

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123020\
 Data File : VD067979.D
 Acq On : 30 Dec 2020 17:00
 Operator : VA/SY
 Sample : L5242-10
 Misc : 5.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-5(454+26)VOC-GRAB

Quant Time: Dec 31 00:16:44 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)

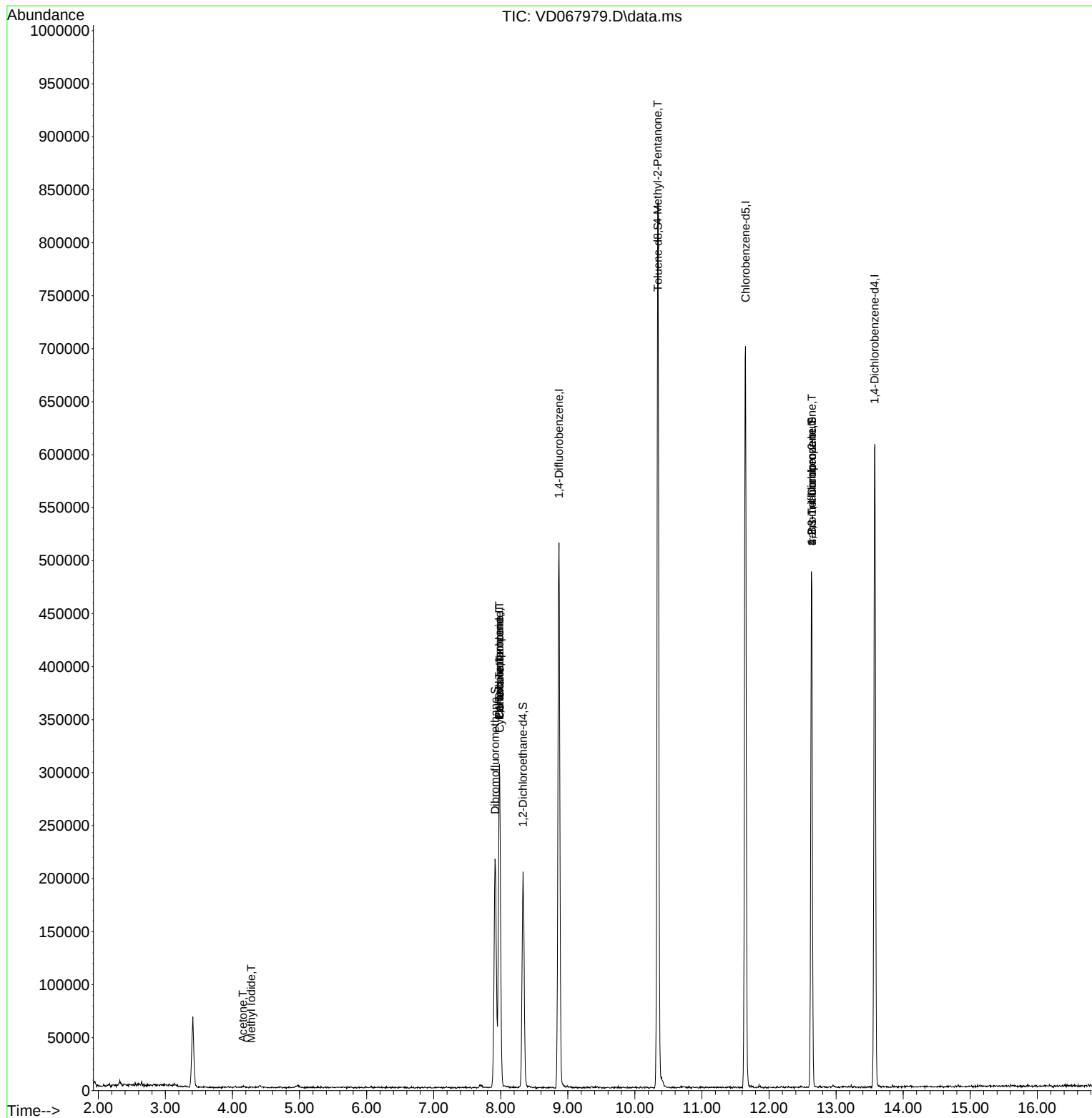
Internal Standards						
1) Pentafluorobenzene	7.979	168	205387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	430325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	403875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	157835	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	157500	71.01	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.02%			
35) Dibromofluoromethane	7.914	113	154697	57.05	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.10%			
50) Toluene-d8	10.344	98	558141	54.77	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.54%			
62) 4-Bromofluorobenzene	12.638	95	163132	46.79	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.58%			
Target Compounds						
5) Bromomethane	2.773	94	184	Below Cal	#	28
10) Methyl Iodide	4.279	142	57	3.87 ug/l	#	41
11) Tert butyl alcohol	5.209	59	173	Below Cal	#	74
16) Acetone	4.156	43	826	1.95 ug/l	#	47
20) Methylene Chloride	4.962	84	1690	Below Cal	#	52
31) Cyclohexane	7.985	56	5995	1.32 ug/l	#	18
36) 1,1-Dichloropropene	7.979	75	19820	4.33 ug/l	#	48
38) Carbon Tetrachloride	7.979	117	22875	5.24 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.338	43	2855	1.62 ug/l	#	1
76) 1,2,3-Trichloropropane	12.638	75	81888	61.62 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.638	75	81888	126.31 ug/l	#	12

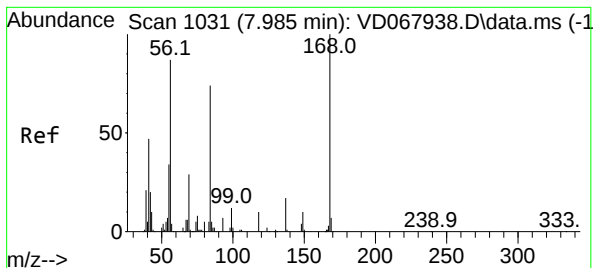
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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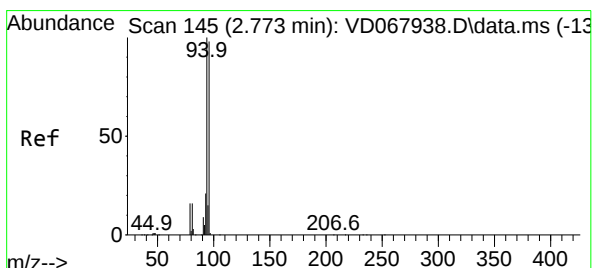
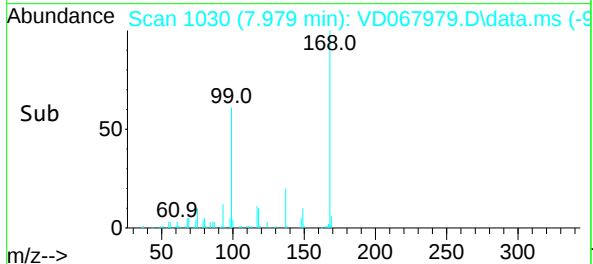
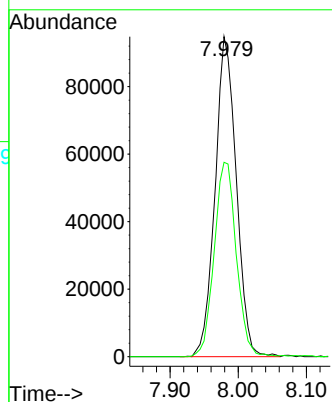
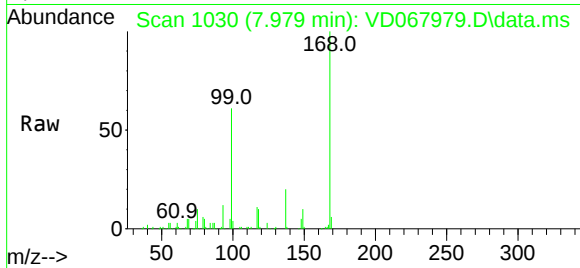




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

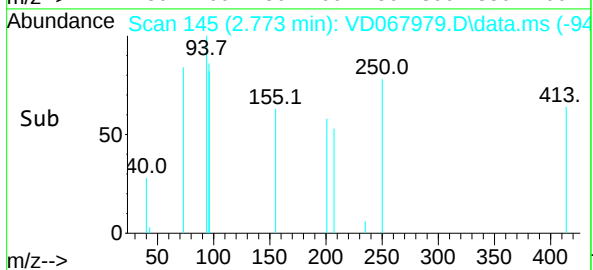
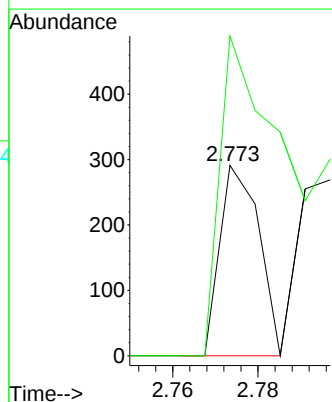
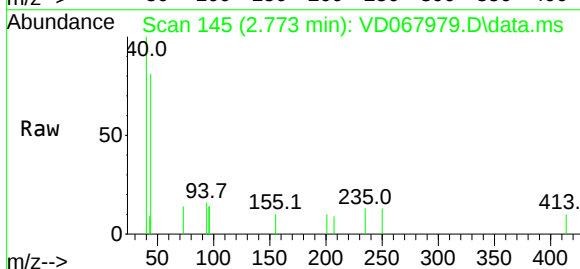
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-5(454+26)VOC-GRAB

Tgt Ion:168 Resp: 205387
Ion Ratio Lower Upper
168 100
99 60.8 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.000 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

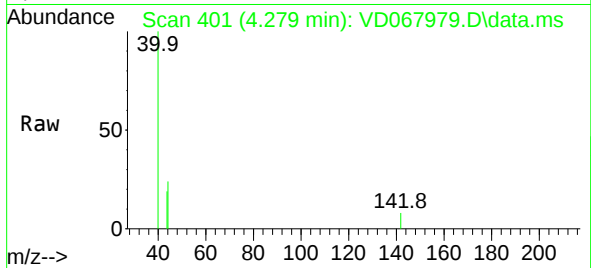
Tgt Ion: 94 Resp: 184
Ion Ratio Lower Upper
94 100
96 168.0 78.0 117.0#



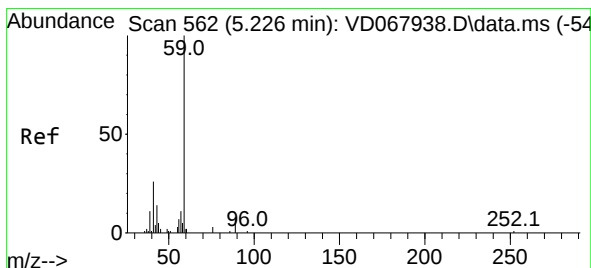
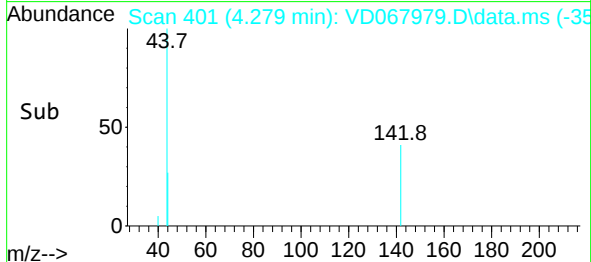
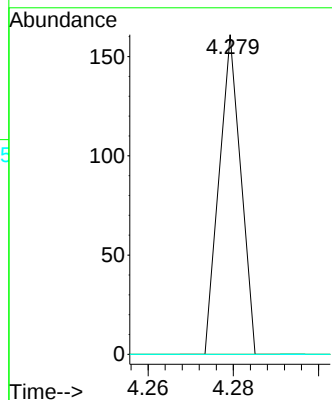


#10
Methyl Iodide
Concen: 3.87 ug/l
RT: 4.279 min Scan# 401
Delta R.T. -0.024 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-5(454+26)VOC-GRAB

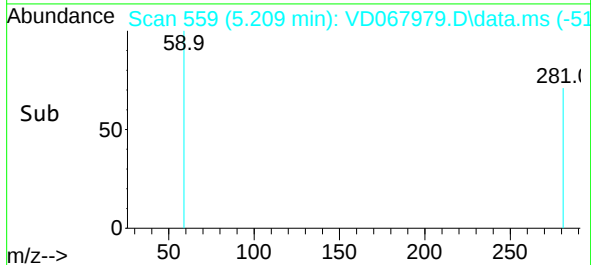
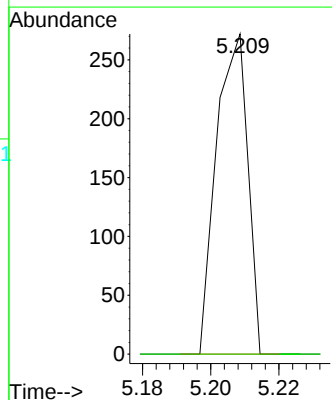
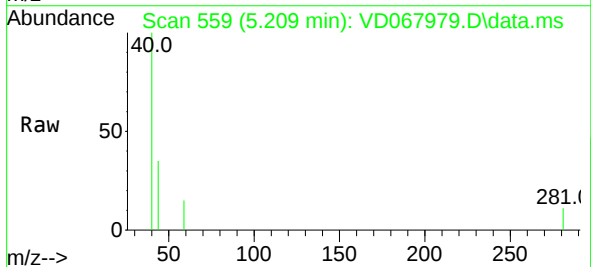


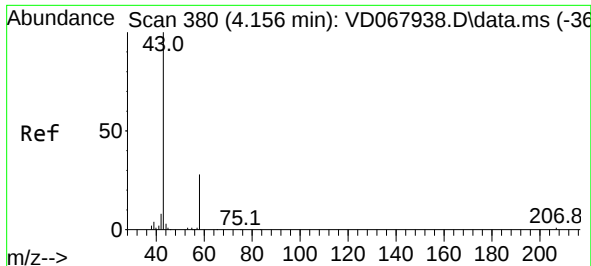
Tgt Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.017 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 59 Resp: 173
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

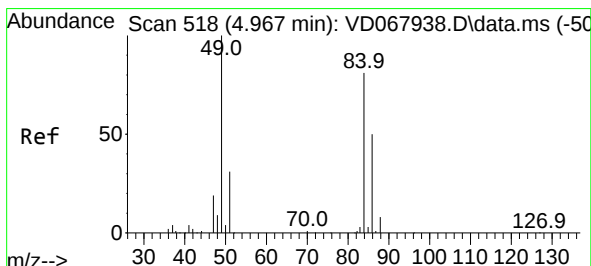
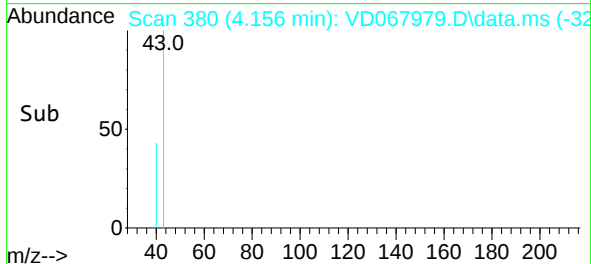
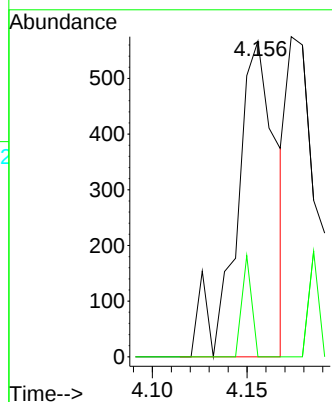
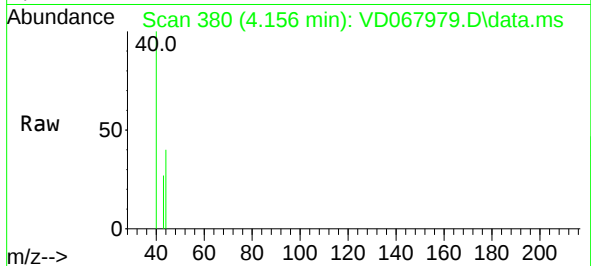




#16
Acetone
Concen: 1.95 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

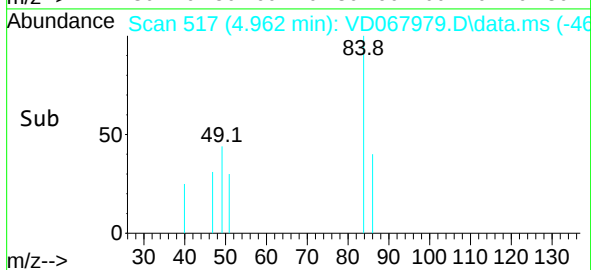
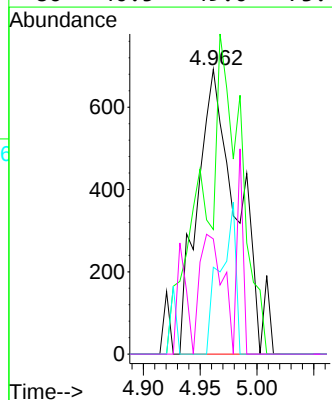
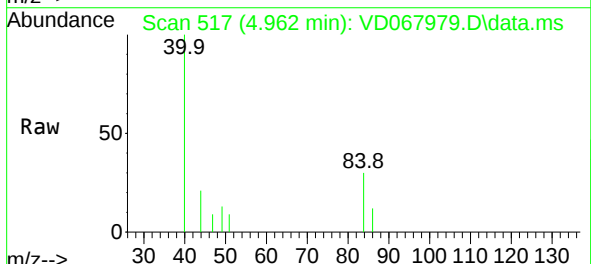
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-5(454+26)VOC-GRAB

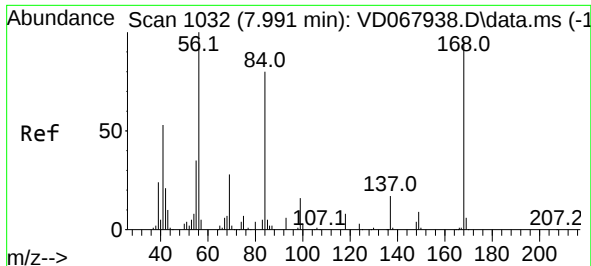
Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

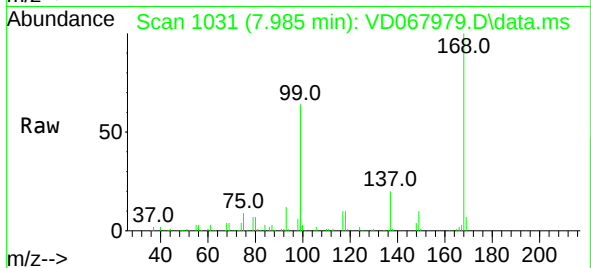
Tgt Ion: 84 Resp: 1690
Ion Ratio Lower Upper
84 100
49 43.8 98.3 147.5#
51 30.5 30.3 45.5
86 40.5 49.0 73.4#



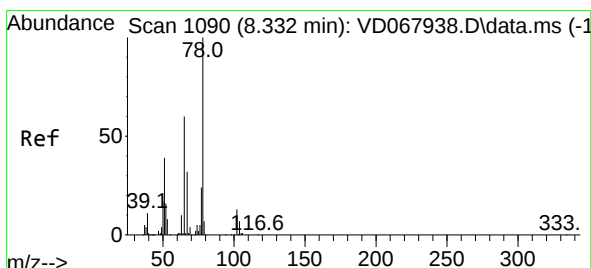
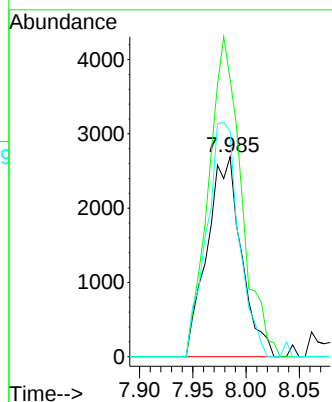
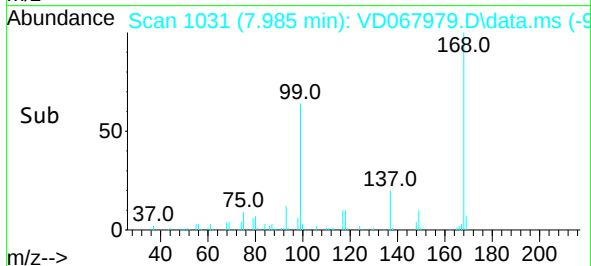


#31
Cyclohexane
Concen: 1.32 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

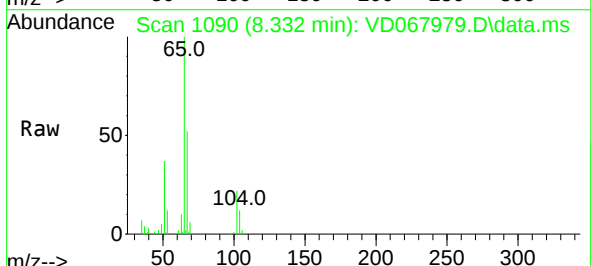
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-5(454+26)VOC-GRAB



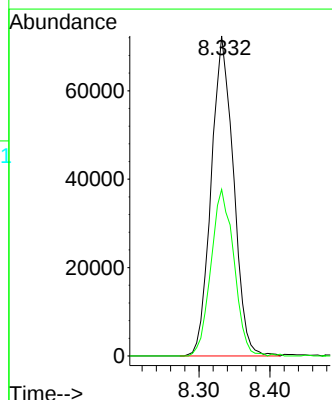
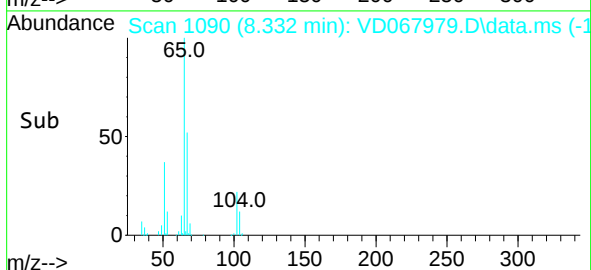
Tgt Ion: 56 Resp: 5995
Ion Ratio Lower Upper
56 100
69 138.6 22.7 34.1#
84 112.7 64.2 96.4#

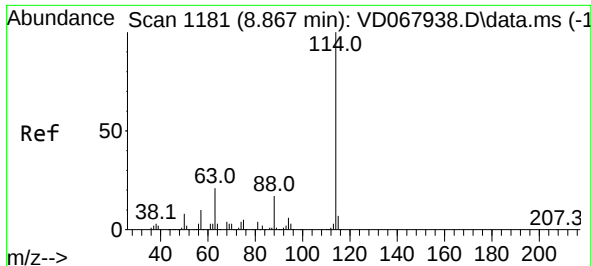


#33
1,2-Dichloroethane-d4
Concen: 71.01 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00



Tgt Ion: 65 Resp: 157500
Ion Ratio Lower Upper
65 100
67 53.6 0.0 110.0

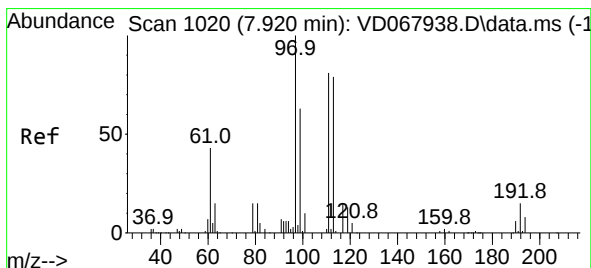
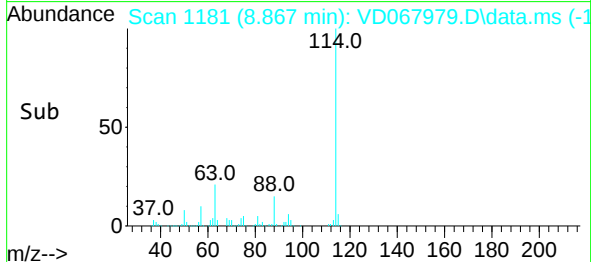
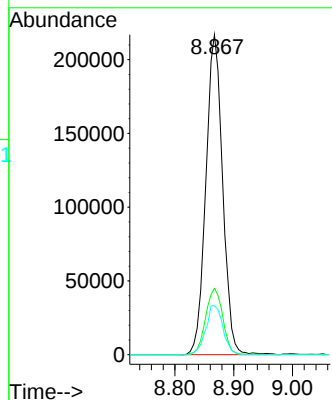
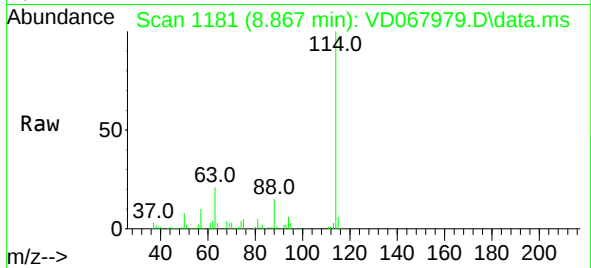




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

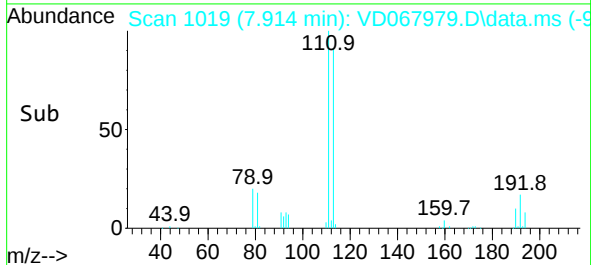
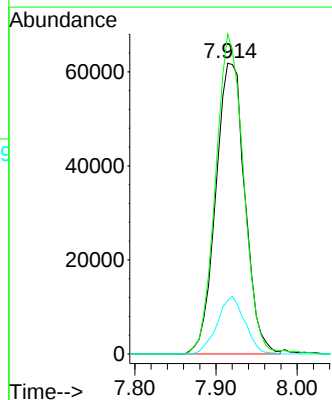
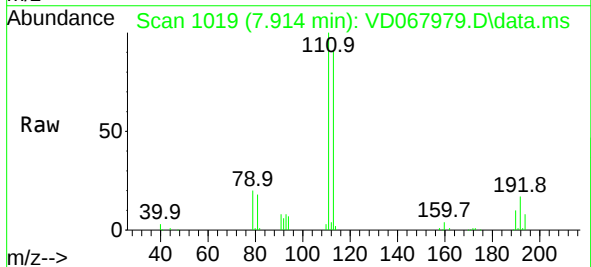
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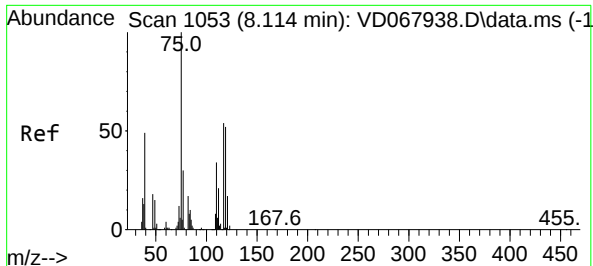
Tgt Ion:	114	Resp:	430325
Ion Ratio	Lower	Upper	
114	100		
63	20.8	0.0	41.4
88	15.3	0.0	33.2



#35
Dibromofluoromethane
Concen: 57.05 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion:	113	Resp:	154697
Ion Ratio	Lower	Upper	
113	100		
111	105.6	79.3	118.9
192	18.7	14.5	21.7

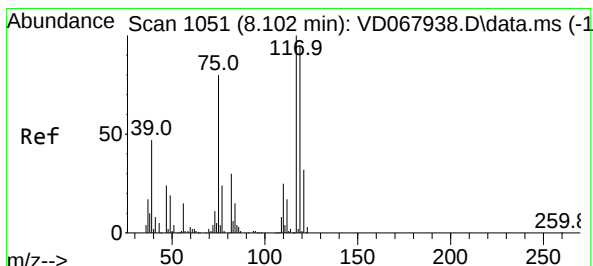
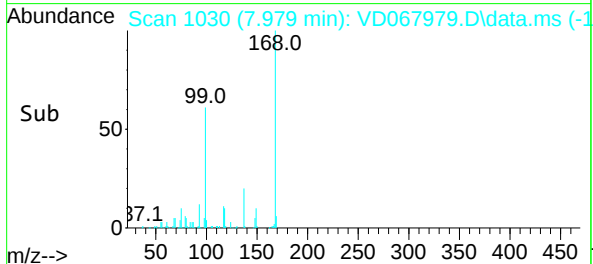
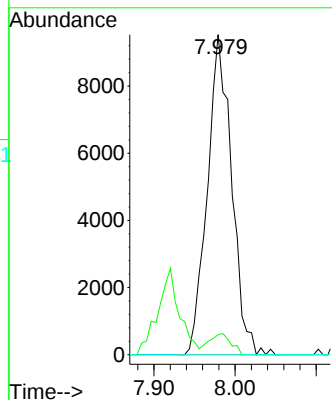
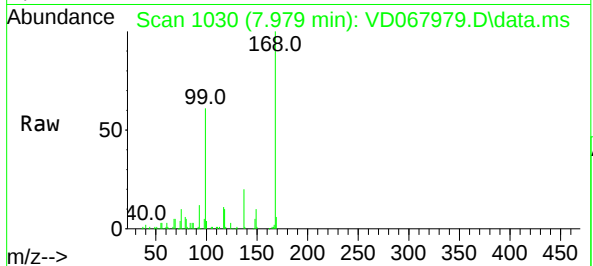




#36
1,1-Dichloropropene
Concen: 4.33 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

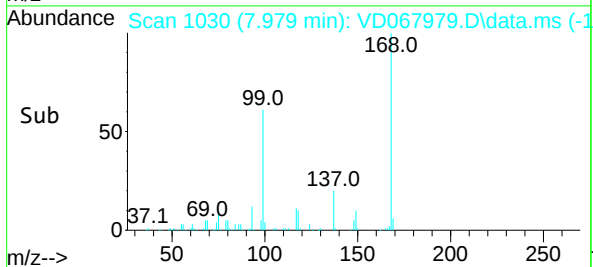
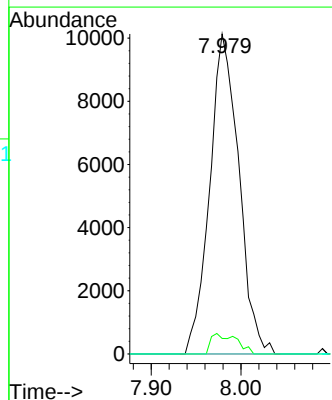
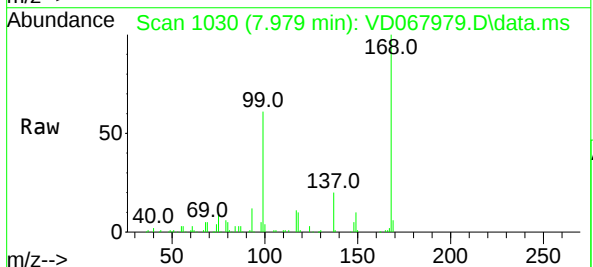
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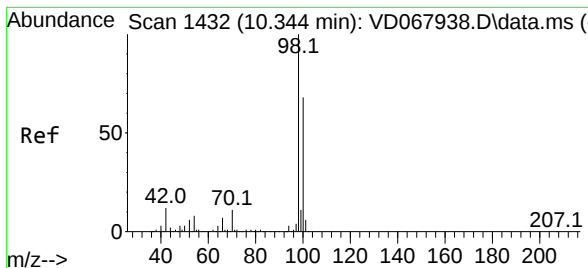
Tgt Ion: 75 Resp: 19820
Ion Ratio Lower Upper
75 100
110 6.0 17.0 51.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.24 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 117 Resp: 22875
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.4#
121 0.0 25.9 38.9#

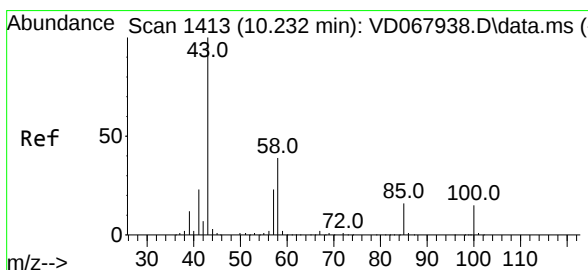
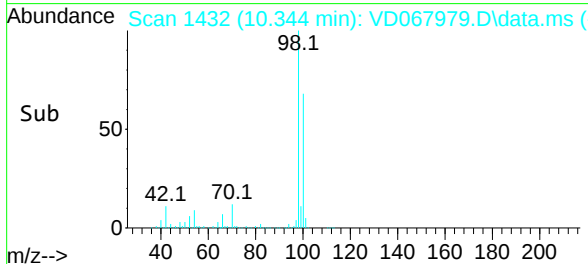
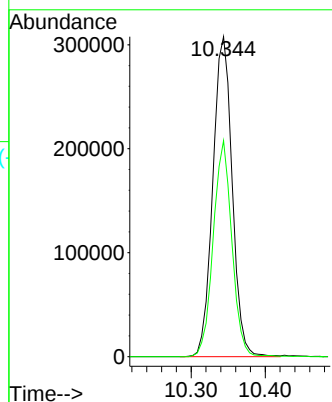
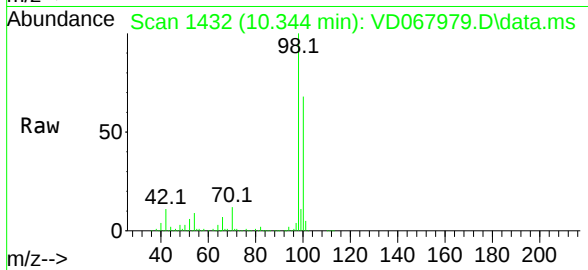




#50
Toluene-d8
Concen: 54.77 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

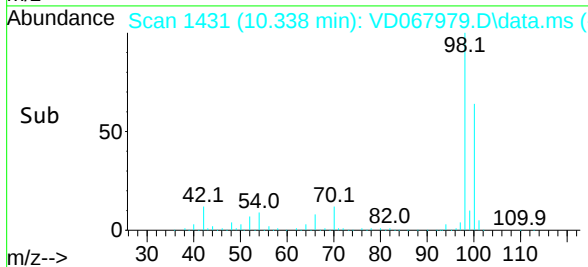
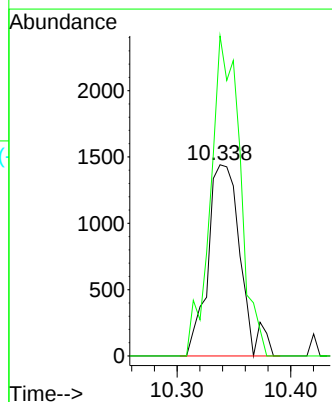
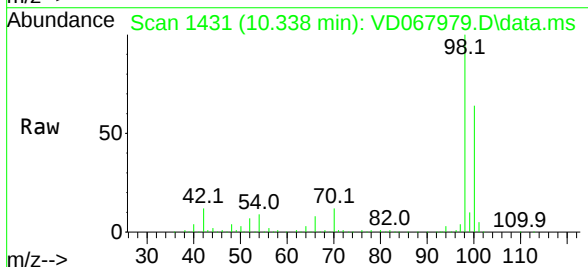
Instrument :
MSVOA_D
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SAMPLE-5(454+26)VOC-GRAB

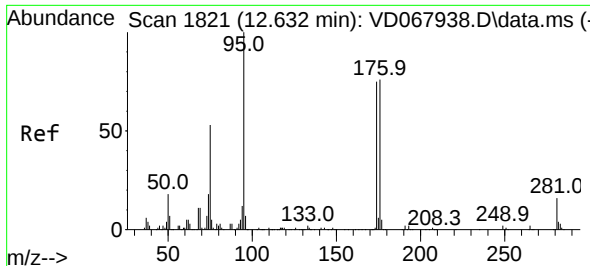
Tgt Ion: 98 Resp: 558141
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.62 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.106 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 43 Resp: 2855
Ion Ratio Lower Upper
43 100
58 152.2 30.0 45.0#

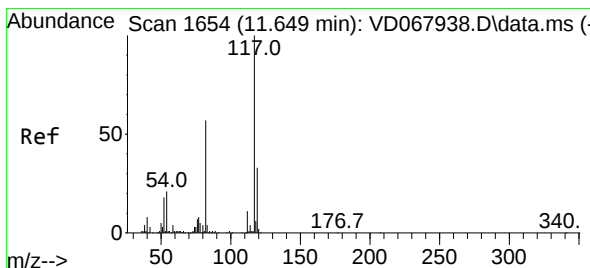
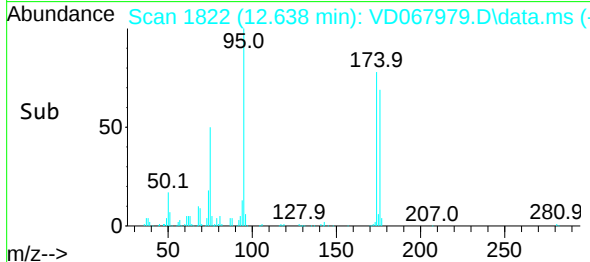
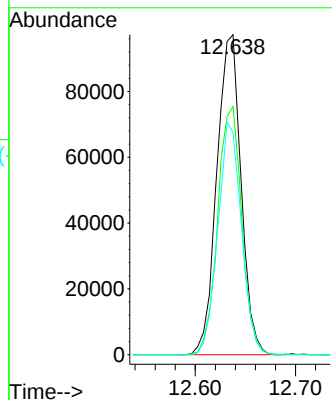
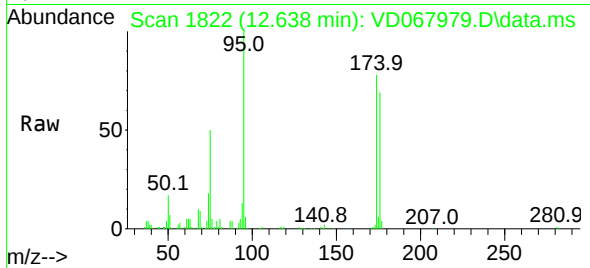




#62
4-Bromofluorobenzene
Concen: 46.79 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

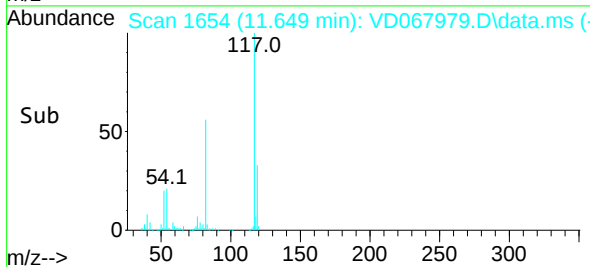
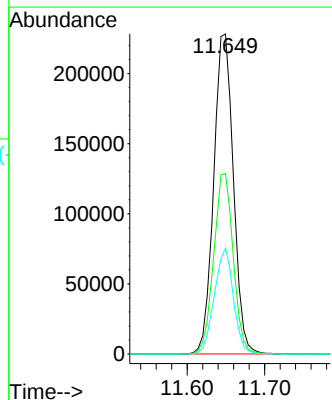
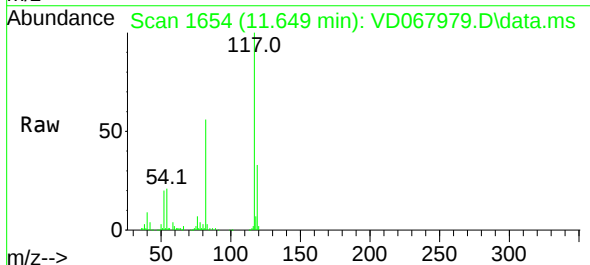
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-5(454+26)VOC-GRAB

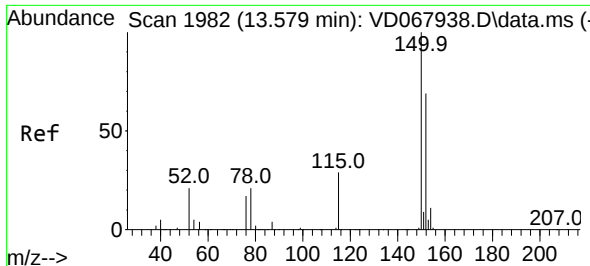
Tgt Ion: 95 Resp: 163132
Ion Ratio Lower Upper
95 100
174 76.7 0.0 150.6
176 71.0 0.0 151.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 117 Resp: 403875
Ion Ratio Lower Upper
117 100
82 56.4 45.4 68.0
119 33.1 26.7 40.1

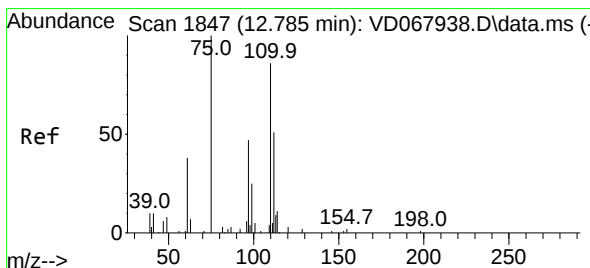
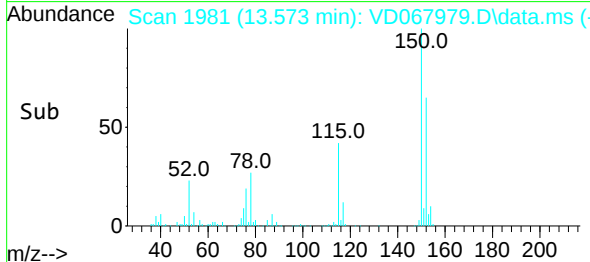
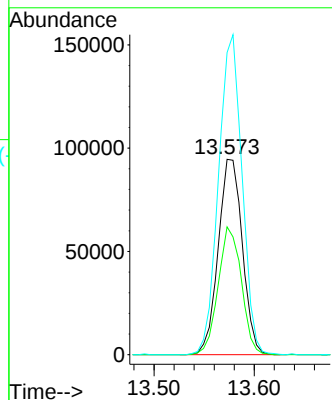
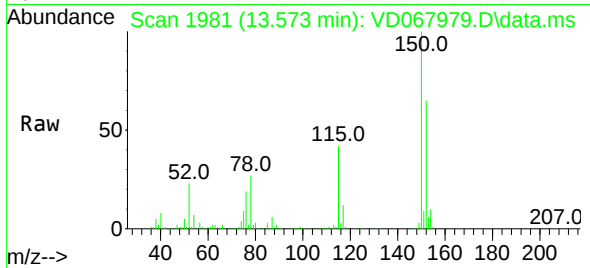




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

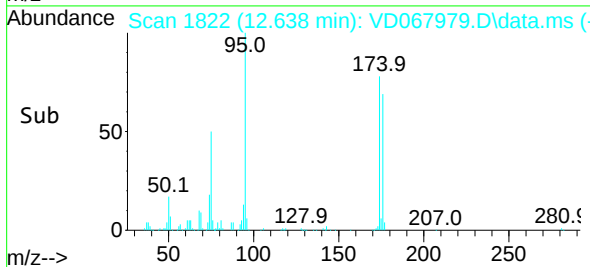
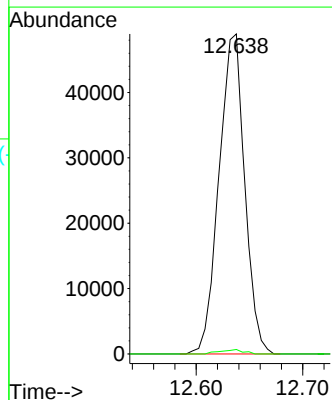
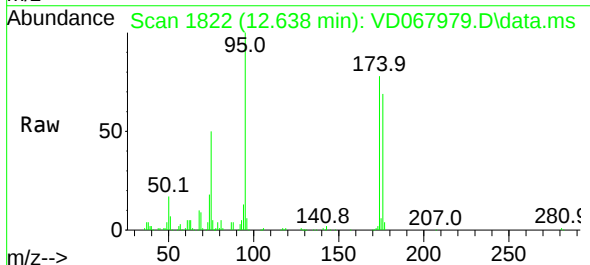
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-5(454+26)VOC-GRAB

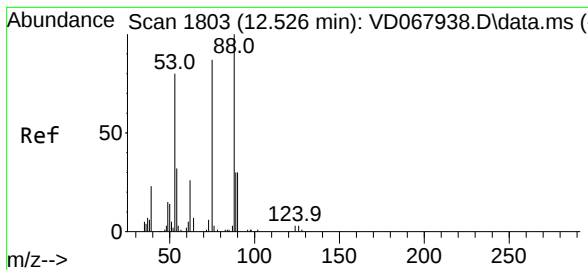
Tgt Ion:152 Resp: 157835
Ion Ratio Lower Upper
152 100
115 62.8 29.3 88.0
150 159.7 0.0 340.0



#76
1,2,3-Trichloropropane
Concen: 61.62 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. -0.147 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 75 Resp: 81888
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.31 ug/l
 RT: 12.638 min Scan# 1822
 Delta R.T. 0.112 min
 Lab File: VD067979.D
 Acq: 30 Dec 2020 17:00

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-5(454+26)VOC-GRAB

Tgt Ion: 75 Resp: 81888
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.9 112.3#
 89 0.0 33.8 50.8#

