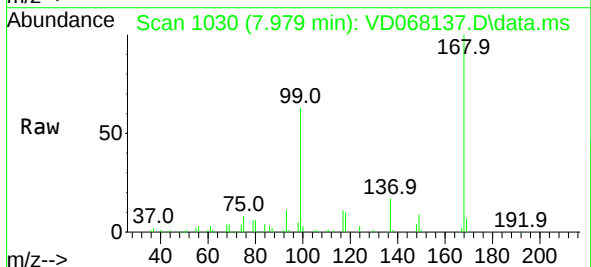
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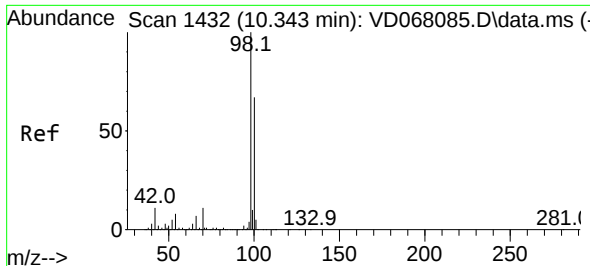
Tgt Ion: 75 Resp: 46893
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.4 58.2#
 77 0.1 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 6.35 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.123 min
 Lab File: VD068137.D
 Acq: 21 Jan 2021 17:14

Tgt Ion: 117 Resp: 58949
 Ion Ratio Lower Upper
 117 100
 119 4.0 77.3 115.9#
 121 0.0 24.7 37.1#

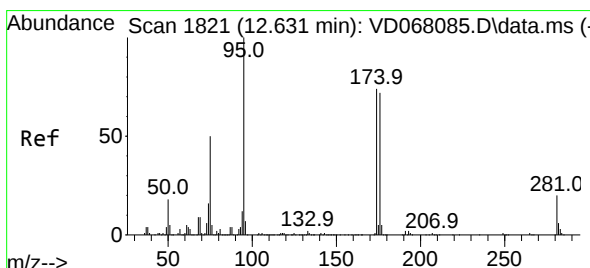
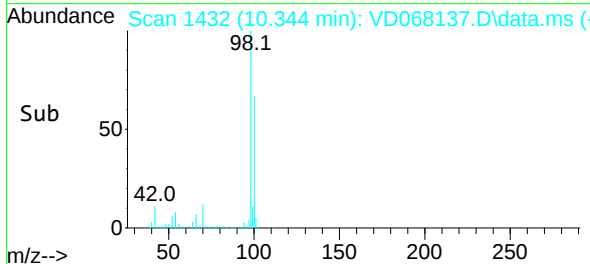
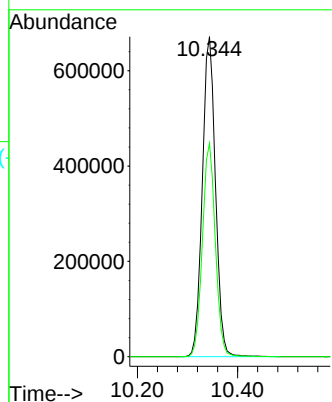
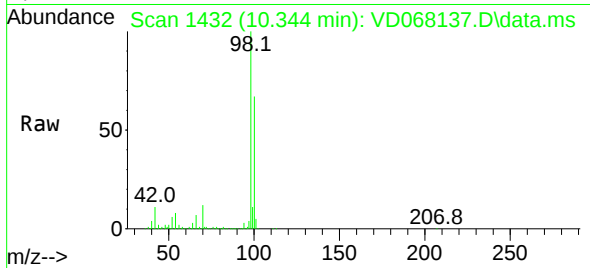




#50
Toluene-d8
Concen: 56.18 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

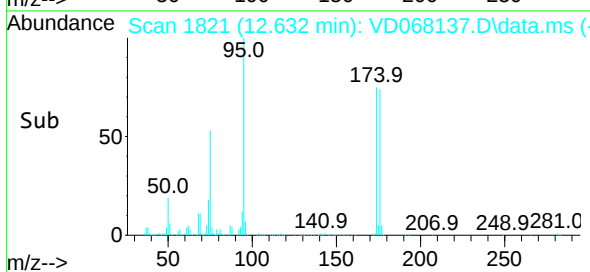
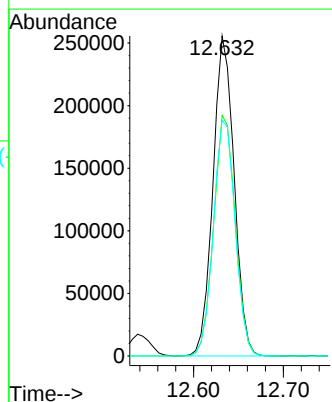
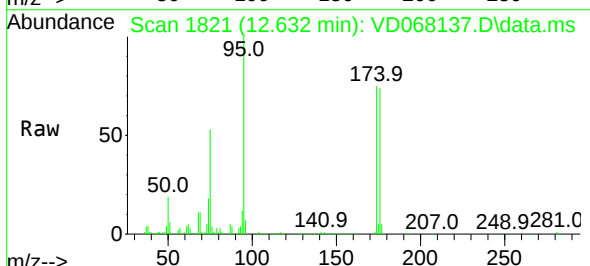
Instrument :
MSVOA_D
ClientSampleId :
PILE-1-(0.5-1.0)

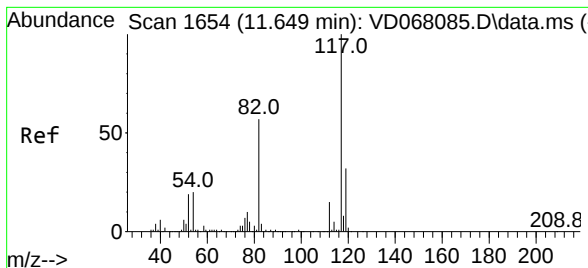
Tgt Ion: 98 Resp: 1221130
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.46 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

Tgt Ion: 95 Resp: 418454
Ion Ratio Lower Upper
95 100
174 77.1 0.0 172.4
176 75.8 0.0 168.4

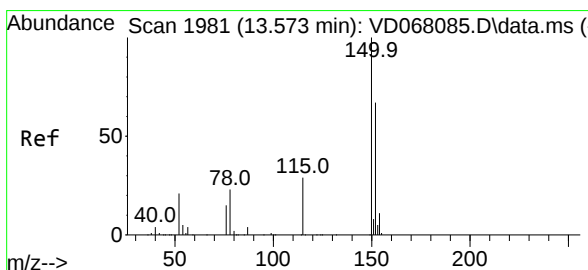
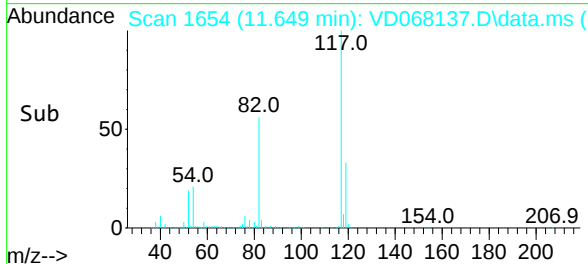
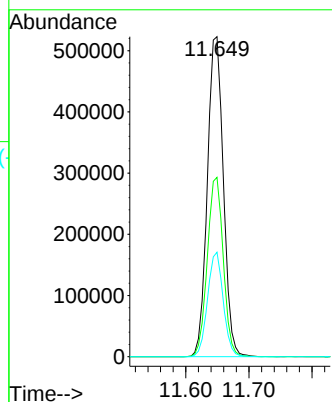
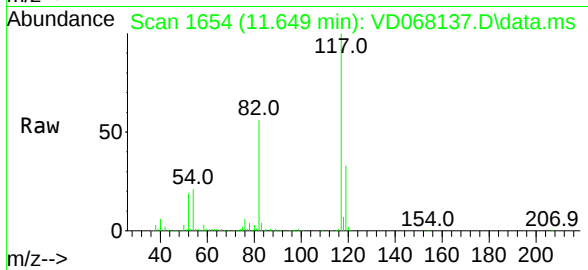




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

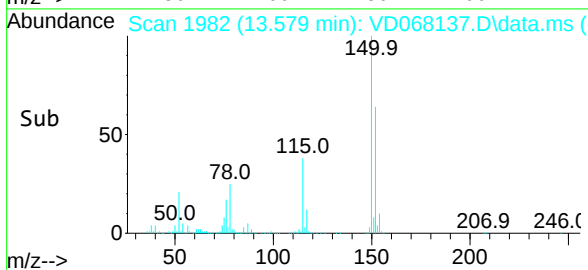
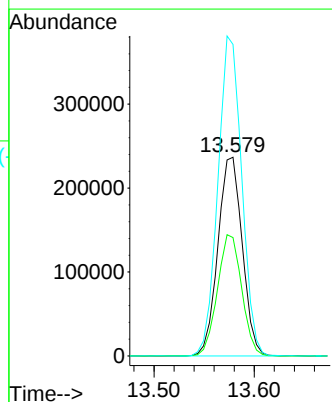
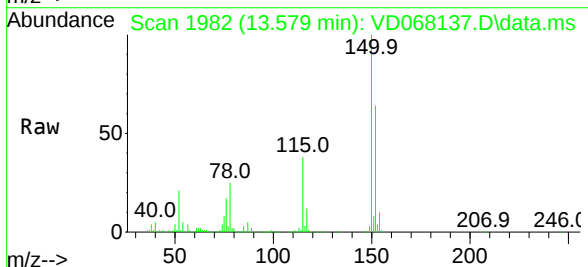
Instrument :
MSVOA_D
ClientSampleId :
PILE-1-(0.5-1.0)

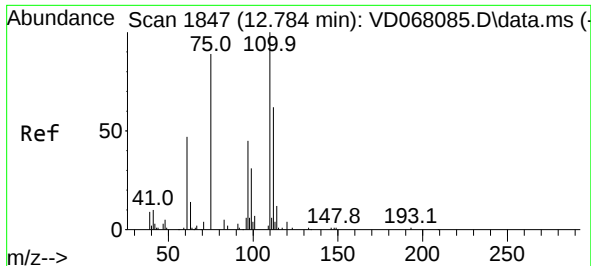
Tgt Ion:117 Resp: 920097
Ion Ratio Lower Upper
117 100
82 56.1 41.4 62.0
119 32.6 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

Tgt Ion:152 Resp: 400098
Ion Ratio Lower Upper
152 100
115 60.8 28.9 86.8
150 157.2 0.0 344.4

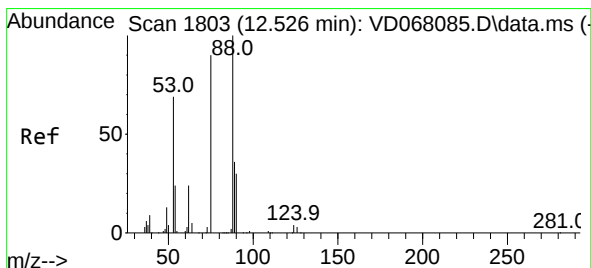
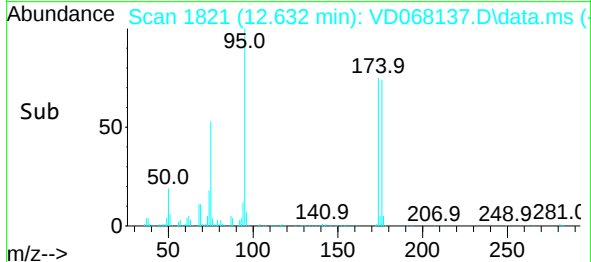
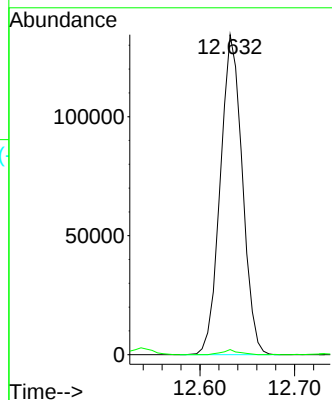
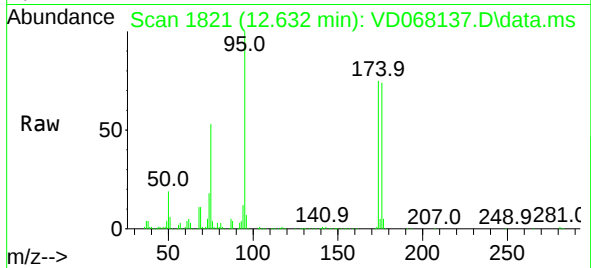




#76
1,2,3-Trichloropropane
Concen: 56.21 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

Instrument :
MSVOA_D
ClientSampleId :
PILE-1-(0.5-1.0)

Tgt Ion: 75 Resp: 217442
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.74 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068137.D
Acq: 21 Jan 2021 17:14

Tgt Ion: 75 Resp: 217442
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

