

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
 Data File : VD069303.D
 Acq On : 02 Jun 2021 16:01
 Operator : VA/SY
 Sample : M2580-04
 Misc : 8.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 18-B2(0-2)

Quant Time: Jun 03 01:09:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

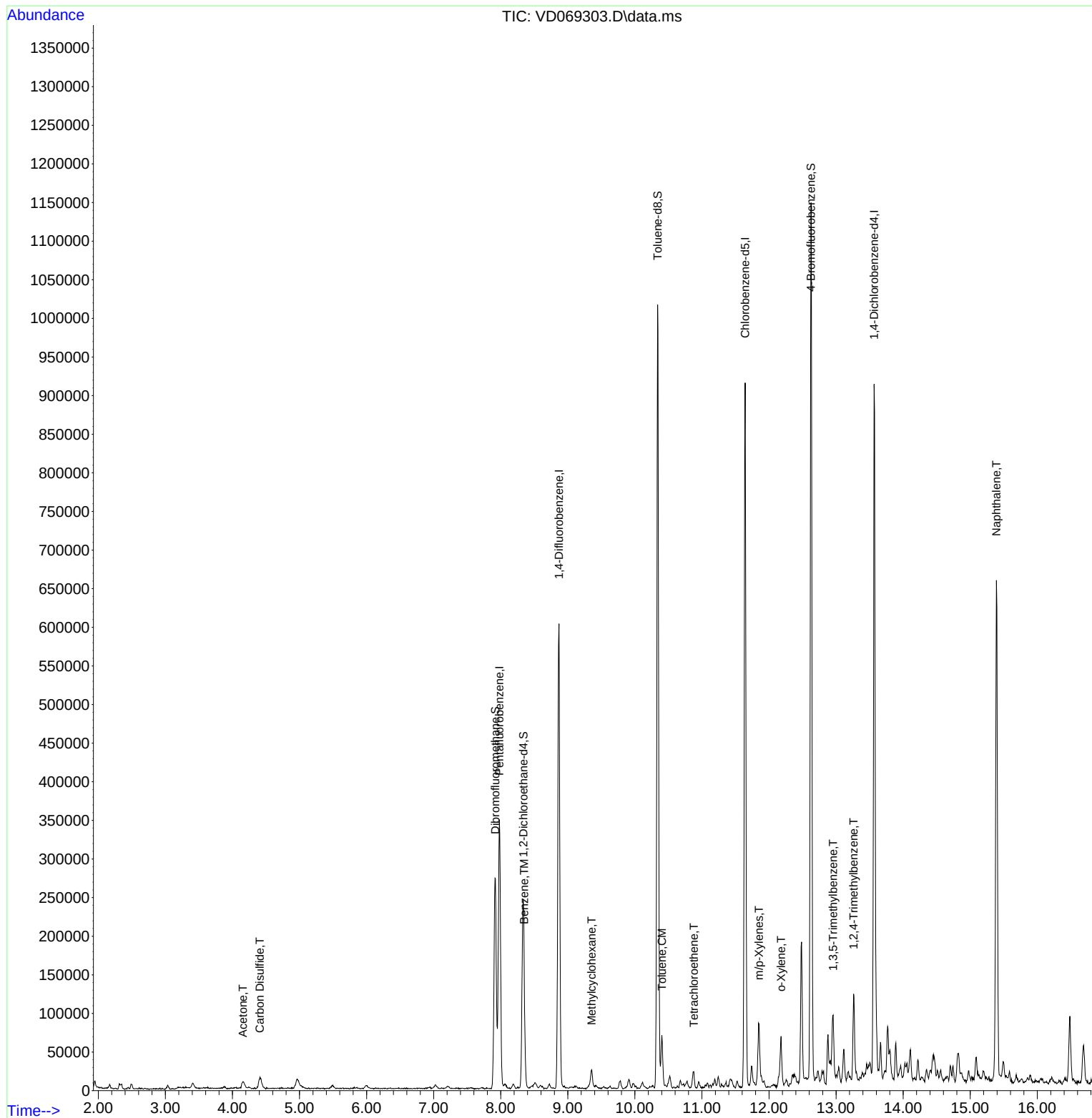
Internal Standards						
1) Pentafluorobenzene	7.979	168	255209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	537654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	549175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	252537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	188139	76.830	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.660%	
35) Dibromofluoromethane	7.920	113	202175	59.880	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.760%	
50) Toluene-d8	10.338	98	700023	57.016	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.040%	
62) 4-Bromofluorobenzene	12.626	95	251126	62.422	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 124.840%	
Target Compounds						
					Qvalue	
16) Acetone	4.156	43	15609	36.527	ug/l #	79
17) Carbon Disulfide	4.409	76	30840	3.643	ug/l	96
39) Methylcyclohexane	9.355	83	8963	1.677	ug/l	91
40) Benzene	8.350	78	42950	2.830	ug/l	96
52) Toluene	10.402	92	27459	2.866	ug/l	99
64) Tetrachloroethene	10.879	164	5116	1.338	ug/l #	71
68) m/p-Xylenes	11.849	106	22136	2.930	ug/l	96
69) o-Xylene	12.179	106	16787	2.512	ug/l	93
80) 1,3,5-Trimethylbenzene	12.955	105	31484	2.151	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	67328	4.625	ug/l	100
95) Naphthalene	15.390	128	595008	67.786	ug/l	100

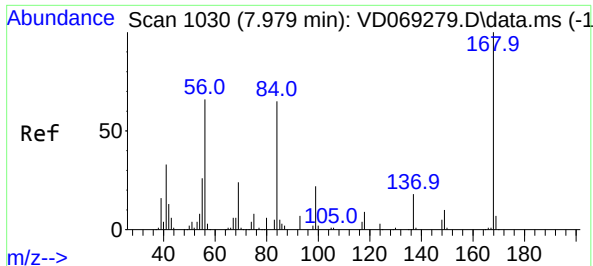
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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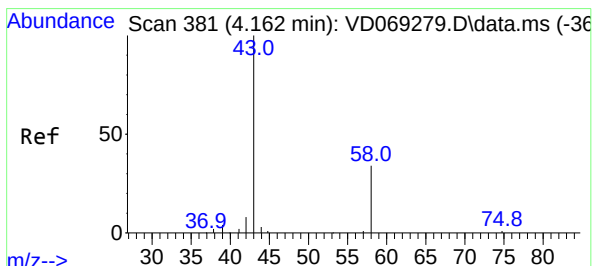
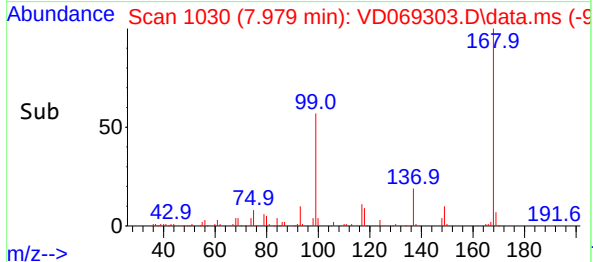
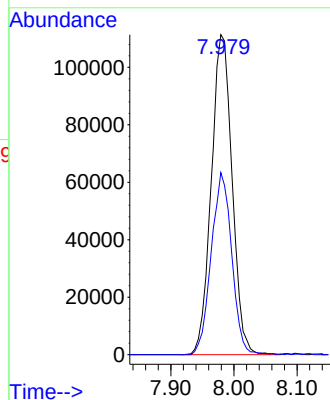
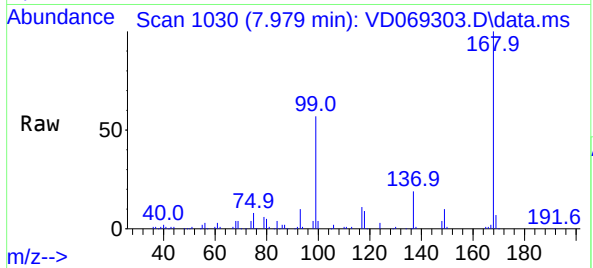




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

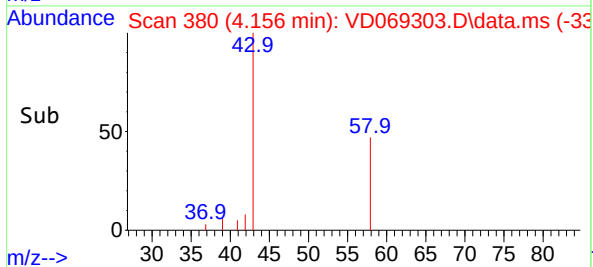
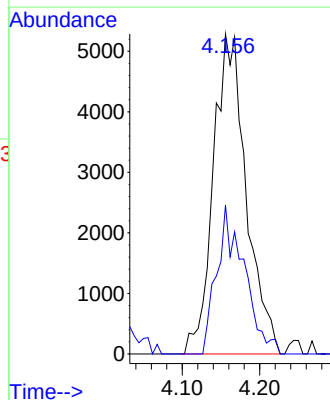
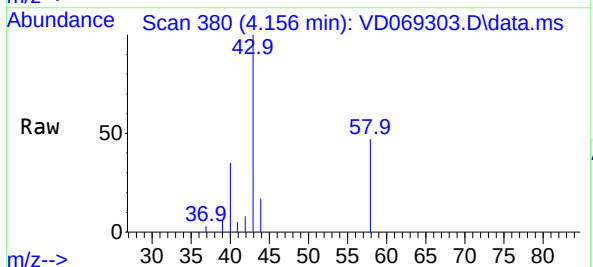
Instrument :
MSVOA_D
ClientSampleId :
18-B2(0-2)

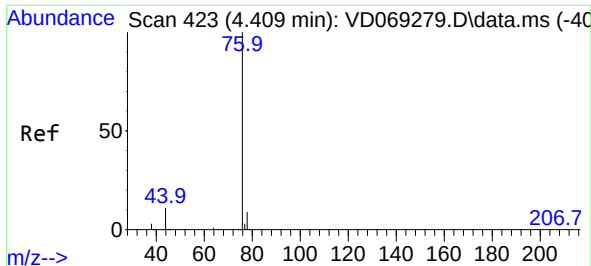
Tgt Ion:168 Resp: 255209
Ion Ratio Lower Upper
168 100
99 56.9 46.2 69.2



#16
Acetone
Concen: 36.527 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

Tgt Ion: 43 Resp: 15609
Ion Ratio Lower Upper
43 100
58 46.6 27.5 41.3#

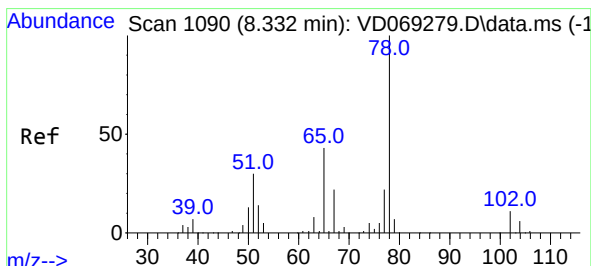
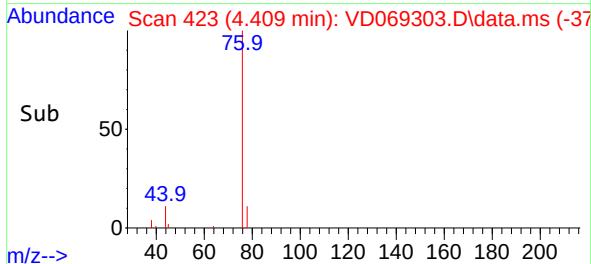
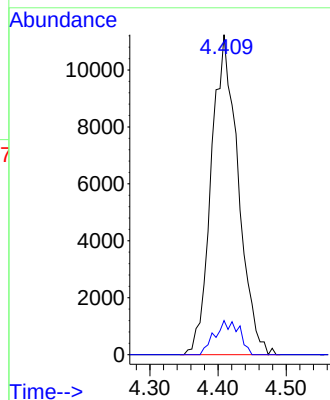
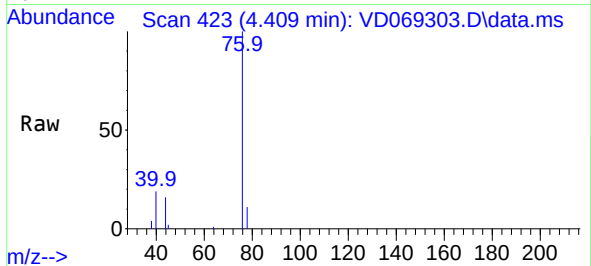




#17
Carbon Disulfide
Concen: 3.643 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

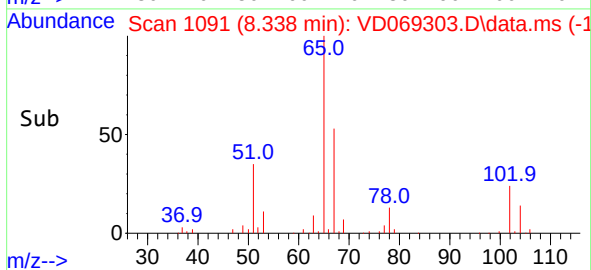
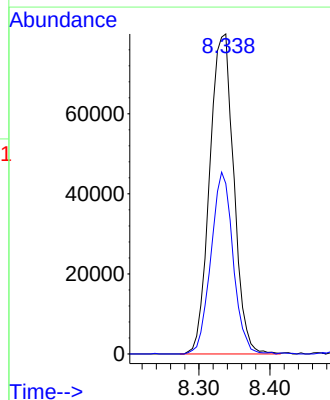
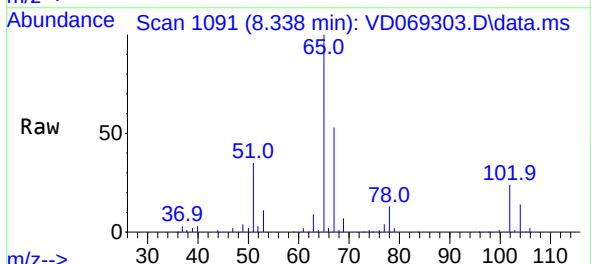
Instrument :
MSVOA_D
ClientSampleId :
18-B2(0-2)

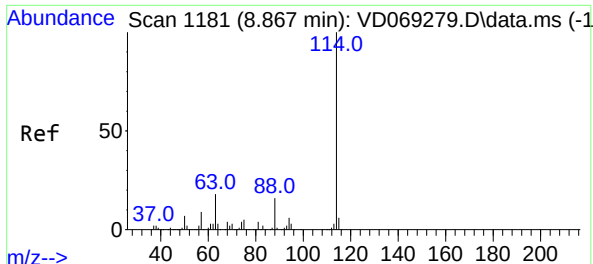
Tgt Ion: 76 Resp: 30840
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.0



#33
1,2-Dichloroethane-d4
Concen: 76.830 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

Tgt Ion: 65 Resp: 188139
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.8



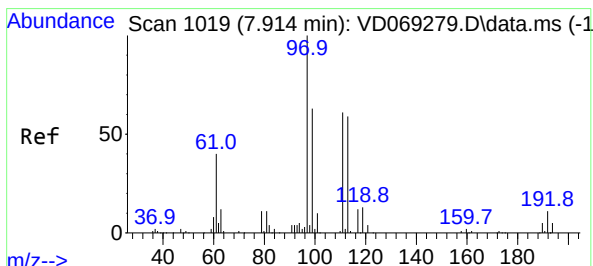
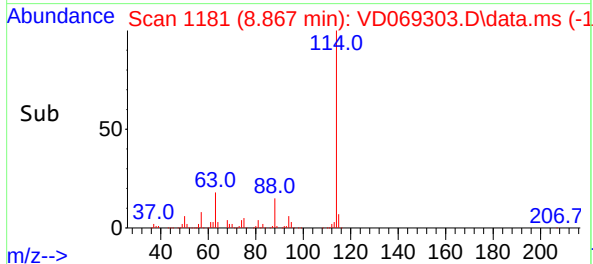
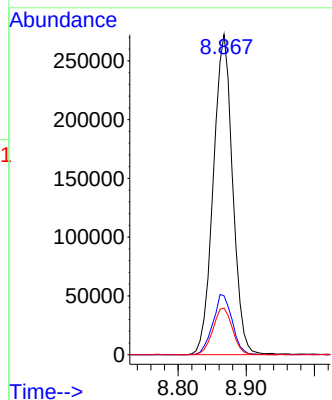
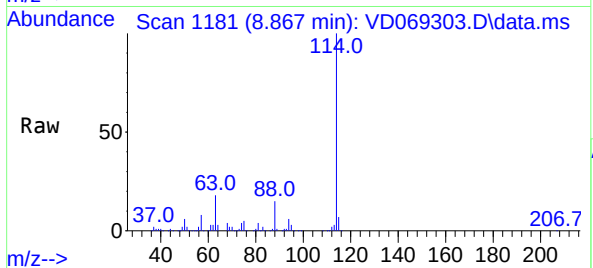


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

Instrument :
MSVOA_D
ClientSampleId :
18-B2(0-2)

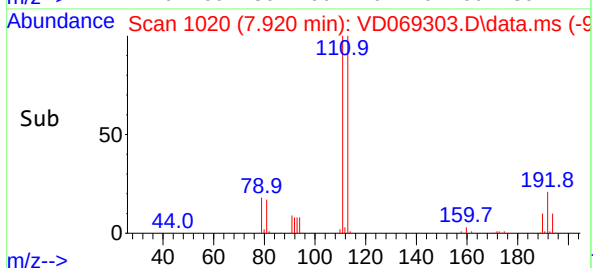
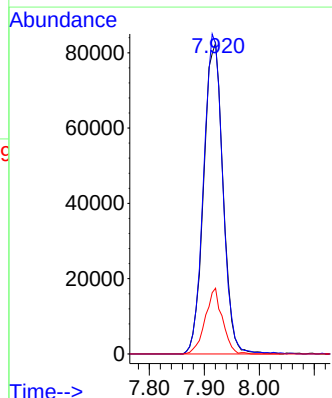
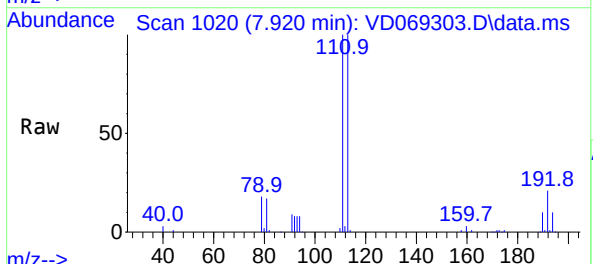
Tgt Ion:	114	Resp:	537654
Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	35.6
88	14.5	0.0	31.2

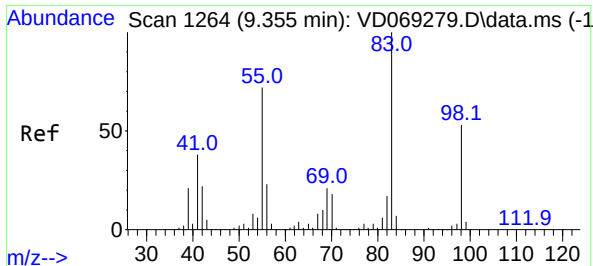


#35

Dibromofluoromethane
Concen: 59.880 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

Tgt Ion:	113	Resp:	202175
Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.0	124.6
192	18.8	15.1	22.7





#39

Methylcyclohexane

Concen: 1.677 ug/l

RT: 9.355 min Scan# 1264

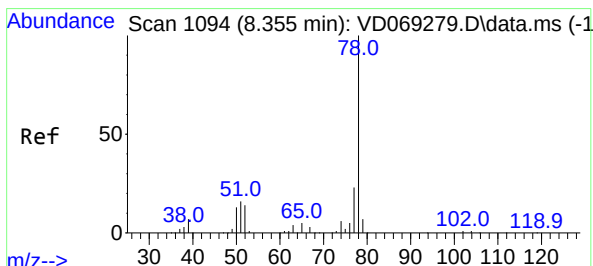
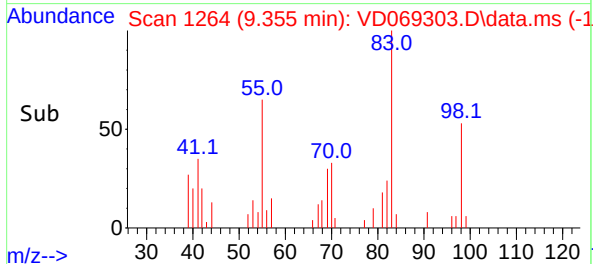
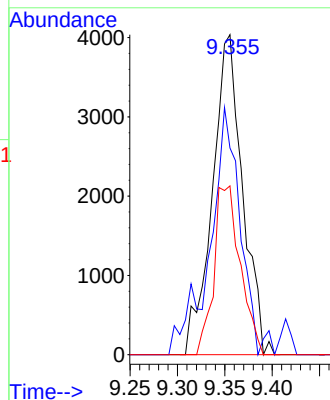
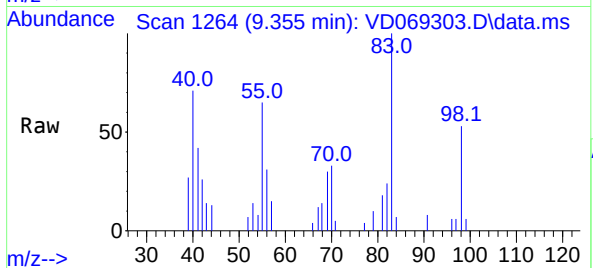
Delta R.T. 0.000 min

Lab File: VD069303.D

Acq: 02 Jun 2021 16:01

Tgt Ion: 83 Resp: 8963

Ion	Ratio	Lower	Upper
83	100		
55	59.2	57.4	86.2
98	52.7	42.2	63.2



#40

Benzene

Concen: 2.830 ug/l

RT: 8.350 min Scan# 1093

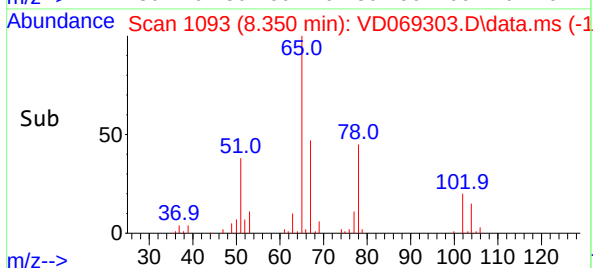
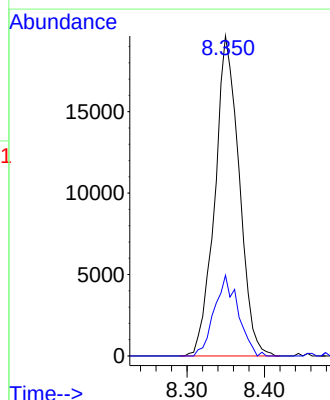
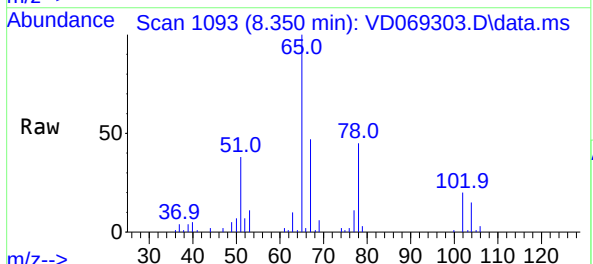
Delta R.T. -0.006 min

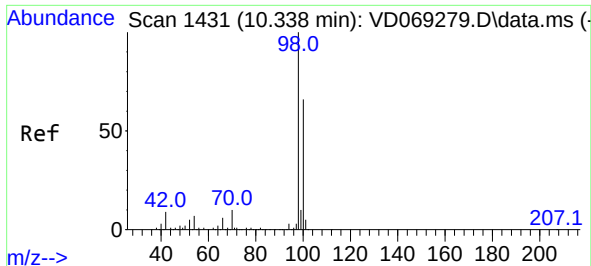
Lab File: VD069303.D

Acq: 02 Jun 2021 16:01

Tgt Ion: 78 Resp: 42950

Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.7	28.1

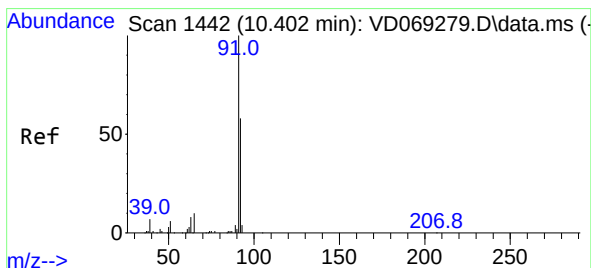
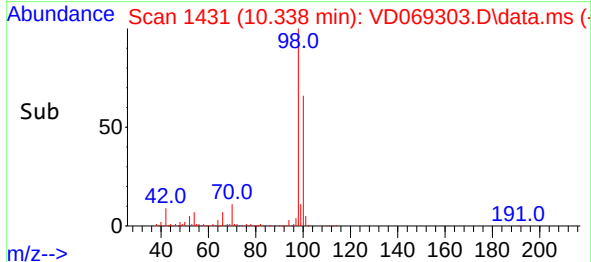
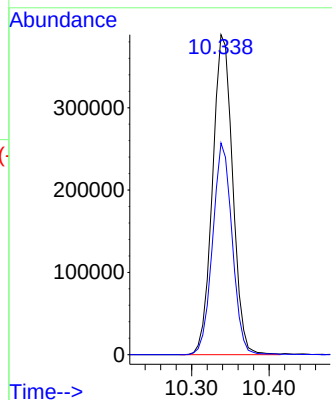
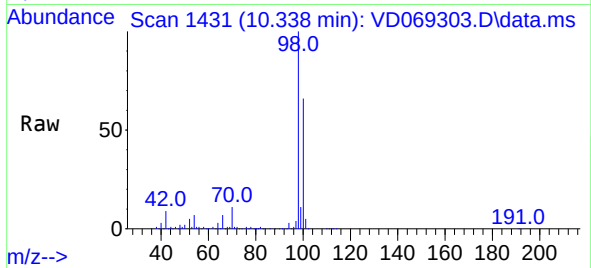




#50
Toluene-d8
Concen: 57.016 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

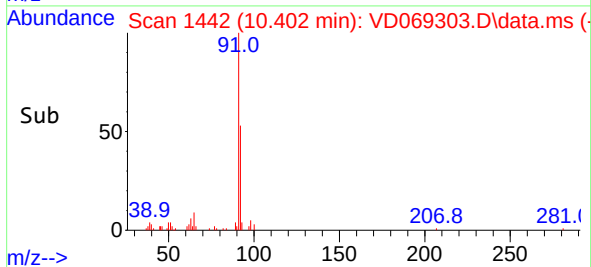
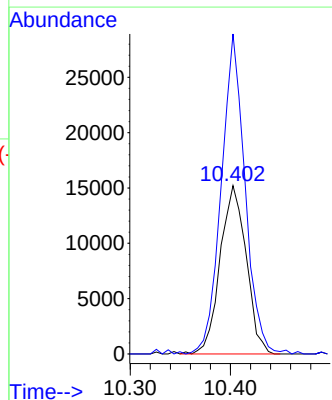
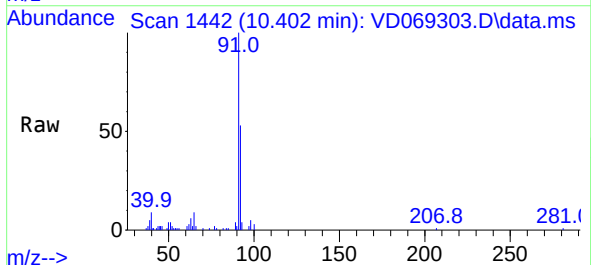
Instrument :
MSVOA_D
ClientSampleId :
18-B2(0-2)

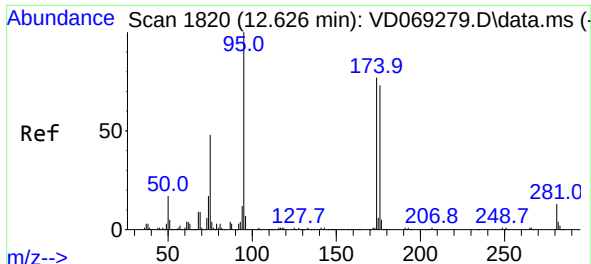
Tgt Ion: 98 Resp: 700023
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#52
Toluene
Concen: 2.866 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

Tgt Ion: 92 Resp: 27459
Ion Ratio Lower Upper
92 100
91 173.9 138.4 207.6

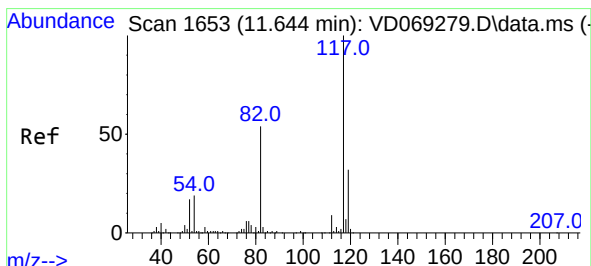
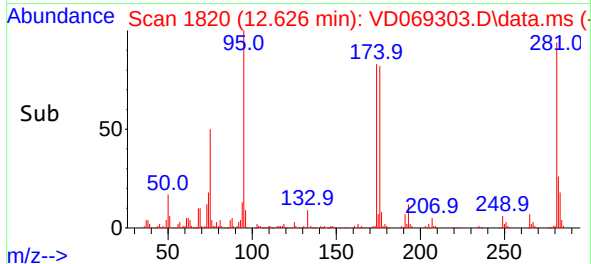
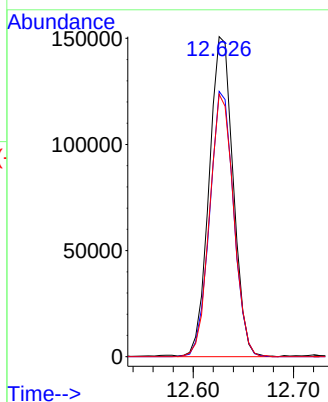
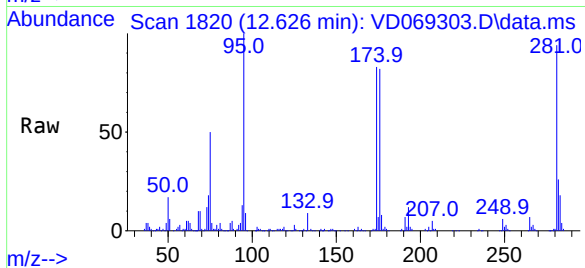




#62
4-Bromofluorobenzene
Concen: 62.422 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

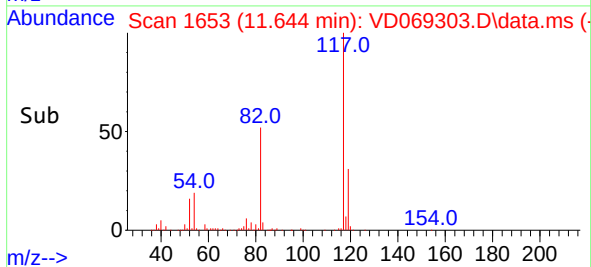
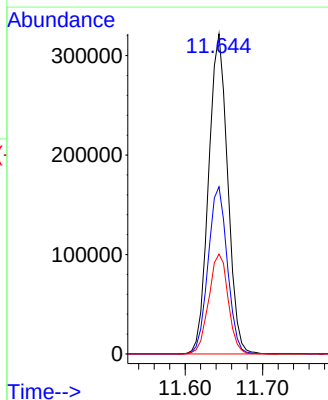
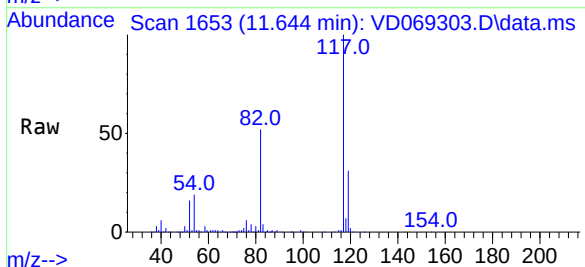
Instrument :
MSVOA_D
ClientSampled :
18-B2(0-2)

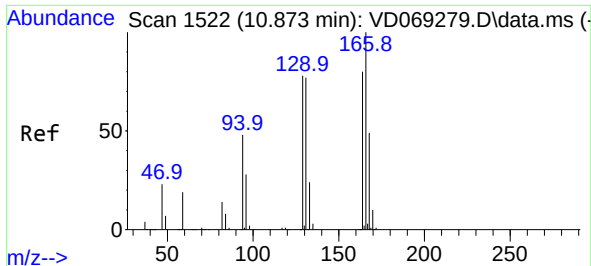
Tgt Ion:	95	Resp:	251126
Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	162.8
176	81.6	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

Tgt Ion:	117	Resp:	549175
Ion	Ratio	Lower	Upper
117	100		
82	52.3	43.3	64.9
119	31.2	25.3	37.9

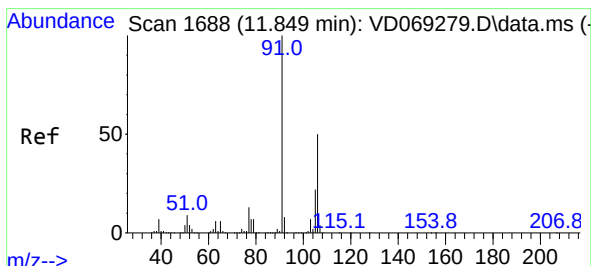
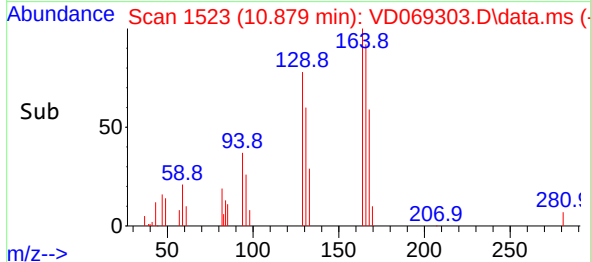
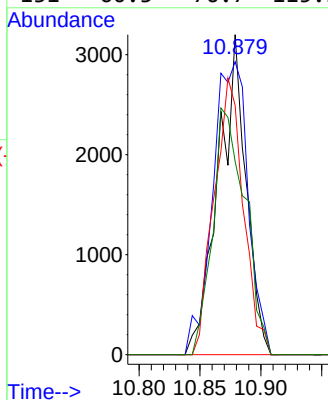
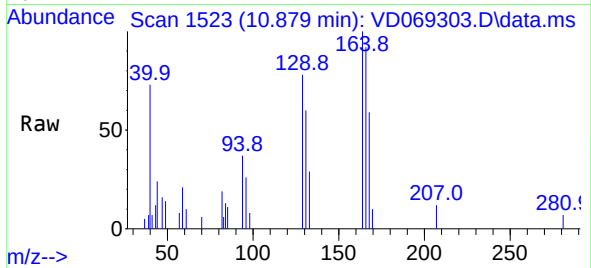




#64
Tetrachloroethene
Concen: 1.338 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. 0.006 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

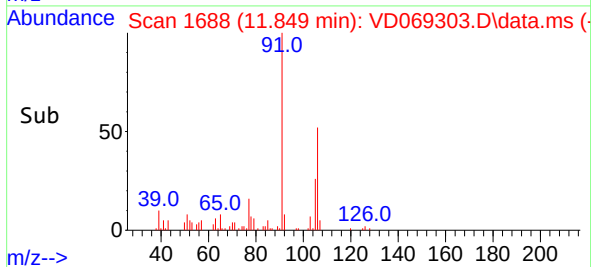
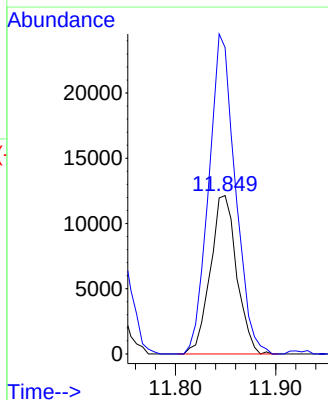
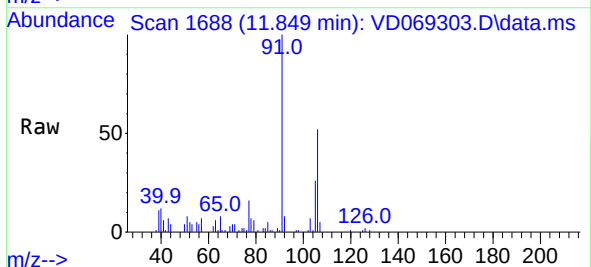
Instrument :
MSVOA_D
ClientSampleId :
18-B2(0-2)

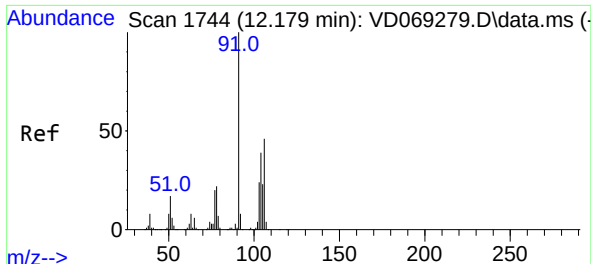
Tgt Ion:164 Resp: 5116
Ion Ratio Lower Upper
164 100
166 91.5 100.2 150.4#
129 77.9 78.1 117.1#
131 60.3 76.7 115.1#



#68
m/p-Xylenes
Concen: 2.930 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

Tgt Ion:106 Resp: 22136
Ion Ratio Lower Upper
106 100
91 203.9 158.3 237.5

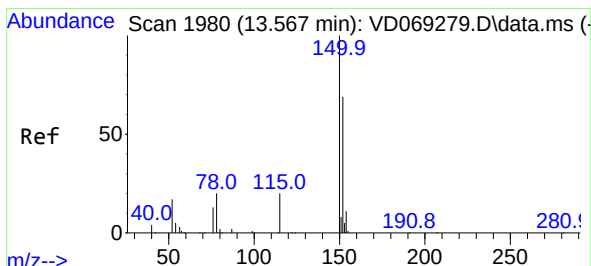
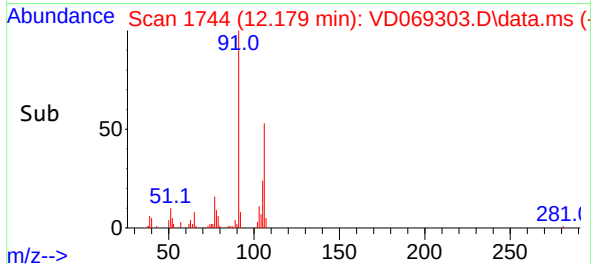
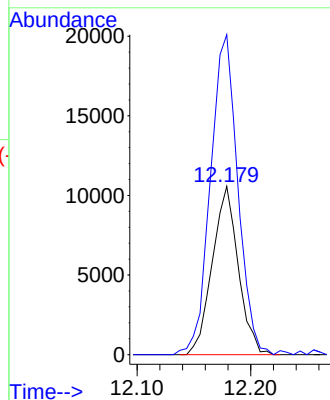
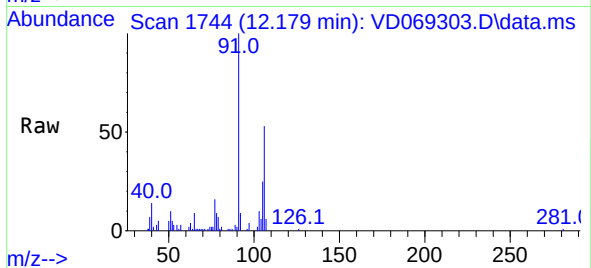




#69
o-Xylene
Concen: 2.512 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

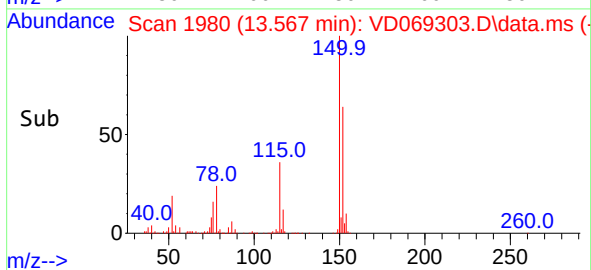
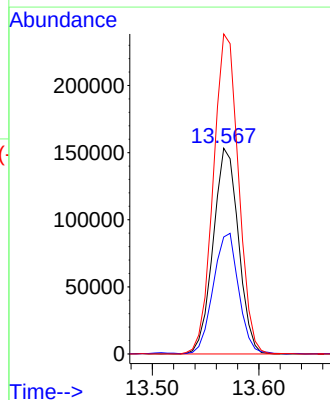
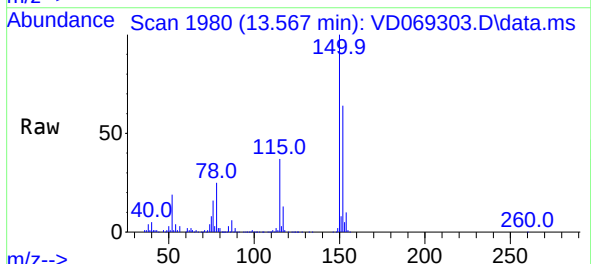
Instrument :
MSVOA_D
ClientSampleId :
18-B2(0-2)

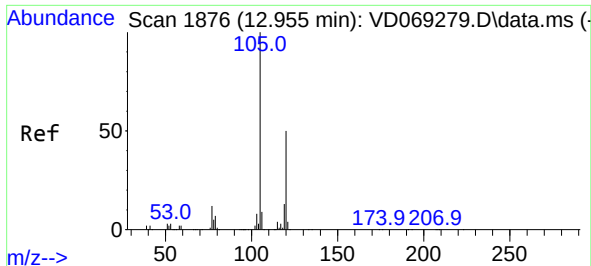
Tgt Ion:106 Resp: 16787
Ion Ratio Lower Upper
106 100
91 200.1 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

Tgt Ion:152 Resp: 252537
Ion Ratio Lower Upper
152 100
115 59.2 29.4 88.3
150 155.3 0.0 355.0

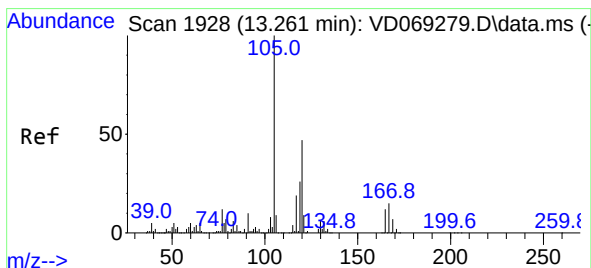
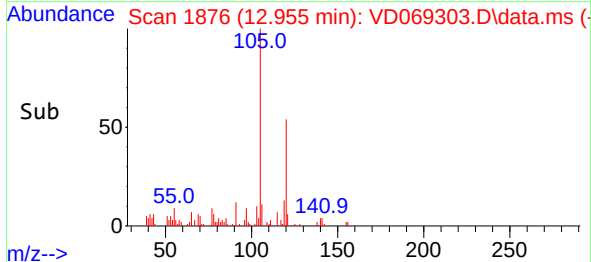
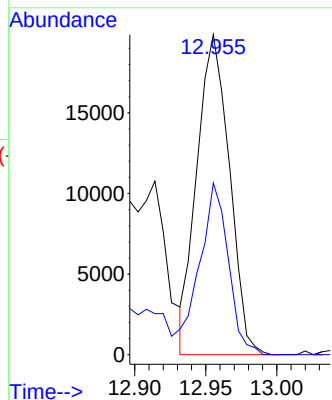
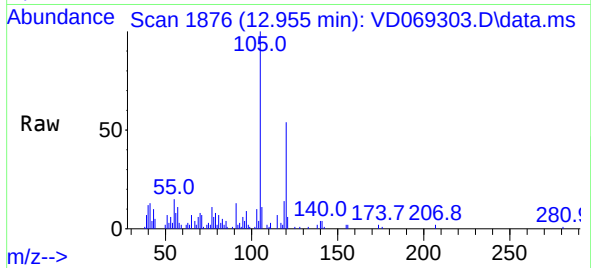




#80
1,3,5-Trimethylbenzene
Concen: 2.151 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

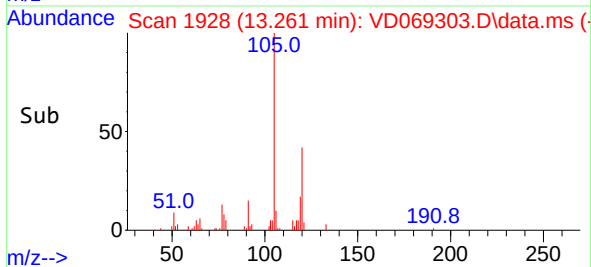
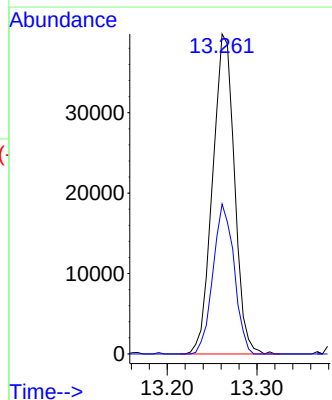
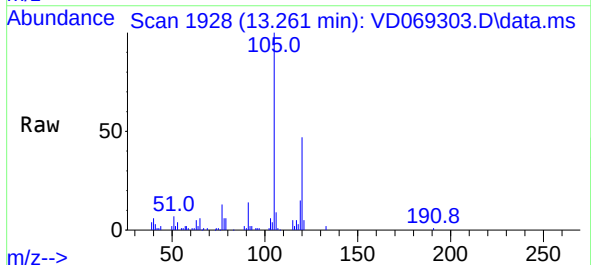
Instrument :
MSVOA_D
ClientSampleId :
18-B2(0-2)

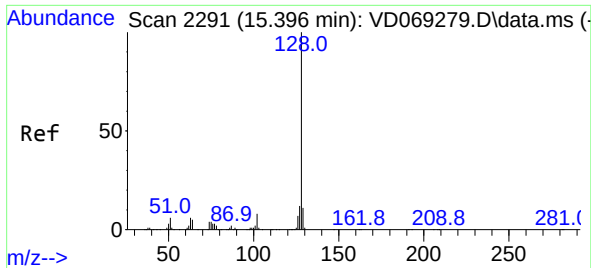
Tgt Ion:105 Resp: 31484
Ion Ratio Lower Upper
105 100
120 48.4 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 4.625 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

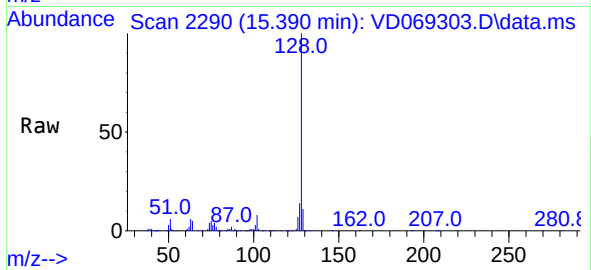
Tgt Ion:105 Resp: 67328
Ion Ratio Lower Upper
105 100
120 45.2 22.6 67.8





#95
Naphthalene
Concen: 67.786 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069303.D
Acq: 02 Jun 2021 16:01

Instrument :
MSVOA_D
ClientSampleId :
18-B2(0-2)



Tgt Ion:128 Resp: 595008
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.0 8.8 13.2

