

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123020\
 Data File : VD067978.D
 Acq On : 30 Dec 2020 16:33
 Operator : VA/SY
 Sample : L5242-08
 Misc : 5.68G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-4(464+26)VOC-GRAB

Quant Time: Dec 31 00:16:28 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 23 07:34:16 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	213934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	434575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	413218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	163729	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	153475	66.43	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.86%
35) Dibromofluoromethane	7.914	113	155033	56.62	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.24%
50) Toluene-d8	10.338	98	557711	54.19	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.38%
62) 4-Bromofluorobenzene	12.632	95	173768	49.36	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.72%

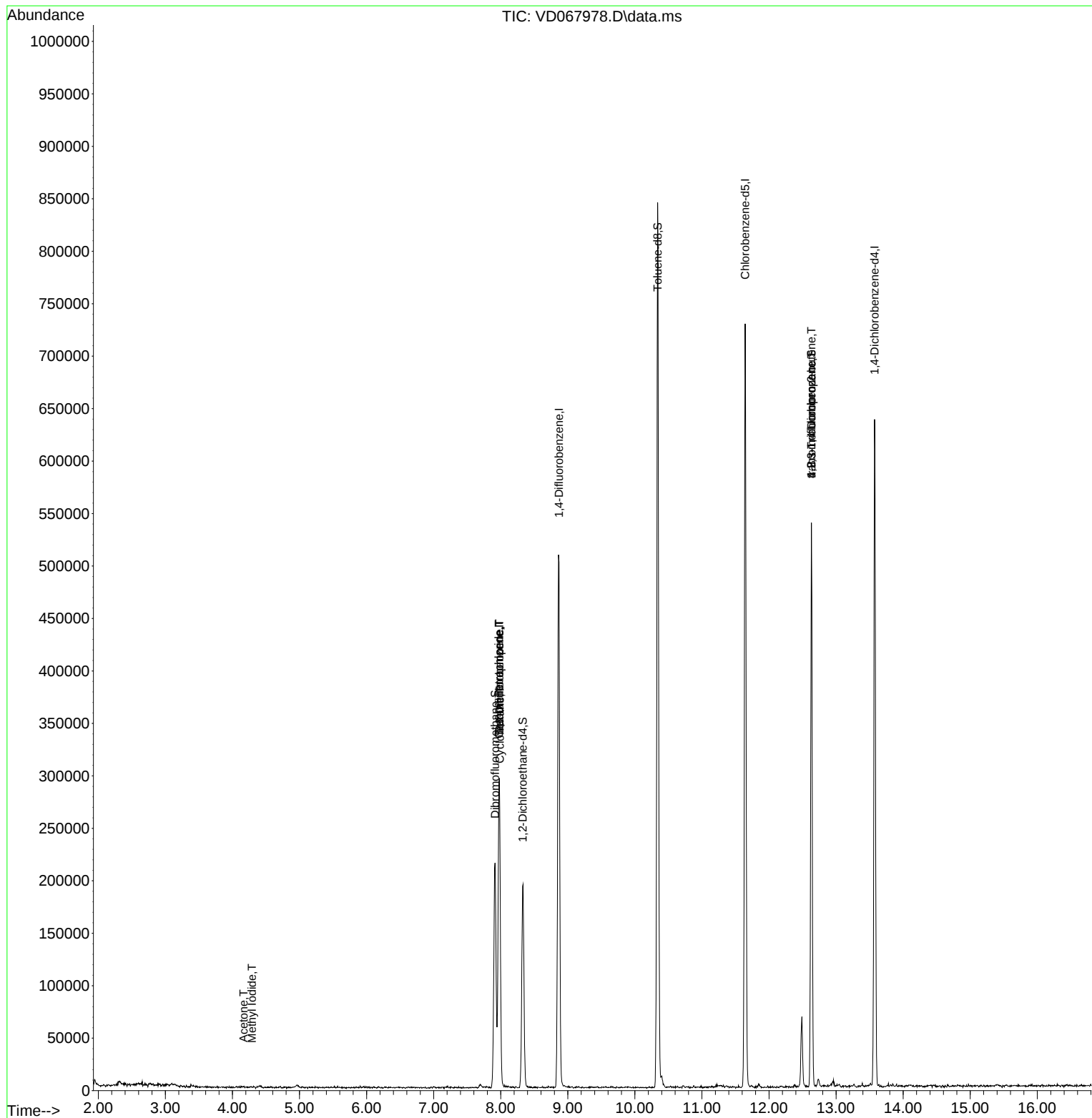
Target Compounds					Qvalue
5) Bromomethane	2.768	94	222	Below Cal	# 1
10) Methyl Iodide	4.291	142	226	3.93 ug/l	# 72
11) Tert butyl alcohol	5.209	59	160	Below Cal	# 74
16) Acetone	4.168	43	1103	2.50 ug/l	# 47
20) Methylene Chloride	4.950	84	803	Below Cal	# 62
31) Cyclohexane	7.985	56	5375	1.14 ug/l	# 22
36) 1,1-Dichloropropene	7.979	75	19429	4.21 ug/l	# 52
38) Carbon Tetrachloride	7.973	117	22333	5.06 ug/l	# 16
76) 1,2,3-Trichloropropane	12.632	75	88280	64.04 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.632	75	88280	131.27 ug/l	# 12

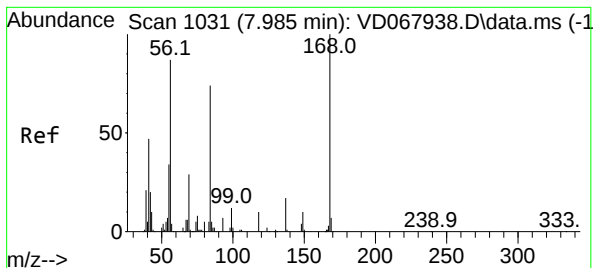
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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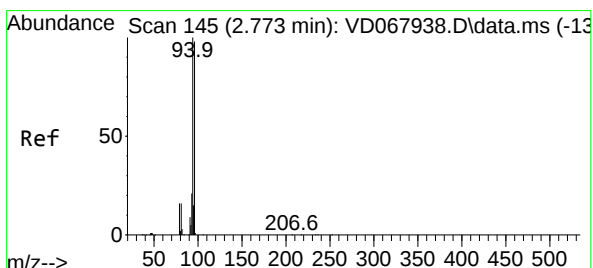
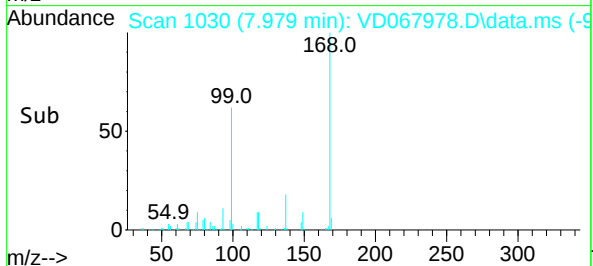
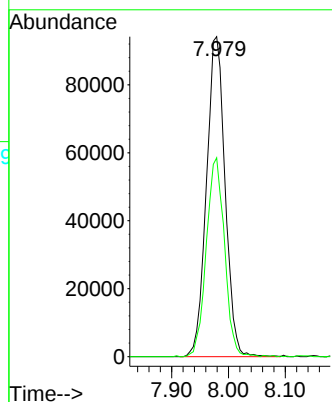
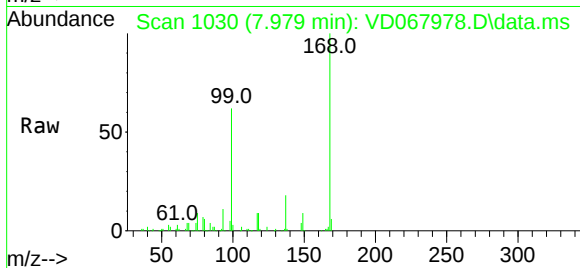




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

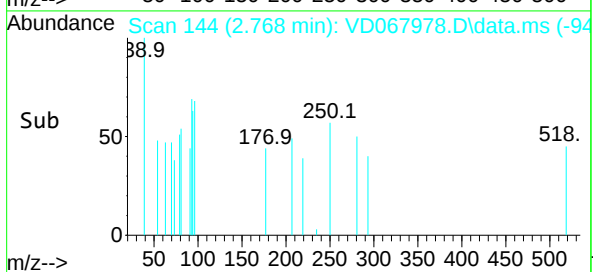
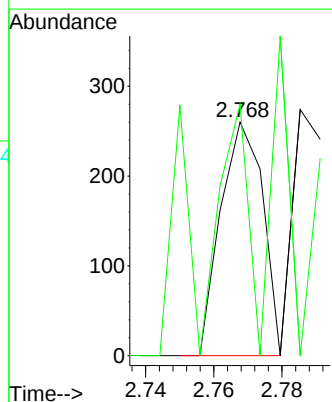
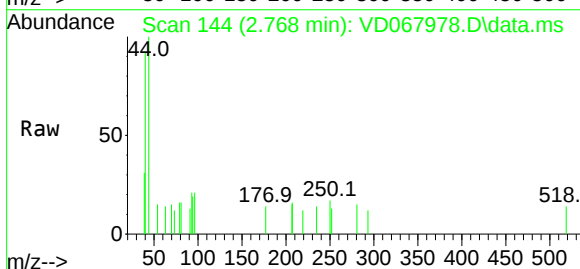
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-4(464+26)VOC-GRAB

Tgt Ion:168 Resp: 213934
Ion Ratio Lower Upper
168 100
99 62.2 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.005 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

Tgt Ion: 94 Resp: 222
Ion Ratio Lower Upper
94 100
96 0.4 78.0 117.0#

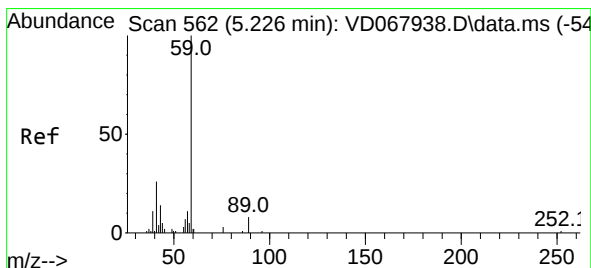
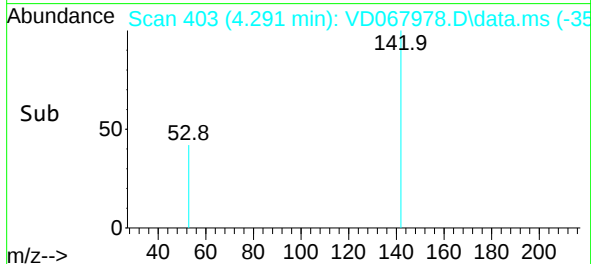
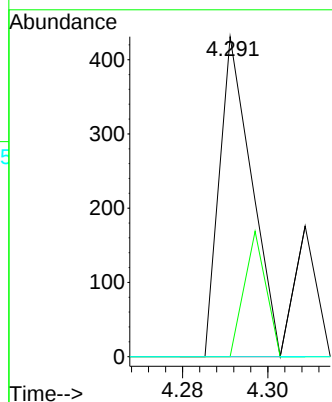
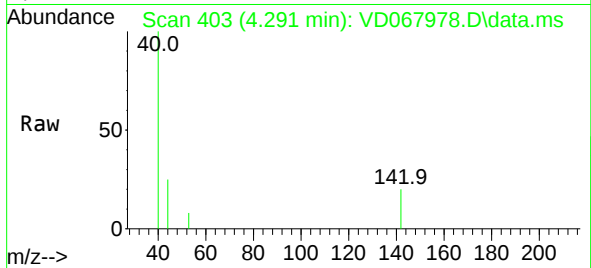




#10
Methyl Iodide
Concen: 3.93 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

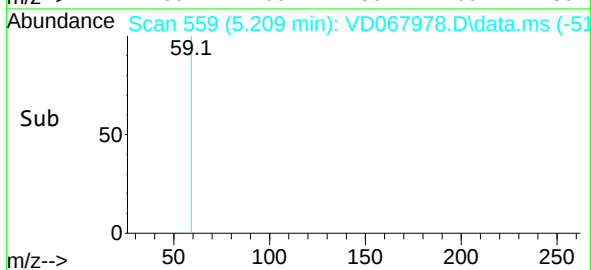
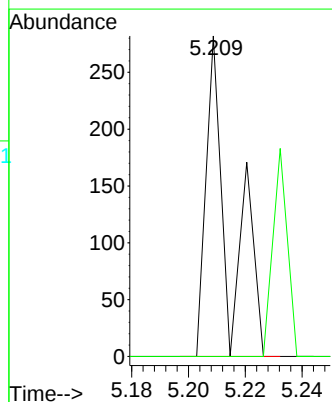
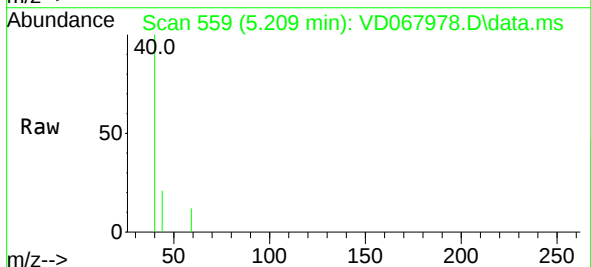
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-4(464+26)VOC-GRAB

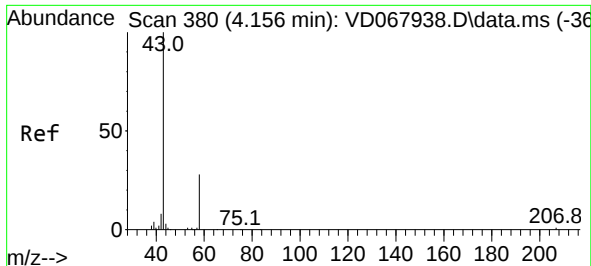
Tgt Ion:142 Resp: 226
Ion Ratio Lower Upper
142 100
127 26.5 34.4 51.6#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.017 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

Tgt Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

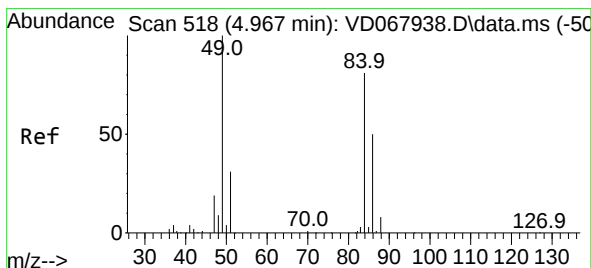
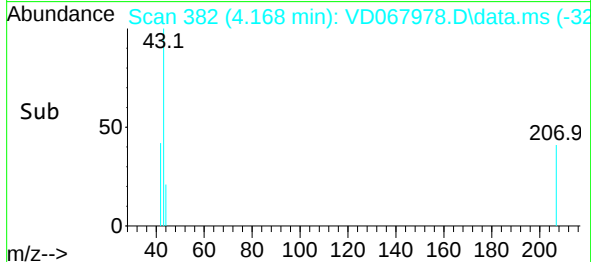
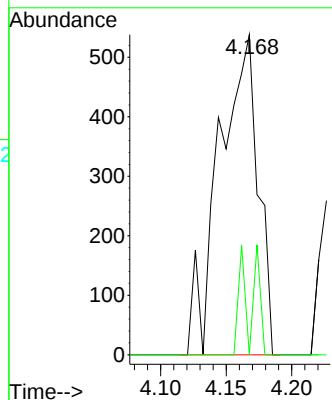
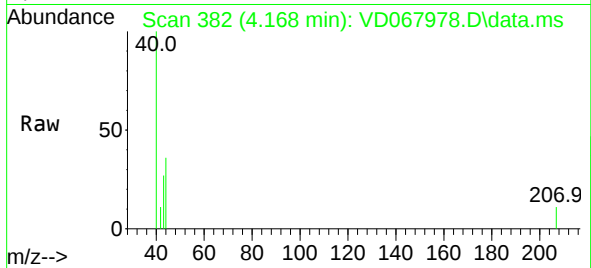




#16
Acetone
Concen: 2.50 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

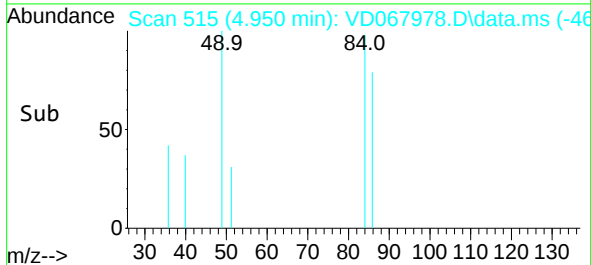
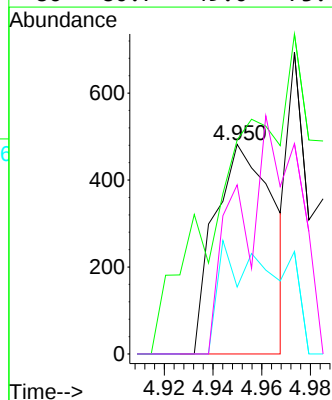
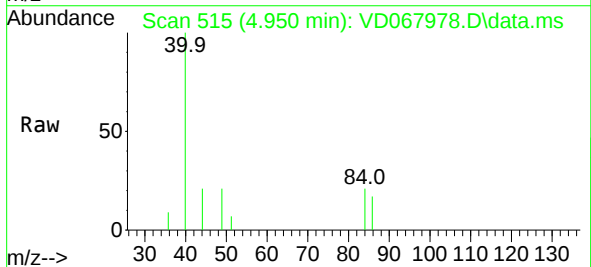
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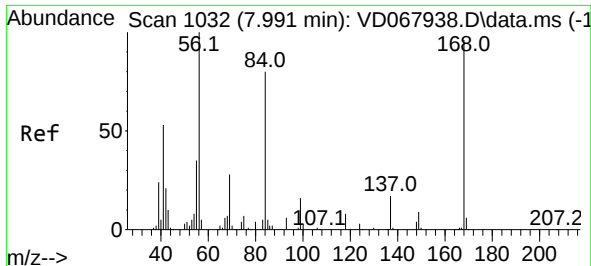
Tgt Ion: 43 Resp: 1103
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.017 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

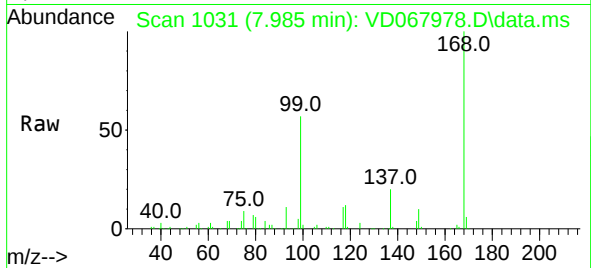
Tgt Ion: 84 Resp: 803
Ion Ratio Lower Upper
84 100
49 64.3 98.3 147.5#
51 32.0 30.3 45.5
86 80.7 49.0 73.4#



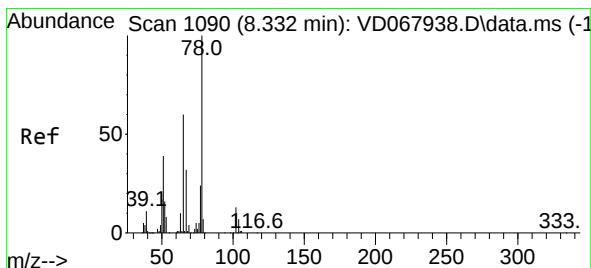
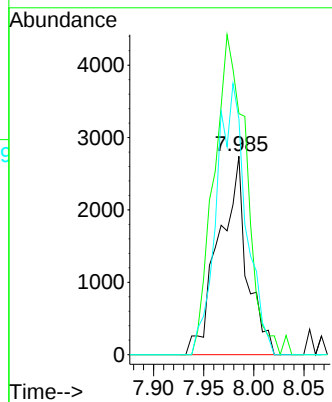
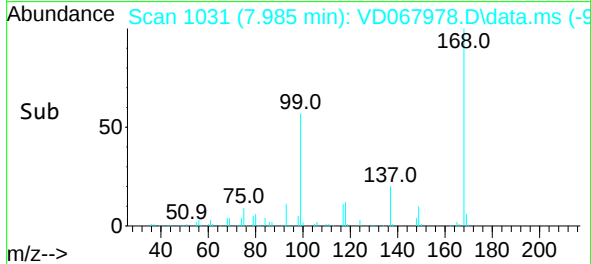


#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

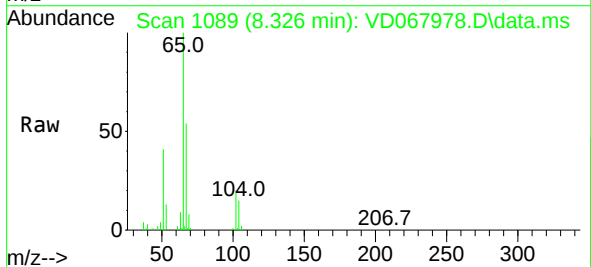
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-4(464+26)VOC-GRAB



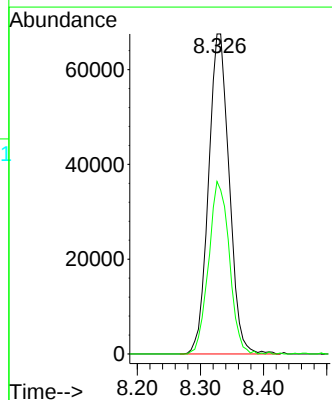
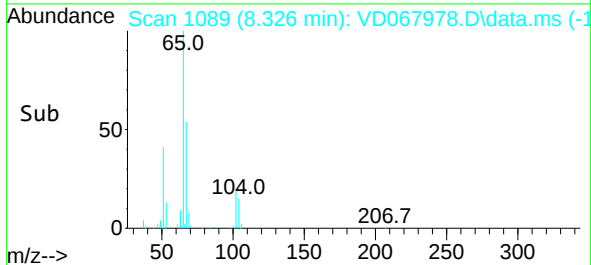
Tgt Ion: 56 Resp: 5375
Ion Ratio Lower Upper
56 100
69 121.6 22.7 34.1#
84 118.8 64.2 96.4#

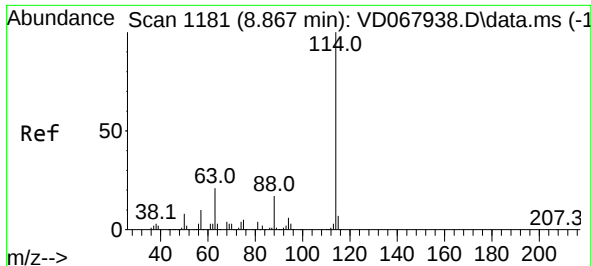


#33
1,2-Dichloroethane-d4
Concen: 66.43 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33



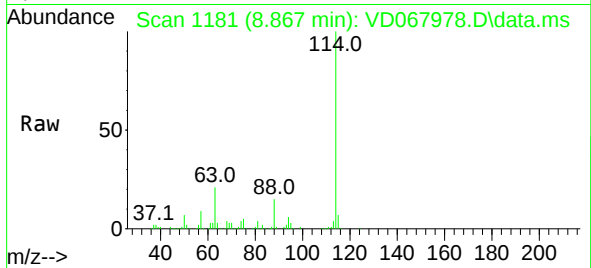
Tgt Ion: 65 Resp: 153475
Ion Ratio Lower Upper
65 100
67 53.9 0.0 110.0



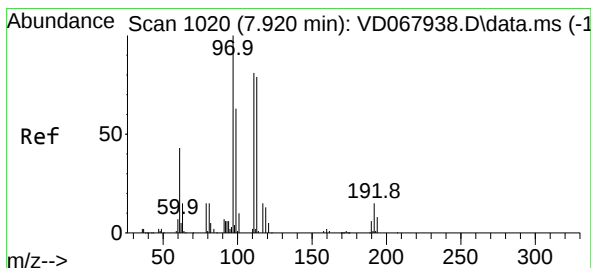
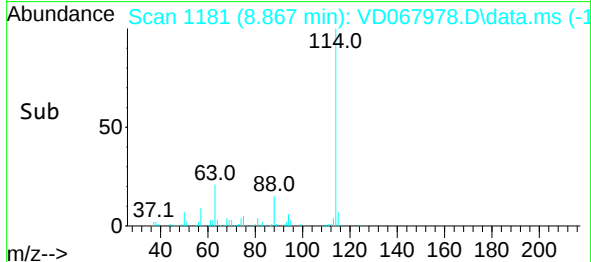
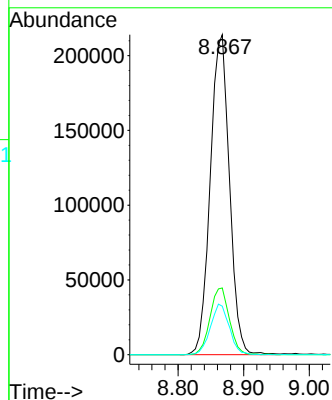


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-4(464+26)VOC-GRAB

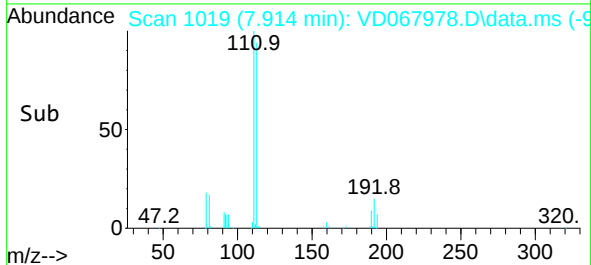
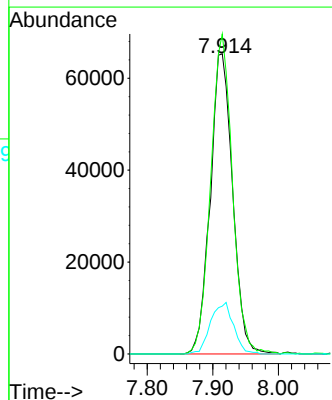
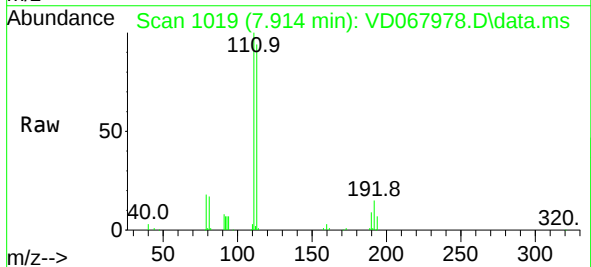


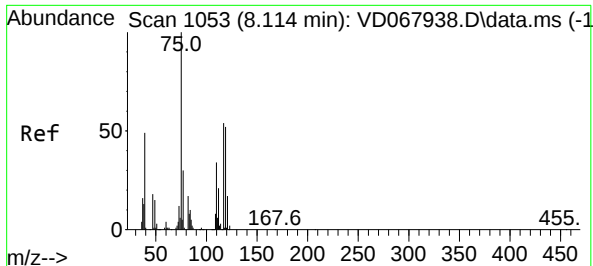
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.4
88	15.2	0.0	33.2



#35
Dibromofluoromethane
Concen: 56.62 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	79.3	118.9
192	17.6	14.5	21.7

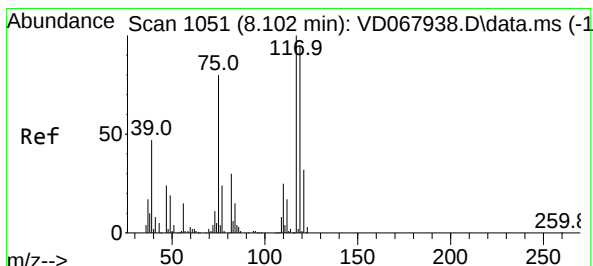
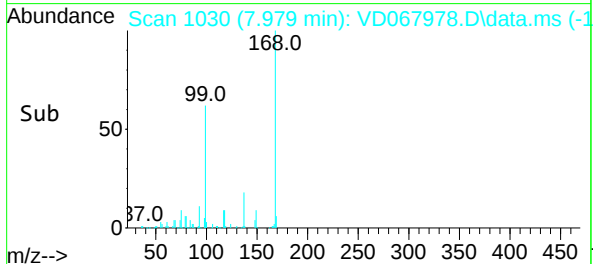
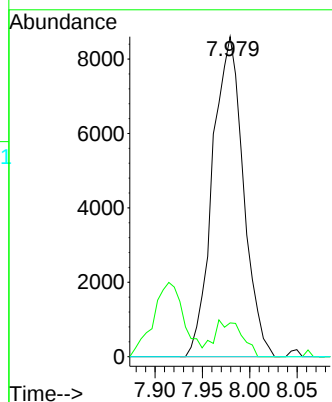
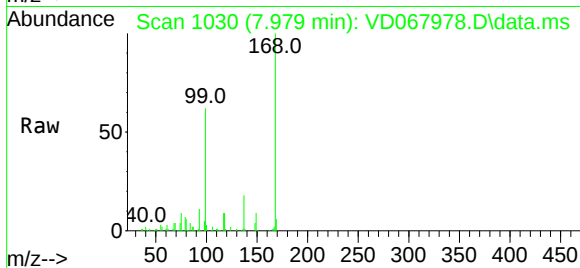




#36
1,1-Dichloropropene
Concen: 4.21 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

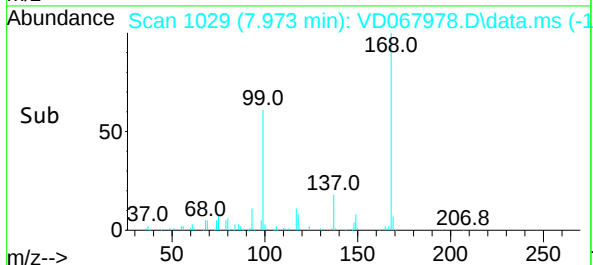
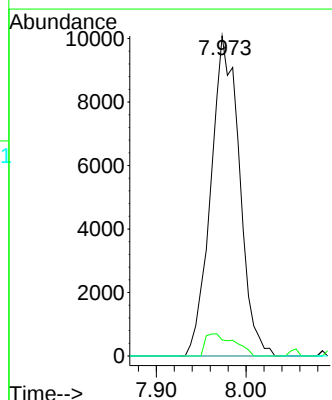
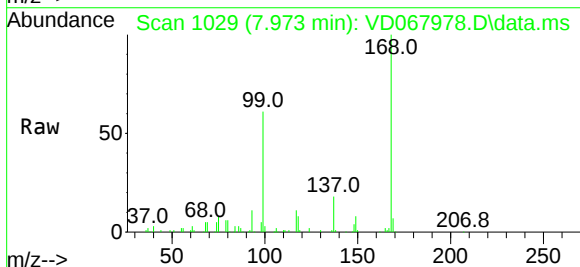
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SAMPLE-4(464+26)VOC-GRAB

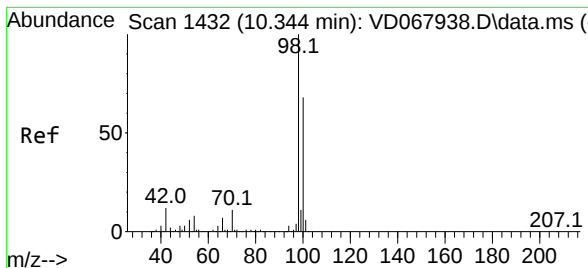
Tgt Ion: 75 Resp: 19429
Ion Ratio Lower Upper
75 100
110 10.3 17.0 51.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.06 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

Tgt Ion: 117 Resp: 22333
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.4#
121 0.0 25.9 38.9#

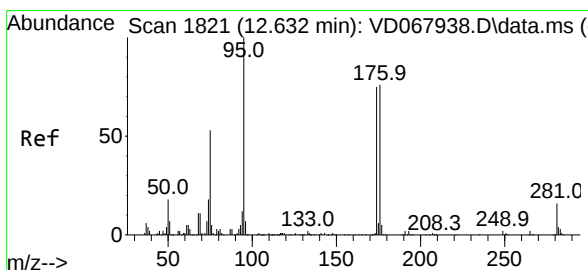
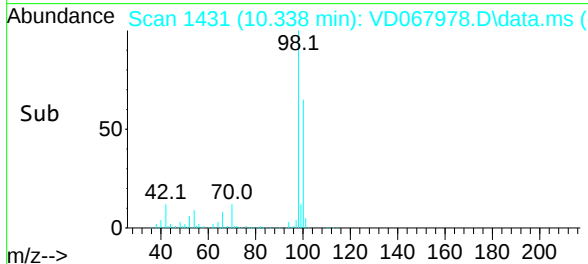
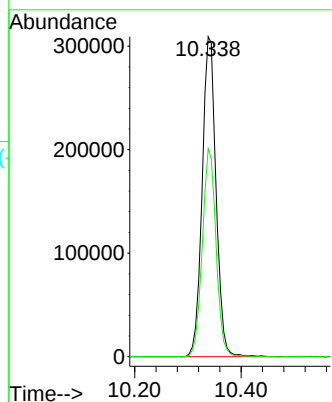
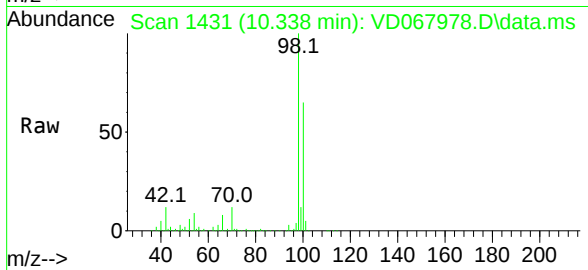




#50
Toluene-d8
Concen: 54.19 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

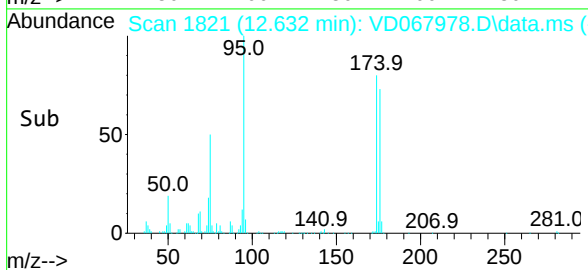
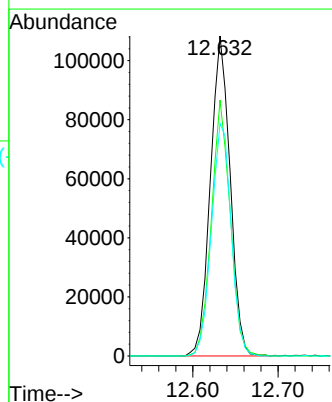
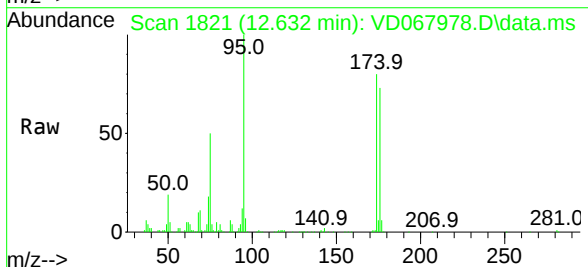
Instrument :
MSVOA_D
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SAMPLE-4(464+26)VOC-GRAB

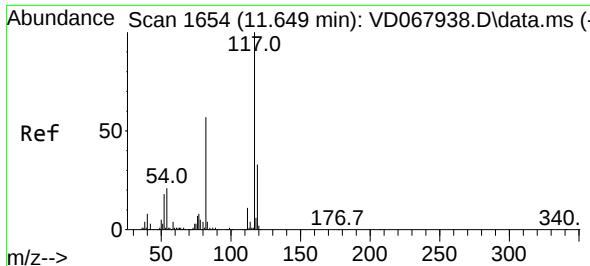
Tgt Ion: 98 Resp: 557711
Ion Ratio Lower Upper
98 100
100 64.5 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 49.36 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

Tgt Ion: 95 Resp: 173768
Ion Ratio Lower Upper
95 100
174 76.5 0.0 150.6
176 72.9 0.0 151.2

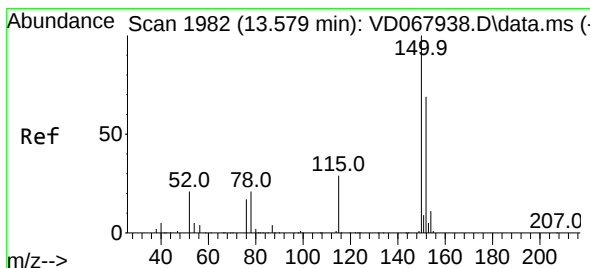
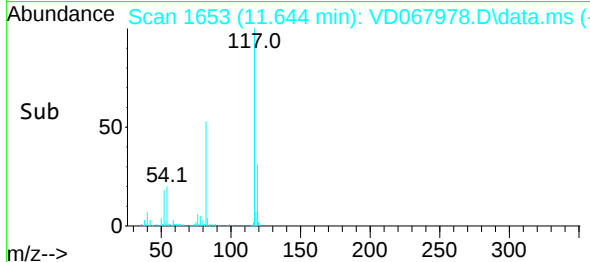
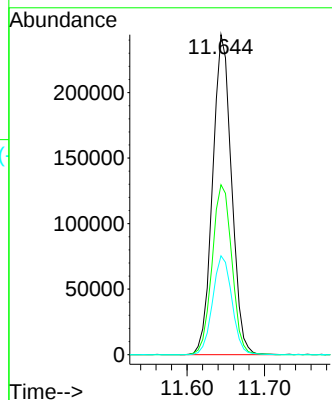
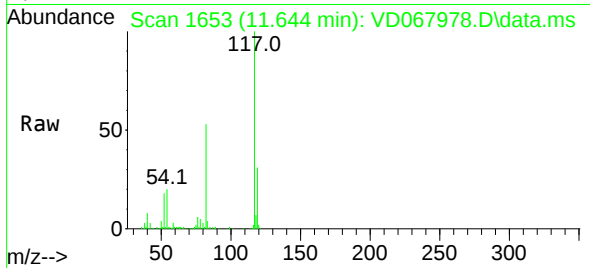




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

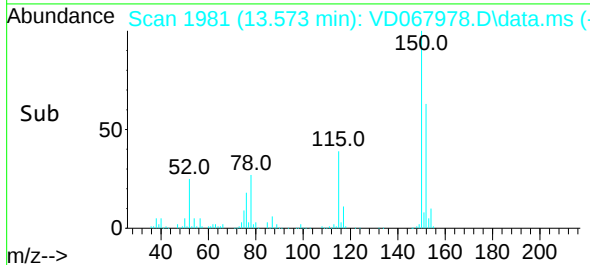
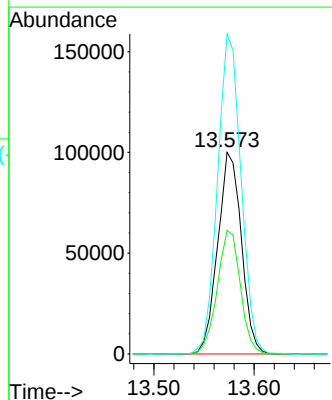
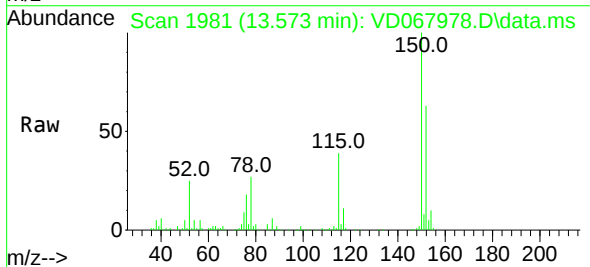
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-4(464+26)VOC-GRAB

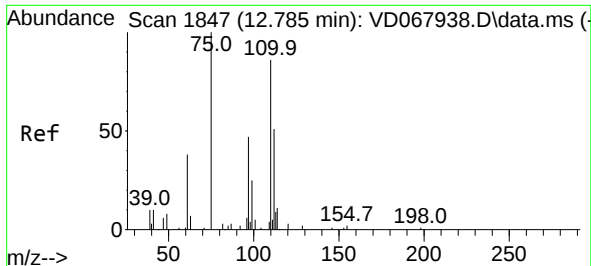
Tgt Ion:117 Resp: 413218
Ion Ratio Lower Upper
117 100
82 53.1 45.4 68.0
119 30.9 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

Tgt Ion:152 Resp: 163729
Ion Ratio Lower Upper
152 100
115 60.0 29.3 88.0
150 157.6 0.0 340.0

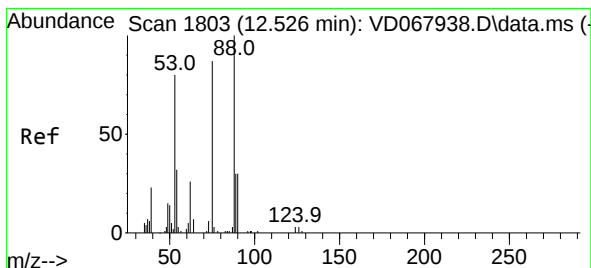
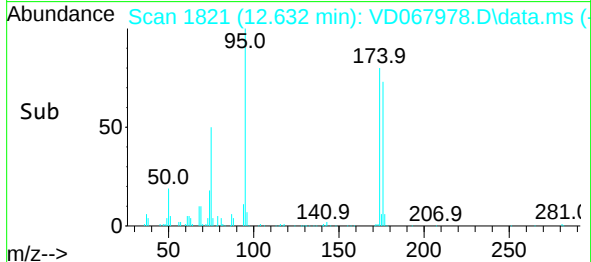
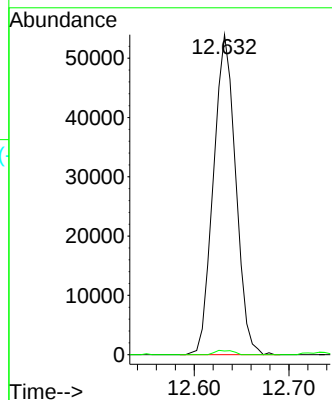
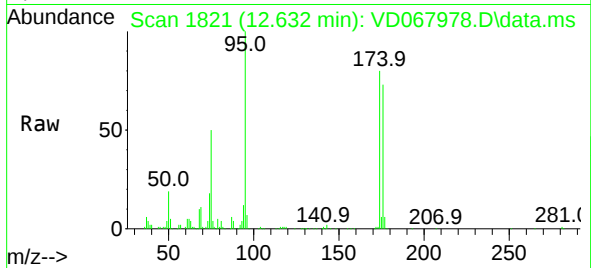




#76
1,2,3-Trichloropropane
Concen: 64.04 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-4(464+26)VOC-GRAB

Tgt Ion: 75 Resp: 88280
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.27 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD067978.D
Acq: 30 Dec 2020 16:33

Tgt Ion: 75 Resp: 88280
Ion Ratio Lower Upper
75 100
53 0.0 74.9 112.3#
89 0.2 33.8 50.8#

