

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012621\
 Data File : VD068190.D
 Acq On : 26 Jan 2021 17:01
 Operator : VA/SY
 Sample : M1241-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 27 00:12:36 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)

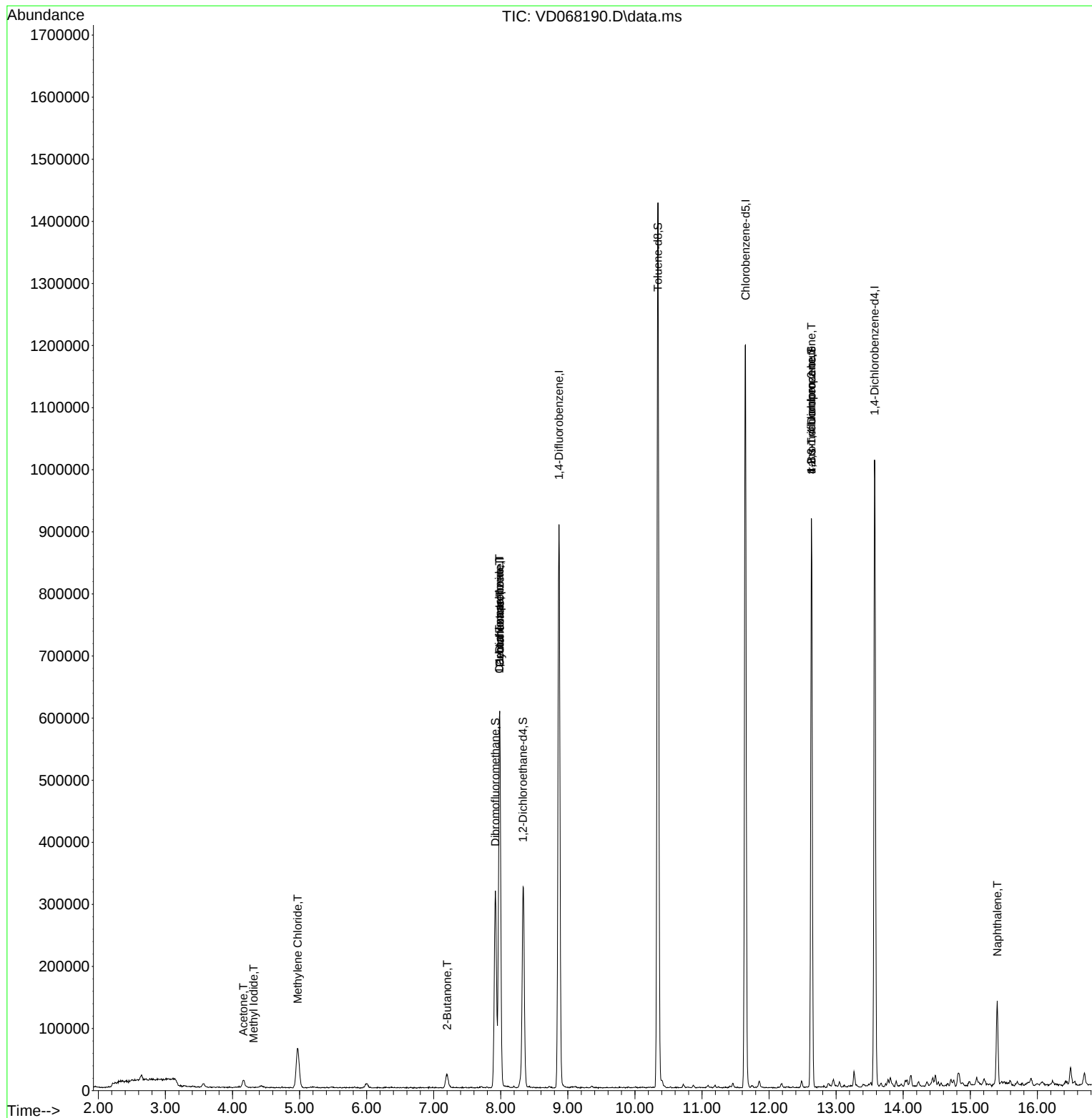
Internal Standards						
1) Pentafluorobenzene	7.985	168	461715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	829187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	714832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	277718	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	261222	59.14	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.28%
35) Dibromofluoromethane	7.920	113	231356	50.47	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.94%
50) Toluene-d8	10.344	98	1005725	54.85	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.70%
62) 4-Bromofluorobenzene	12.632	95	312220	47.28	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.56%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.314	142	78	3.17	ug/l #	38
11) Tert butyl alcohol	5.220	59	601	Below	Cal #	74
16) Acetone	4.162	43	21256	26.95	ug/l	91
20) Methylene Chloride	4.973	84	52906	6.09	ug/l	90
25) 2-Butanone	7.203	43	2326	1.96	ug/l #	43
31) Cyclohexane	7.985	56	10972	1.15	ug/l #	33
36) 1,1-Dichloropropene	7.979	75	36798	4.40	ug/l #	48
38) Carbon Tetrachloride	7.979	117	47242	6.04	ug/l #	15
76) 1,2,3-Trichloropropane	12.632	75	158252	58.93	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	158252	119.26	ug/l #	13
95) Naphthalene	15.402	128	119519	11.40	ug/l	99

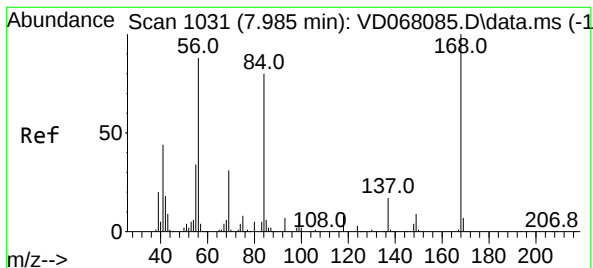
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
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QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration

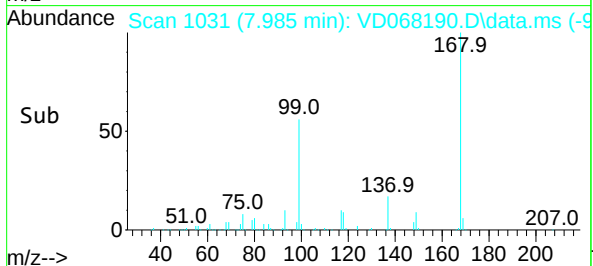
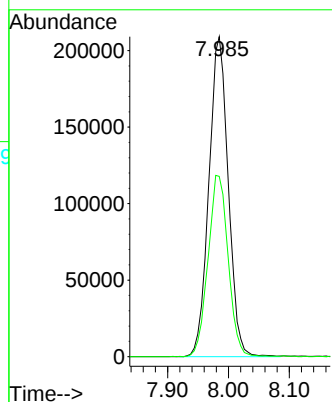
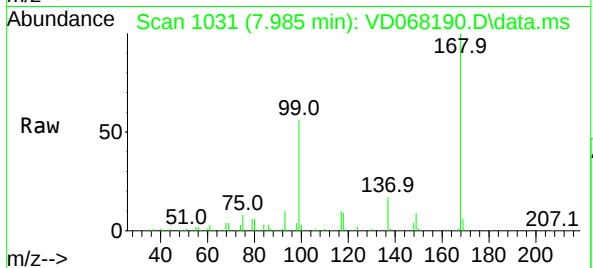




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

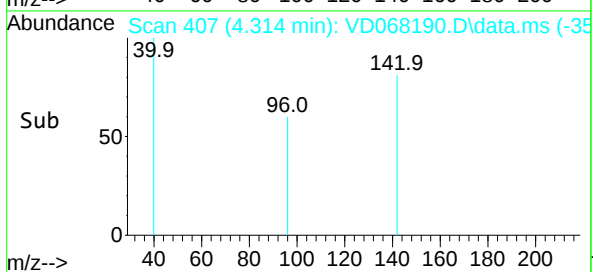
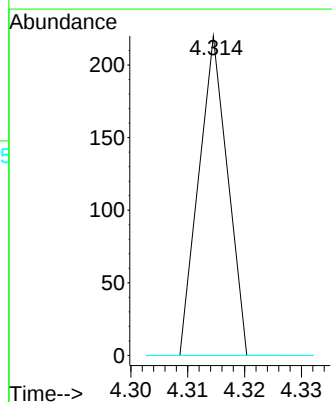
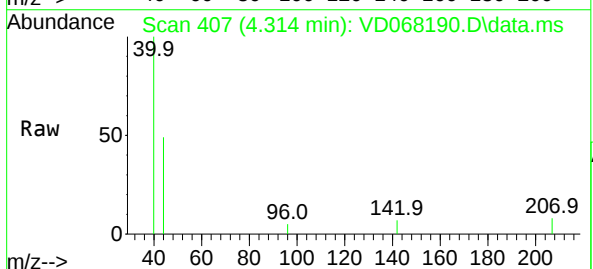
Instrument :
MSVOA_D
ClientSampled :

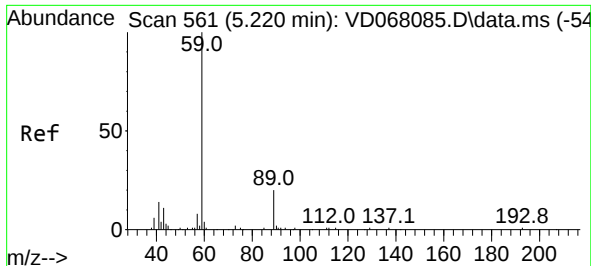
Tgt Ion:168 Resp: 461715
Ion Ratio Lower Upper
168 100
99 56.2 43.5 65.3



#10
Methyl Iodide
Concen: 3.17 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.006 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

Tgt Ion:142 Resp: 78
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

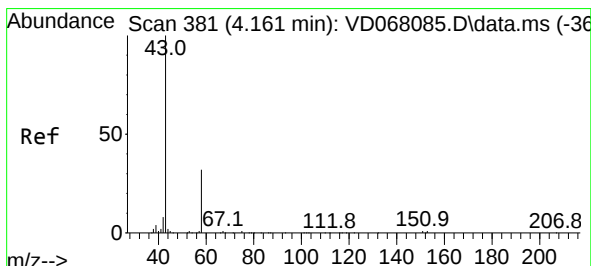
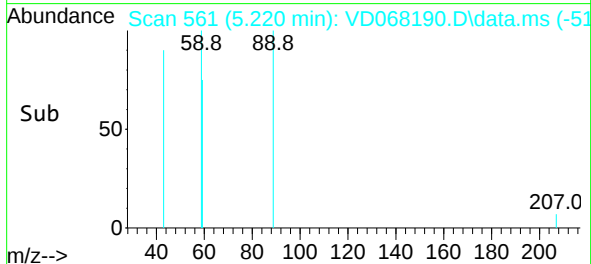
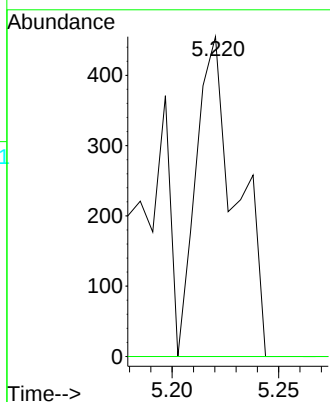
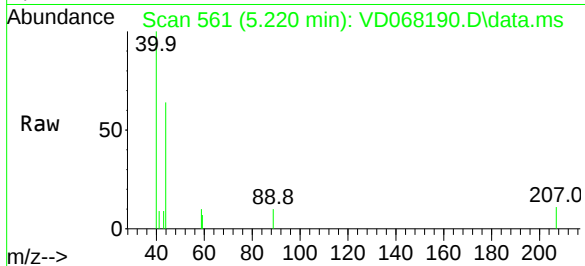




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

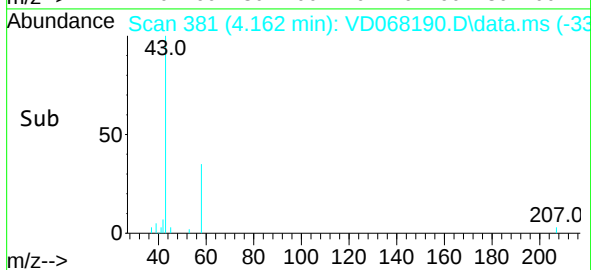
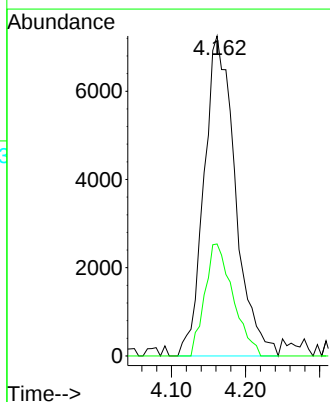
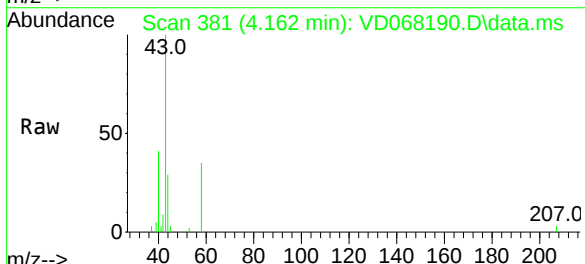
Instrument :
MSVOA_D
ClientSampleId :

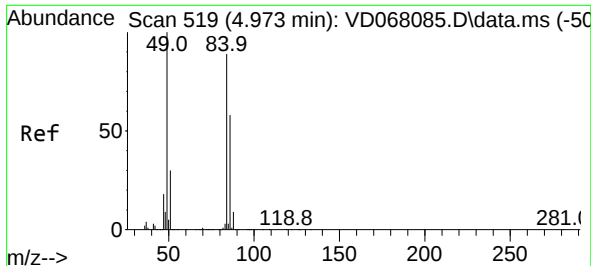
Tgt Ion: 59 Resp: 601
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 26.95 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

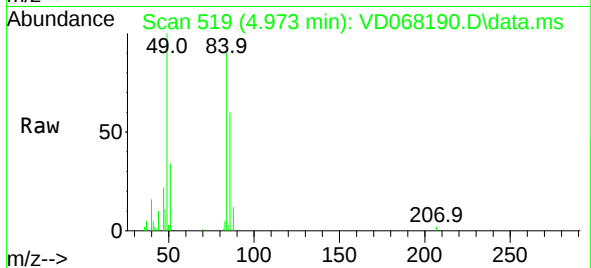
Tgt Ion: 43 Resp: 21256
Ion Ratio Lower Upper
43 100
58 35.0 24.2 36.4



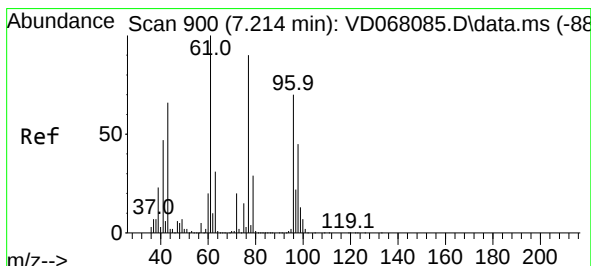
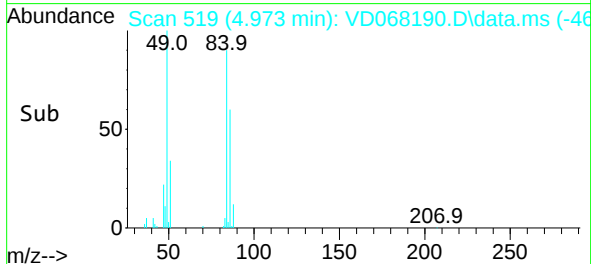
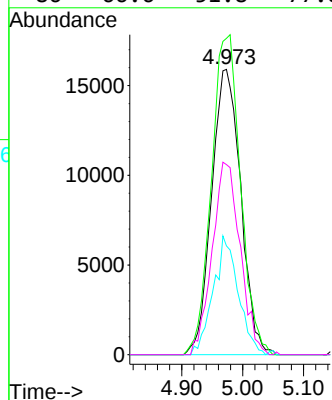


#20
Methylene Chloride
Concen: 6.09 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

Instrument :
MSVOA_D
ClientSampleId :

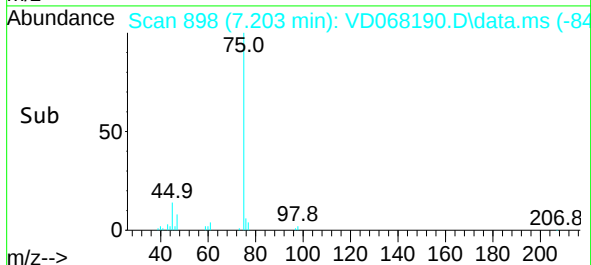
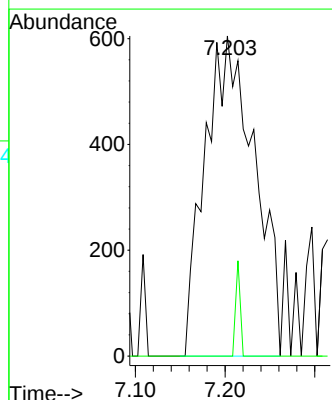
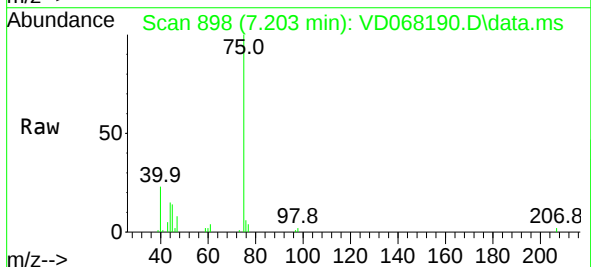


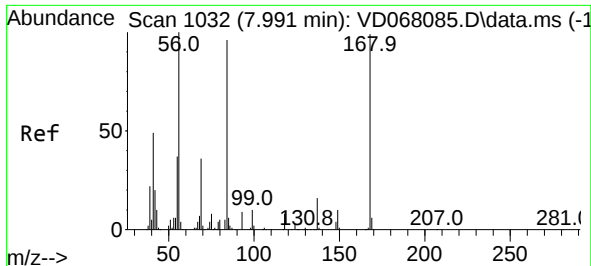
Tgt Ion:	84	Resp:	52906
Ion	Ratio	Lower	Upper
84	100		
49	110.9	77.4	116.2
51	38.1	26.1	39.1
86	66.6	51.8	77.8



#25
2-Butanone
Concen: 1.96 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

Tgt Ion:	43	Resp:	2326
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.1	37.7#

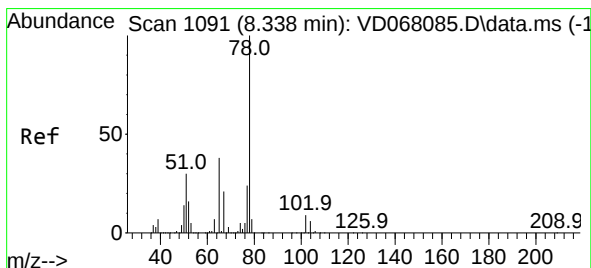
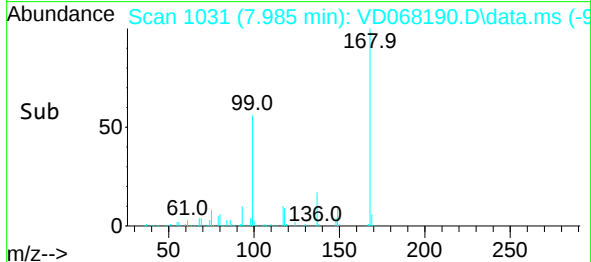
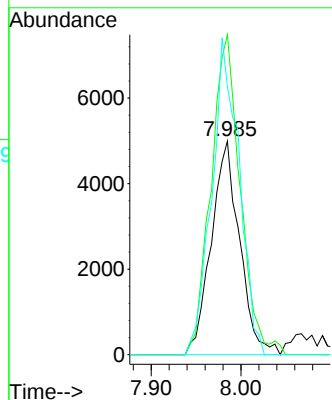
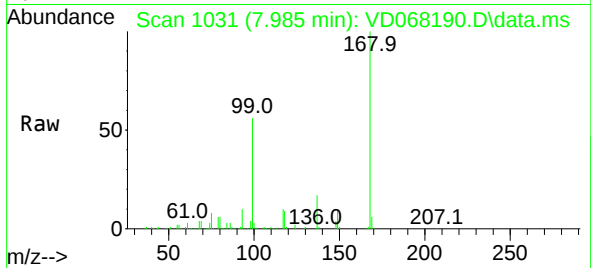




#31
Cyclohexane
Concen: 1.15 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

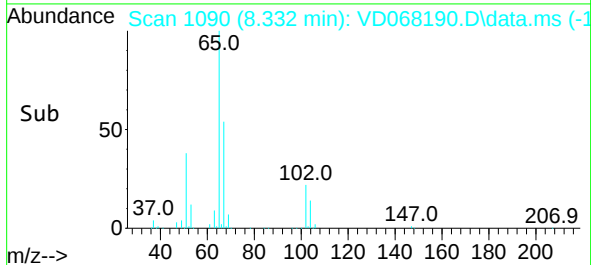
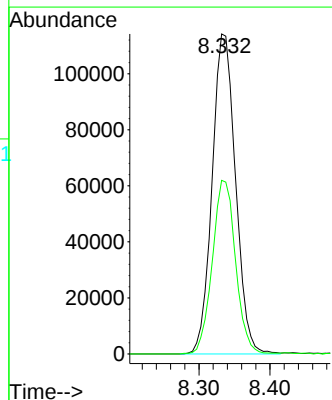
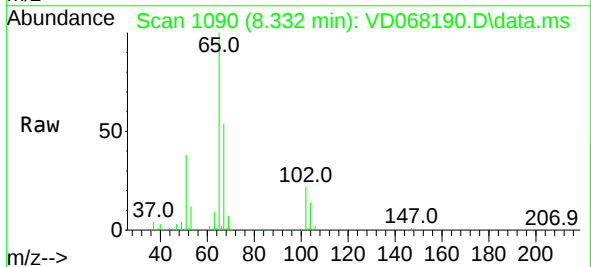
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 10972
Ion Ratio Lower Upper
56 100
69 149.7 30.1 45.1#
84 125.3 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 59.14 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

Tgt Ion: 65 Resp: 261222
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.0

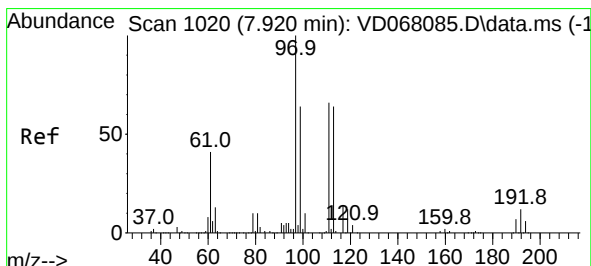
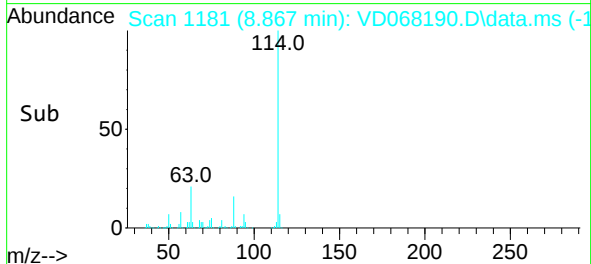
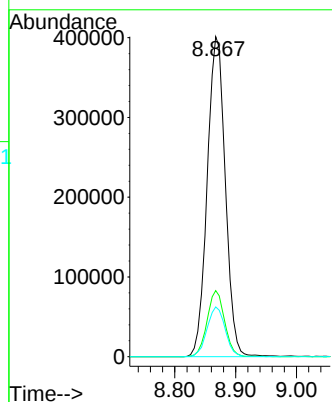
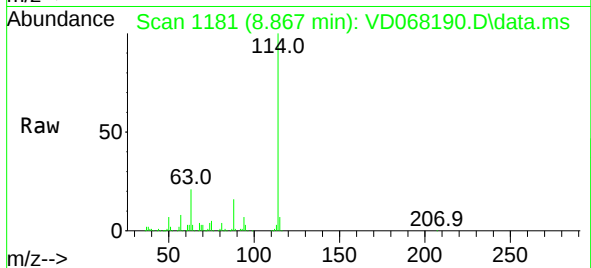




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

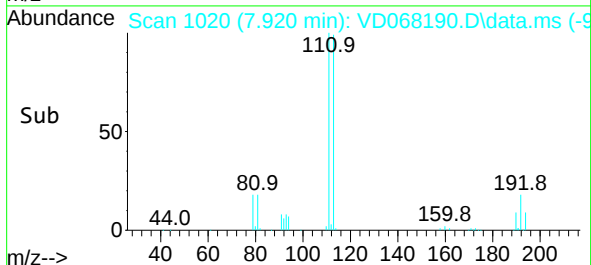
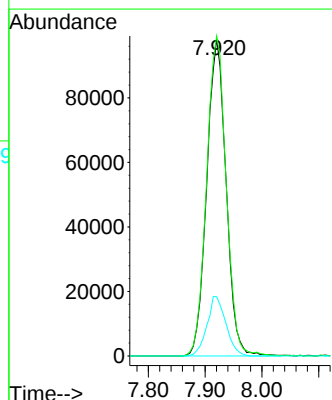
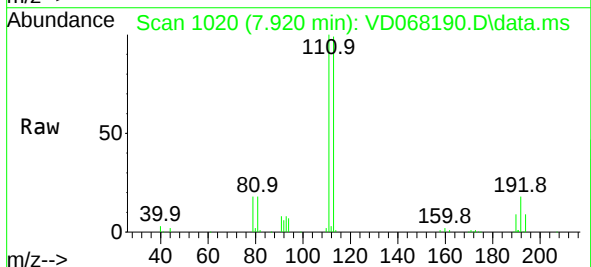
Instrument :
MSVOA_D
ClientSampled :

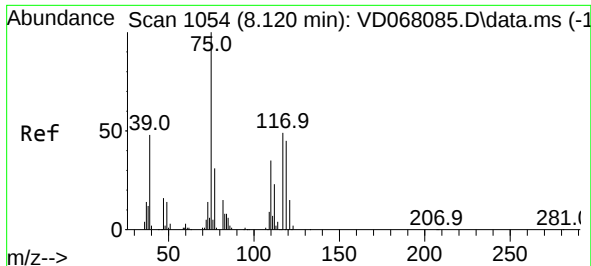
Tgt Ion:114 Resp: 829187
Ion Ratio Lower Upper
114 100
63 20.7 0.0 34.8
88 15.6 0.0 31.6



#35
Dibromofluoromethane
Concen: 50.47 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

Tgt Ion:113 Resp: 231356
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 18.4 16.1 24.1

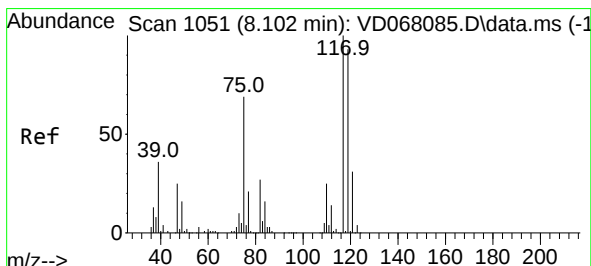
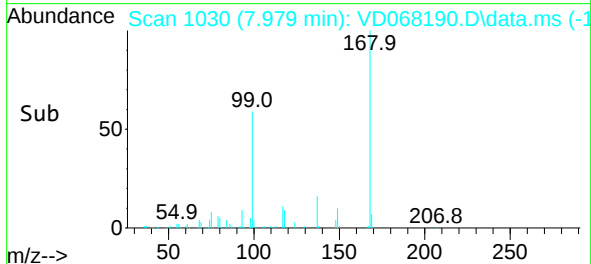
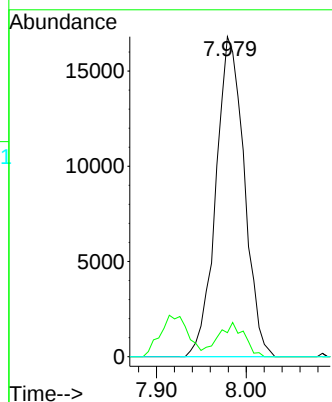
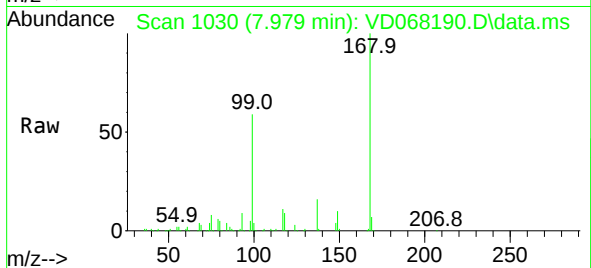




#36
1,1-Dichloropropene
Concen: 4.40 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.141 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

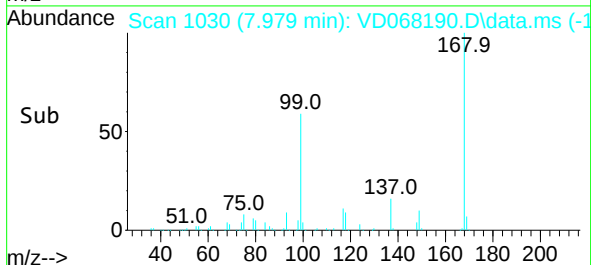
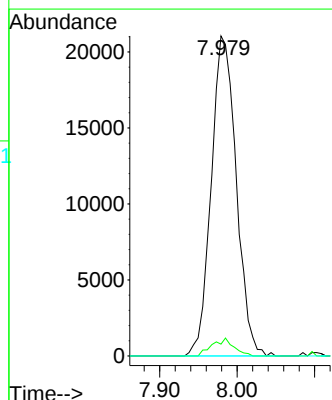
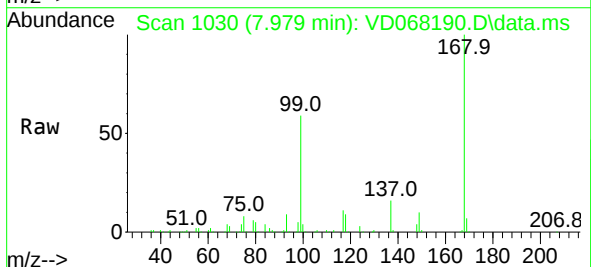
Instrument :
MSVOA_D
ClientSampled :

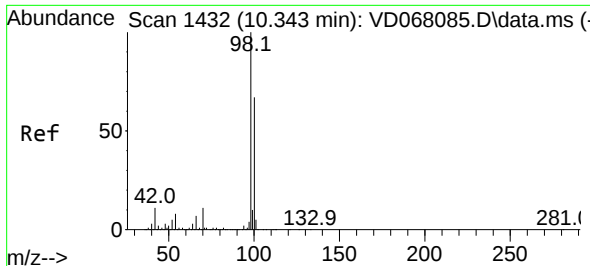
Tgt Ion: 75 Resp: 36798
Ion Ratio Lower Upper
75 100
110 9.9 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

Tgt Ion: 117 Resp: 47242
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 24.7 37.1#

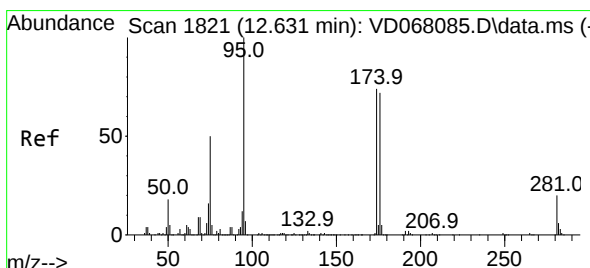
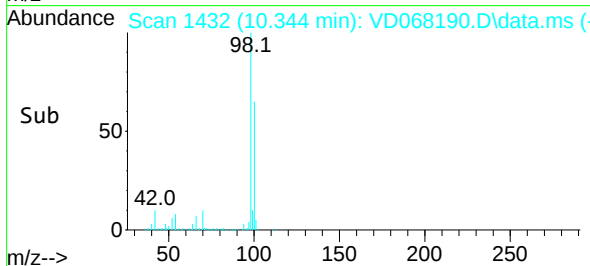
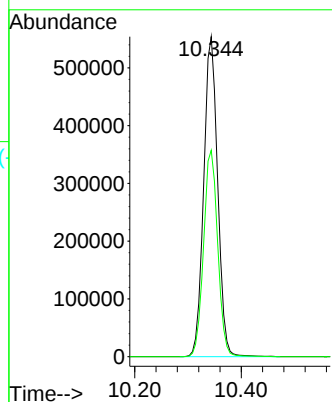
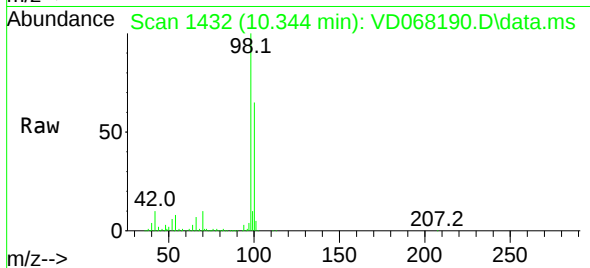




#50
Toluene-d8
Concen: 54.85 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

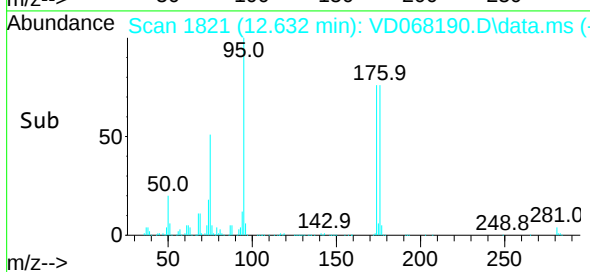
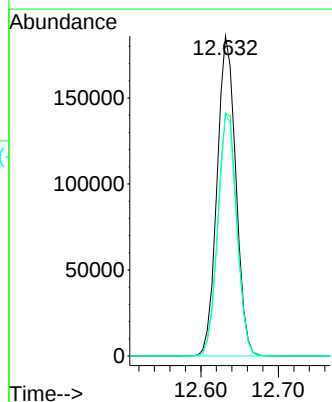
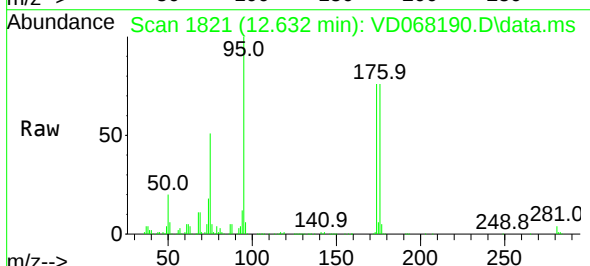
Instrument :
MSVOA_D
ClientSampleId :

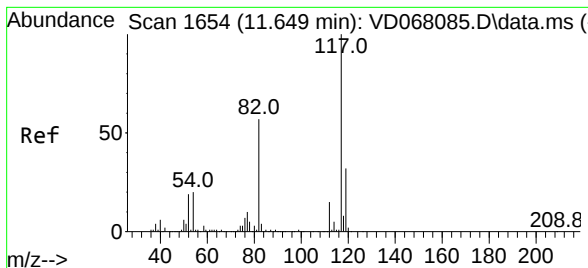
Tgt Ion: 98 Resp: 1005725
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 47.28 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

Tgt Ion: 95 Resp: 312220
Ion Ratio Lower Upper
95 100
174 77.7 0.0 172.4
176 75.5 0.0 168.4

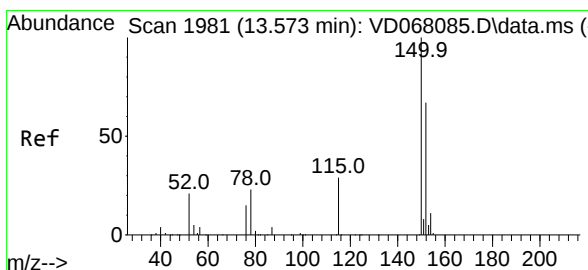
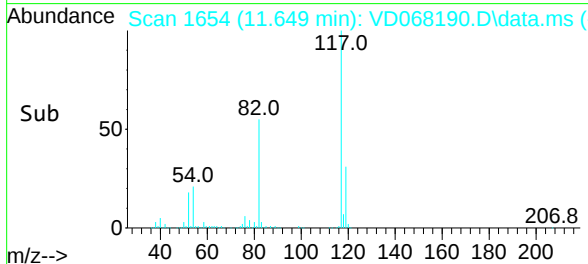
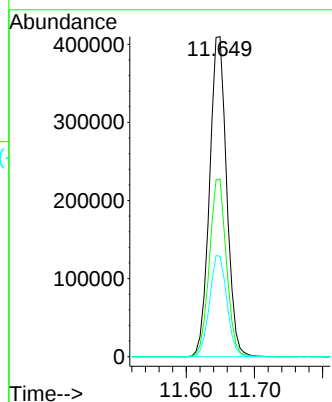
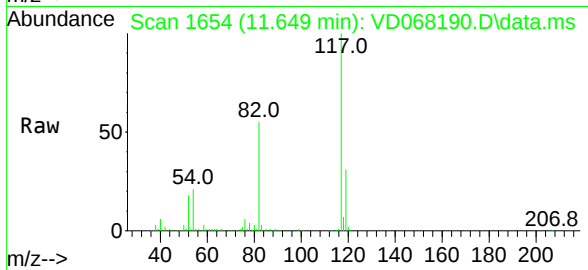




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

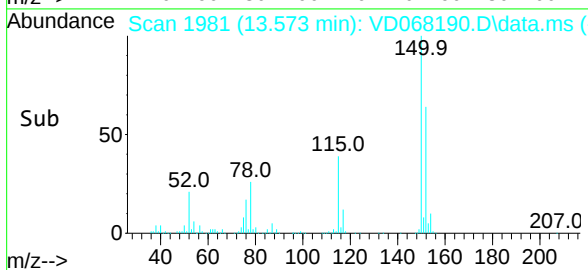
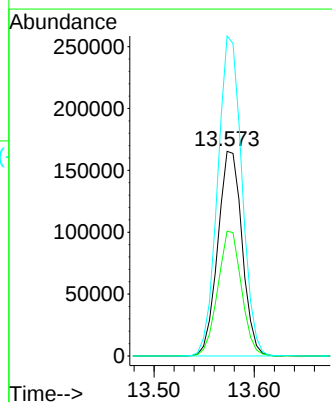
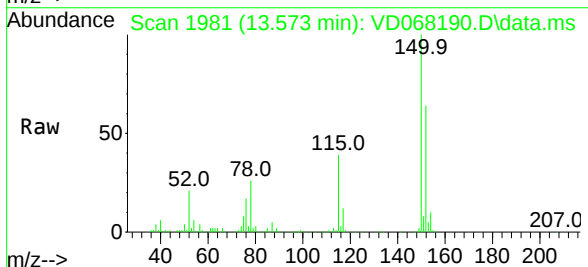
Instrument :
MSVOA_D
ClientSampleId :

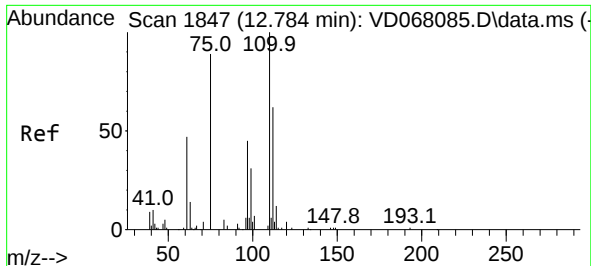
Tgt Ion:117 Resp: 714832
Ion Ratio Lower Upper
117 100
82 55.5 41.4 62.0
119 31.3 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

Tgt Ion:152 Resp: 277718
Ion Ratio Lower Upper
152 100
115 59.7 28.9 86.8
150 156.3 0.0 344.4

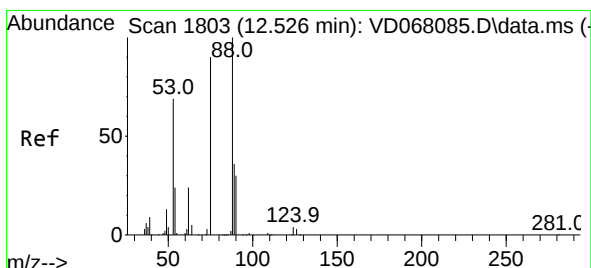
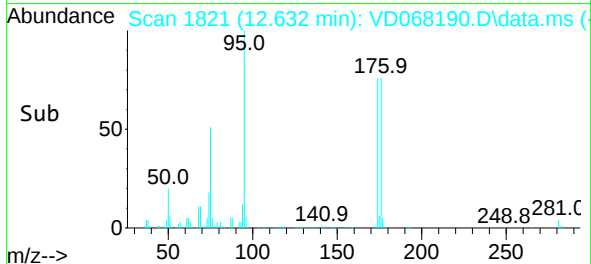
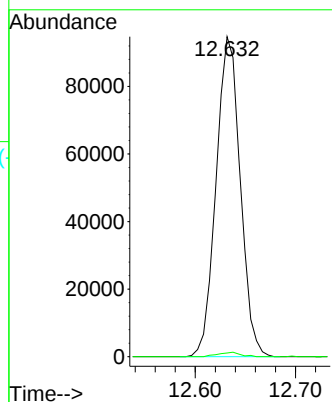
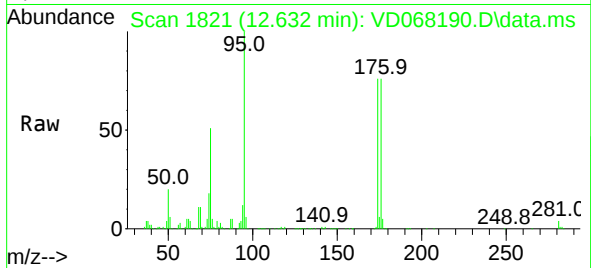




#76
1,2,3-Trichloropropane
Concen: 58.93 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

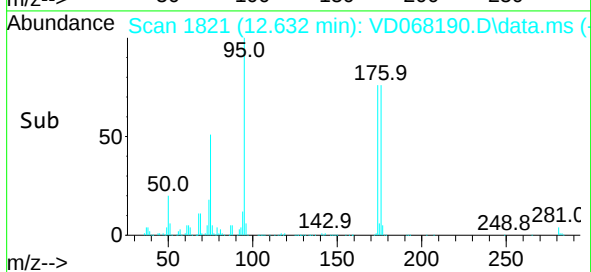
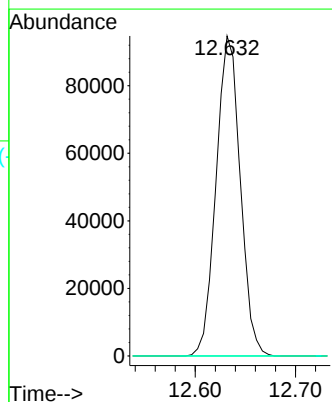
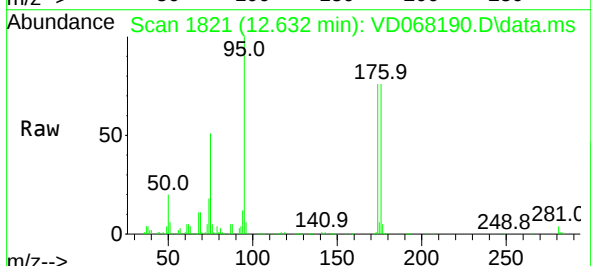
Instrument :
MSVOA_D
ClientSampleId :

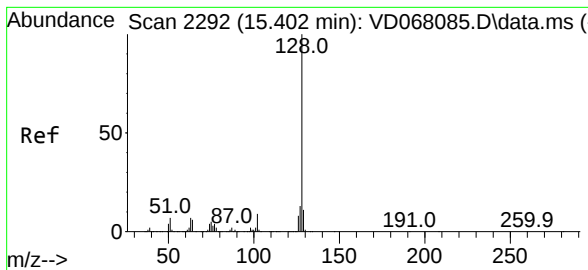
Tgt Ion: 75 Resp: 158252
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.26 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

Tgt Ion: 75 Resp: 158252
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#





#95
Naphthalene
Concen: 11.40 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VD068190.D
Acq: 26 Jan 2021 17:01

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 119519
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.5 8.8 13.2

