

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012721\
 Data File : VD068207.D
 Acq On : 27 Jan 2021 19:24
 Operator : VA/SY
 Sample : M1252-01
 Misc : 6.73G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 27 23:59:13 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	488821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	852313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	765267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	332669	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	268552	57.43	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.86%
35) Dibromofluoromethane	7.920	113	254502	54.01	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.02%
50) Toluene-d8	10.344	98	1062276	56.36	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.72%
62) 4-Bromofluorobenzene	12.632	95	347335	51.17	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.34%

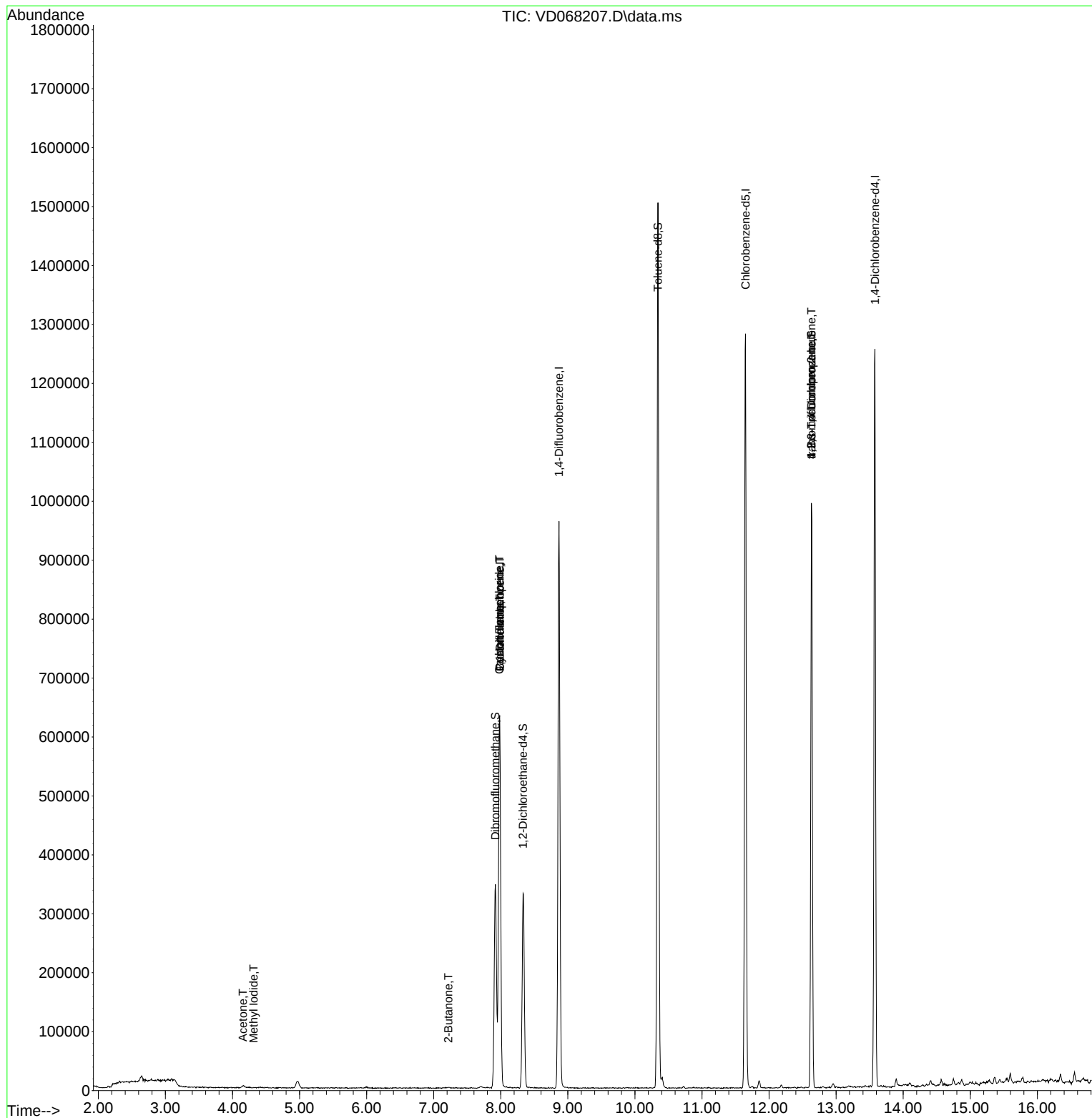
Target Compounds						Qvalue
10) Methyl Iodide	4.314	142	166	3.19	ug/l #	38
11) Tert butyl alcohol	5.209	59	61	Below	Cal #	74
16) Acetone	4.156	43	7236	8.67	ug/l #	85
20) Methylene Chloride	4.979	84	9803	Below	Cal #	83
25) 2-Butanone	7.220	43	1548	1.23	ug/l #	43
31) Cyclohexane	7.985	56	11455	1.13	ug/l #	21
36) 1,1-Dichloropropene	7.985	75	39740	4.62	ug/l #	47
38) Carbon Tetrachloride	7.979	117	49658	6.17	ug/l #	15
76) 1,2,3-Trichloropropane	12.632	75	175257	54.49	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	175257	110.25	ug/l #	13

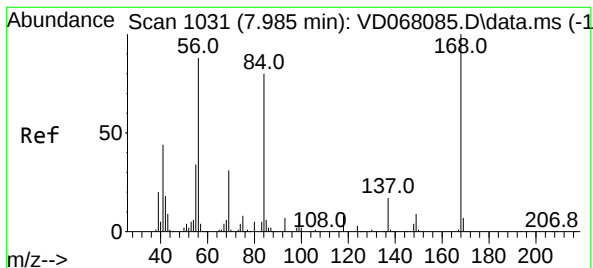
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

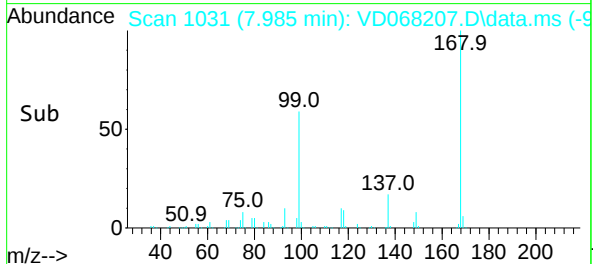
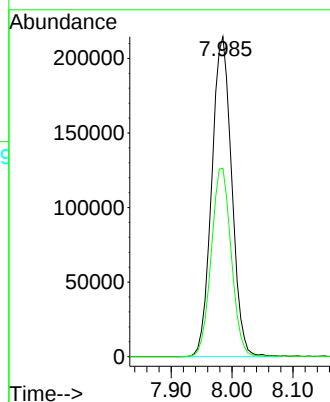
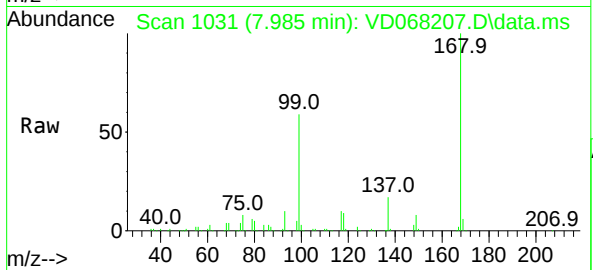




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

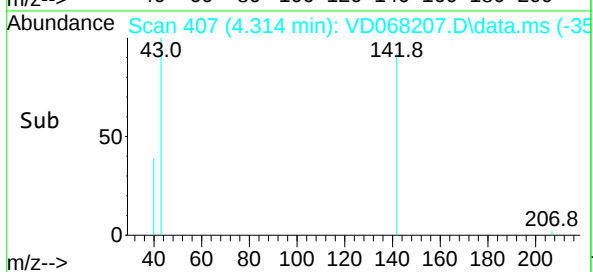
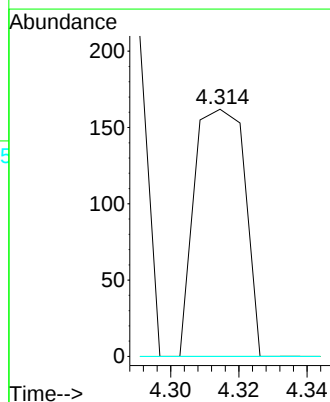
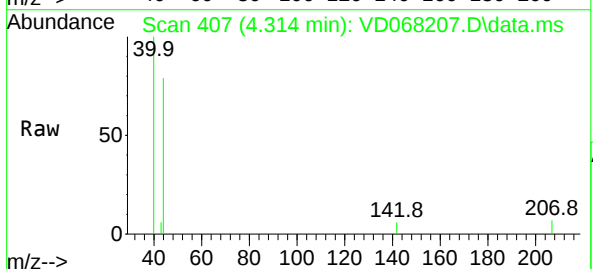
Instrument :
MSVOA_D
ClientSampleId :

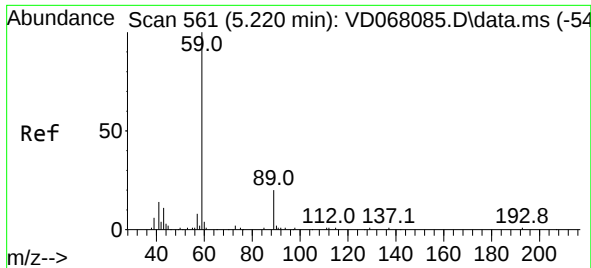
Tgt Ion:168 Resp: 488821
Ion Ratio Lower Upper
168 100
99 58.9 43.5 65.3



#10
Methyl Iodide
Concen: 3.19 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.006 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

Tgt Ion:142 Resp: 166
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

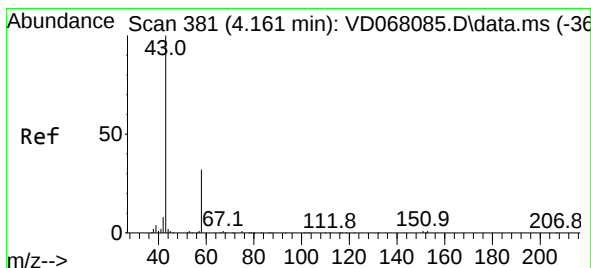
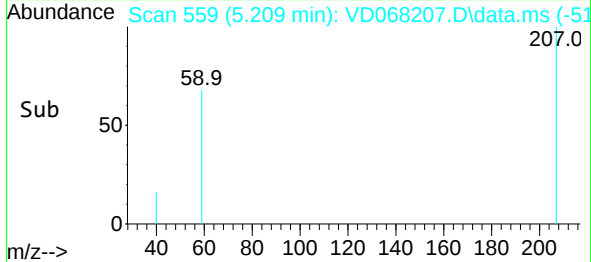
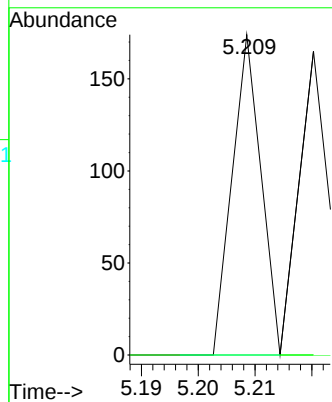
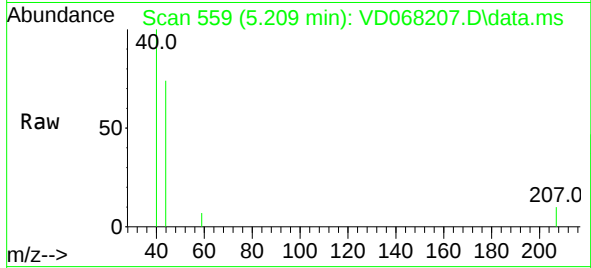




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

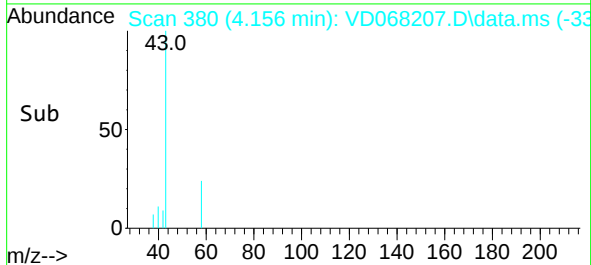
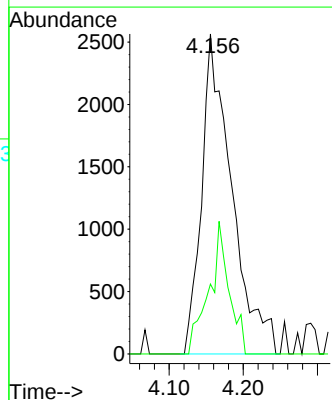
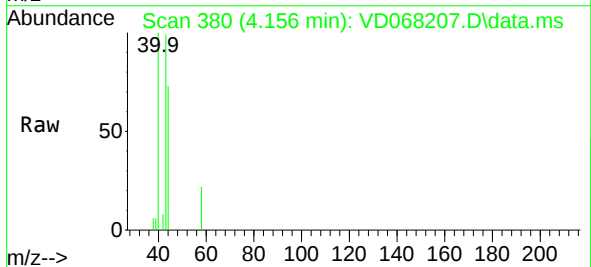
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 8.67 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

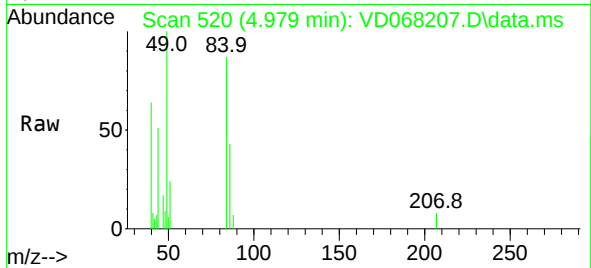
Tgt Ion: 43 Resp: 7236
Ion Ratio Lower Upper
43 100
58 21.9 24.2 36.4#



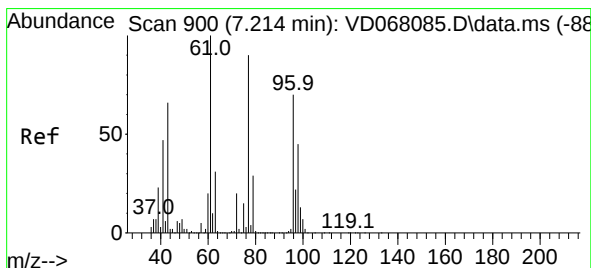
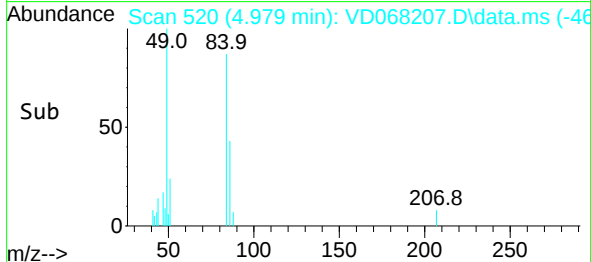
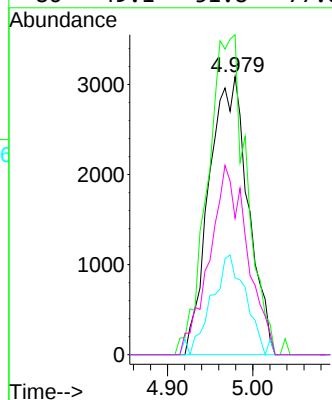


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.006 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

Instrument :
MSVOA_D
ClientSampleId :

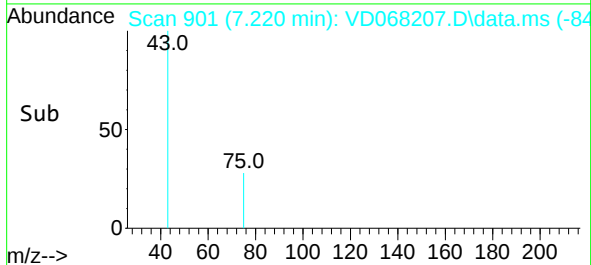
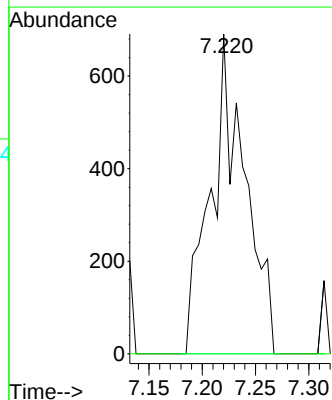
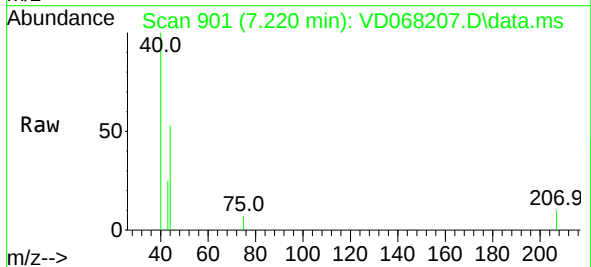


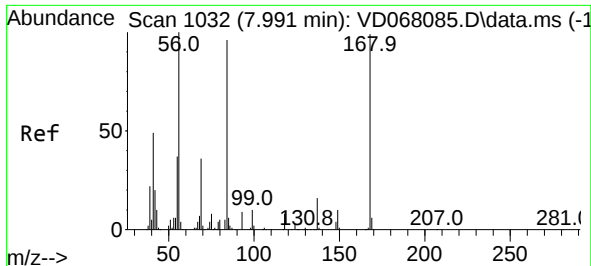
Tgt Ion: 84 Resp: 9803
Ion Ratio Lower Upper
84 100
49 115.1 77.4 116.2
51 27.6 26.1 39.1
86 49.1 51.8 77.8#



#25
2-Butanone
Concen: 1.23 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

Tgt Ion: 43 Resp: 1548
Ion Ratio Lower Upper
43 100
72 0.0 25.1 37.7#

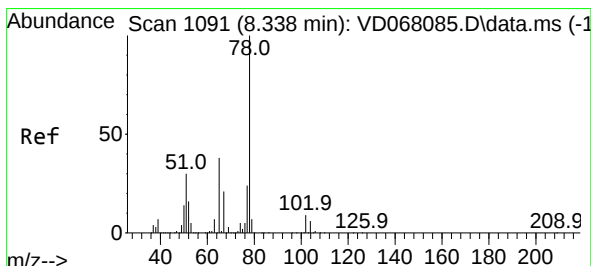
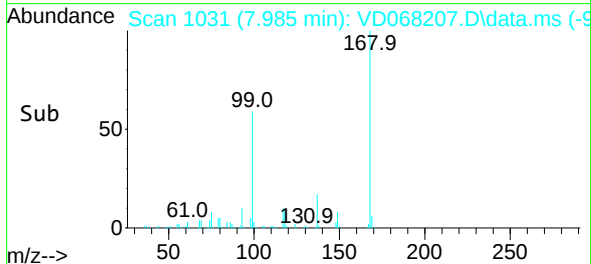
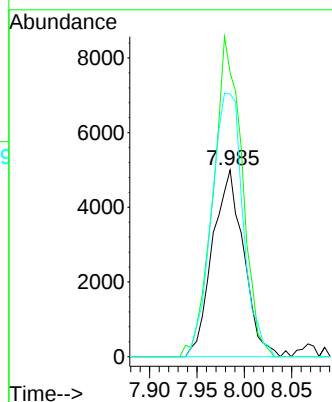
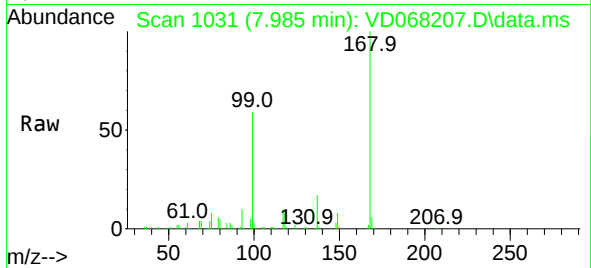




#31
Cyclohexane
Concen: 1.13 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

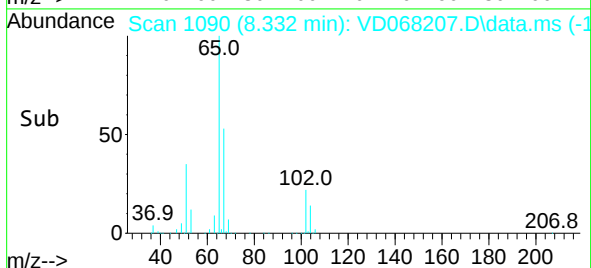
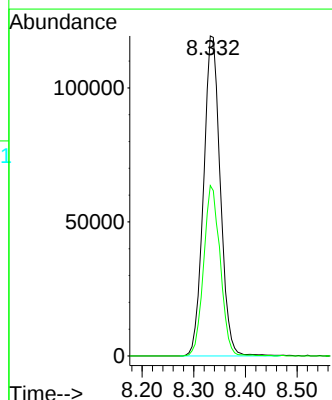
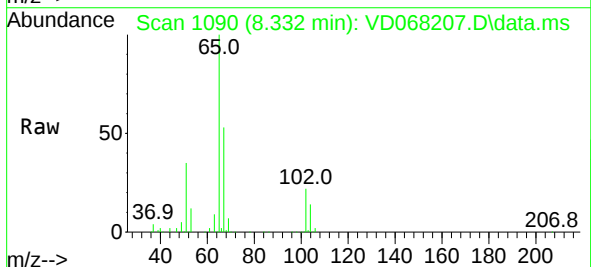
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 11455
Ion Ratio Lower Upper
56 100
69 151.9 30.1 45.1#
84 140.7 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 57.43 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

Tgt Ion: 65 Resp: 268552
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.0

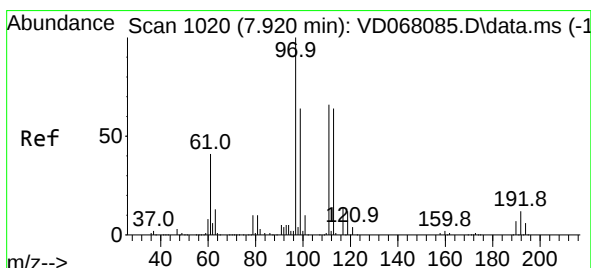
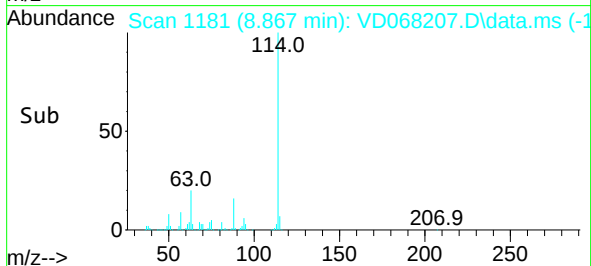
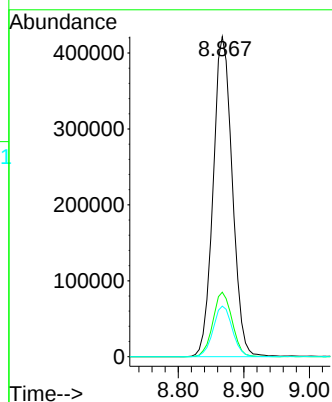
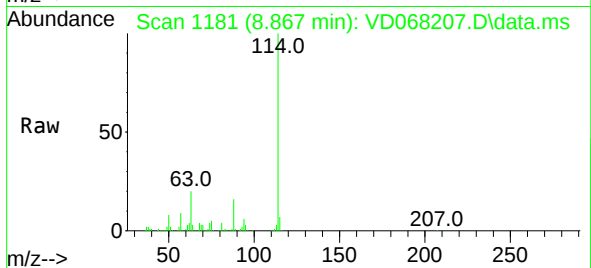




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

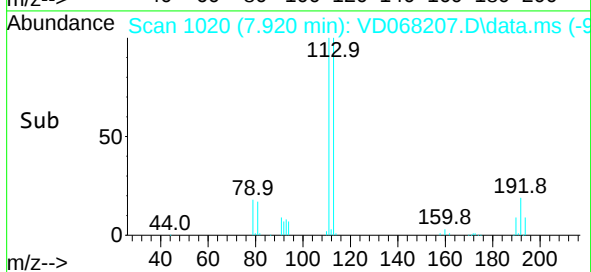
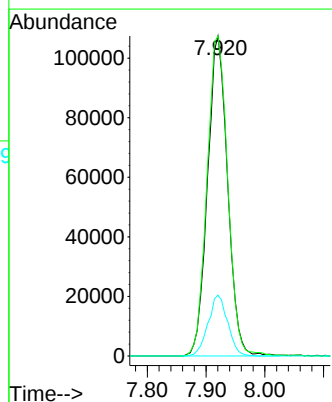
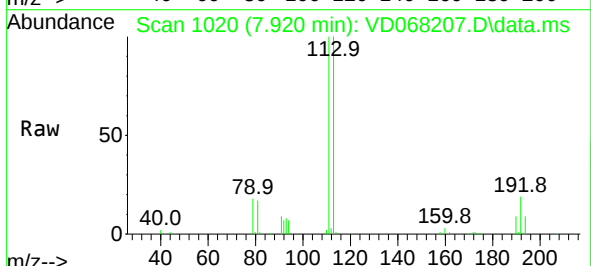
Instrument :
MSVOA_D
ClientSampled :

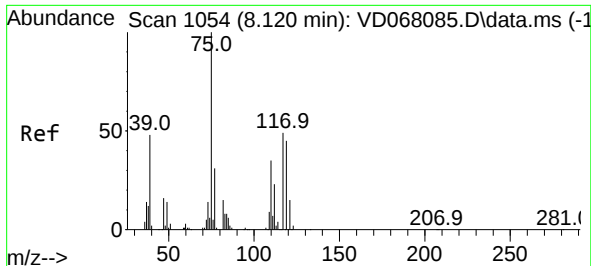
Tgt Ion:114 Resp: 852313
Ion Ratio Lower Upper
114 100
63 20.2 0.0 34.8
88 15.8 0.0 31.6



#35
Dibromofluoromethane
Concen: 54.01 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

Tgt Ion:113 Resp: 254502
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.0
192 18.5 16.1 24.1

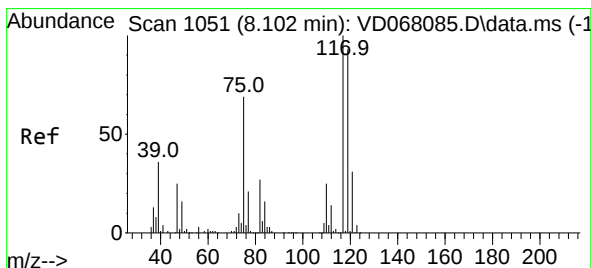
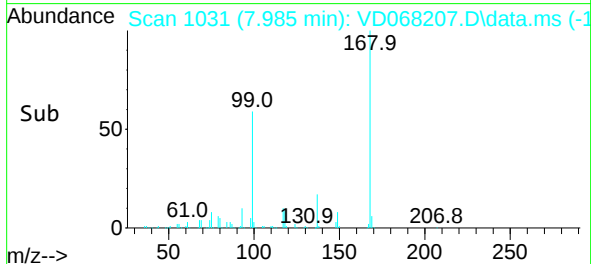
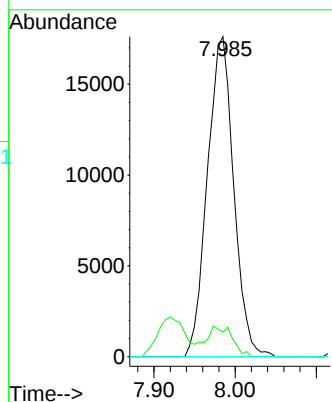
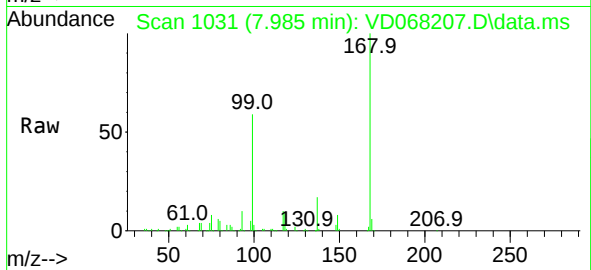




#36
1,1-Dichloropropene
Concen: 4.62 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

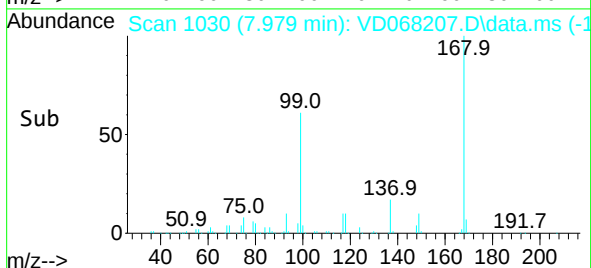
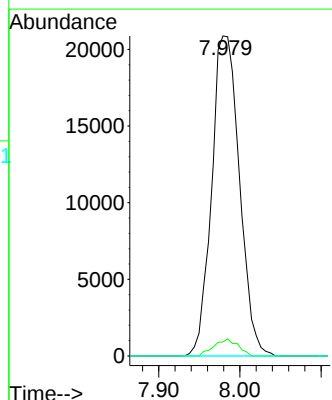
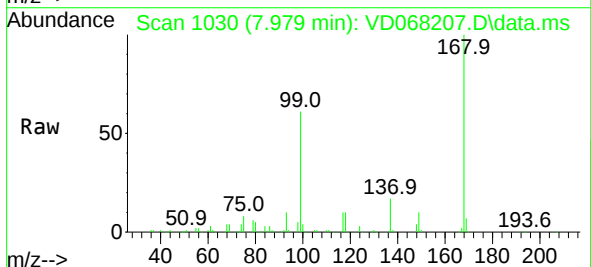
Instrument :
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ClientSampleId :

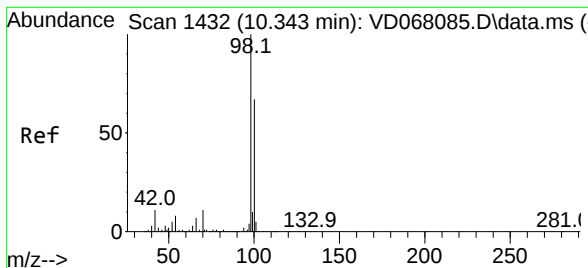
Tgt Ion: 75 Resp: 39740
Ion Ratio Lower Upper
75 100
110 8.2 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.17 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

Tgt Ion: 117 Resp: 49658
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.7 37.1#

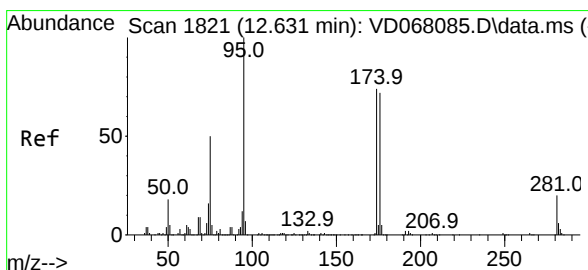
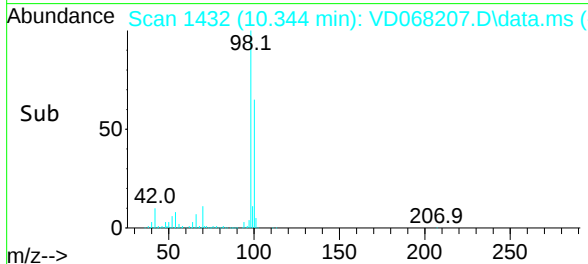
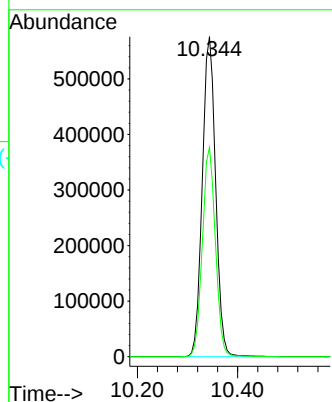
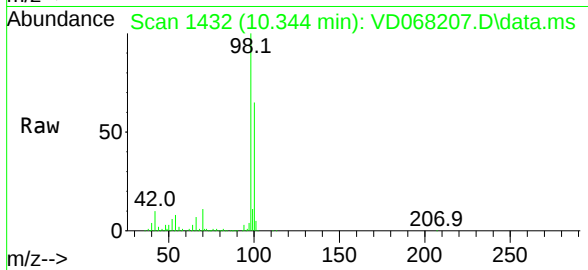




#50
Toluene-d8
Concen: 56.36 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

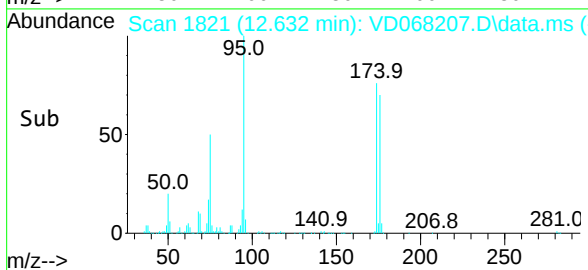
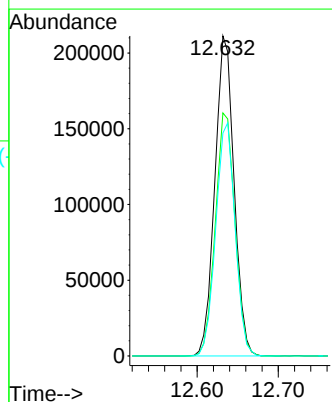
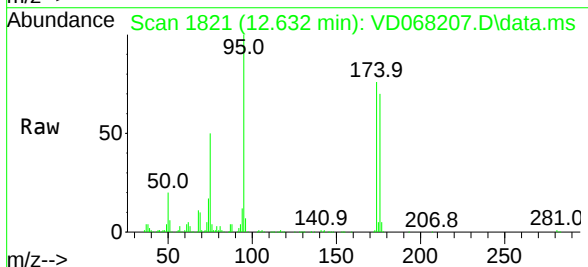
Instrument :
MSVOA_D
ClientSampleId :

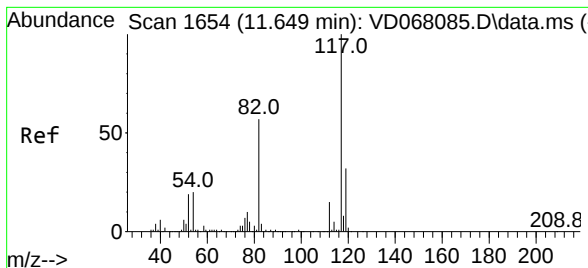
Tgt Ion: 98 Resp: 1062276
Ion Ratio Lower Upper
98 100
100 64.2 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 51.17 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

Tgt Ion: 95 Resp: 347335
Ion Ratio Lower Upper
95 100
174 77.6 0.0 172.4
176 73.4 0.0 168.4

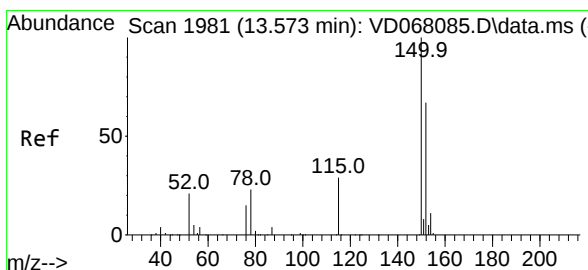
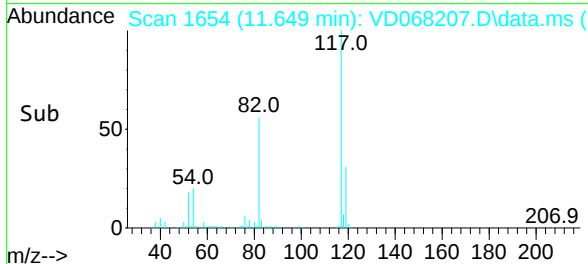
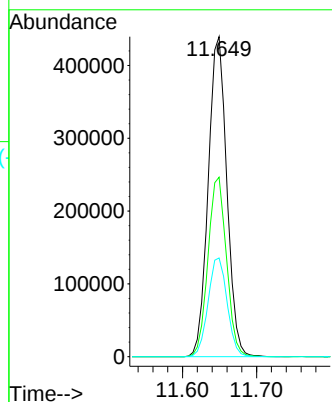
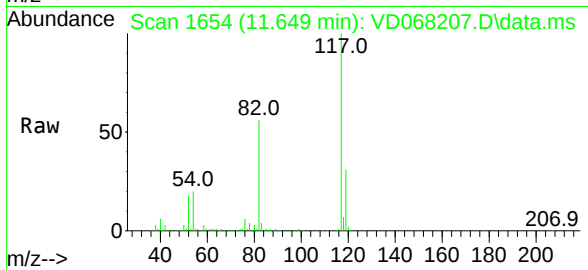




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

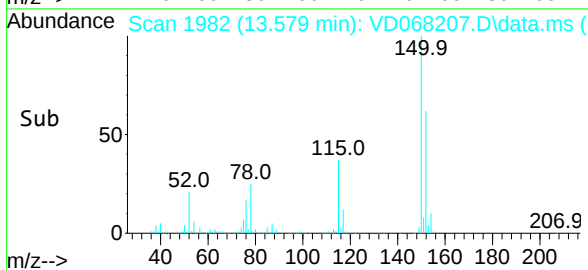
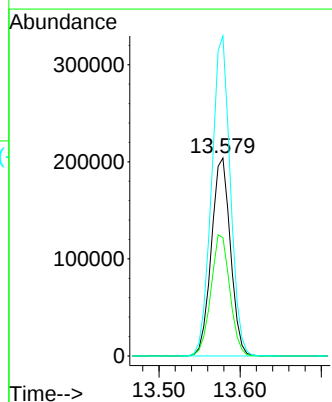
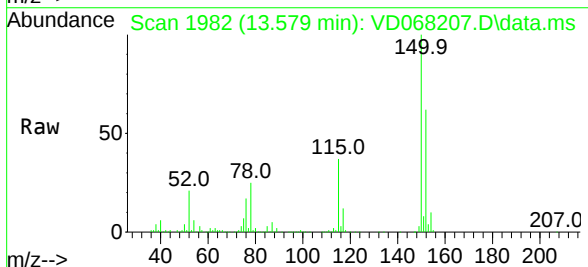
Instrument :
MSVOA_D
ClientSampleId :

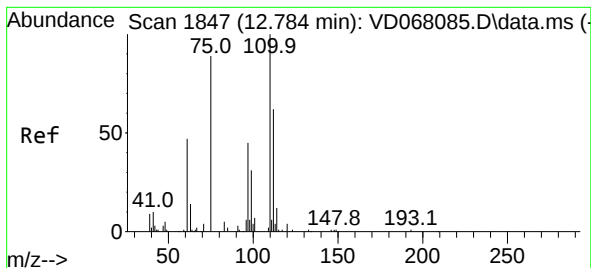
Tgt Ion:117 Resp: 765267
Ion Ratio Lower Upper
117 100
82 56.1 41.4 62.0
119 30.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

Tgt Ion:152 Resp: 332669
Ion Ratio Lower Upper
152 100
115 60.8 28.9 86.8
150 158.8 0.0 344.4

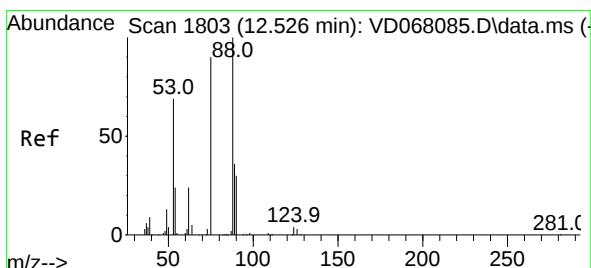
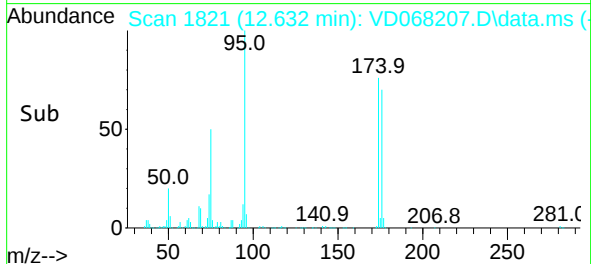
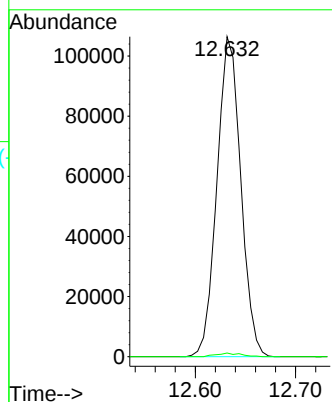
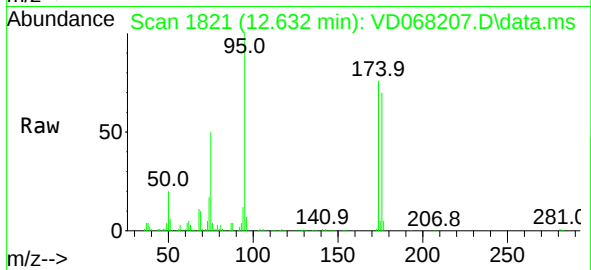




#76
1,2,3-Trichloropropane
Concen: 54.49 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 175257
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.25 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068207.D
Acq: 27 Jan 2021 19:24

Tgt Ion: 75 Resp: 175257
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

