

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
 Data File : VD069313.D
 Acq On : 02 Jun 2021 20:43
 Operator : VA/SY
 Sample : M2580-13
 Misc : 5.19G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 18-B5(0-2)

Quant Time: Jun 03 01:12:23 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)

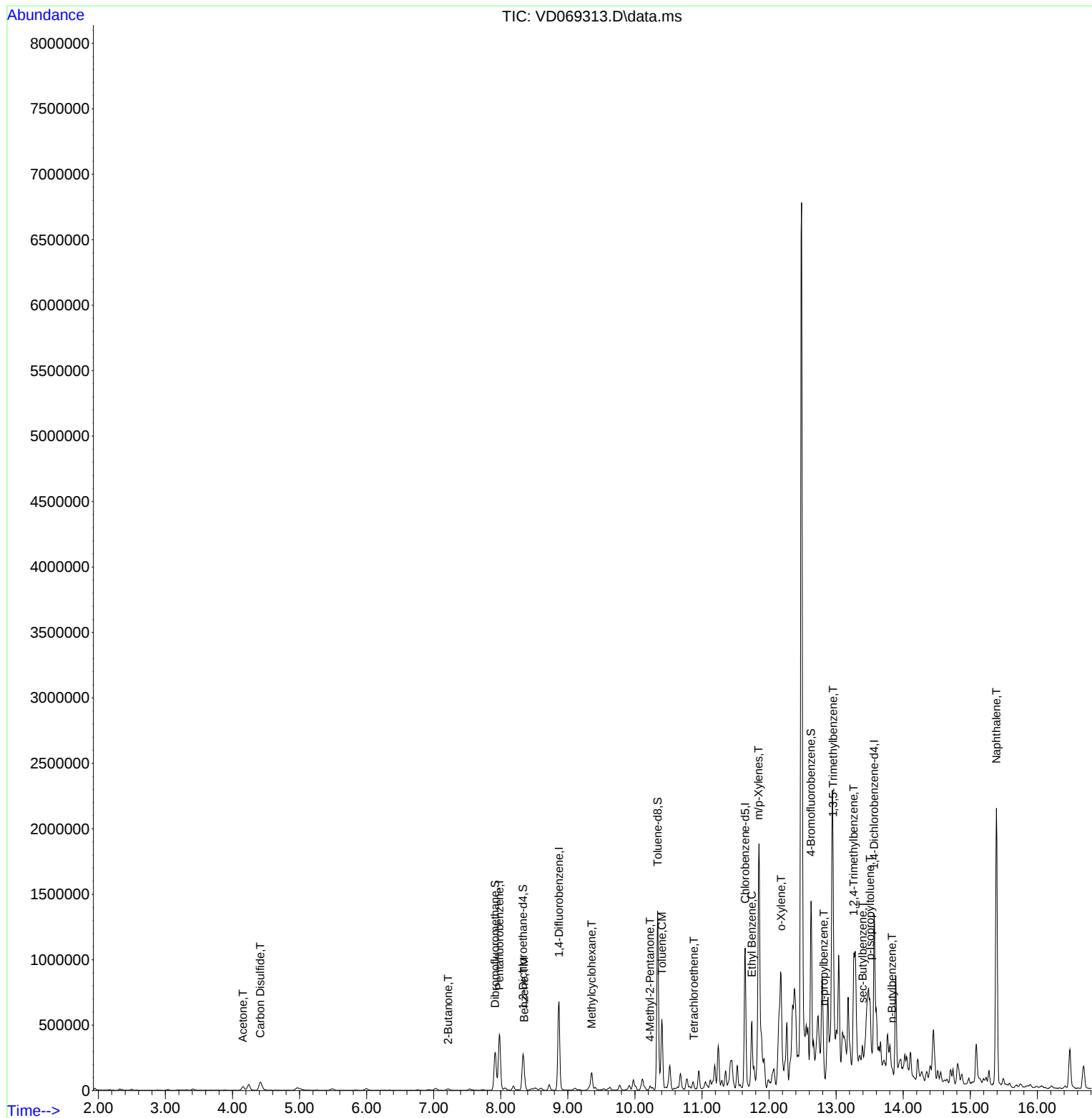
Internal Standards						
1) Pentafluorobenzene	7.979	168	292679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	610106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	641032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	307261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	199827	71.156	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.320%			
35) Dibromofluoromethane	7.914	113	215990	56.375	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.740%			
50) Toluene-d8	10.338	98	839364	60.247	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 120.500%			
62) 4-Bromofluorobenzene	12.626	95	312161	68.379	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 136.760%			
Target Compounds					Qvalue	
16) Acetone	4.156	43	43902	89.582	ug/l	91
17) Carbon Disulfide	4.414	76	110867	11.421	ug/l	98
25) 2-Butanone	7.214	43	12723	19.730	ug/l	99
39) Methylcyclohexane	9.355	83	50814	8.376	ug/l	94
40) Benzene	8.350	78	63476	3.685	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	13543	7.155	ug/l	89
52) Toluene	10.402	92	237961	21.889	ug/l	99
64) Tetrachloroethene	10.879	164	7126	1.597	ug/l	95
67) Ethyl Benzene	11.743	91	352676	15.670	ug/l	97
68) m/p-Xylenes	11.843	106	418419	47.446	ug/l	100
69) o-Xylene	12.179	106	199992	25.641	ug/l	100
78) n-propylbenzene	12.814	91	90385	3.505	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	213508	11.989	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	493186	27.845	ug/l	98
85) sec-Butylbenzene	13.396	105	45815	2.081	ug/l #	68
86) p-Isopropyltoluene	13.508	119	233974	12.156	ug/l #	82
89) n-Butylbenzene	13.832	91	22673	1.259	ug/l #	73
95) Naphthalene	15.390	128	1912528	173.657	ug/l	100

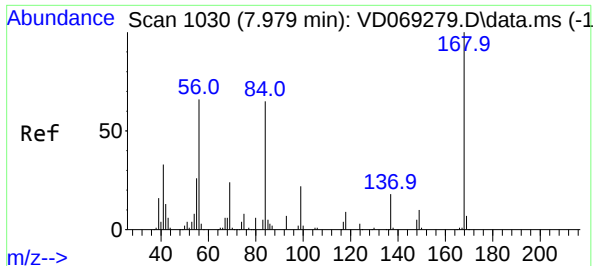
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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18-B5(0-2)

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260
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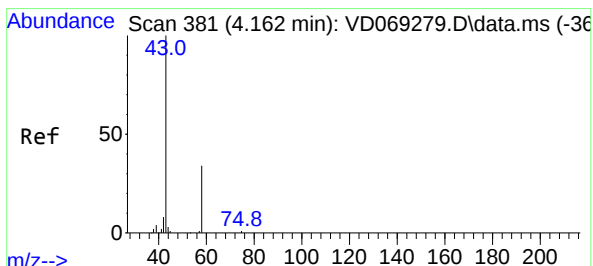
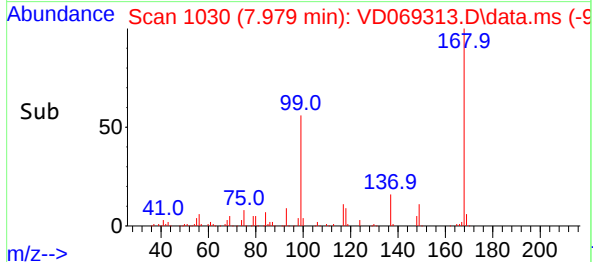
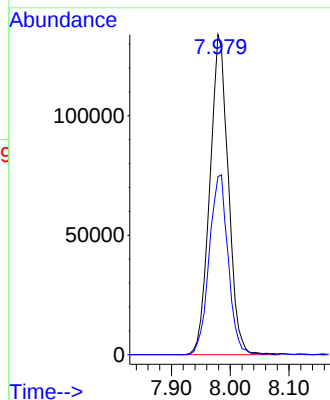
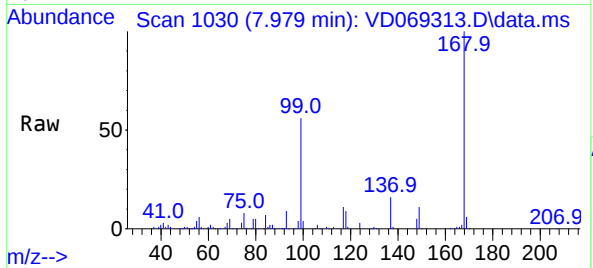




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

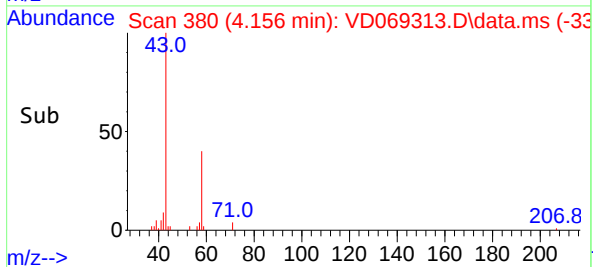
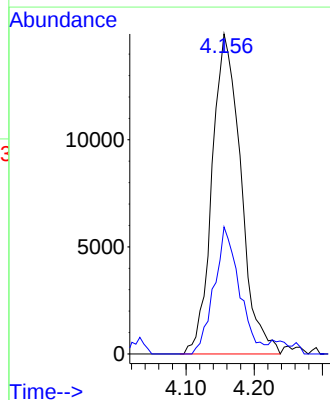
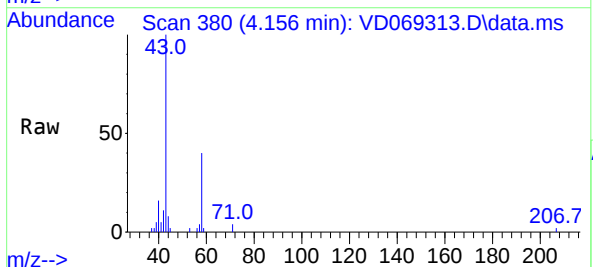
Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

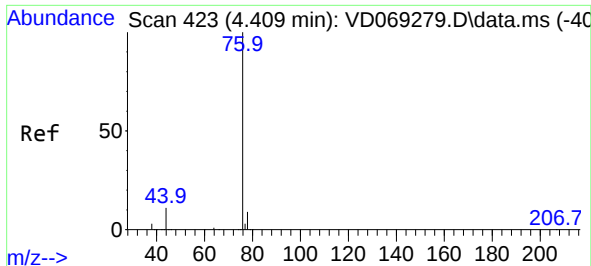
Tgt Ion:168 Resp: 292679
Ion Ratio Lower Upper
168 100
99 55.6 46.2 69.2



#16
Acetone
Concen: 89.582 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Tgt Ion: 43 Resp: 43902
Ion Ratio Lower Upper
43 100
58 39.7 27.5 41.3

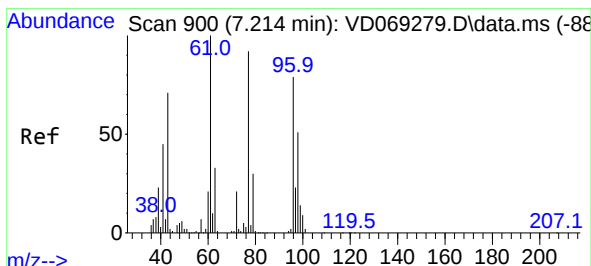
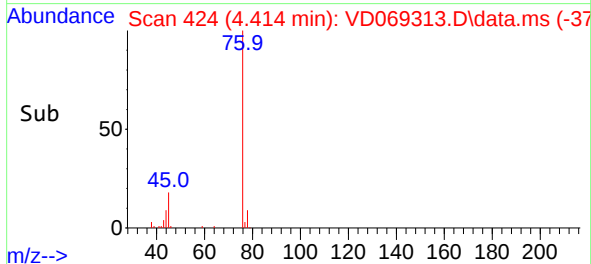
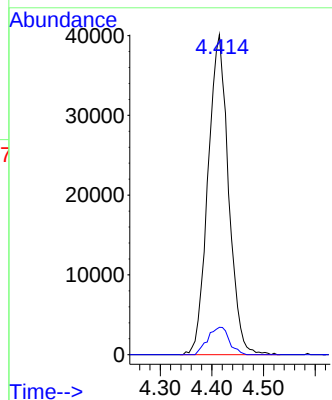
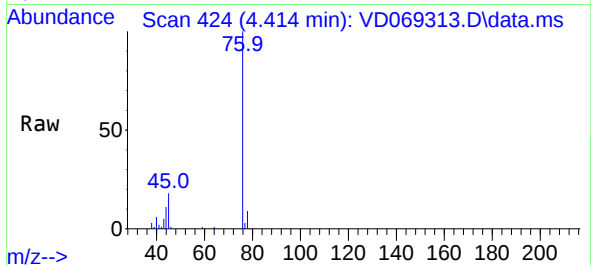




#17
Carbon Disulfide
Concen: 11.421 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

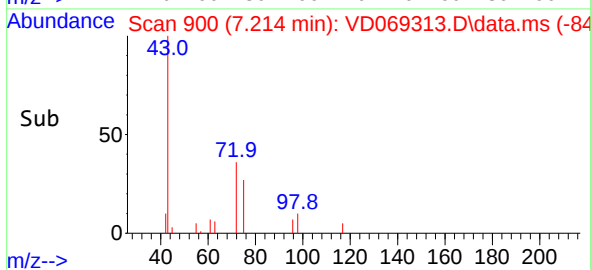
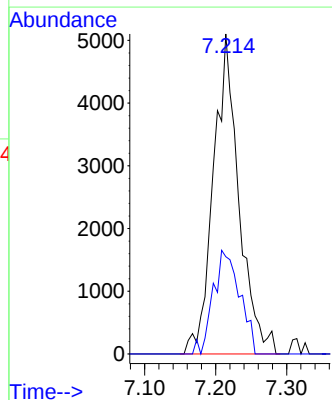
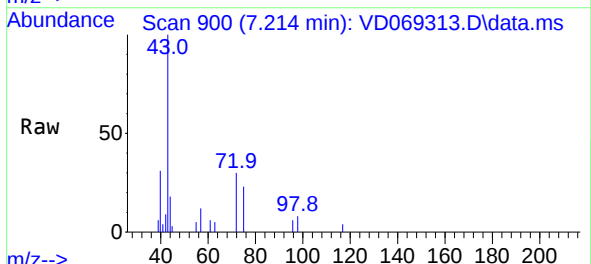
Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

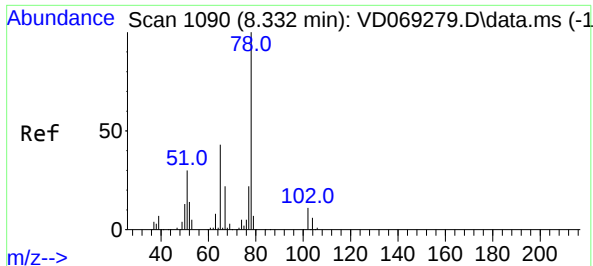
Tgt Ion: 76 Resp: 110867
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0



#25
2-Butanone
Concen: 19.730 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Tgt Ion: 43 Resp: 12723
Ion Ratio Lower Upper
43 100
72 30.4 23.9 35.9



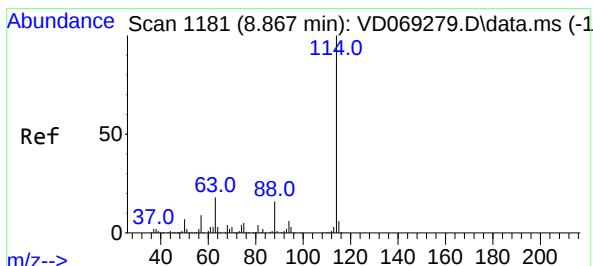
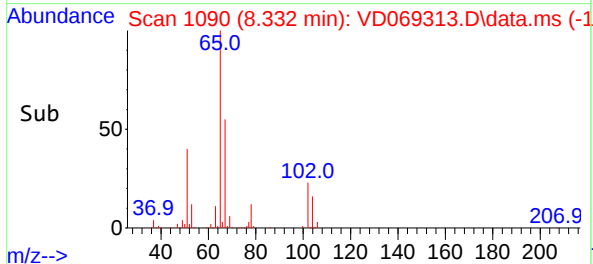
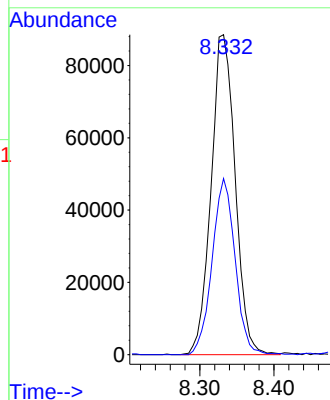
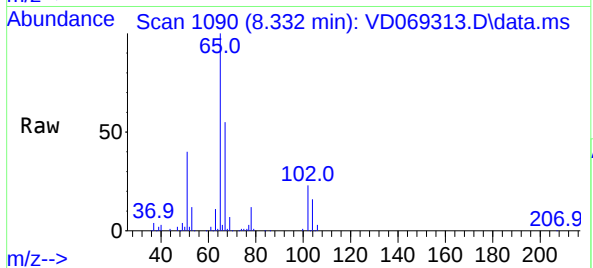


#33

1,2-Dichloroethane-d4
Concen: 71.156 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

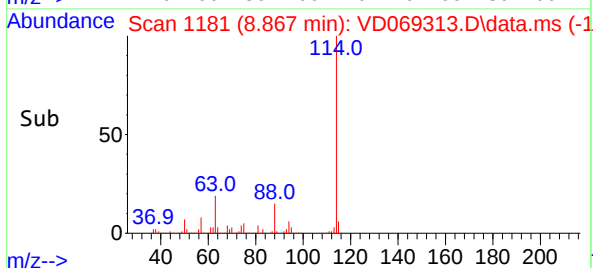
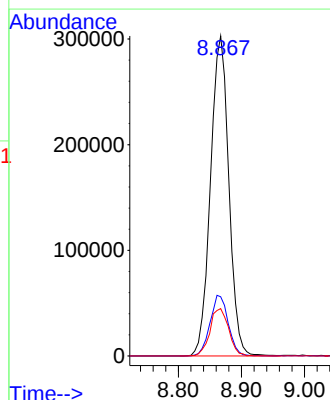
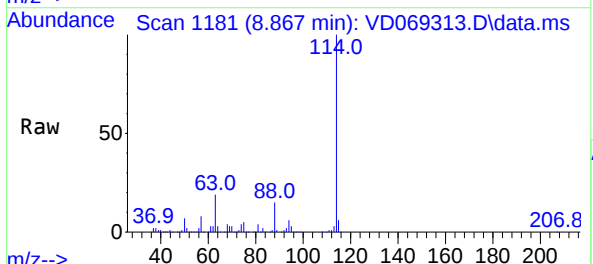
Tgt Ion: 65 Resp: 199827
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8

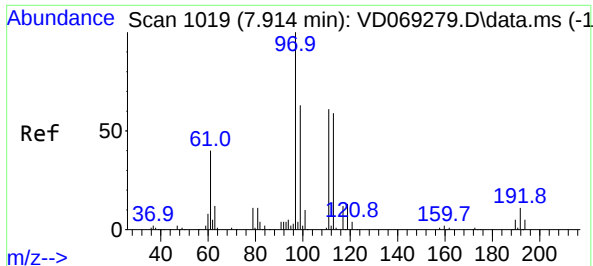


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Tgt Ion: 114 Resp: 610106
Ion Ratio Lower Upper
114 100
63 18.5 0.0 35.6
88 14.8 0.0 31.2



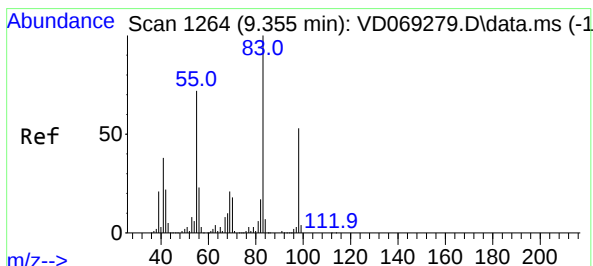
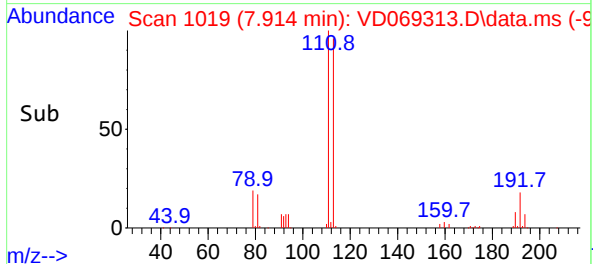
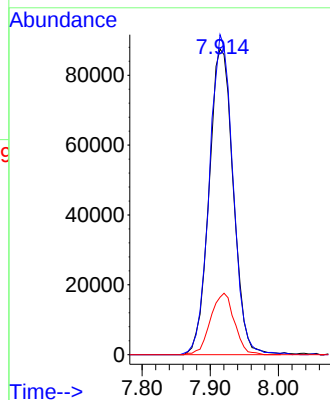
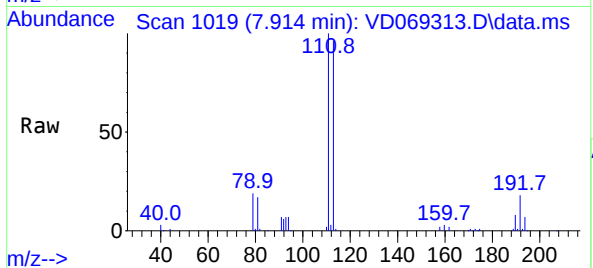


#35

Dibromofluoromethane
Concen: 56.375 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

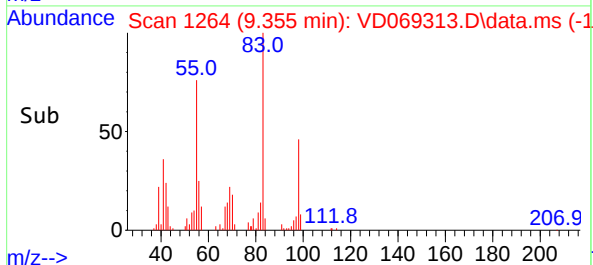
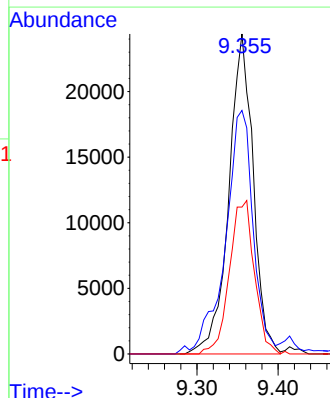
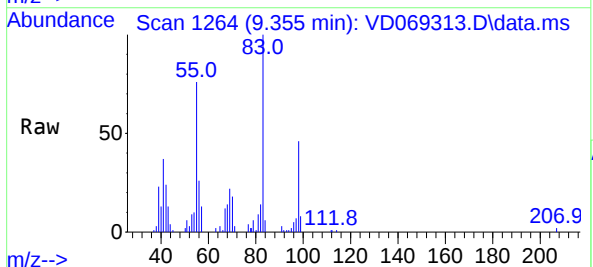
Tgt Ion:113 Resp: 215990
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.6
192 19.8 15.1 22.7

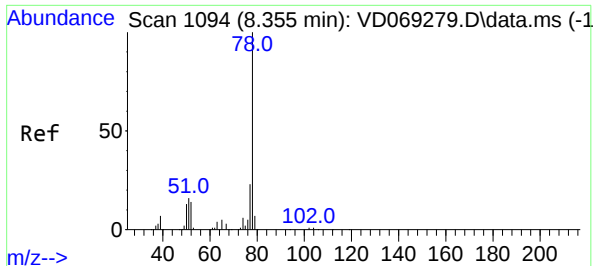


#39

Methylcyclohexane
Concen: 8.376 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Tgt Ion: 83 Resp: 50814
Ion Ratio Lower Upper
83 100
55 75.0 57.4 86.2
98 45.9 42.2 63.2

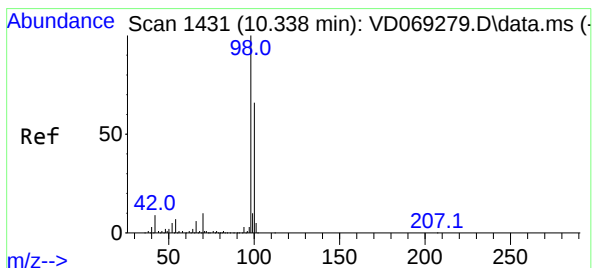
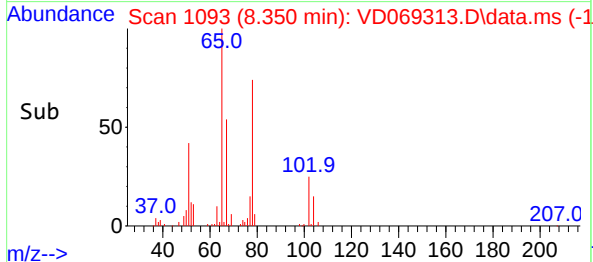
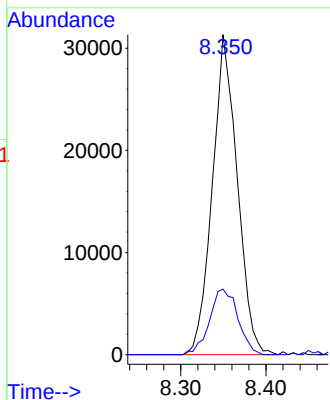
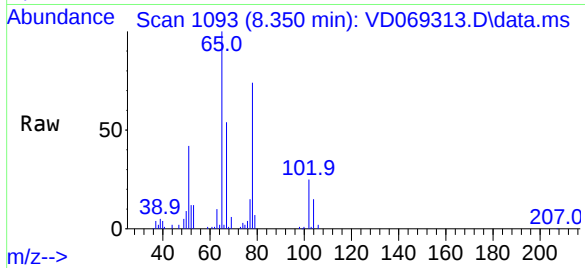




#40
Benzene
Concen: 3.685 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

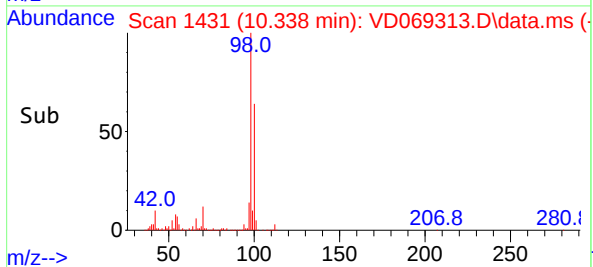
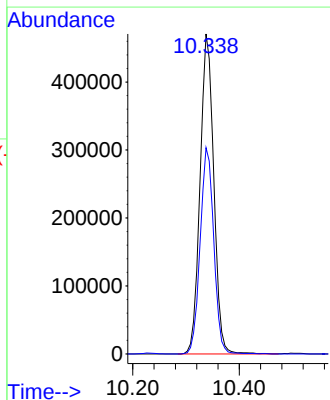
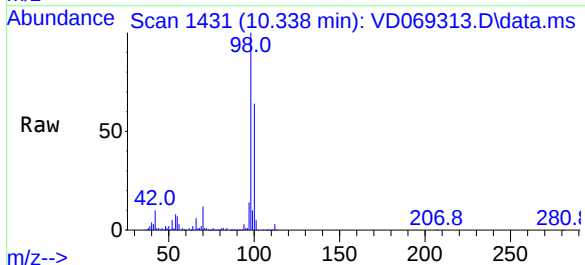
Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

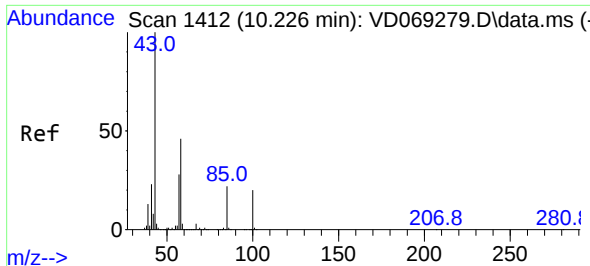
Tgt Ion: 78 Resp: 63476
Ion Ratio Lower Upper
78 100
77 20.5 18.7 28.1



#50
Toluene-d8
Concen: 60.247 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Tgt Ion: 98 Resp: 839364
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1

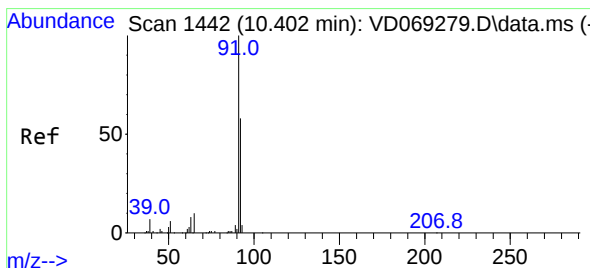
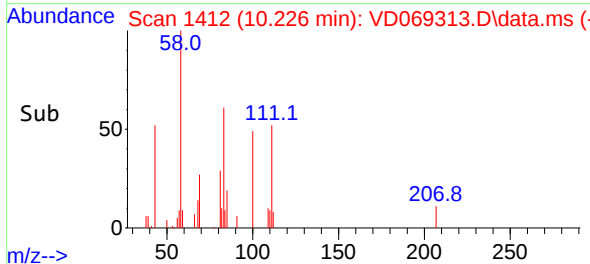
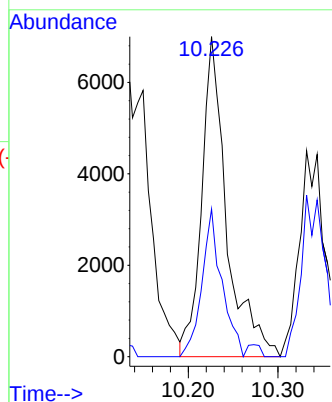
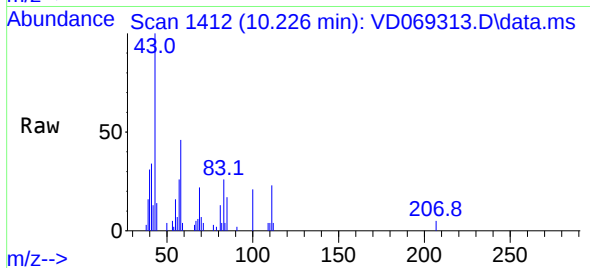




#51
4-Methyl-2-Pentanone
Concen: 7.155 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

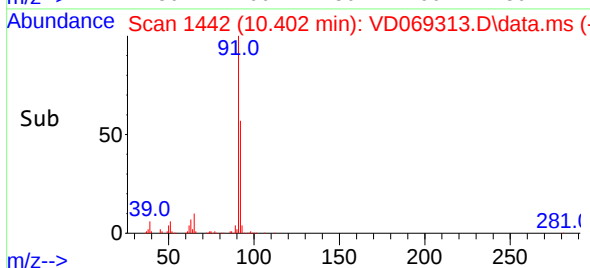
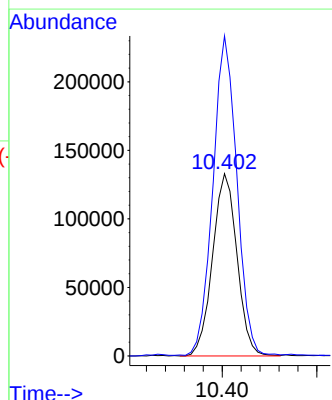
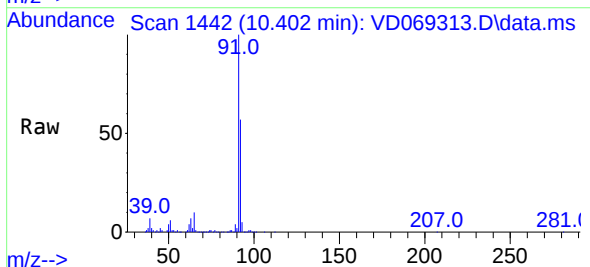
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18-B5(0-2)

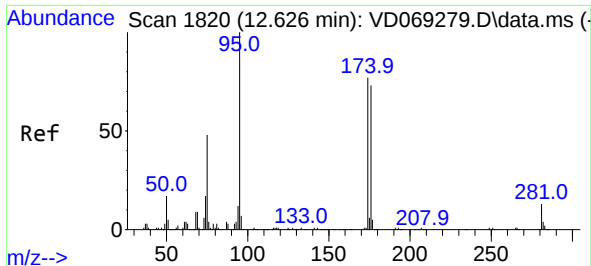
Tgt Ion: 43 Resp: 13543
Ion Ratio Lower Upper
43 100
58 36.8 35.1 52.7



#52
Toluene
Concen: 21.889 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Tgt Ion: 92 Resp: 237961
Ion Ratio Lower Upper
92 100
91 171.7 138.4 207.6

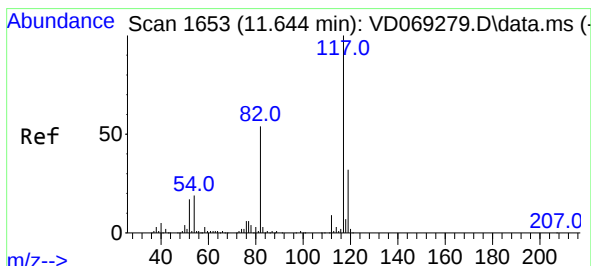
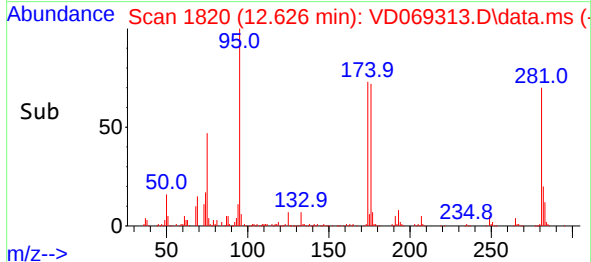
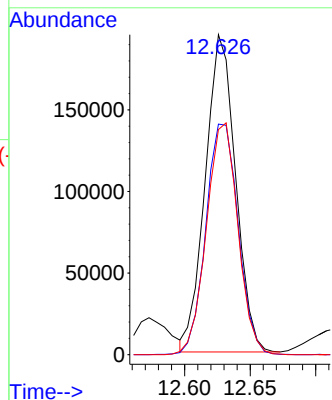
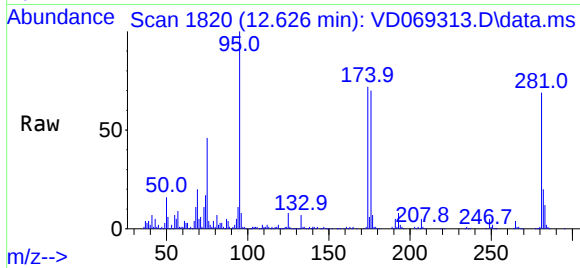




#62
4-Bromofluorobenzene
Concen: 68.379 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

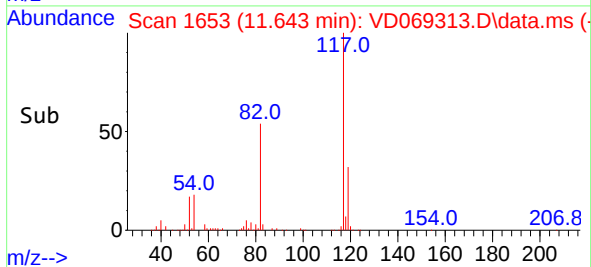
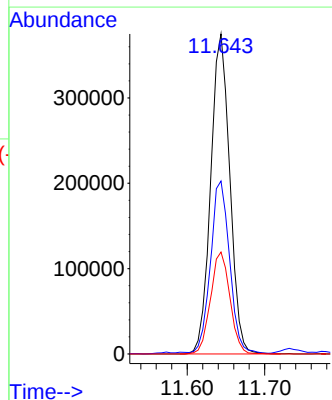
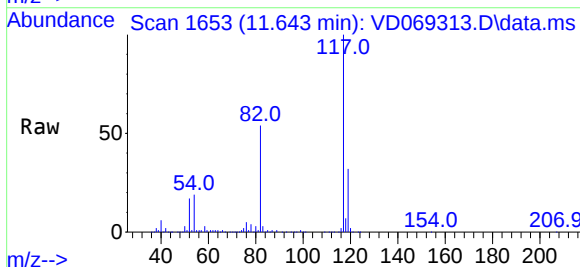
Instrument :
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18-B5(0-2)

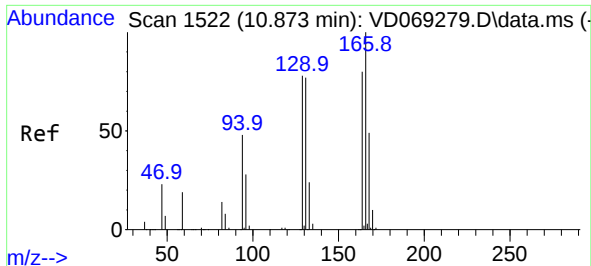
Tgt Ion: 95 Resp: 312161
Ion Ratio Lower Upper
95 100
174 77.9 0.0 162.8
176 75.9 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Tgt Ion: 117 Resp: 641032
Ion Ratio Lower Upper
117 100
82 53.5 43.3 64.9
119 31.9 25.3 37.9

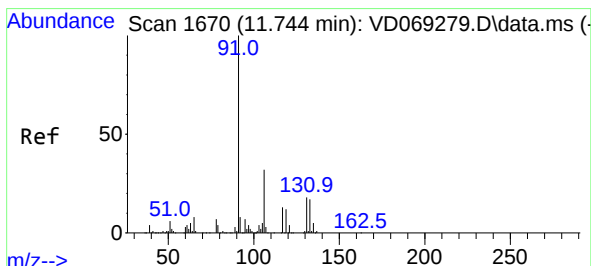
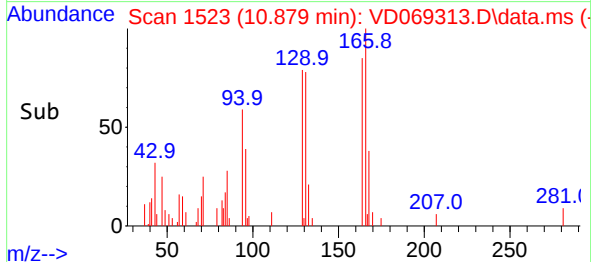
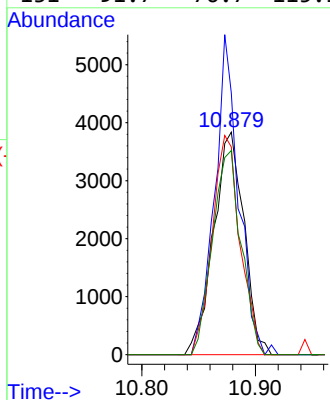
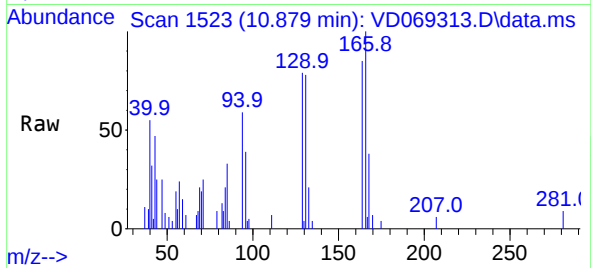




#64
Tetrachloroethene
Concen: 1.597 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. 0.006 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

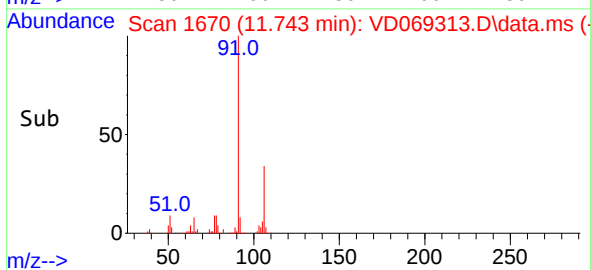
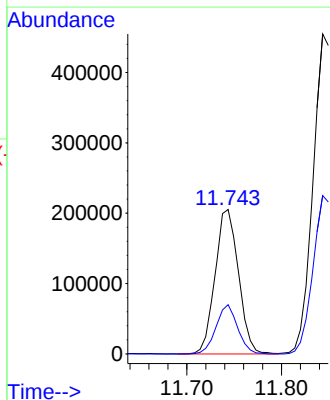
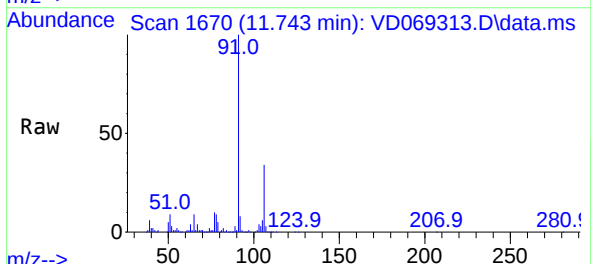
Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

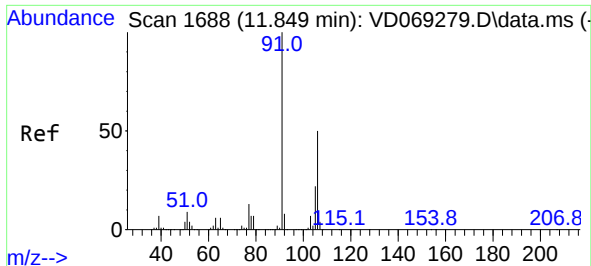
Tgt Ion:	164	Resp:	7126
Ion	Ratio	Lower	Upper
164	100		
166	117.6	100.2	150.4
129	93.3	78.1	117.1
131	91.7	76.7	115.1



#67
Ethyl Benzene
Concen: 15.670 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Tgt Ion:	91	Resp:	352676
Ion	Ratio	Lower	Upper
91	100		
106	34.1	25.9	38.9

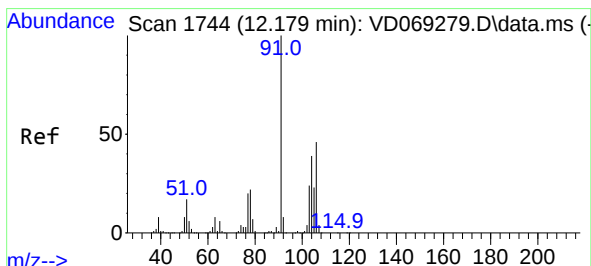
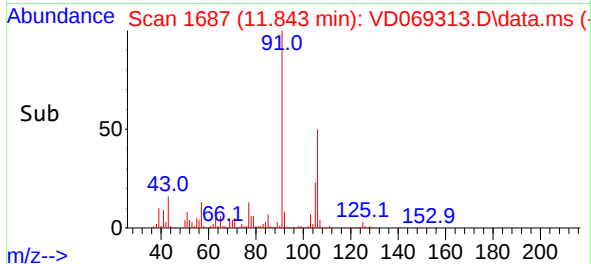
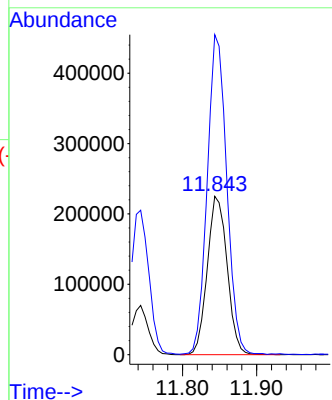
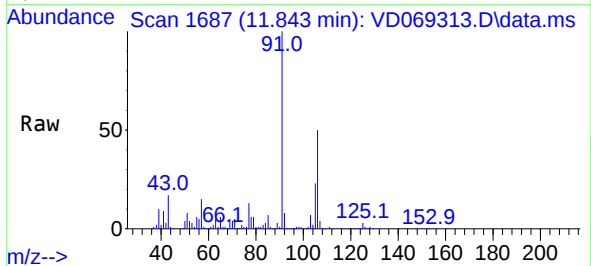




#68
m/p-Xylenes
Concen: 47.446 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

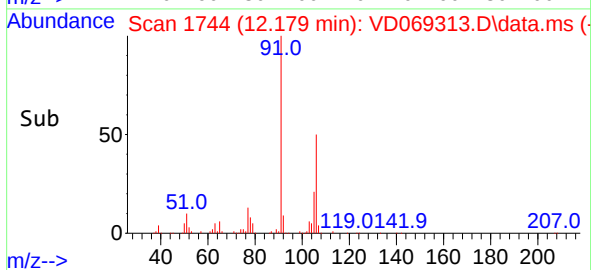
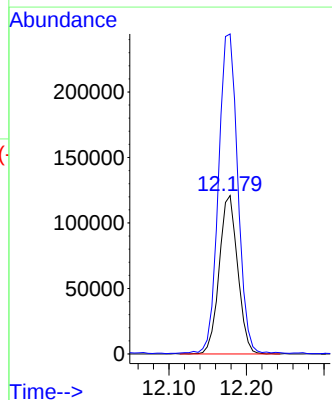
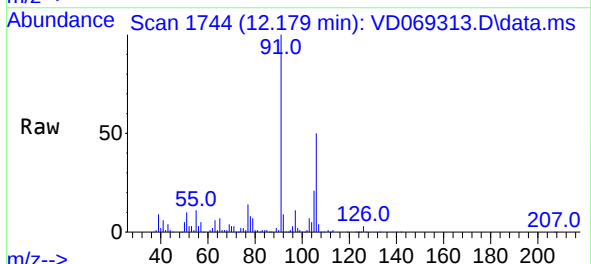
Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

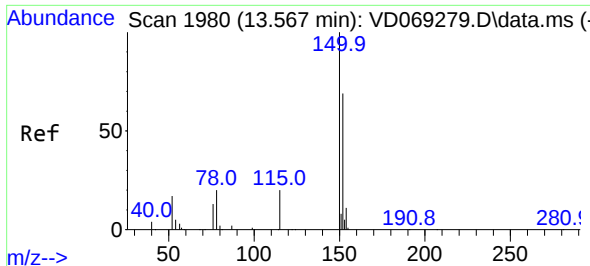
Tgt Ion:106 Resp: 418419
Ion Ratio Lower Upper
106 100
91 198.4 158.3 237.5



#69
o-Xylene
Concen: 25.641 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Tgt Ion:106 Resp: 199992
Ion Ratio Lower Upper
106 100
91 211.3 105.5 316.4

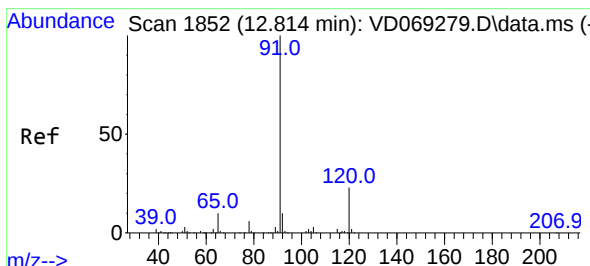
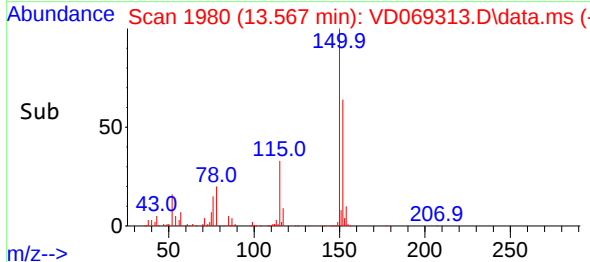
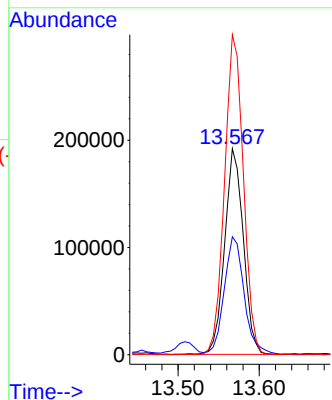
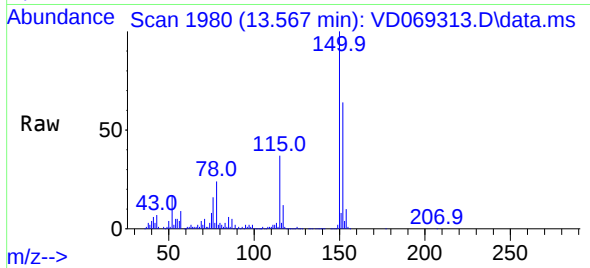




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

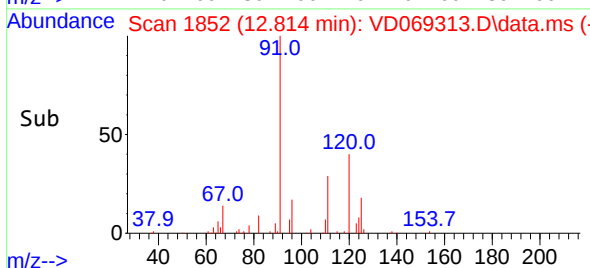
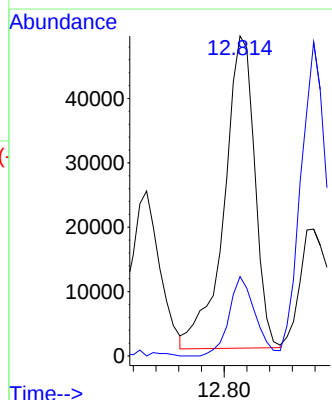
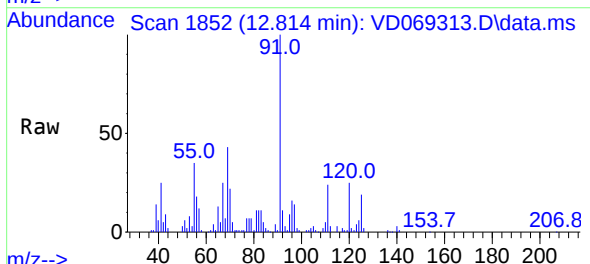
Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

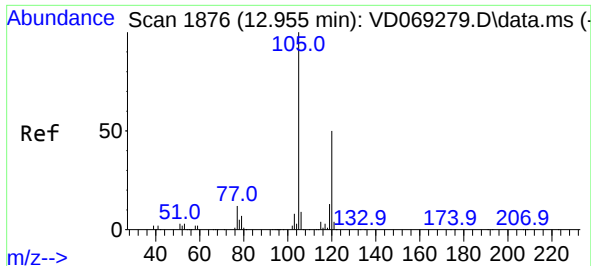
Tgt Ion:152 Resp: 307261
Ion Ratio Lower Upper
152 100
115 60.8 29.4 88.3
150 157.1 0.0 355.0



#78
n-propylbenzene
Concen: 3.505 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Tgt Ion: 91 Resp: 90385
Ion Ratio Lower Upper
91 100
120 21.9 11.6 34.8

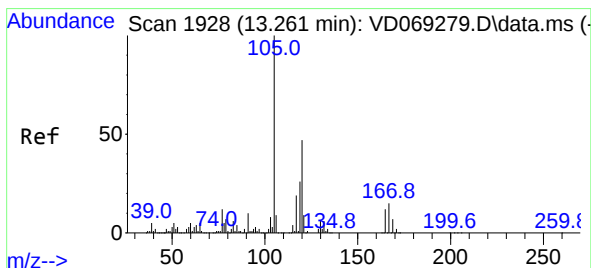
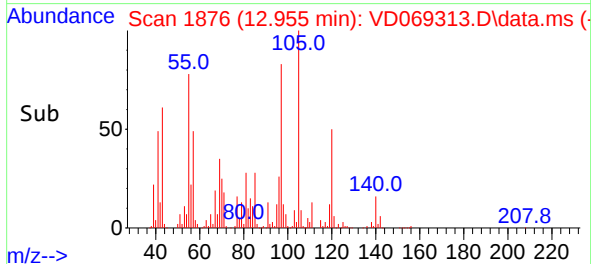
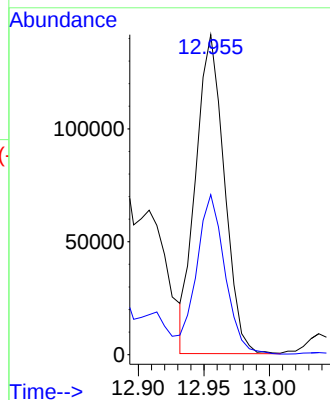
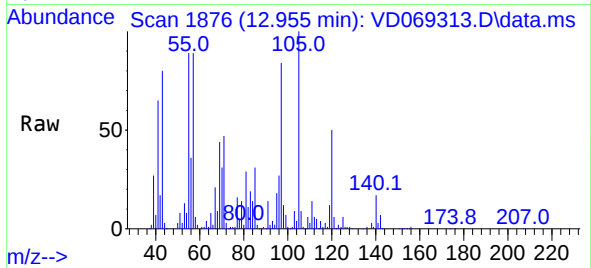




#80
1,3,5-Trimethylbenzene
Concen: 11.989 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

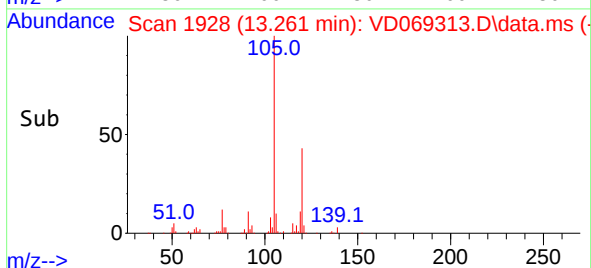
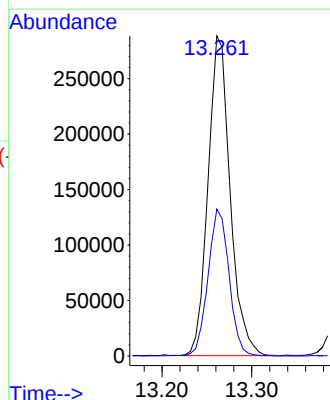
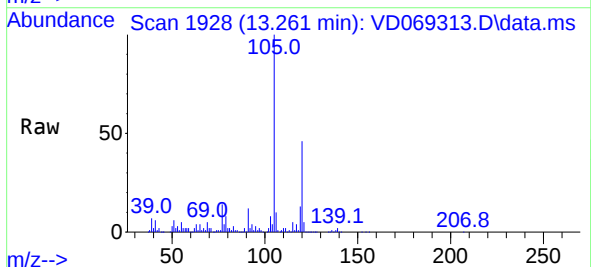
Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

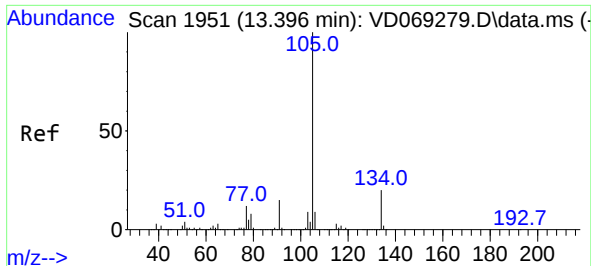
Tgt Ion:105 Resp: 213508
Ion Ratio Lower Upper
105 100
120 50.7 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 27.845 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Tgt Ion:105 Resp: 493186
Ion Ratio Lower Upper
105 100
120 43.8 22.6 67.8

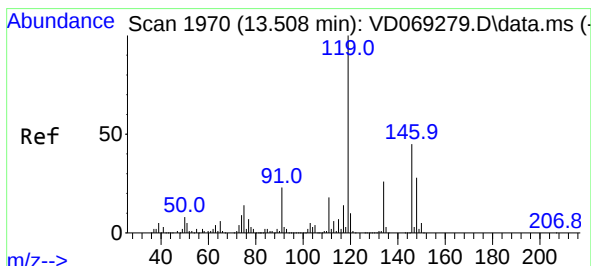
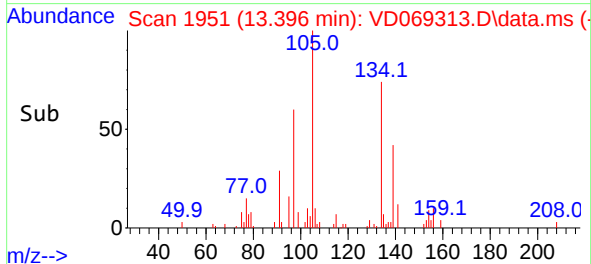
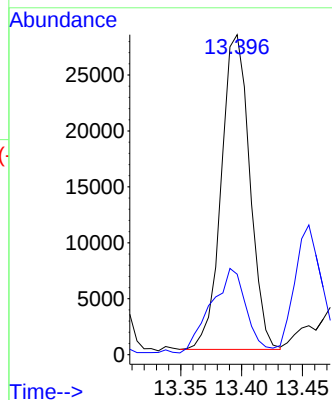
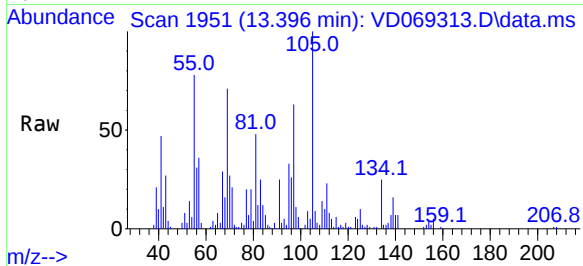




#85
 sec-Butylbenzene
 Concen: 2.081 ug/l
 RT: 13.396 min Scan# 1951
 Delta R.T. -0.000 min
 Lab File: VD069313.D
 Acq: 02 Jun 2021 20:43

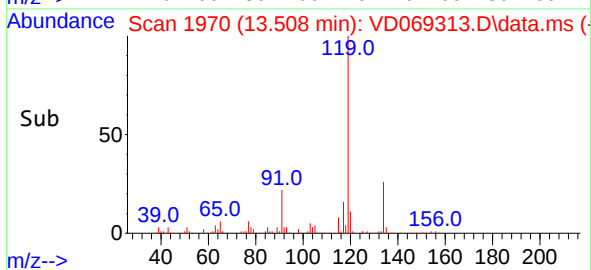
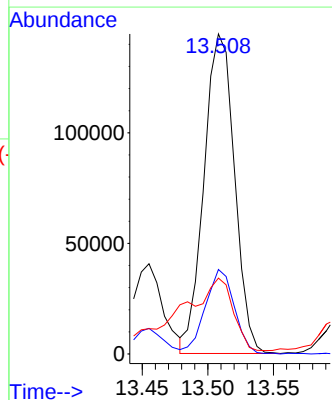
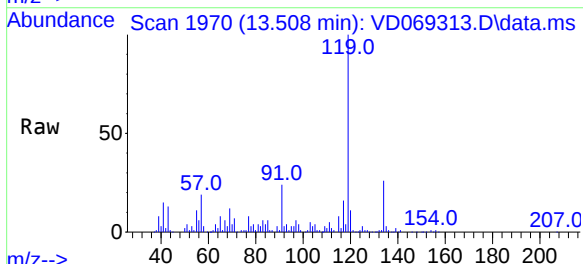
Instrument :
 MSVOA_D
 ClientSampleId :
 18-B5(0-2)

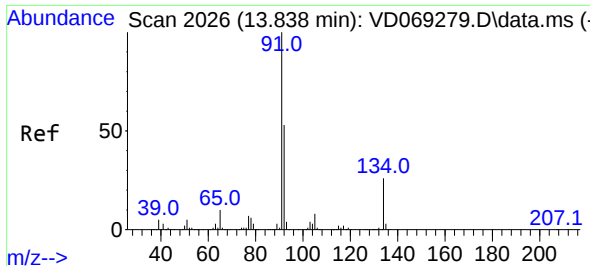
Tgt Ion:105 Resp: 45815
 Ion Ratio Lower Upper
 105 100
 134 34.7 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 12.156 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. -0.000 min
 Lab File: VD069313.D
 Acq: 02 Jun 2021 20:43

Tgt Ion:119 Resp: 233974
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.0 39.0
 91 40.8 11.3 33.8#

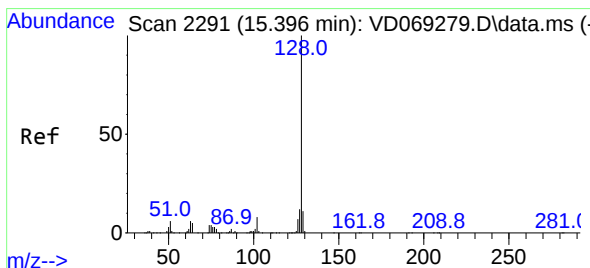
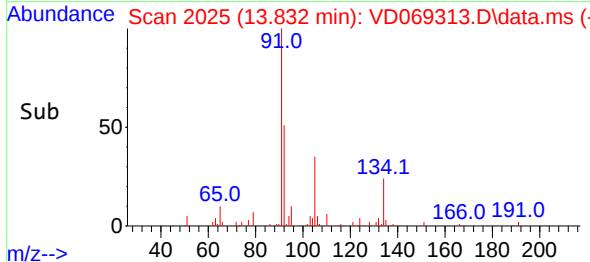
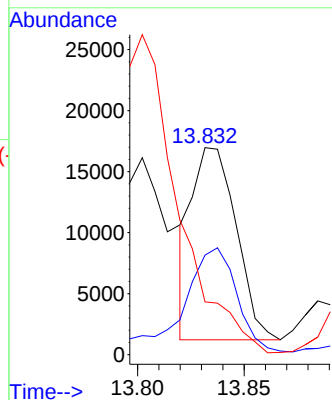
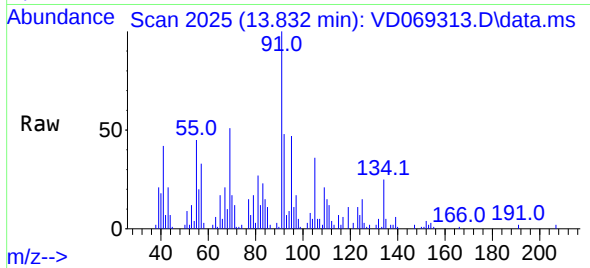




#89
n-Butylbenzene
Concen: 1.259 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. -0.006 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Instrument :
MSVOA_D
ClientSampleId :
18-B5(0-2)

Tgt Ion: 91 Resp: 22673
Ion Ratio Lower Upper
91 100
92 63.3 26.4 79.2
134 0.0 13.0 38.9#



#95
Naphthalene
Concen: 173.657 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069313.D
Acq: 02 Jun 2021 20:43

Tgt Ion:128 Resp: 1912528
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.9 8.8 13.2

