

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
 Data File : VD069321.D
 Acq On : 03 Jun 2021 13:25
 Operator : VA/SY
 Sample : M2580-15
 Misc : 7.72G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

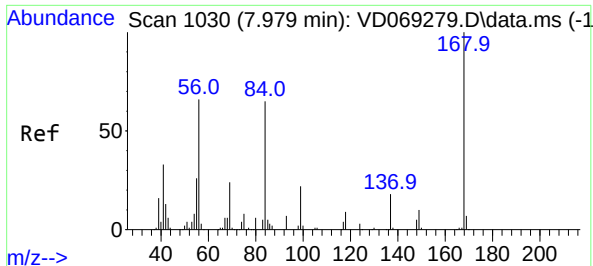
Instrument :
 MSVOA_D
 ClientSampleId :
 18-B5(4-6)

Quant Time: Jun 04 03:00:50 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	284337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	598478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	613038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	268091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	202908	74.372	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 148.740%	
35) Dibromofluoromethane	7.914	113	209495	55.742	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.480%	
50) Toluene-d8	10.338	98	784423	57.397	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.800%	
62) 4-Bromofluorobenzene	12.626	95	276875	61.828	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 123.660%	
Target Compounds						Qvalue
16) Acetone	4.156	43	30561	64.190	ug/l	98
17) Carbon Disulfide	4.415	76	65288	6.923	ug/l	99
25) 2-Butanone	7.214	43	9559	15.258	ug/l	95
39) Methylcyclohexane	9.356	83	17894	3.007	ug/l	93
40) Benzene	8.350	78	102570	6.071	ug/l	99
44) Trichloroethene	9.108	130	6928	1.509	ug/l	99
52) Toluene	10.403	92	58014	5.440	ug/l	96
64) Tetrachloroethene	10.879	164	13103	3.071	ug/l	93
67) Ethyl Benzene	11.744	91	60848	2.827	ug/l	98
68) m/p-Xylenes	11.850	106	57611	6.831	ug/l	95
69) o-Xylene	12.179	106	35132	4.710	ug/l	97
78) n-propylbenzene	12.814	91	49654	2.207	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	118308	7.614	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	242067	15.664	ug/l	99
85) sec-Butylbenzene	13.396	105	32617	1.698	ug/l #	71
86) p-Isopropyltoluene	13.508	119	52816	3.145	ug/l #	74
89) n-Butylbenzene	13.838	91	31804	2.024	ug/l #	82
95) Naphthalene	15.390	128	407827	44.936	ug/l	99

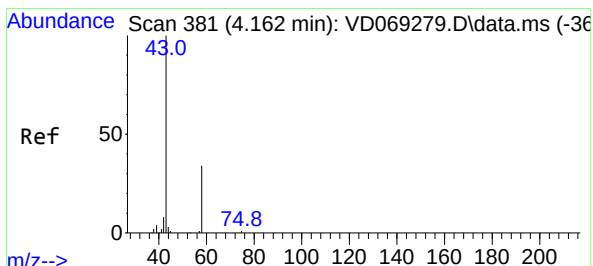
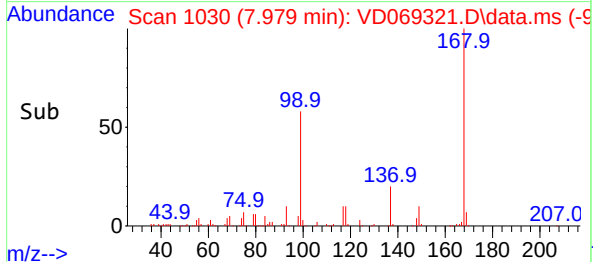
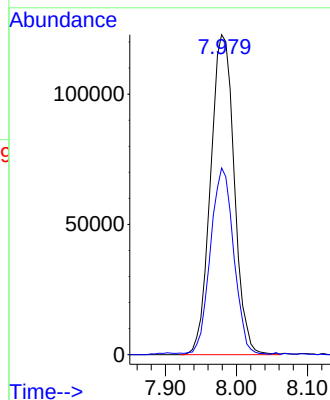
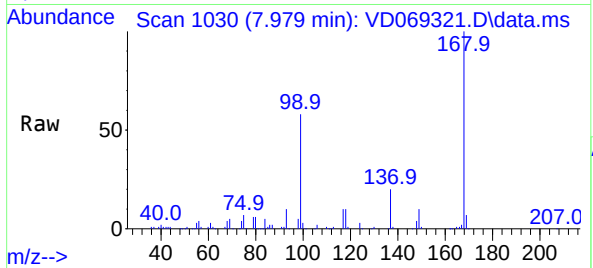
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

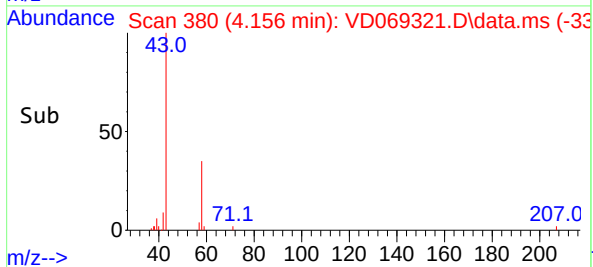
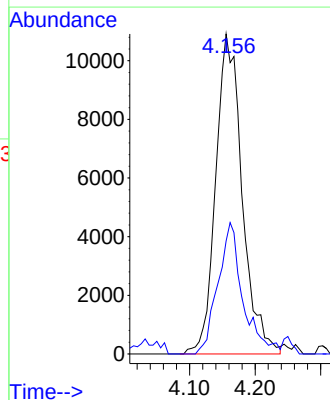
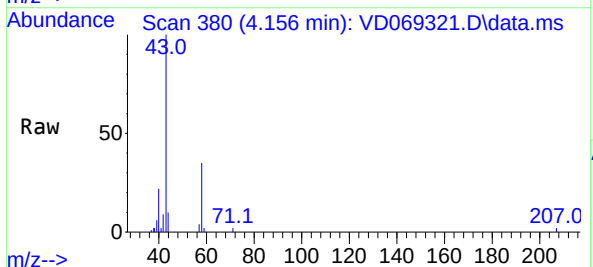
Instrument :
MSVOA_D
ClientSampleId :
18-B5(4-6)

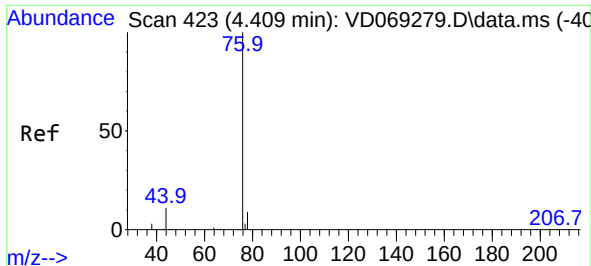
Tgt Ion:168 Resp: 284337
Ion Ratio Lower Upper
168 100
99 58.2 46.2 69.2



#16
Acetone
Concen: 64.190 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Tgt Ion: 43 Resp: 30561
Ion Ratio Lower Upper
43 100
58 35.3 27.5 41.3

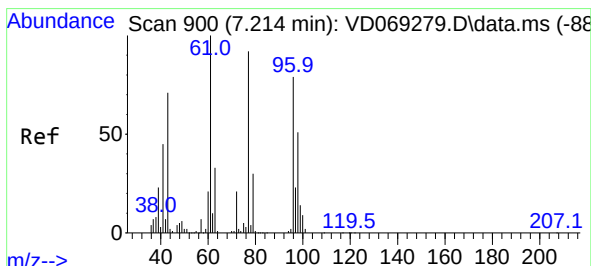
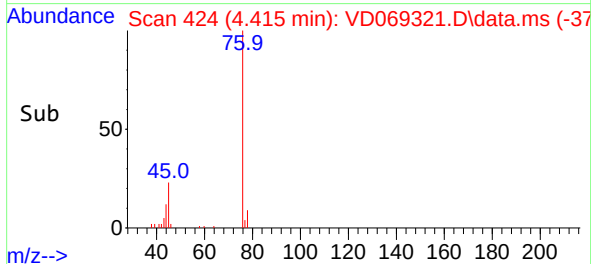
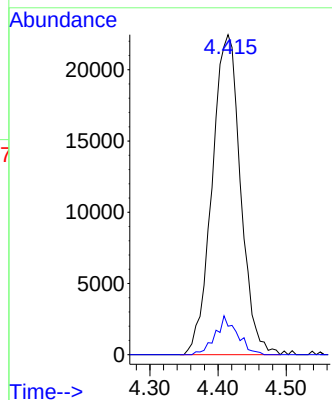
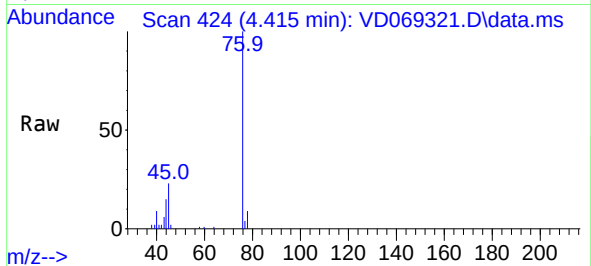




#17
Carbon Disulfide
Concen: 6.923 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

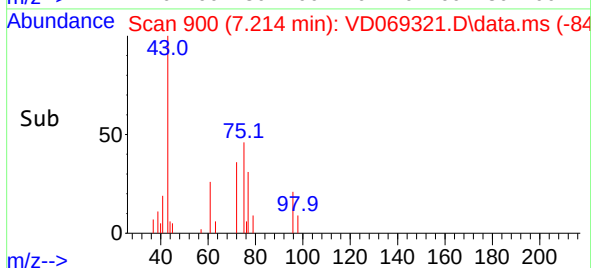
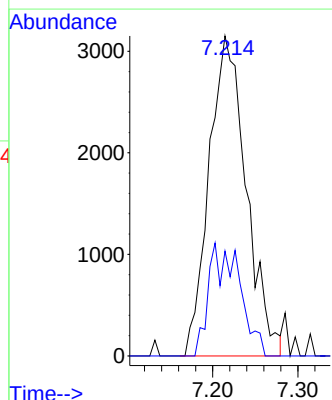
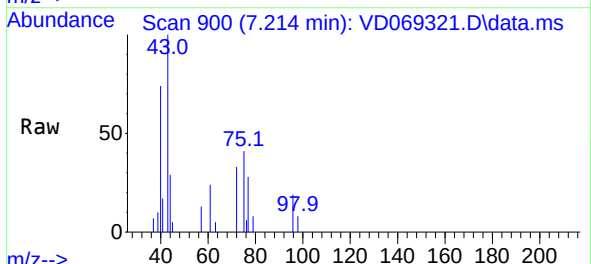
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MSVOA_D
ClientSampleId :
18-B5(4-6)

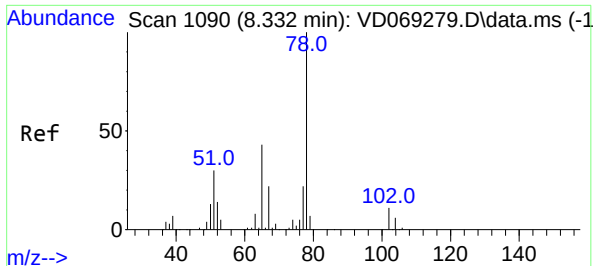
Tgt Ion: 76 Resp: 65288
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#25
2-Butanone
Concen: 15.258 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Tgt Ion: 43 Resp: 9559
Ion Ratio Lower Upper
43 100
72 32.8 23.9 35.9

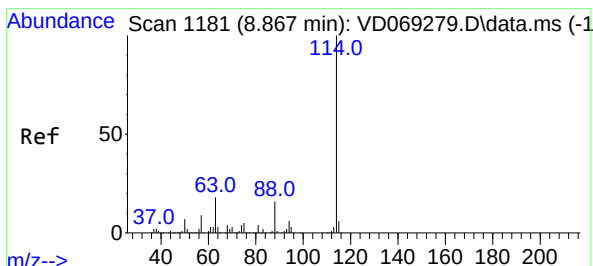
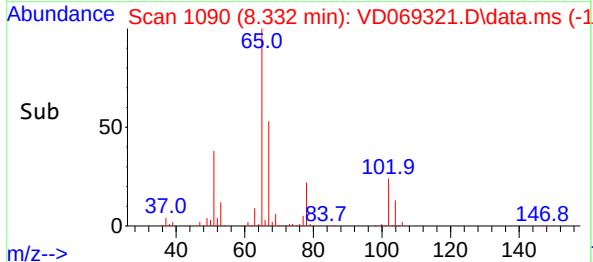
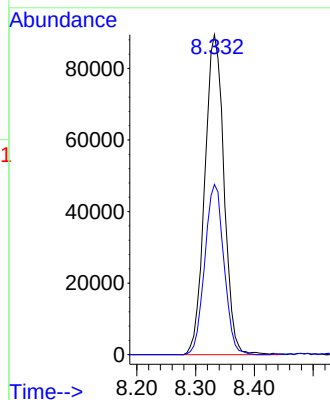
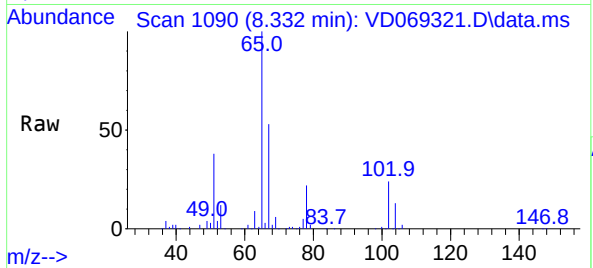




#33
1,2-Dichloroethane-d4
Concen: 74.372 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

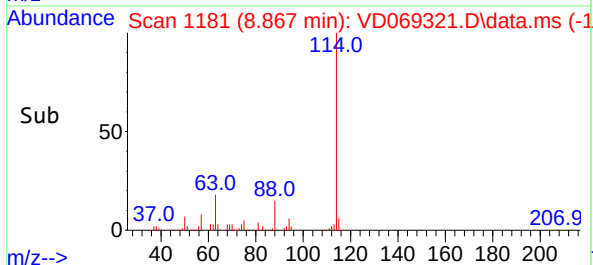
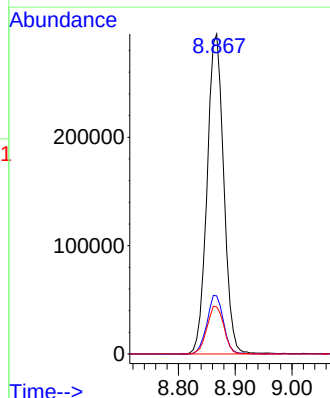
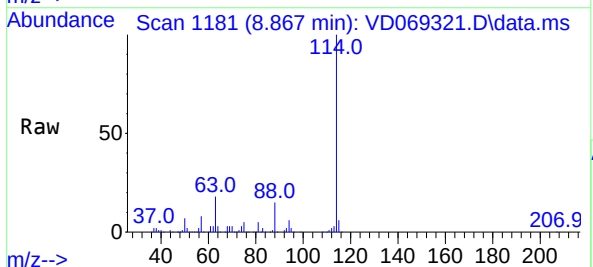
Instrument :
MSVOA_D
ClientSampleId :
18-B5(4-6)

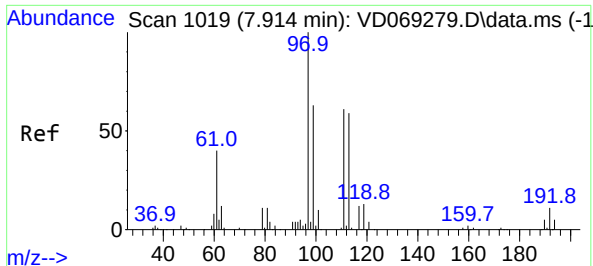
Tgt Ion: 65 Resp: 202908
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Tgt Ion:114 Resp: 598478
Ion Ratio Lower Upper
114 100
63 18.2 0.0 35.6
88 14.7 0.0 31.2



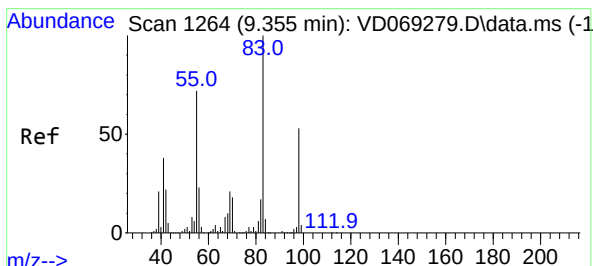
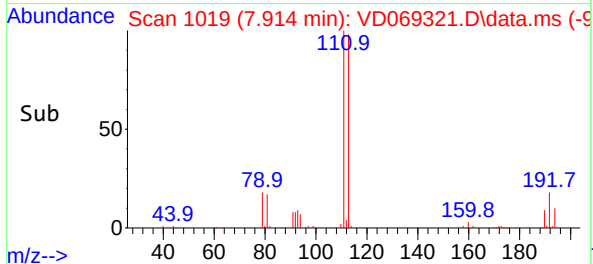
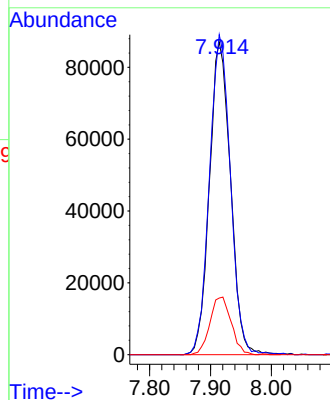
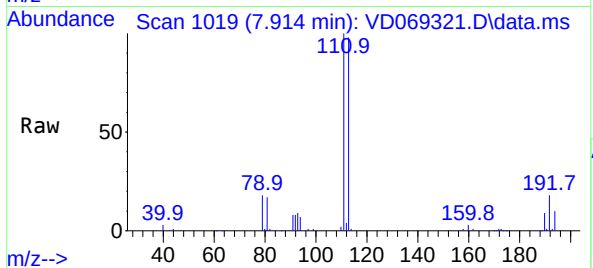


#35

Dibromofluoromethane
Concen: 55.742 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Instrument :
MSVOA_D
ClientSampleId :
18-B5(4-6)

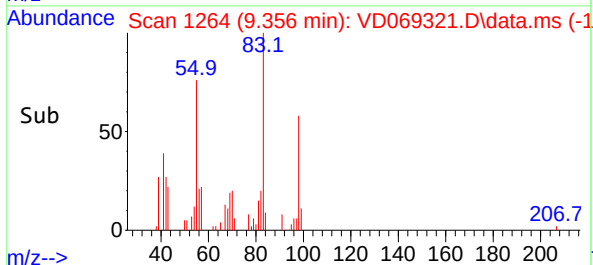
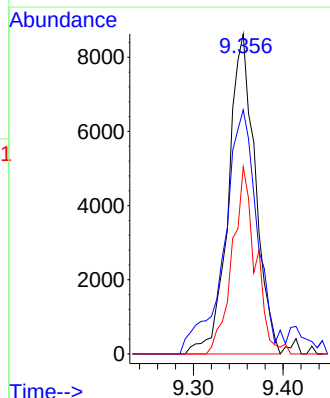
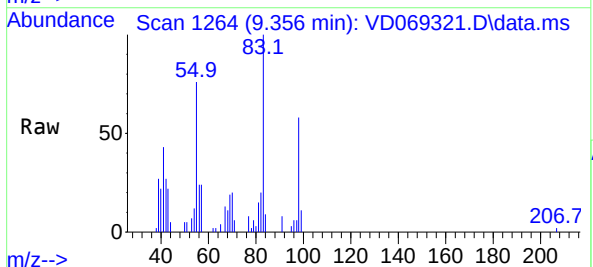
Tgt Ion:113 Resp: 209495
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.6
192 18.6 15.1 22.7

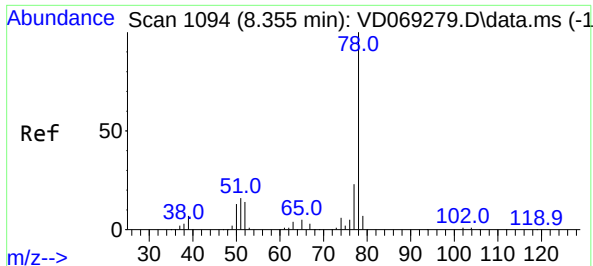


#39

Methylcyclohexane
Concen: 3.007 ug/l
RT: 9.356 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Tgt Ion: 83 Resp: 17894
Ion Ratio Lower Upper
83 100
55 76.3 57.4 86.2
98 58.5 42.2 63.2

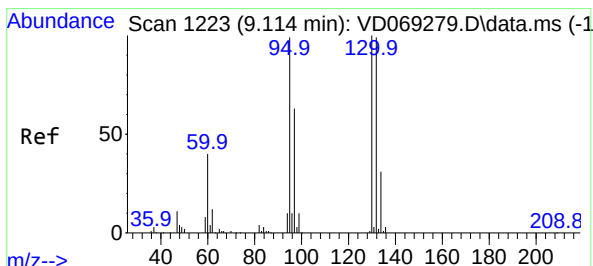
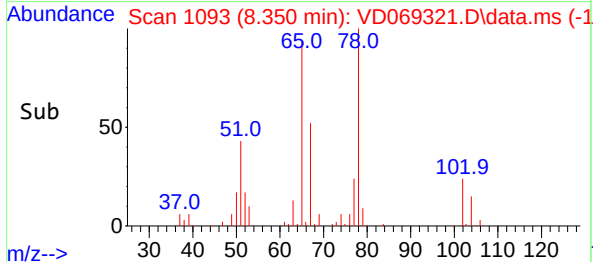
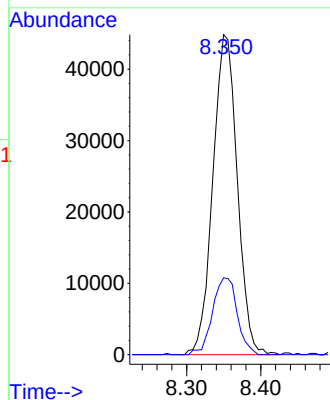
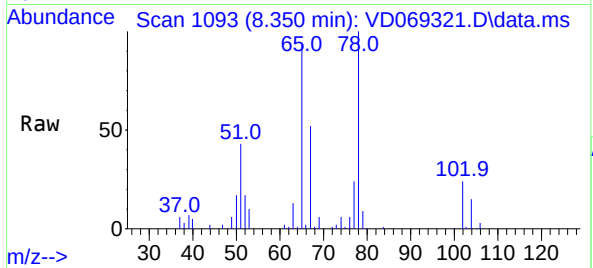




#40
Benzene
Concen: 6.071 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

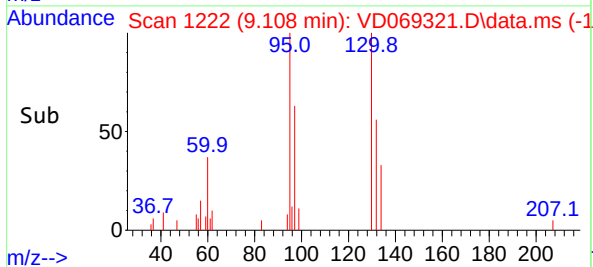
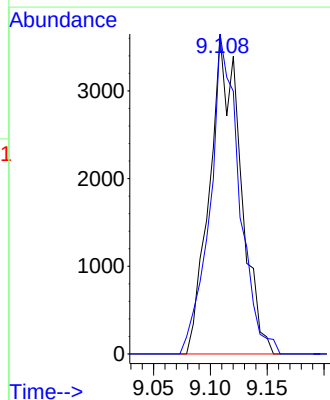
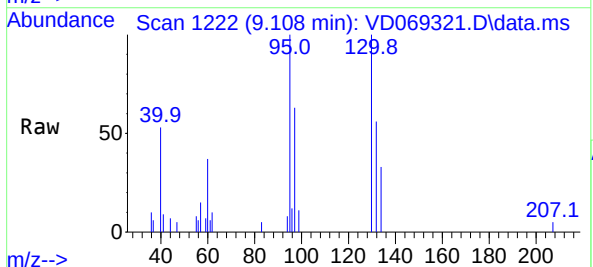
Instrument :
MSVOA_D
ClientSampled :
18-B5(4-6)

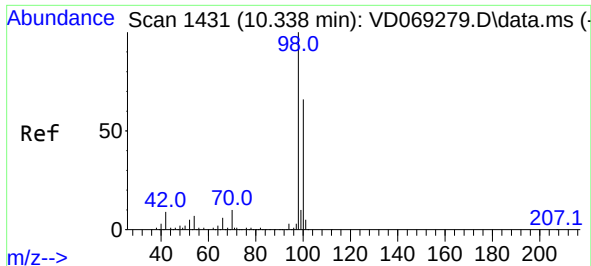
Tgt Ion: 78 Resp: 102570
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1



#44
Trichloroethene
Concen: 1.509 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Tgt Ion: 130 Resp: 6928
Ion Ratio Lower Upper
130 100
95 100.5 0.0 198.8

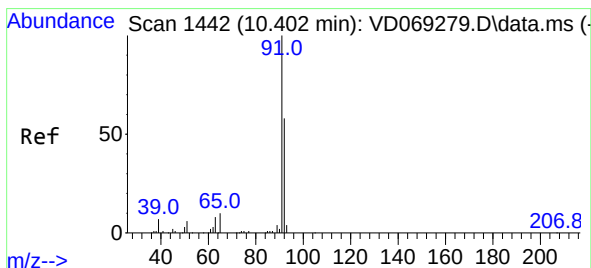
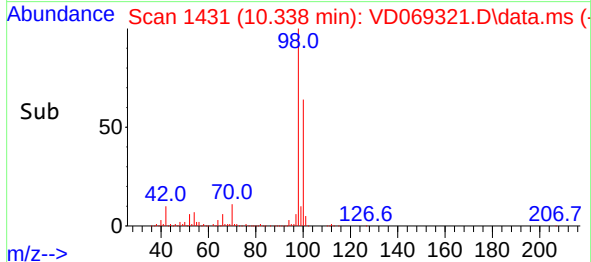
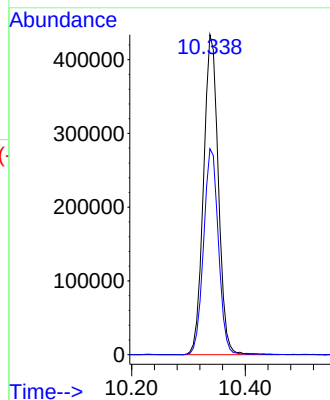
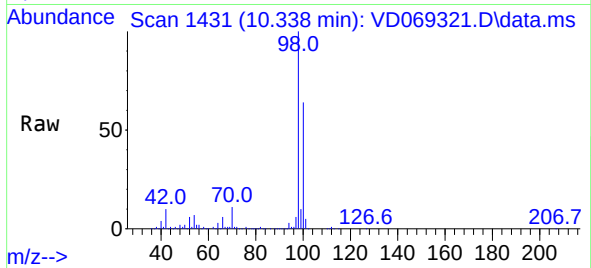




#50
Toluene-d8
Concen: 57.397 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

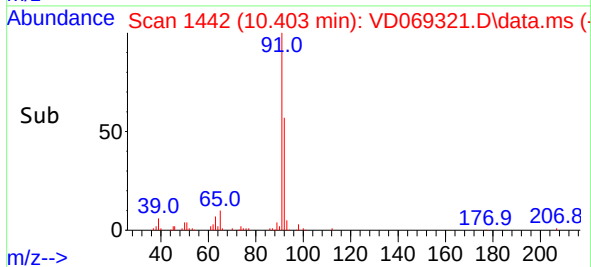
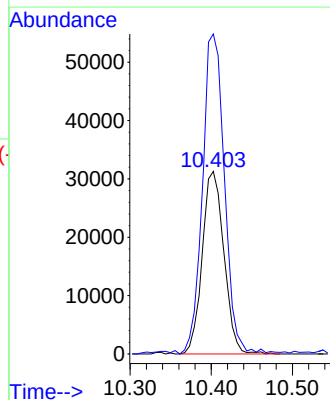
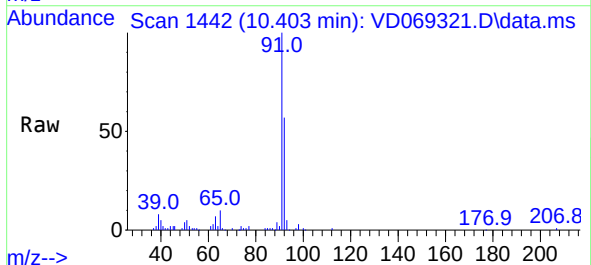
Instrument :
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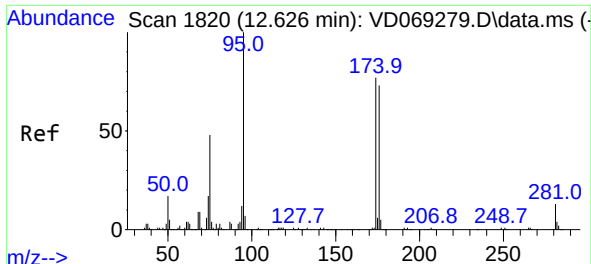
Tgt Ion: 98 Resp: 784423
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#52
Toluene
Concen: 5.440 ug/l
RT: 10.403 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Tgt Ion: 92 Resp: 58014
Ion Ratio Lower Upper
92 100
91 177.9 138.4 207.6

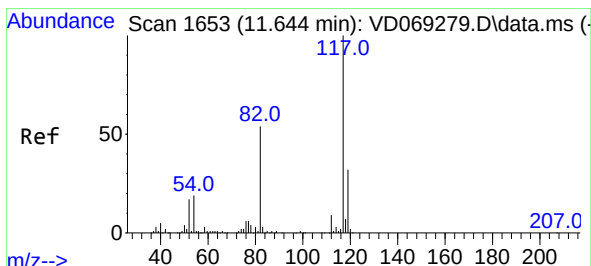
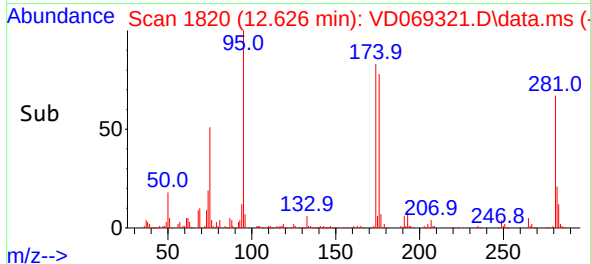
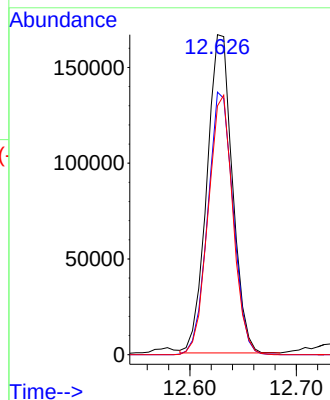
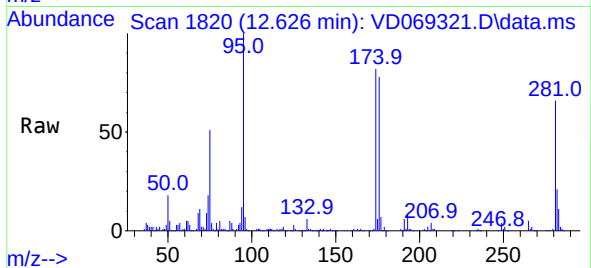




#62
4-Bromofluorobenzene
Concen: 61.828 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

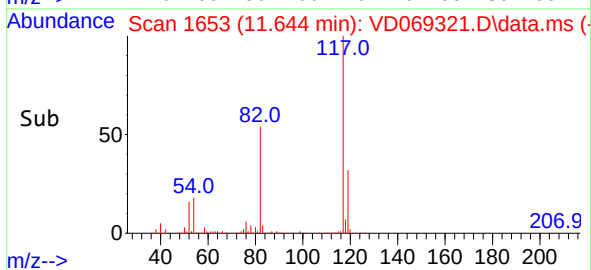
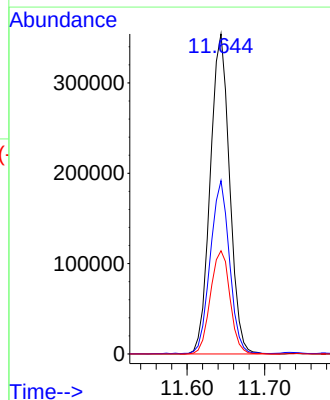
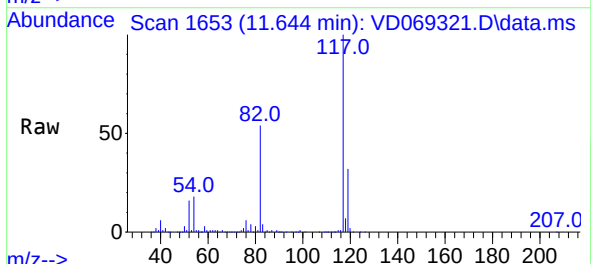
Instrument :
MSVOA_D
ClientSampleId :
18-B5(4-6)

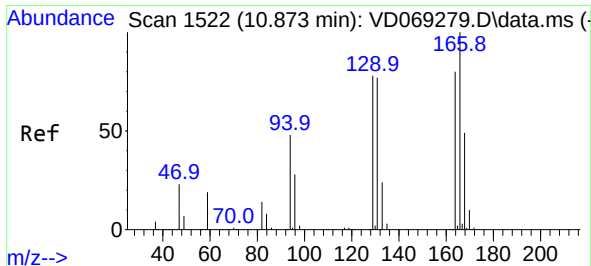
Tgt Ion: 95 Resp: 276875
Ion Ratio Lower Upper
95 100
174 82.0 0.0 162.8
176 79.2 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

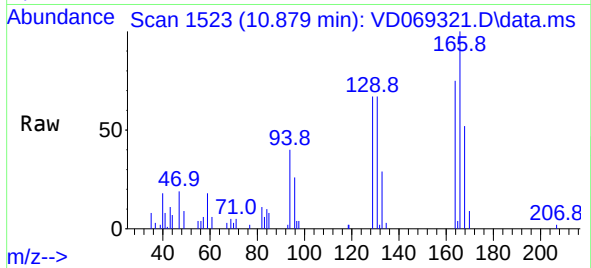
Tgt Ion: 117 Resp: 613038
Ion Ratio Lower Upper
117 100
82 54.0 43.3 64.9
119 32.2 25.3 37.9





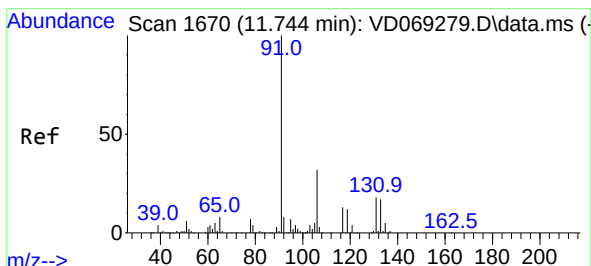
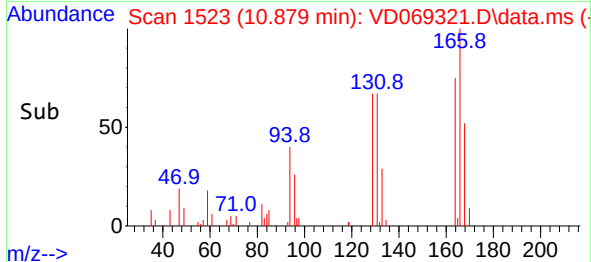
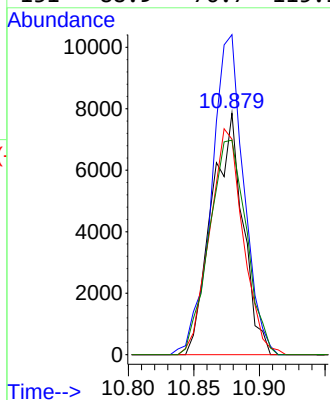
#64
Tetrachloroethene
Concen: 3.071 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. 0.006 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Instrument :
MSVOA_D
ClientSampleId :
18-B5(4-6)



Tgt Ion:164 Resp: 13103

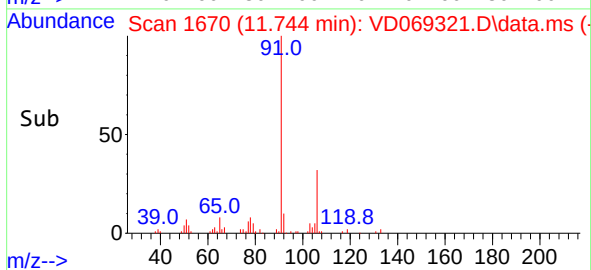
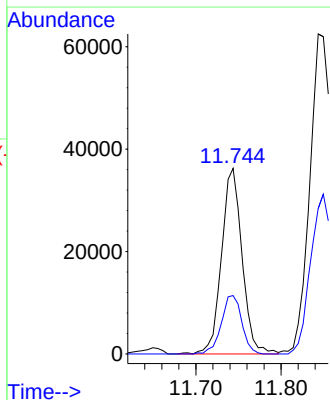
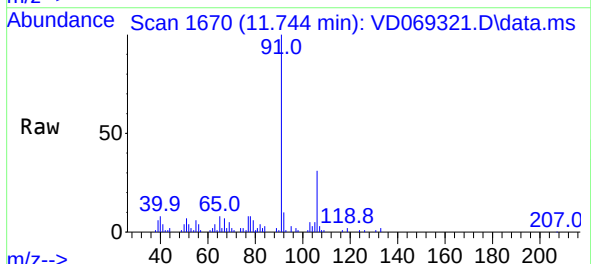
Ion	Ratio	Lower	Upper
164	100		
166	132.6	100.2	150.4
129	89.3	78.1	117.1
131	88.9	76.7	115.1

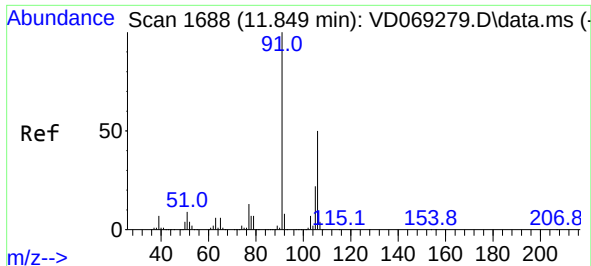


#67
Ethyl Benzene
Concen: 2.827 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Tgt Ion: 91 Resp: 60848

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.9	38.9

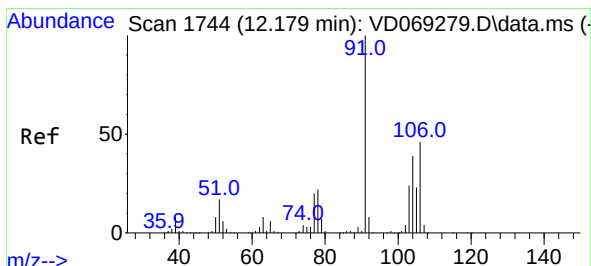
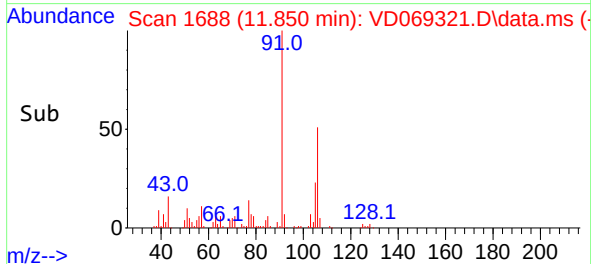
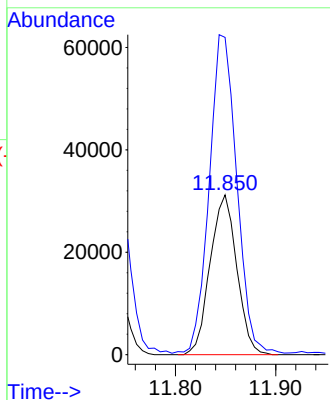
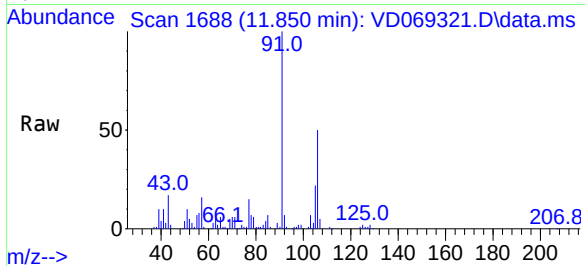




#68
m/p-Xylenes
Concen: 6.831 ug/l
RT: 11.850 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

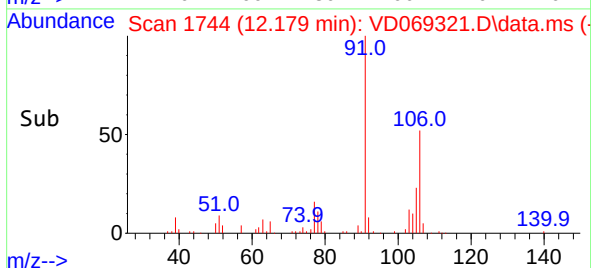
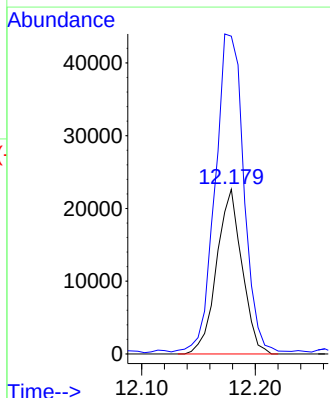
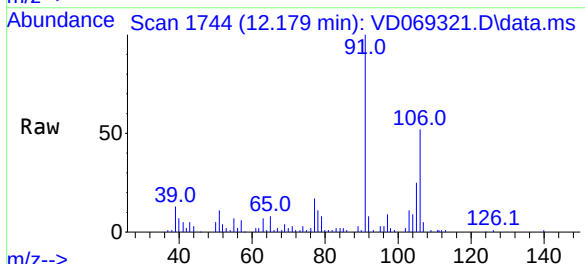
Instrument :
MSVOA_D
ClientSampleId :
18-B5(4-6)

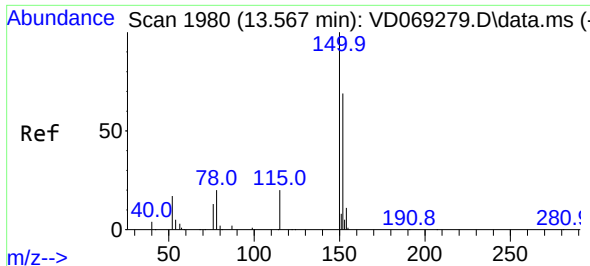
Tgt Ion:106 Resp: 57611
Ion Ratio Lower Upper
106 100
91 205.3 158.3 237.5



#69
o-Xylene
Concen: 4.710 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Tgt Ion:106 Resp: 35132
Ion Ratio Lower Upper
106 100
91 216.4 105.5 316.4

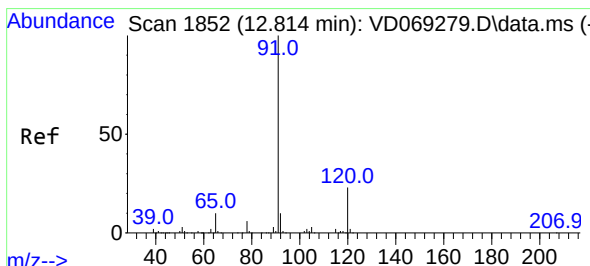
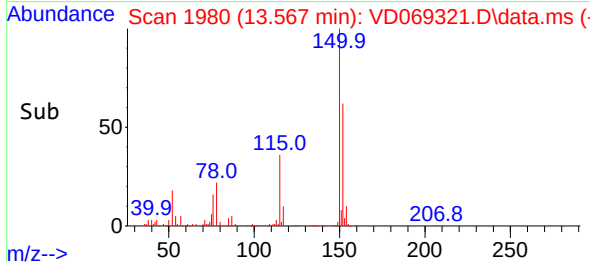
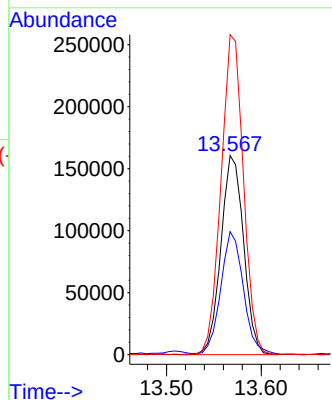
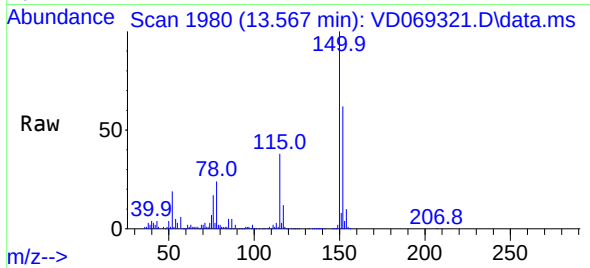




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

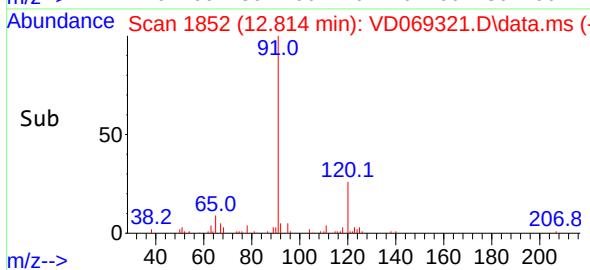
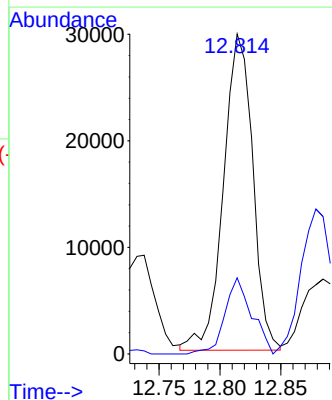
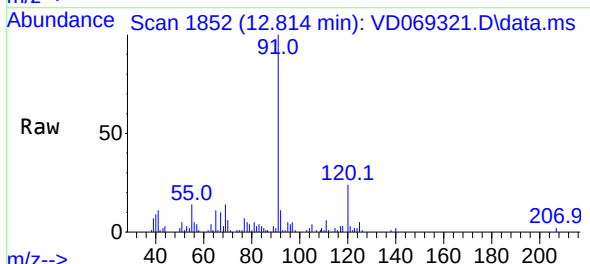
Instrument :
MSVOA_D
ClientSampleId :
18-B5(4-6)

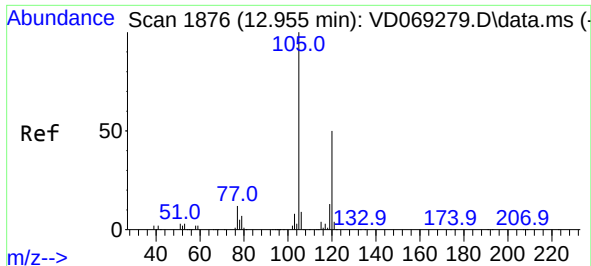
Tgt Ion:152 Resp: 268091
Ion Ratio Lower Upper
152 100
115 61.7 29.4 88.3
150 158.7 0.0 355.0



#78
n-propylbenzene
Concen: 2.207 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Tgt Ion: 91 Resp: 49654
Ion Ratio Lower Upper
91 100
120 22.1 11.6 34.8

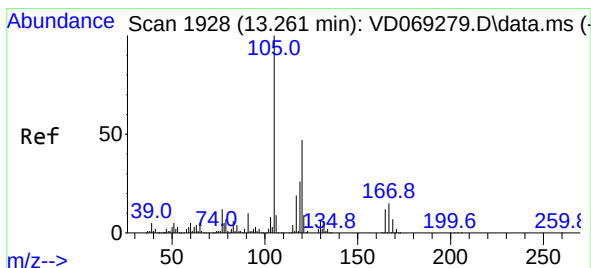
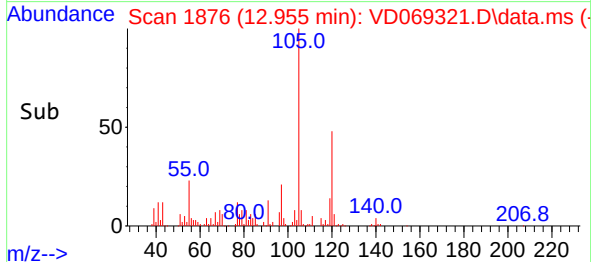
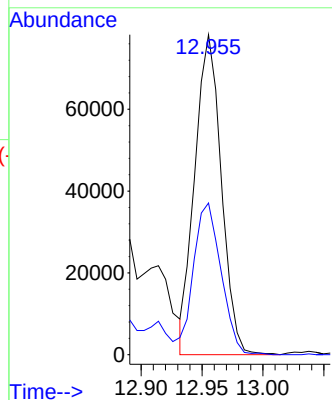
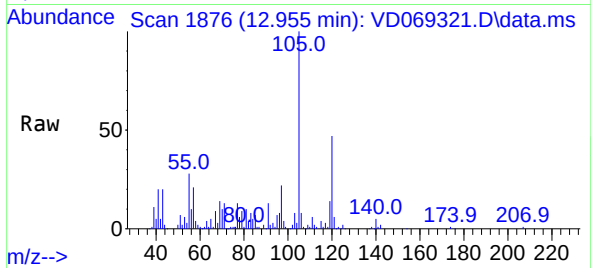




#80
1,3,5-Trimethylbenzene
Concen: 7.614 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

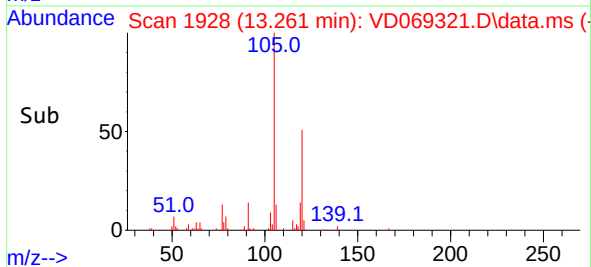
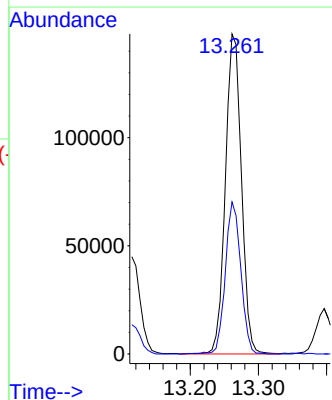
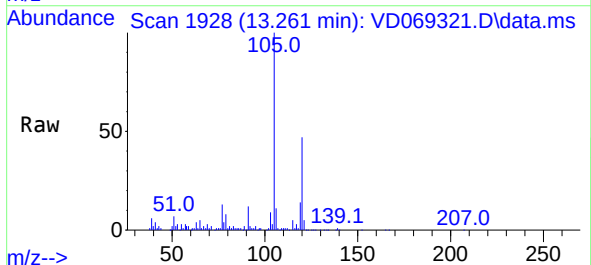
Instrument :
MSVOA_D
ClientSampleId :
18-B5(4-6)

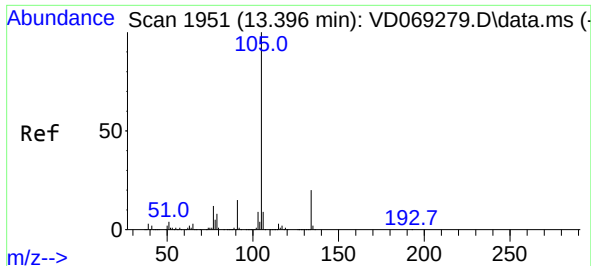
Tgt Ion:105 Resp: 118308
Ion Ratio Lower Upper
105 100
120 49.9 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 15.664 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Tgt Ion:105 Resp: 242067
Ion Ratio Lower Upper
105 100
120 46.0 22.6 67.8

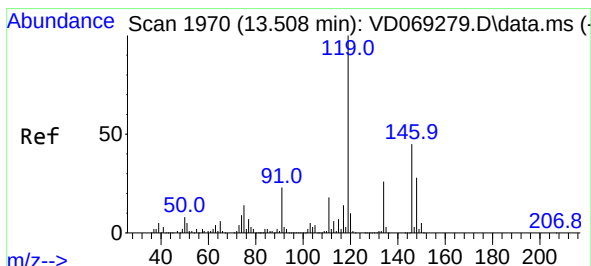
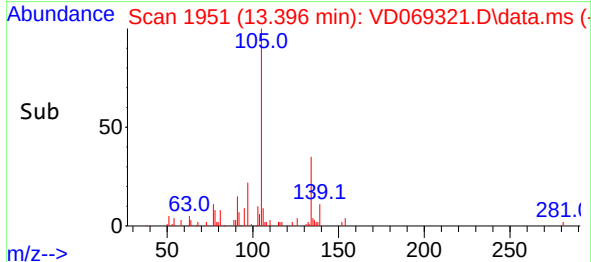
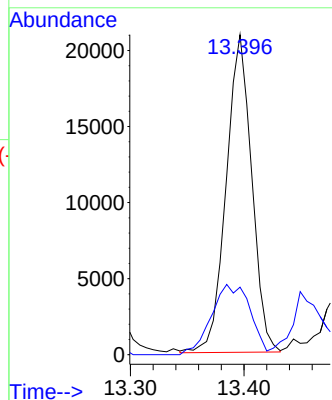
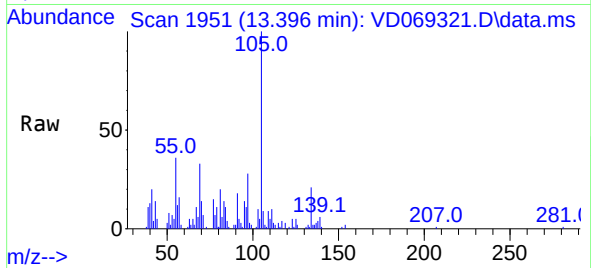




#85
sec-Butylbenzene
Concen: 1.698 ug/l
RT: 13.396 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

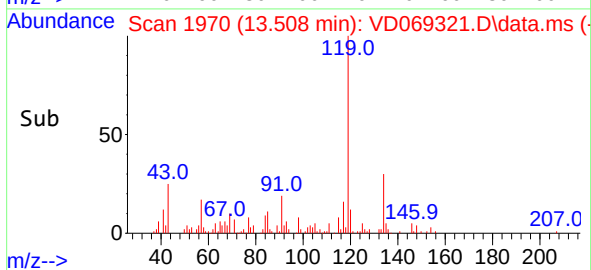
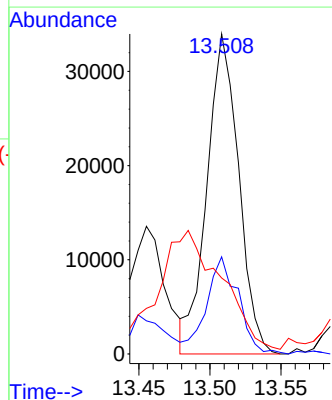
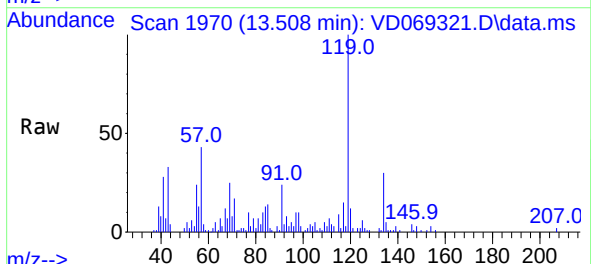
Instrument :
MSVOA_D
ClientSampled :
18-B5(4-6)

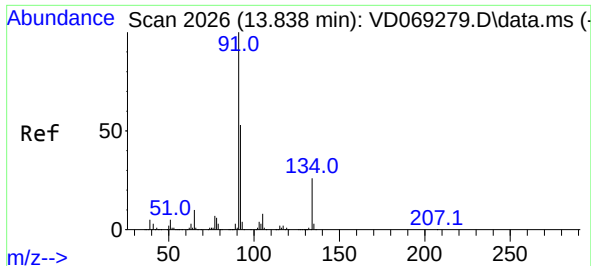
Tgt Ion:105 Resp: 32617
Ion Ratio Lower Upper
105 100
134 33.5 10.1 30.3#



#86
p-Isopropyltoluene
Concen: 3.145 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Tgt Ion:119 Resp: 52816
Ion Ratio Lower Upper
119 100
134 30.5 13.0 39.0
91 0.0 11.3 33.8#

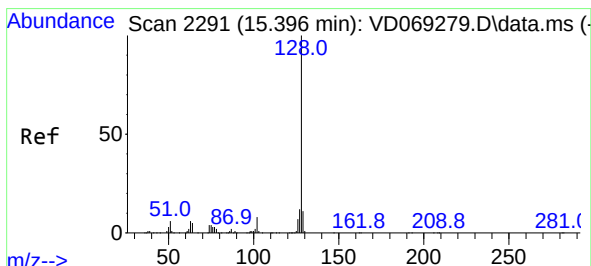
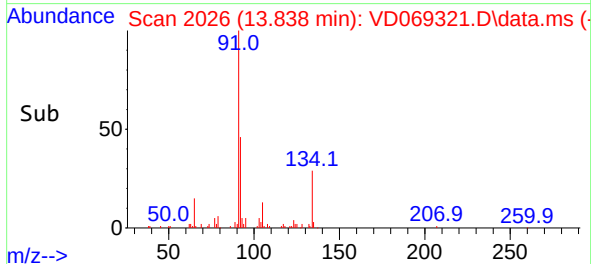
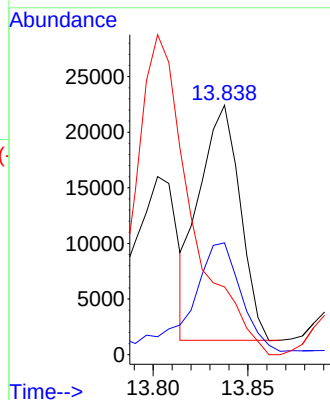
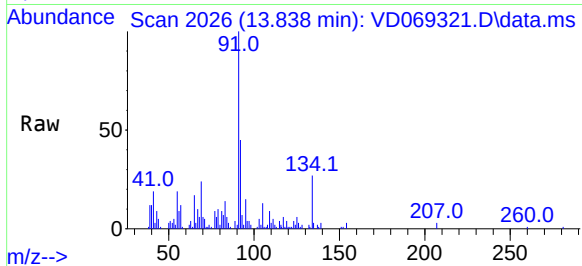




#89
n-Butylbenzene
Concen: 2.024 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. 0.000 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Instrument :
MSVOA_D
ClientSampled :
18-B5(4-6)

Tgt Ion: 91 Resp: 31804
Ion Ratio Lower Upper
91 100
92 54.4 26.4 79.2
134 0.0 13.0 38.9#



#95
Naphthalene
Concen: 44.936 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069321.D
Acq: 03 Jun 2021 13:25

Tgt Ion:128 Resp: 407827
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 11.4 8.8 13.2

