

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123020\
 Data File : VD067981.D
 Acq On : 30 Dec 2020 17:55
 Operator : VA/SY
 Sample : L5242-14
 Misc : 5.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-7(434+26)VOC-GRAB

Quant Time: Dec 31 00:17:18 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)

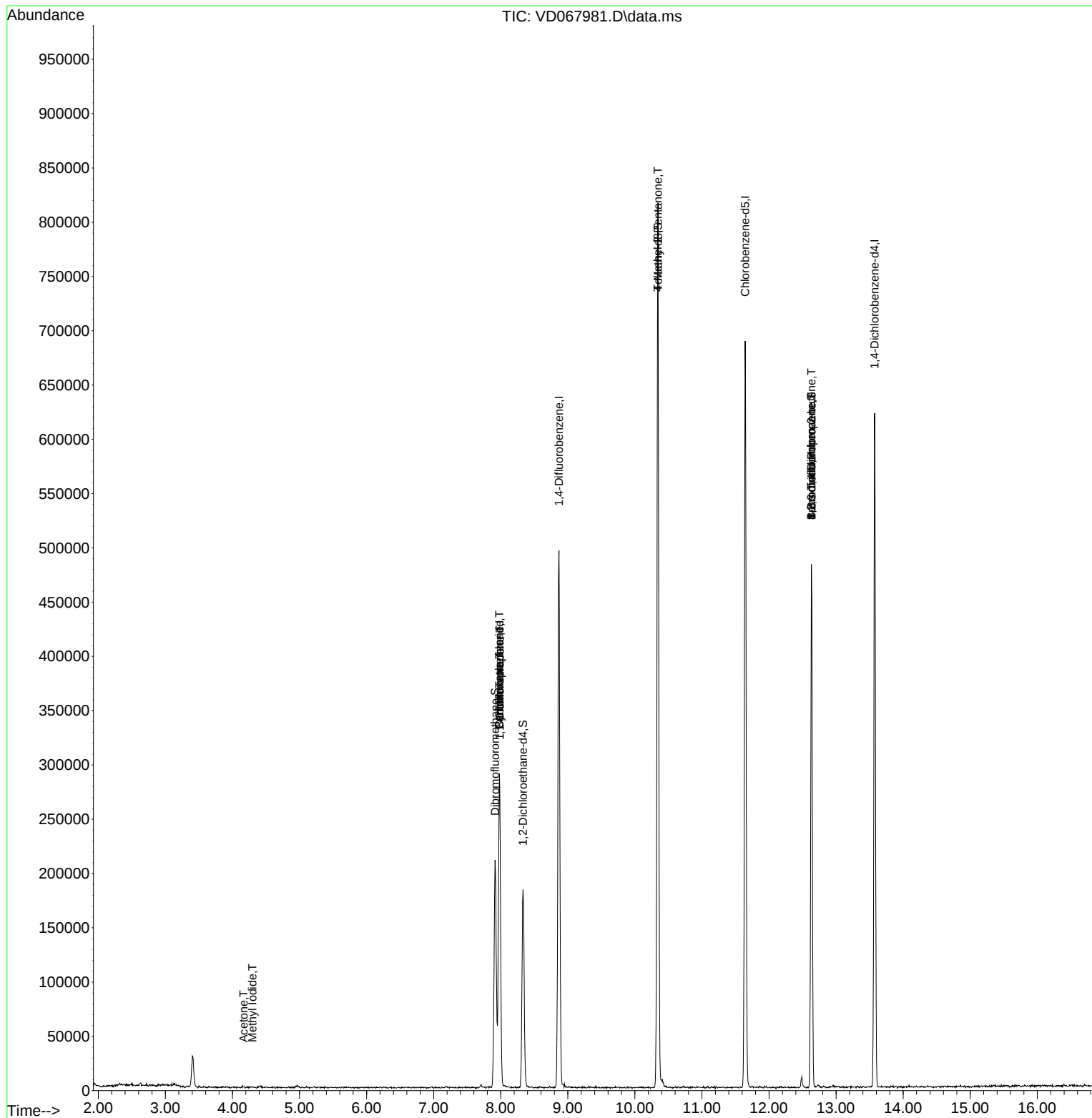
Internal Standards						
1) Pentafluorobenzene	7.979	168	201432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	418441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	391856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	156460	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	144215	66.30	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.60%			
35) Dibromofluoromethane	7.914	113	149429	56.68	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.36%			
50) Toluene-d8	10.344	98	537219	54.21	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.42%			
62) 4-Bromofluorobenzene	12.632	95	157294	46.40	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.80%			
Target Compounds						
5) Bromomethane	2.773	94	144	Below Cal	#	1
10) Methyl Iodide	4.297	142	61	3.87 ug/l	#	41
11) Tert butyl alcohol	5.220	59	161	Below Cal	#	74
16) Acetone	4.168	43	1052	2.53 ug/l	#	47
20) Methylene Chloride	4.967	84	896	Below Cal	#	86
31) Cyclohexane	7.979	56	4952	1.11 ug/l	#	1
36) 1,1-Dichloropropene	7.985	75	18234	4.10 ug/l	#	50
38) Carbon Tetrachloride	7.979	117	22142	5.21 ug/l	#	18
51) 4-Methyl-2-Pentanone	10.344	43	2329	1.36 ug/l	#	1
71) Bromoform	12.632	173	2158	1.41 ug/l	#	1
76) 1,2,3-Trichloropropane	12.632	75	84049	63.80 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.632	75	84049	130.79 ug/l	#	12

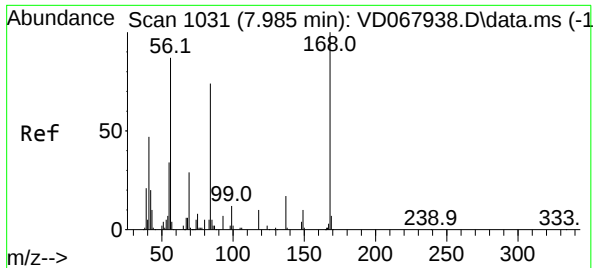
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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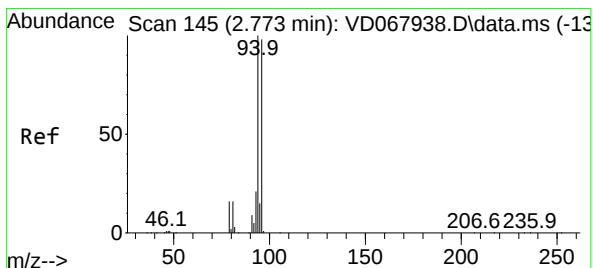
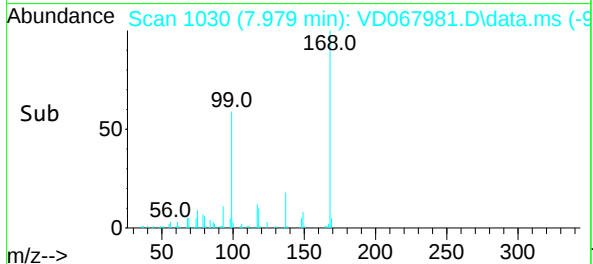
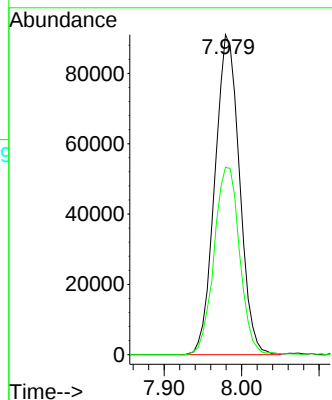
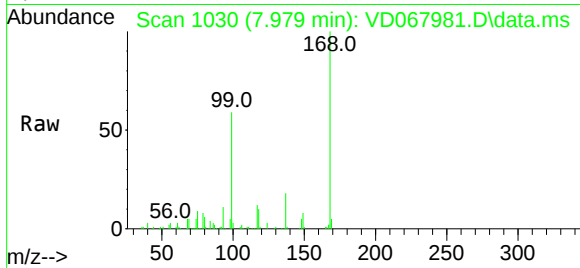




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

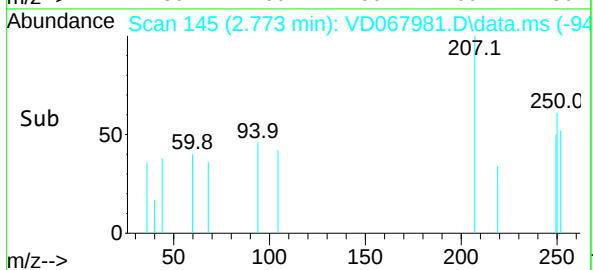
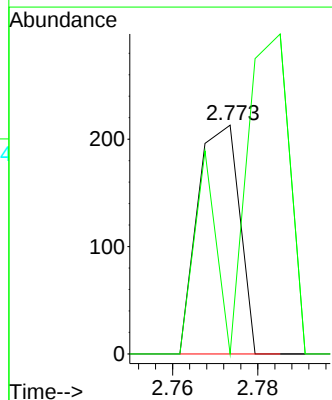
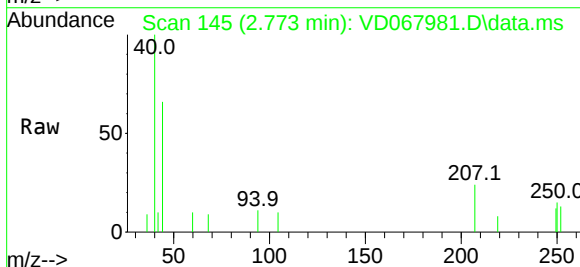
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-7(434+26)VOC-GRAB

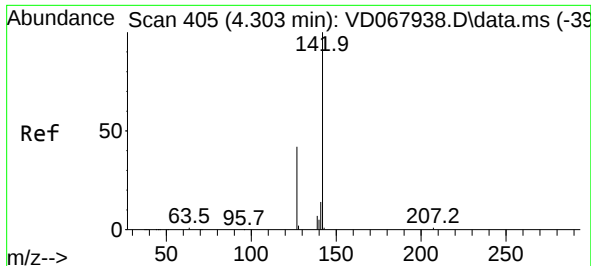
Tgt Ion:168 Resp: 201432
Ion Ratio Lower Upper
168 100
99 58.5 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.000 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

Tgt Ion: 94 Resp: 144
Ion Ratio Lower Upper
94 100
96 0.0 78.0 117.0#

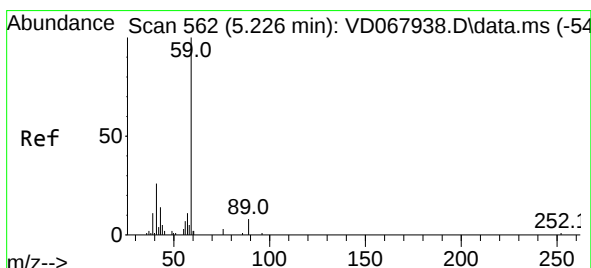
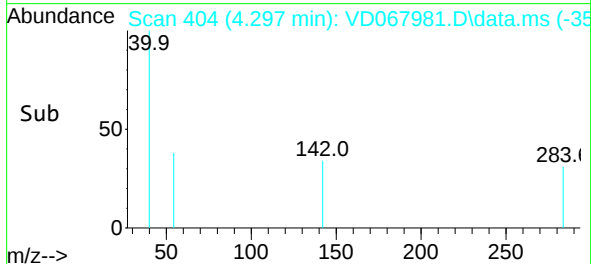
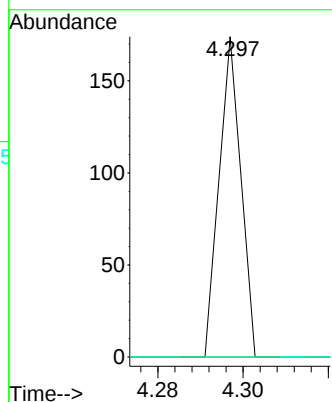
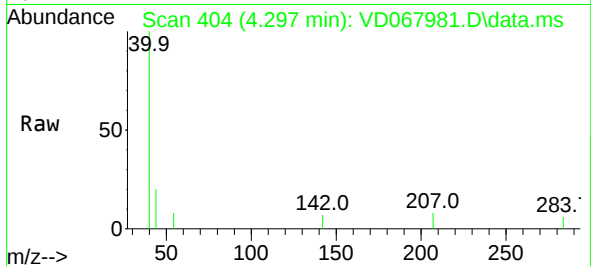




#10
Methyl Iodide
Concen: 3.87 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

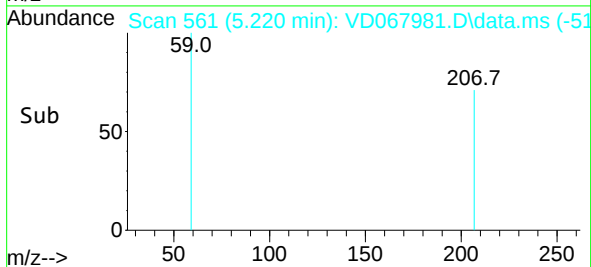
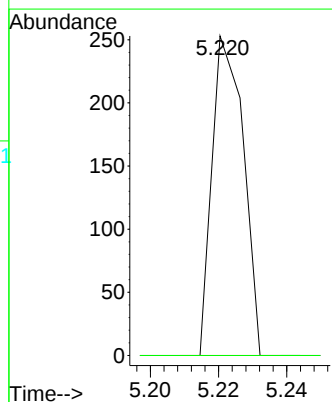
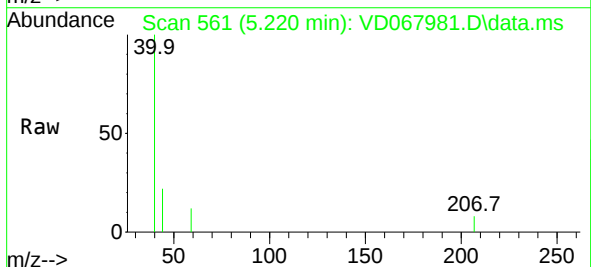
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MSVOA_D
ClientSampleId :
SAMPLE-7(434+26)VOC-GRAB

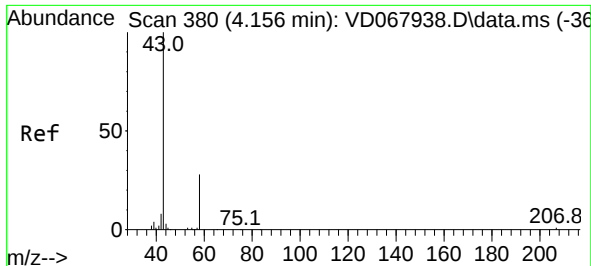
Tgt Ion:142 Resp: 61
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

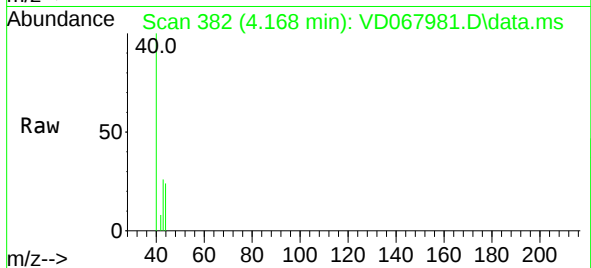
Tgt Ion: 59 Resp: 161
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



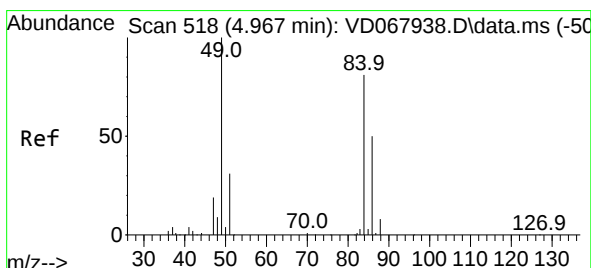
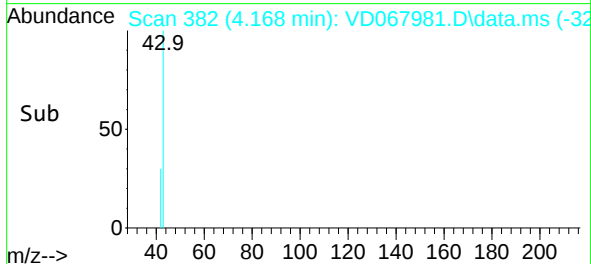
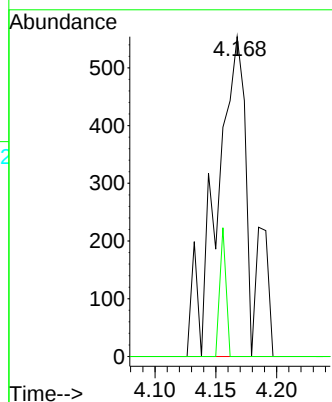


#16
Acetone
Concen: 2.53 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-7(434+26)VOC-GRAB

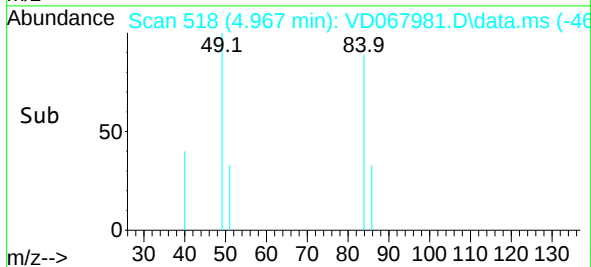
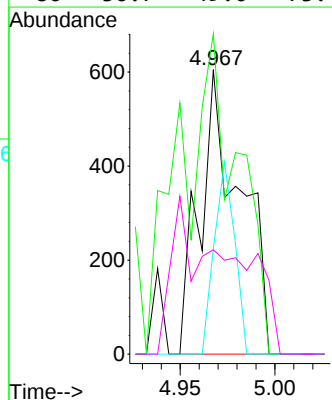
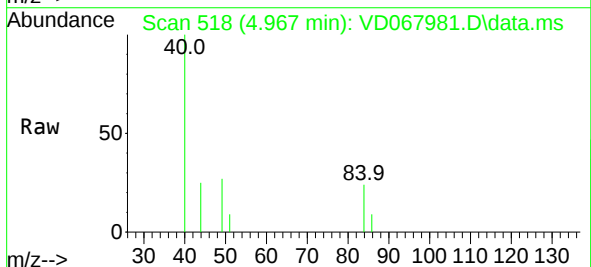


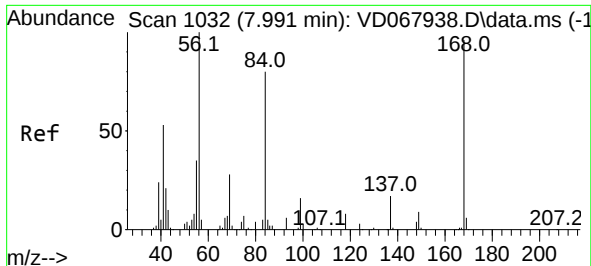
Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

Tgt Ion: 84 Resp: 896
Ion Ratio Lower Upper
84 100
49 112.6 98.3 147.5
51 37.0 30.3 45.5
86 36.7 49.0 73.4#

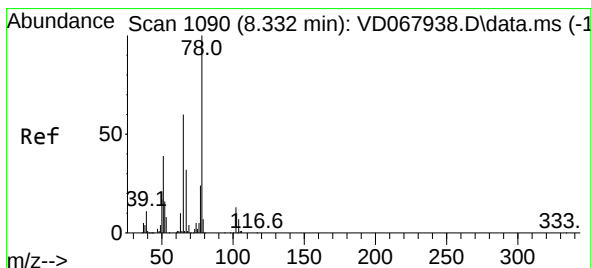
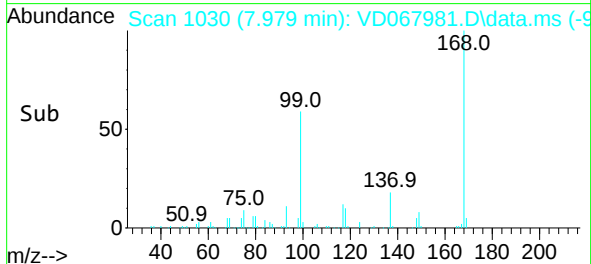
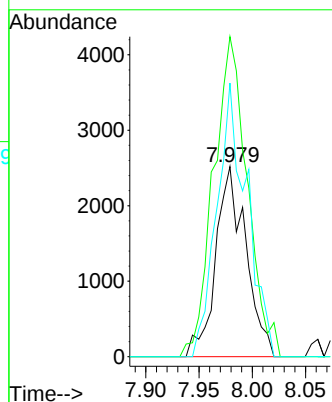
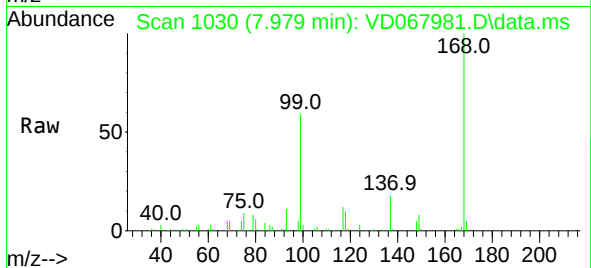




#31
Cyclohexane
Concen: 1.11 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

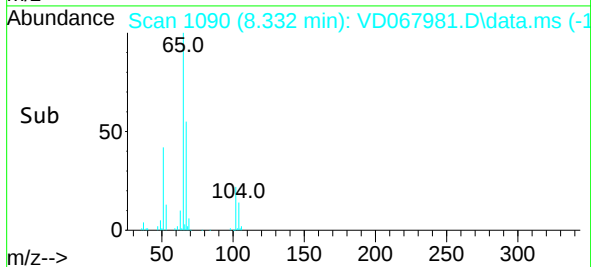
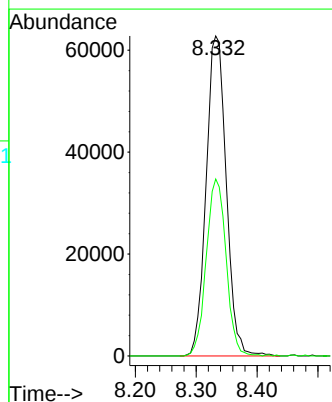
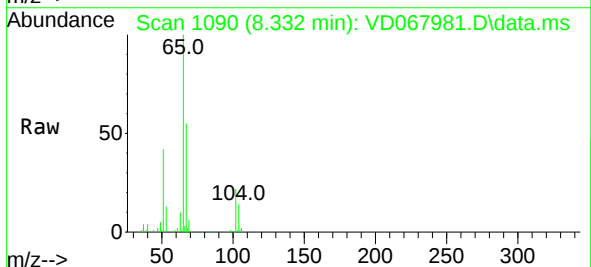
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-7(434+26)VOC-GRAB

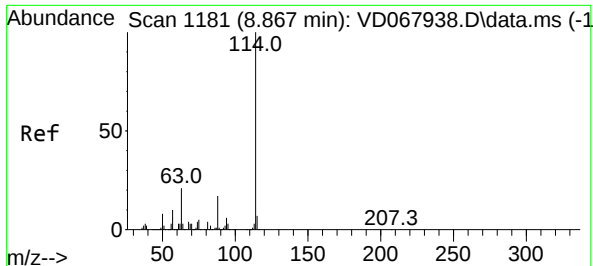
Tgt Ion:	56	Resp:	4952
Ion Ratio	Lower	Upper	
56	100		
69	168.3	22.7	34.1#
84	143.9	64.2	96.4#



#33
1,2-Dichloroethane-d4
Concen: 66.30 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

Tgt Ion:	65	Resp:	144215
Ion Ratio	Lower	Upper	
65	100		
67	54.5	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: VD067981.D

Acq: 30 Dec 2020 17:55

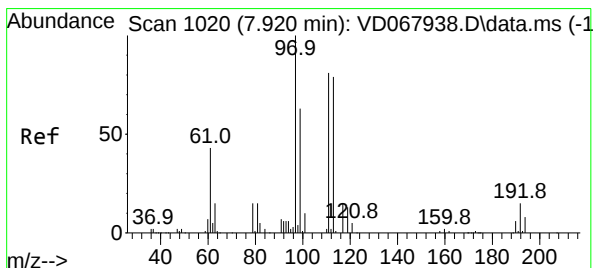
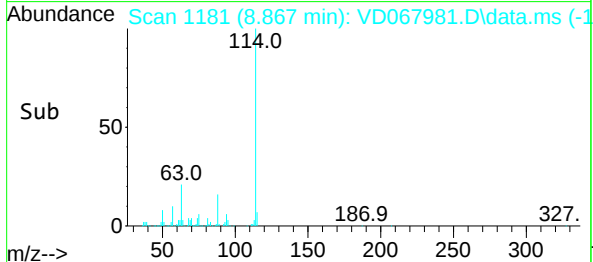
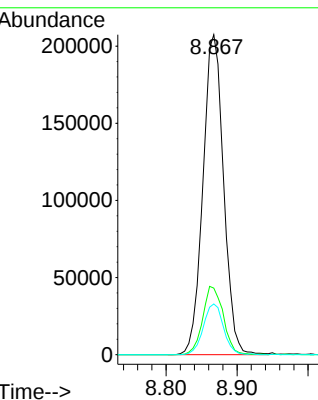
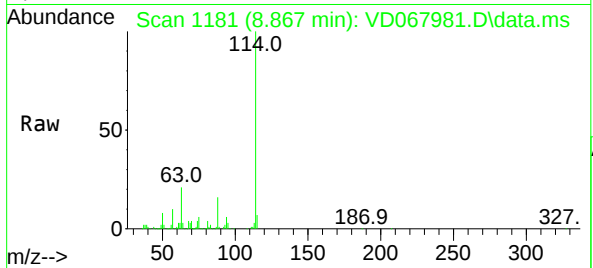
Tgt Ion:114 Resp: 418441

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.4

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 56.68 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD067981.D

Acq: 30 Dec 2020 17:55

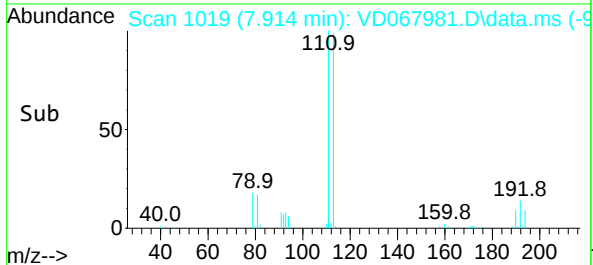
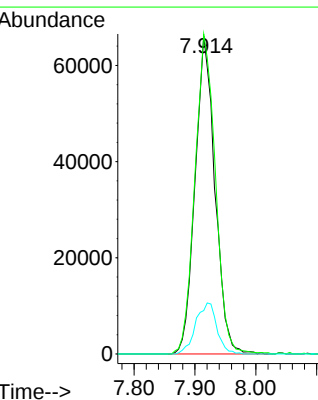
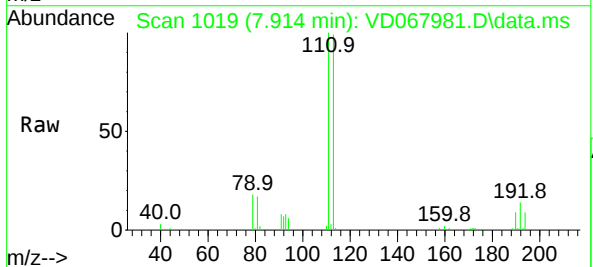
Tgt Ion:113 Resp: 149429

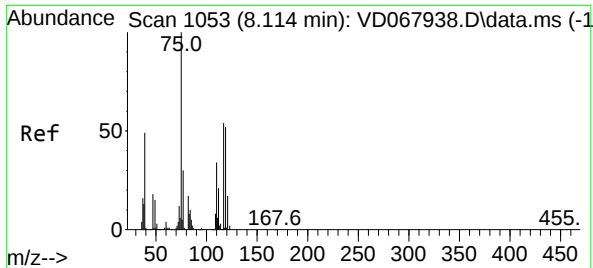
Ion Ratio Lower Upper

113 100

111 104.3 79.3 118.9

192 17.1 14.5 21.7

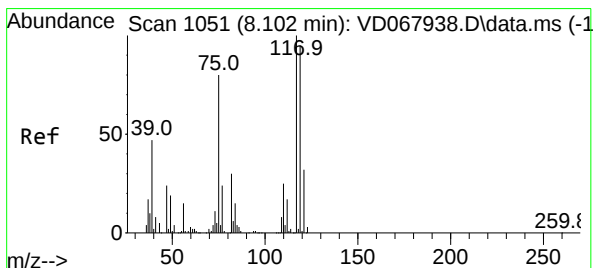
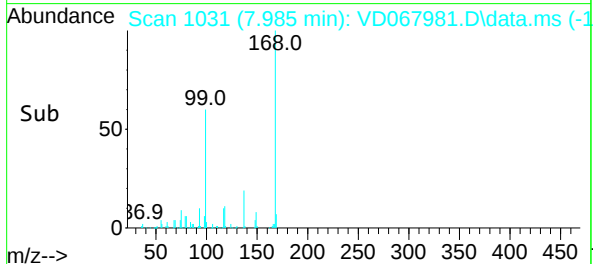
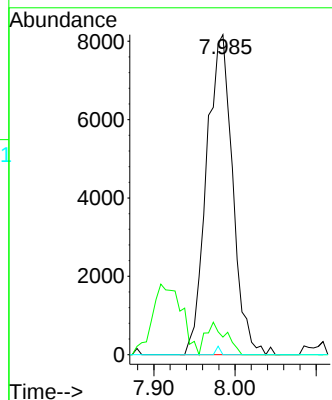
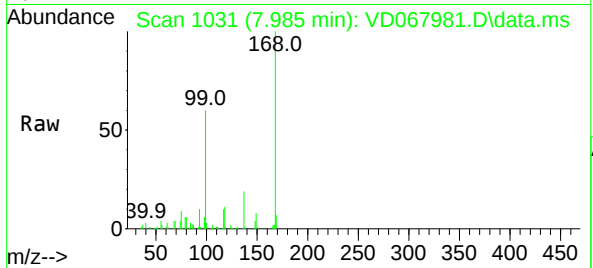




#36
1,1-Dichloropropene
Concen: 4.10 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

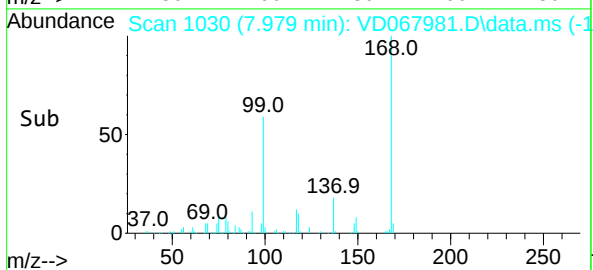
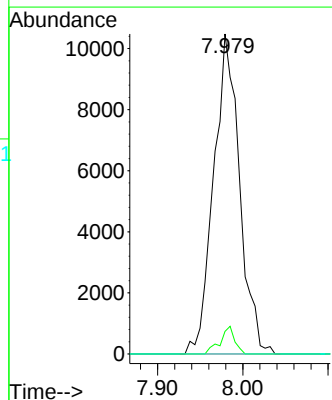
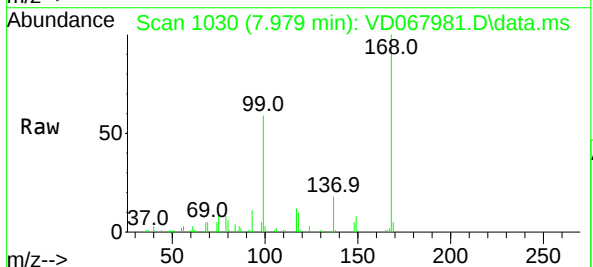
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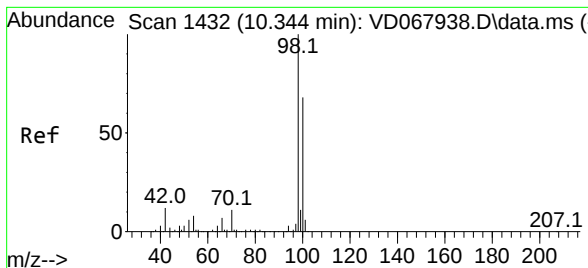
Tgt Ion: 75 Resp: 18234
Ion Ratio Lower Upper
75 100
110 7.8 17.0 51.0#
77 0.4 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.21 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

Tgt Ion: 117 Resp: 22142
Ion Ratio Lower Upper
117 100
119 7.0 76.2 114.4#
121 0.0 25.9 38.9#

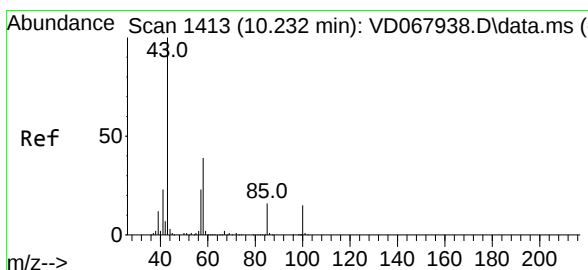
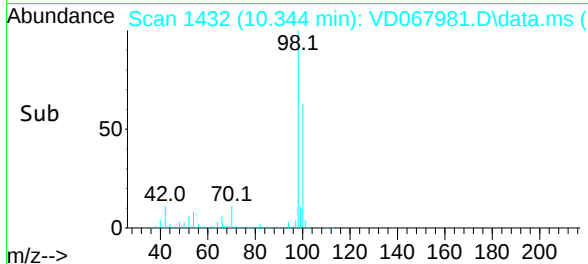
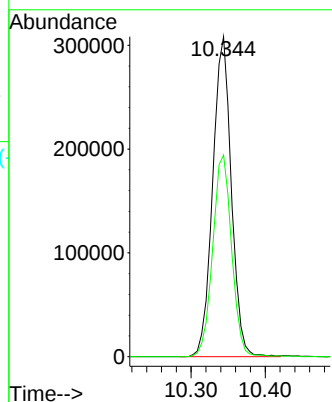
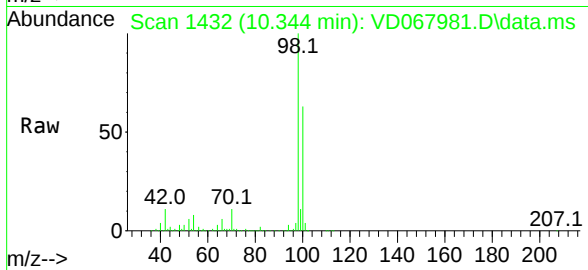




#50
Toluene-d8
Concen: 54.21 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

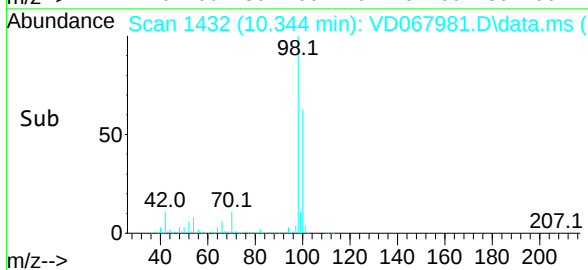
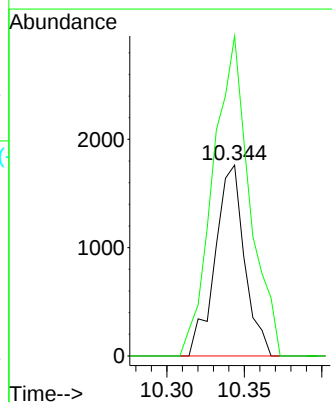
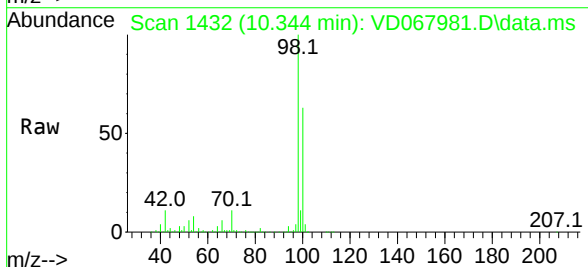
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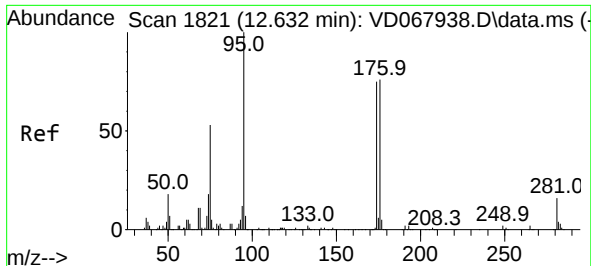
Tgt Ion: 98 Resp: 537219
Ion Ratio Lower Upper
98 100
100 64.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.36 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.112 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

Tgt Ion: 43 Resp: 2329
Ion Ratio Lower Upper
43 100
58 208.4 30.0 45.0#

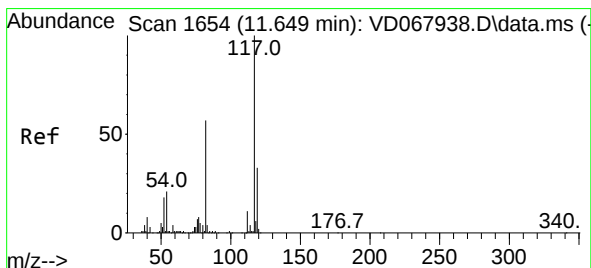
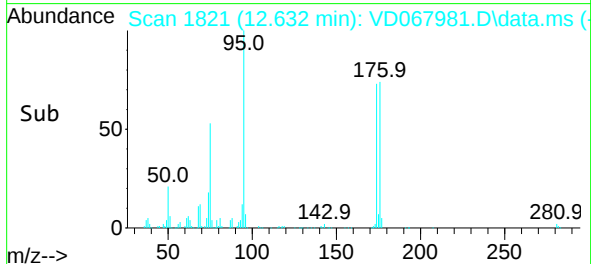
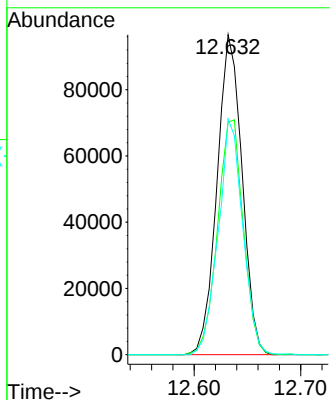
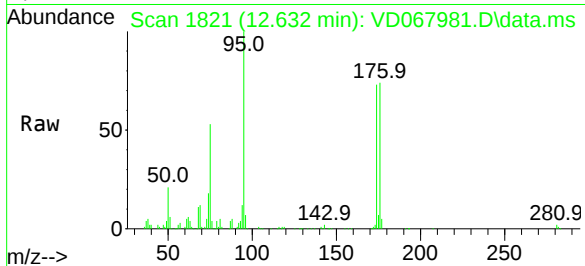




#62
4-Bromofluorobenzene
Concen: 46.40 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

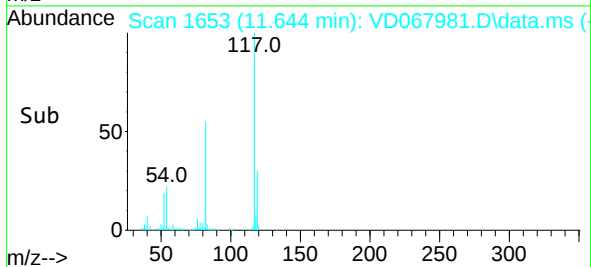
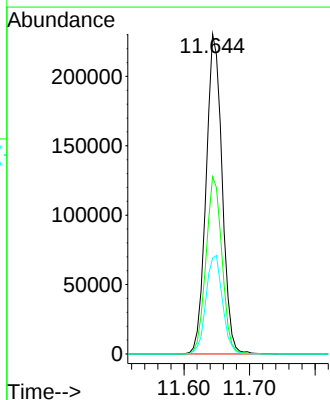
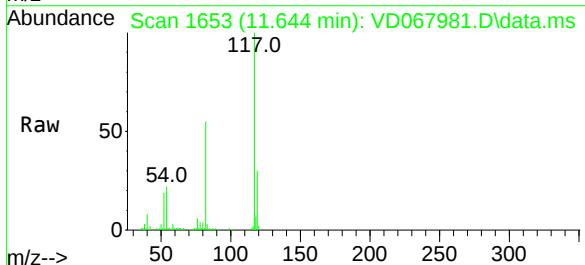
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-7(434+26)VOC-GRAB

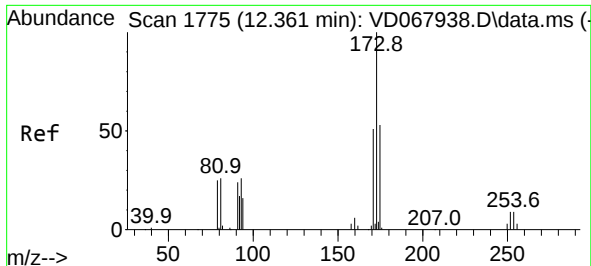
Tgt Ion: 95 Resp: 157294
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.6
176 72.4 0.0 151.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

Tgt Ion: 117 Resp: 391856
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.0
119 29.9 26.7 40.1

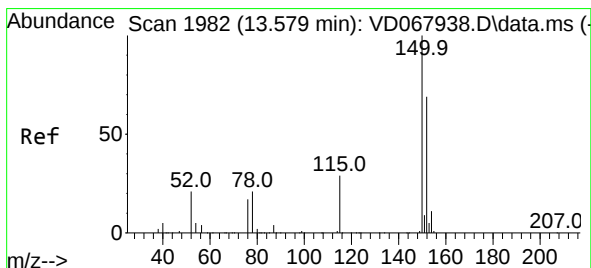
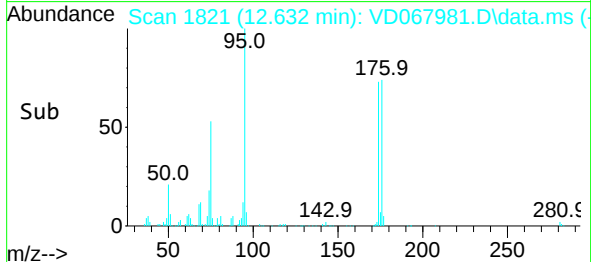
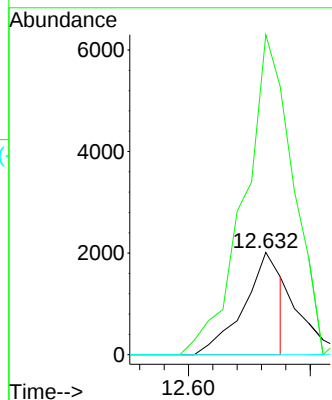
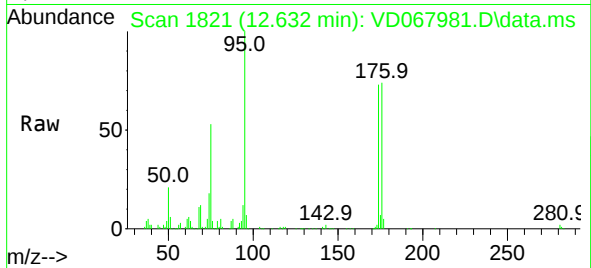




#71
Bromoform
Concen: 1.41 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.271 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

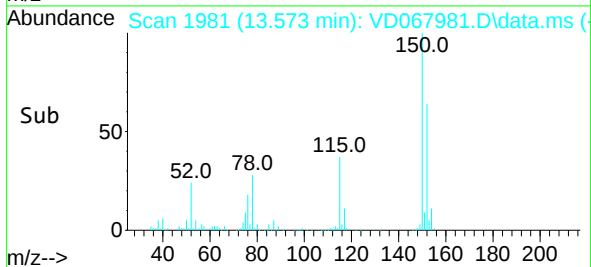
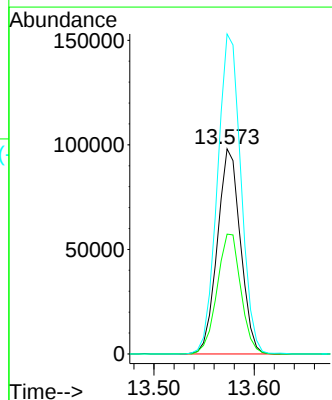
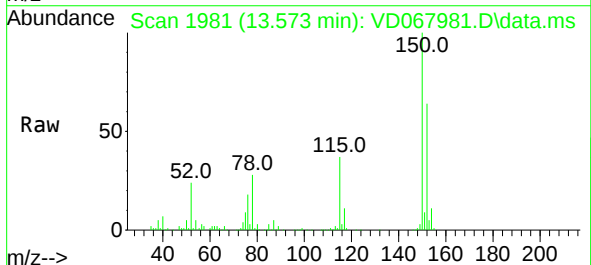
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-7(434+26)VOC-GRAB

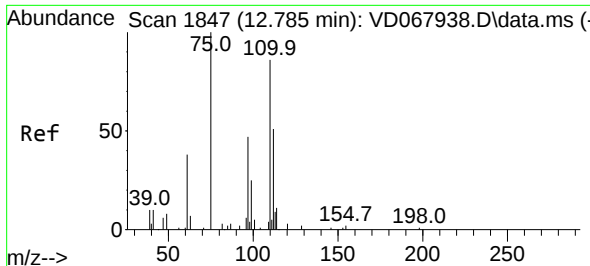
Tgt Ion:173 Resp: 2158
Ion Ratio Lower Upper
173 100
175 321.3 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

Tgt Ion:152 Resp: 156460
Ion Ratio Lower Upper
152 100
115 60.4 29.3 88.0
150 159.2 0.0 340.0

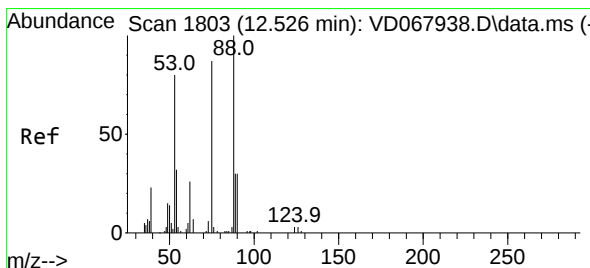
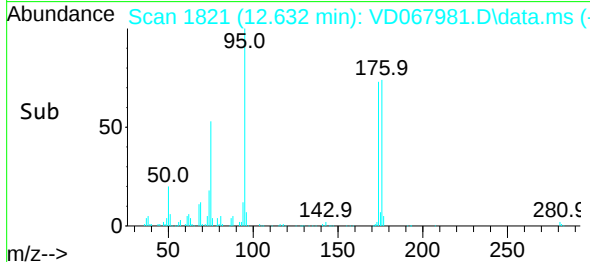
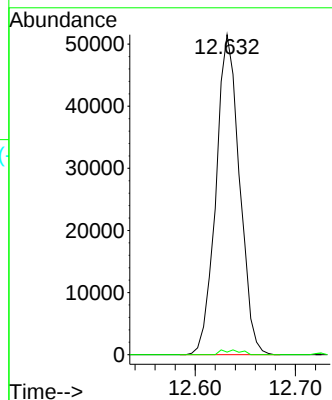
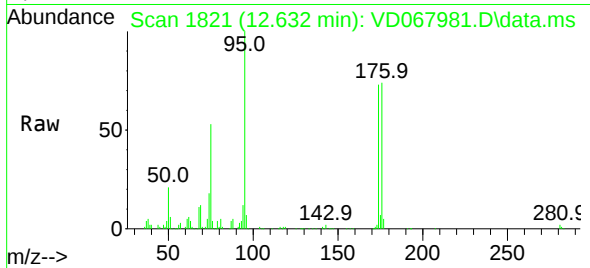




#76
1,2,3-Trichloropropane
Concen: 63.80 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-7(434+26)VOC-GRAB

Tgt Ion: 75 Resp: 84049
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.79 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD067981.D
Acq: 30 Dec 2020 17:55

Tgt Ion: 75 Resp: 84049
Ion Ratio Lower Upper
75 100
53 0.0 74.9 112.3#
89 0.0 33.8 50.8#

