

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
 Data File : VD070778.D
 Acq On : 20 Oct 2021 16:20
 Operator : VA/SY
 Sample : M4284-03
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 30852

Quant Time: Oct 21 05:39:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

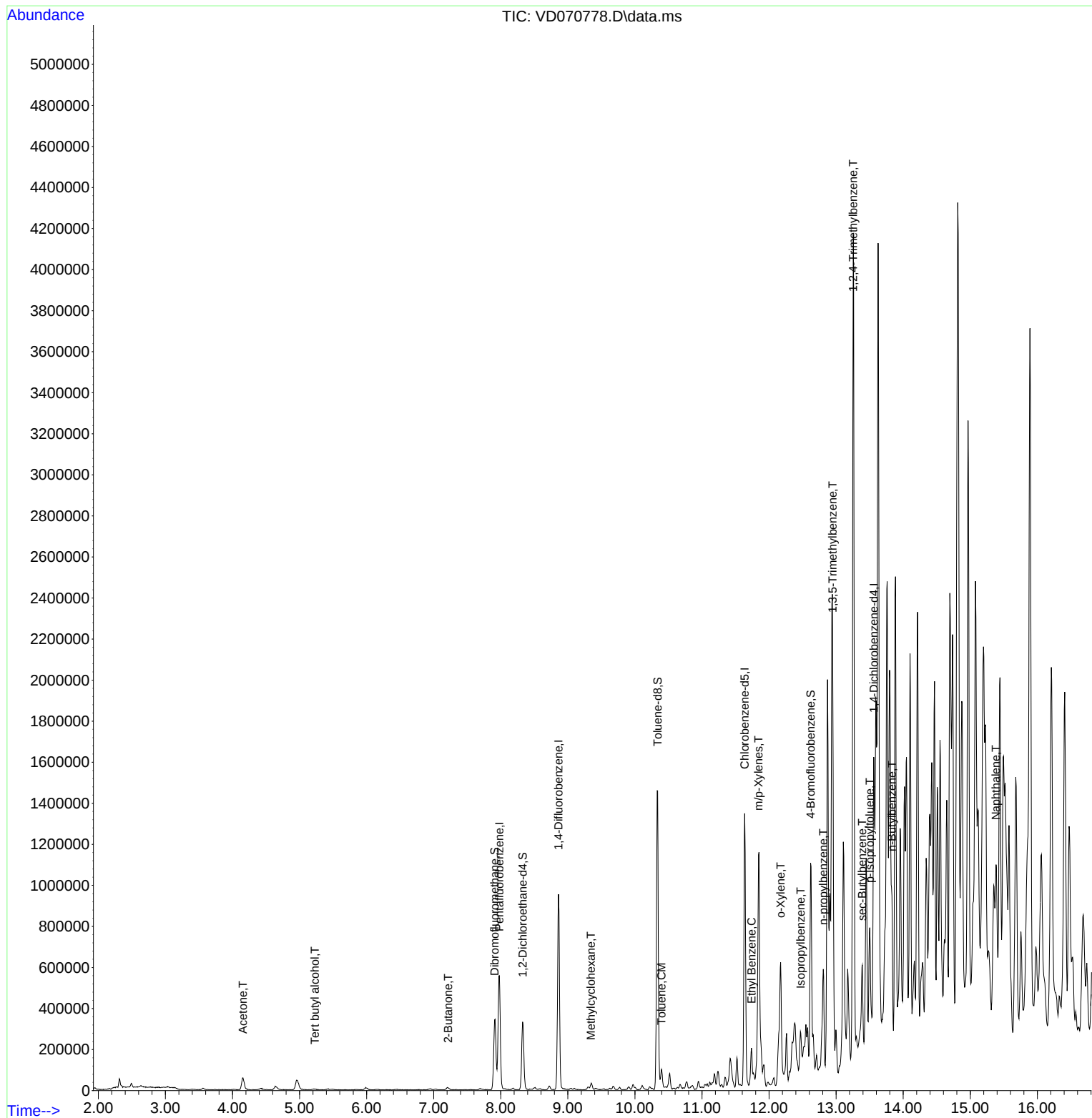
Internal Standards						
1) Pentafluorobenzene	7.979	168	393604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	759912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	746863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	312311	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	263493	56.52	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.04%			
35) Dibromofluoromethane	7.908	113	249529	51.28	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.56%			
50) Toluene-d8	10.338	98	978392	52.45	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.90%			
62) 4-Bromofluorobenzene	12.620	95	363045	56.53	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.06%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.226	59	7419	28.43	ug/l #	94
16) Acetone	4.156	43	101953	90.67	ug/l	93
25) 2-Butanone	7.214	43	16185	11.65	ug/l #	85
39) Methylcyclohexane	9.344	83	9881	1.04	ug/l #	84
52) Toluene	10.397	92	36626	2.52	ug/l	100
67) Ethyl Benzene	11.738	91	114477	4.09	ug/l	97
68) m/p-Xylenes	11.844	106	191079	18.01	ug/l	96
69) o-Xylene	12.173	106	129326	13.44	ug/l	91
73) Isopropylbenzene	12.473	105	104942	4.72	ug/l	100
78) n-propylbenzene	12.808	91	374653	12.95	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	574890	30.56	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	2207177	118.01	ug/l	100
85) sec-Butylbenzene	13.390	105	237188	9.71	ug/l	87
86) p-Isopropyltoluene	13.502	119	245261	12.49	ug/l	99
89) n-Butylbenzene	13.832	91	373512	18.84	ug/l #	82
95) Naphthalene	15.384	128	284799	30.26	ug/l #	93

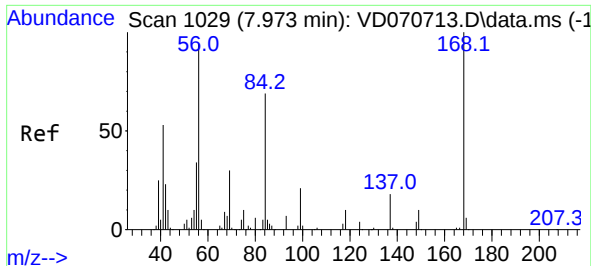
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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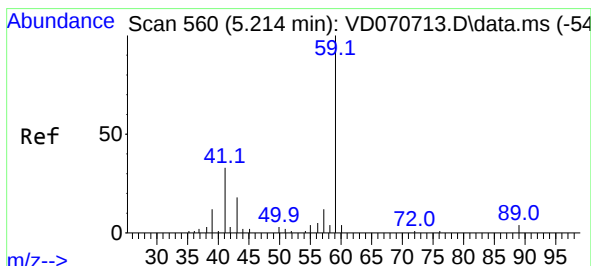
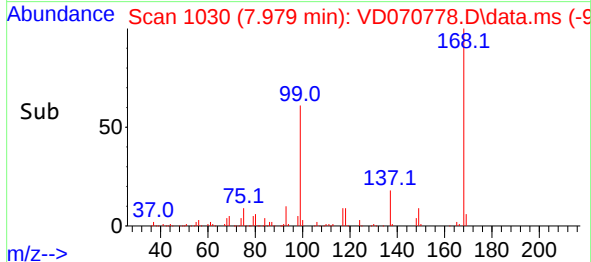
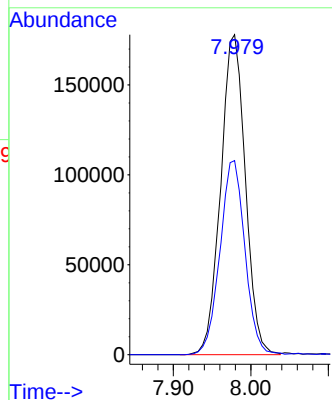
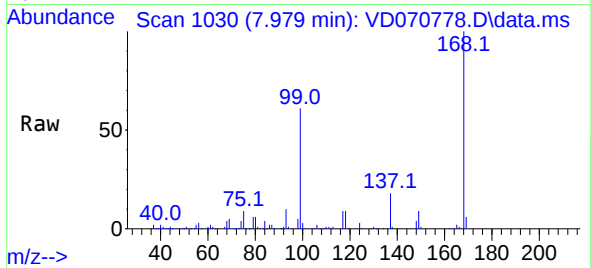




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

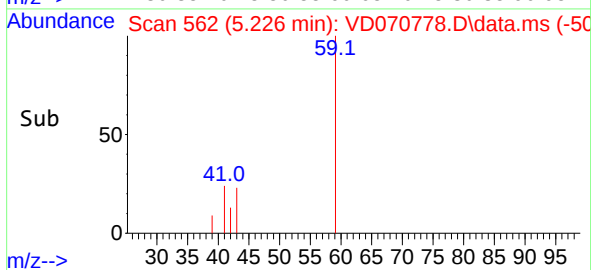
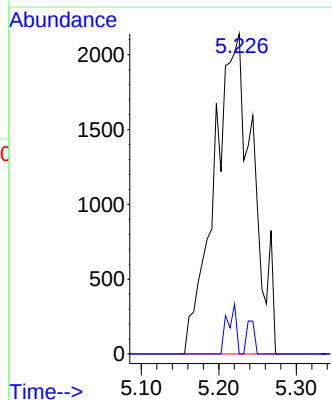
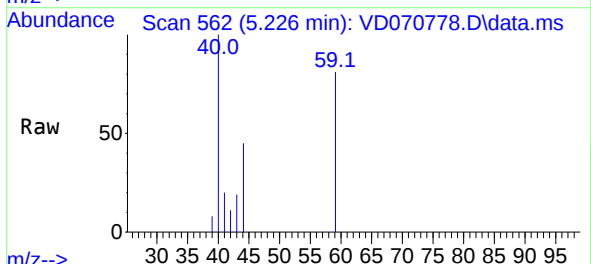
Instrument :
MSVOA_D
ClientSampled :
30852

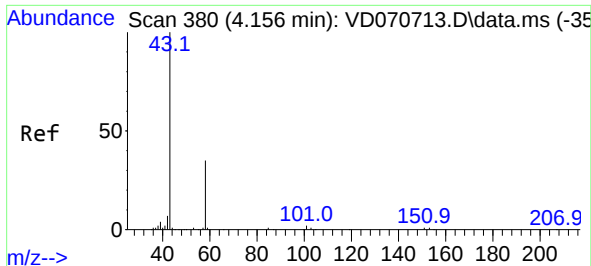
Tgt Ion:168 Resp: 393604
Ion Ratio Lower Upper
168 100
99 60.6 51.4 77.0



#11
Tert butyl alcohol
Concen: 28.43 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.012 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

Tgt Ion: 59 Resp: 7419
Ion Ratio Lower Upper
59 100
57 3.6 4.5 6.7#

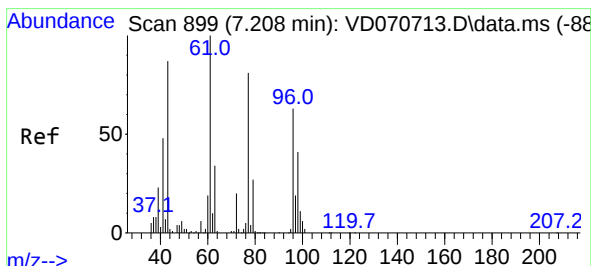
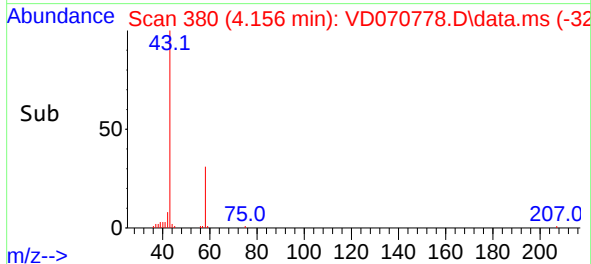
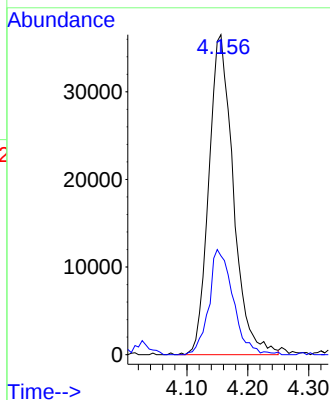
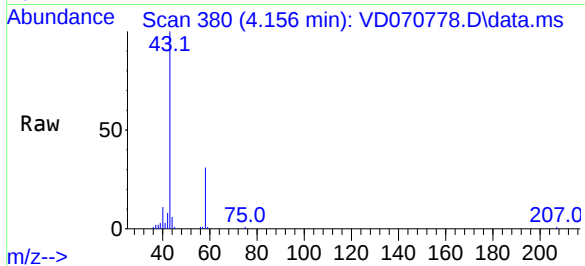




#16
Acetone
Concen: 90.67 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

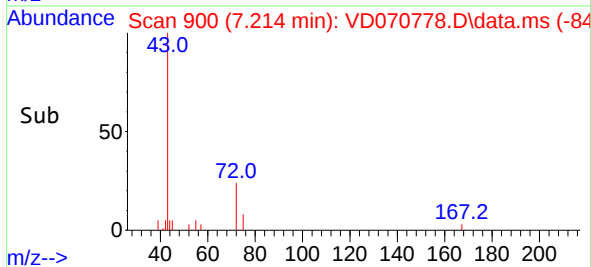
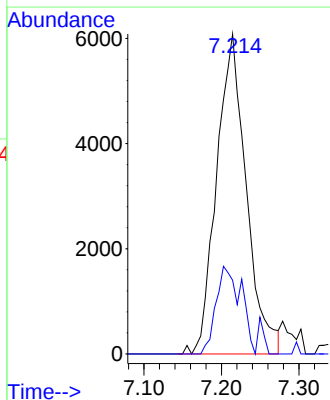
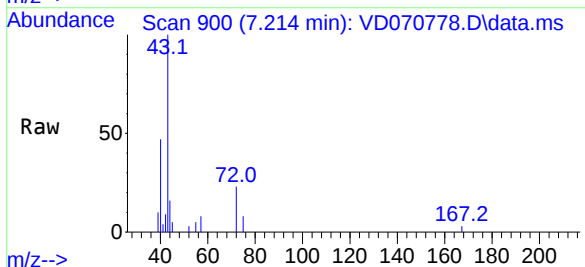
Instrument :
MSVOA_D
ClientSampleId :
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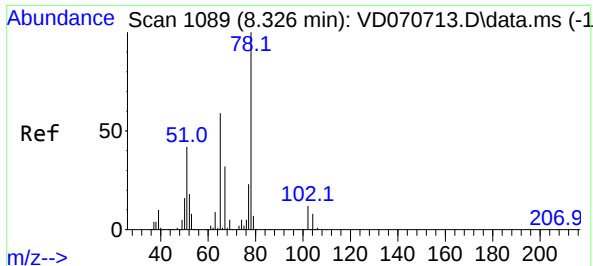
Tgt Ion: 43 Resp: 101953
Ion Ratio Lower Upper
43 100
58 30.9 28.2 42.2



#25
2-Butanone
Concen: 11.65 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

Tgt Ion: 43 Resp: 16185
Ion Ratio Lower Upper
43 100
72 23.0 25.2 37.8#

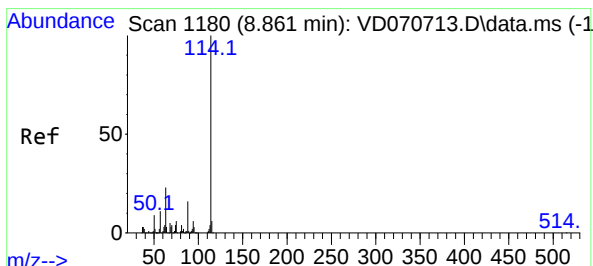
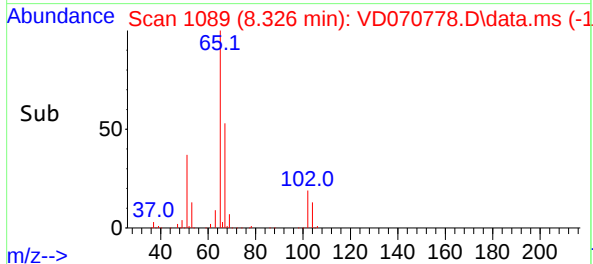
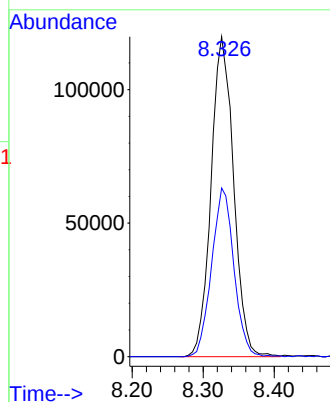
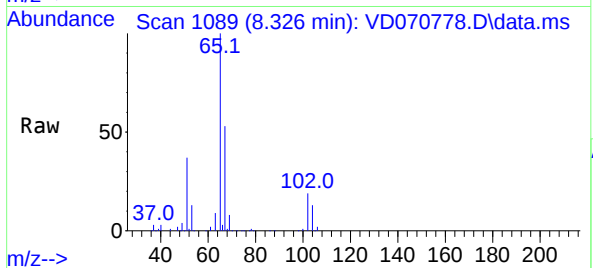




#33
1,2-Dichloroethane-d4
Concen: 56.52 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

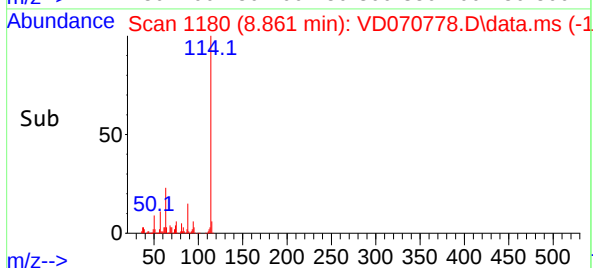
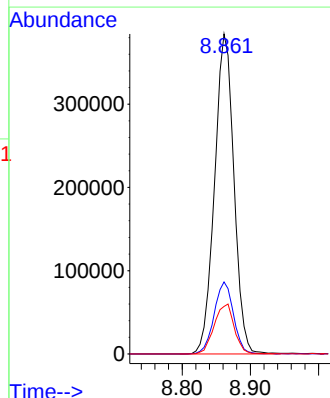
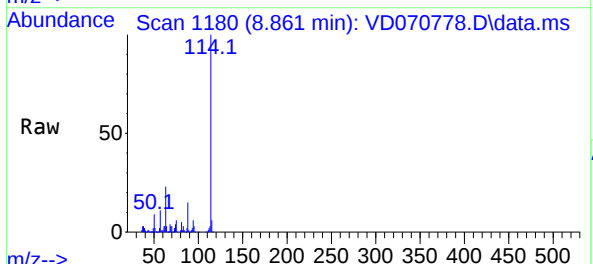
Instrument :
MSVOA_D
ClientSampleId :
30852

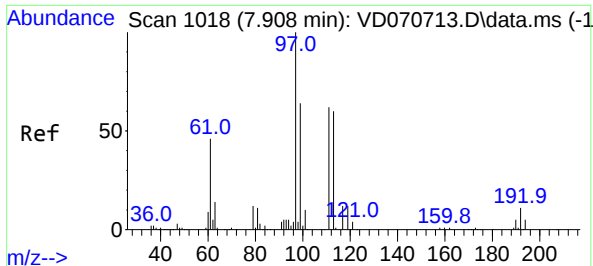
Tgt Ion: 65 Resp: 263493
Ion Ratio Lower Upper
65 100
67 52.2 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

Tgt Ion:114 Resp: 759912
Ion Ratio Lower Upper
114 100
63 22.5 0.0 41.8
88 14.9 0.0 32.6



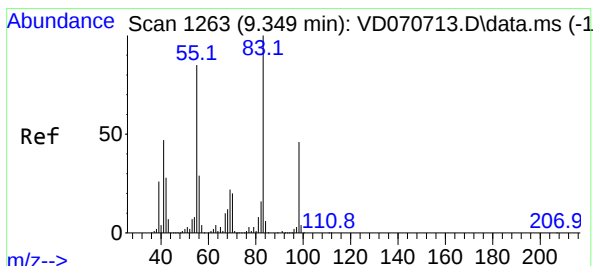
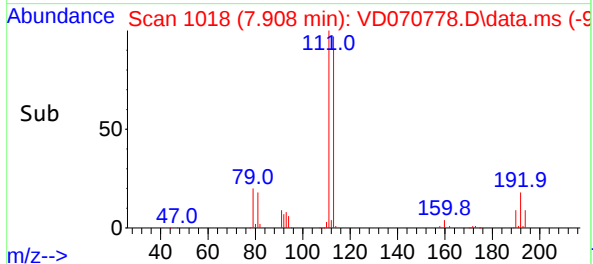
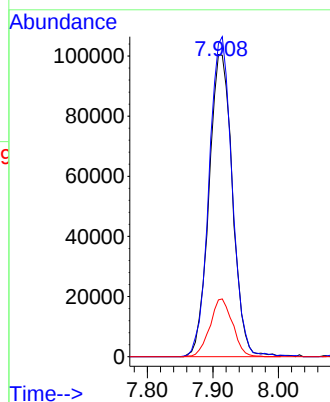
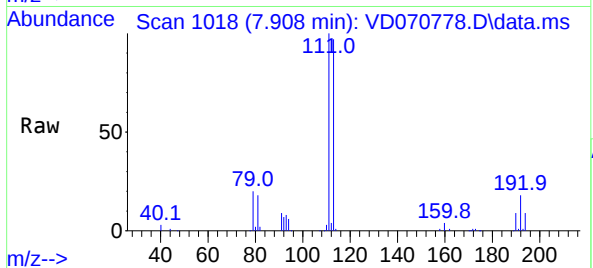


#35
Dibromofluoromethane
Concen: 51.28 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

Instrument :
MSVOA_D
ClientSampled :
30852

Tgt Ion:113 Resp: 249529

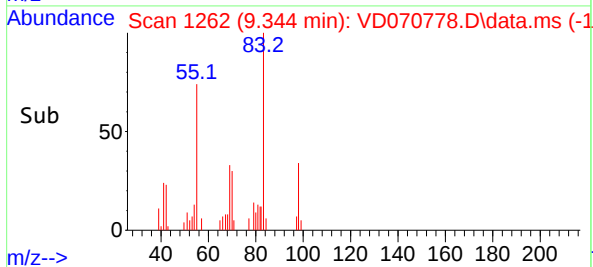
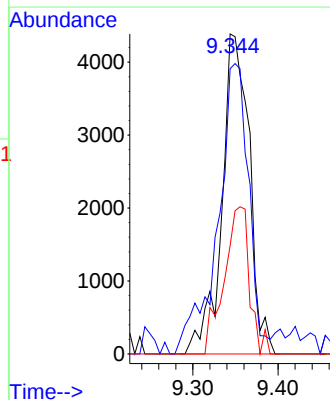
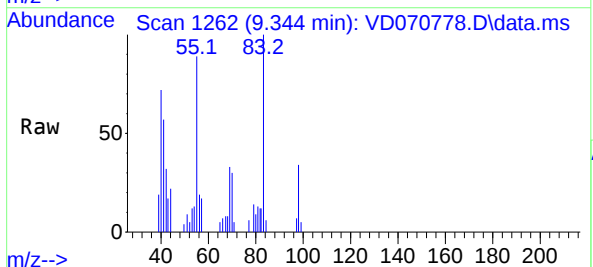
Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.1	124.7
192	18.5	12.7	19.1

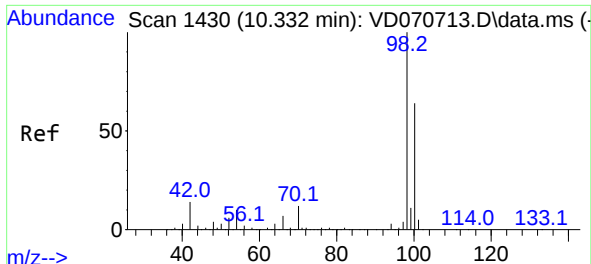


#39
Methylcyclohexane
Concen: 1.04 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.005 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

Tgt Ion: 83 Resp: 9881

Ion	Ratio	Lower	Upper
83	100		
55	84.9	58.2	87.4
98	33.9	36.9	55.3

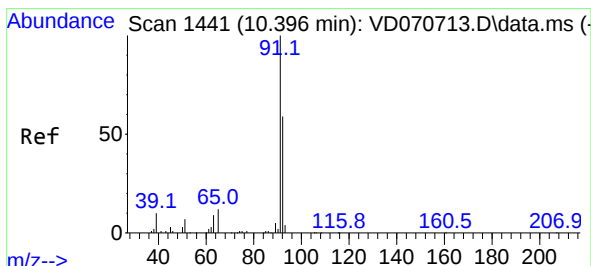
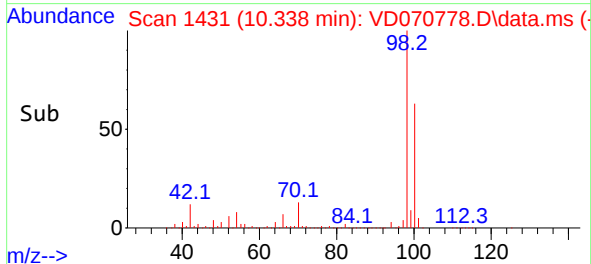
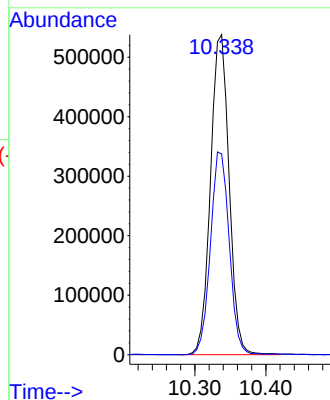
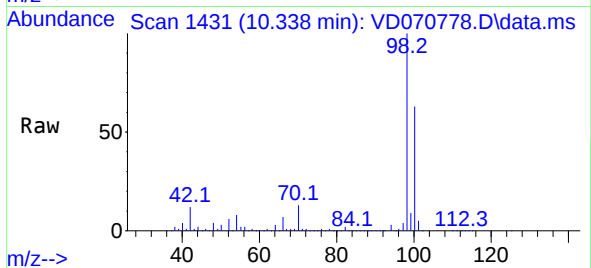




#50
Toluene-d8
Concen: 52.45 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

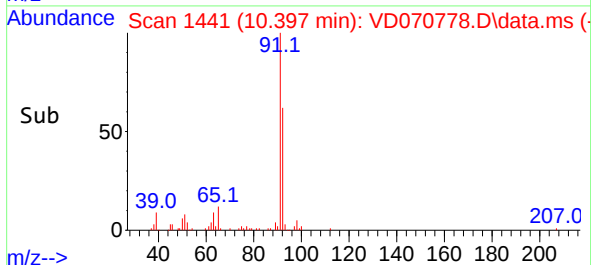
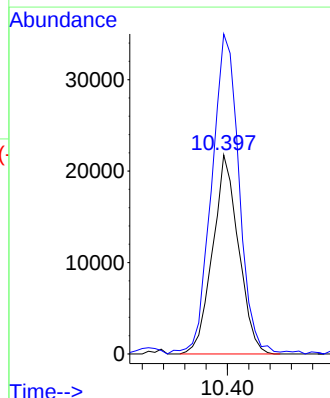
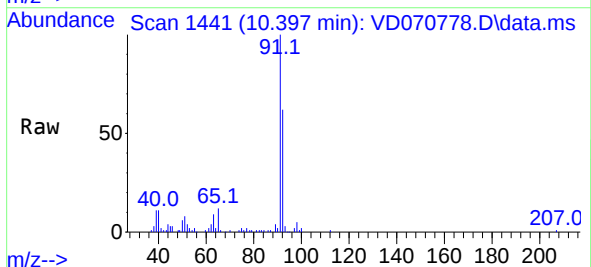
Instrument :
MSVOA_D
ClientSampled :
30852

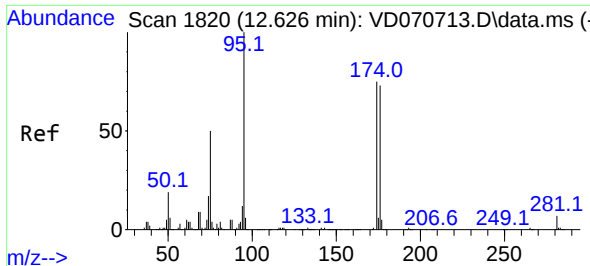
Tgt Ion: 98 Resp: 978392
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.4



#52
Toluene
Concen: 2.52 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

Tgt Ion: 92 Resp: 36626
Ion Ratio Lower Upper
92 100
91 170.3 136.3 204.5

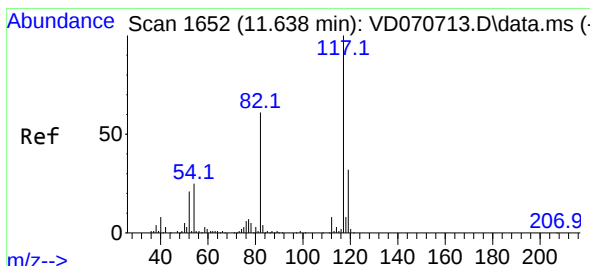
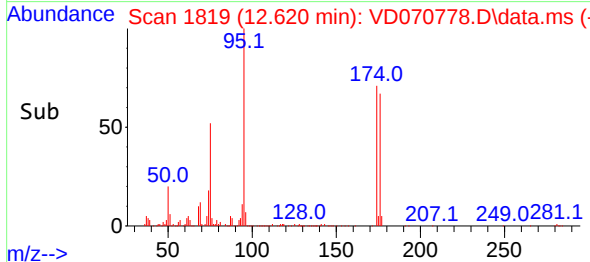
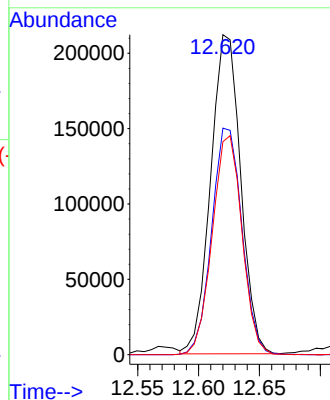
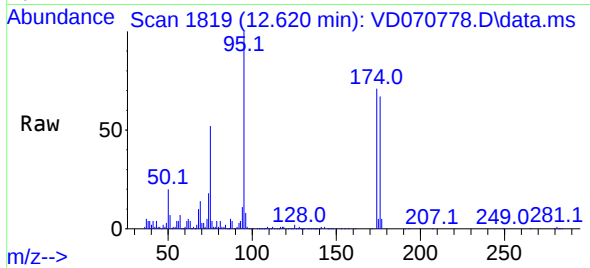




#62
4-Bromofluorobenzene
Concen: 56.53 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

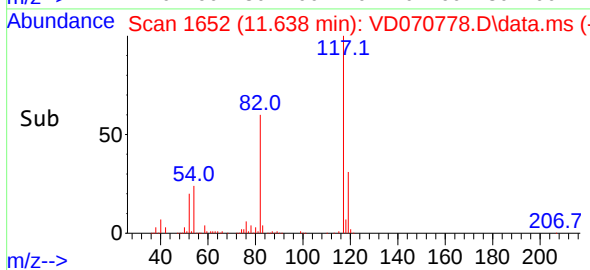
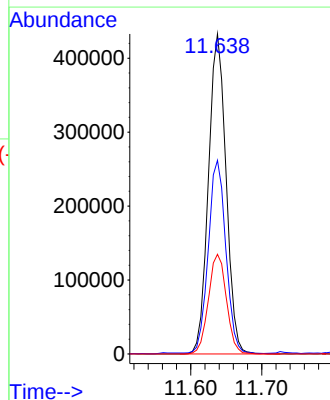
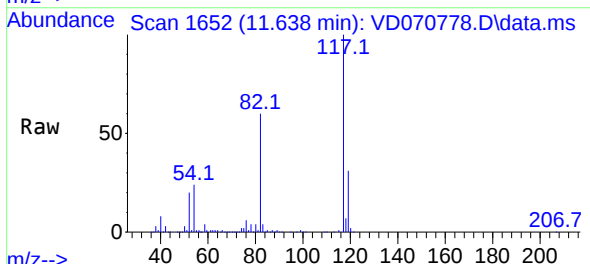
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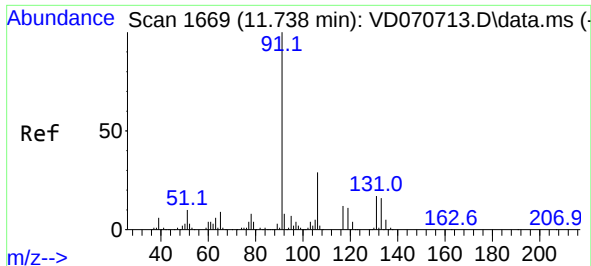
Tgt Ion: 95 Resp: 363045
Ion Ratio Lower Upper
95 100
174 71.6 0.0 138.0
176 68.0 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

Tgt Ion:117 Resp: 746863
Ion Ratio Lower Upper
117 100
82 60.2 45.4 68.2
119 31.1 24.7 37.1

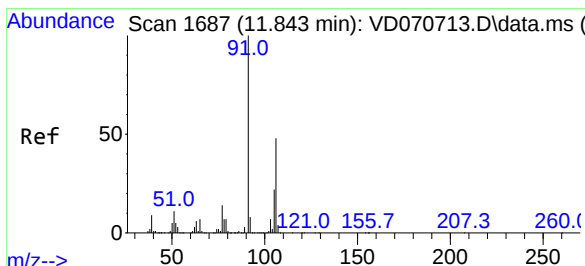
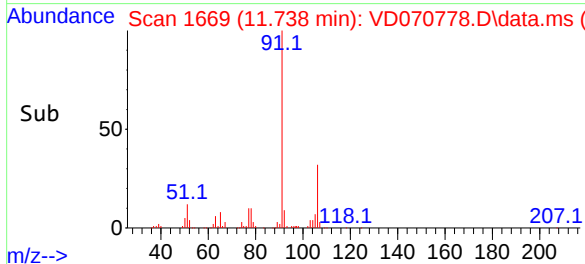
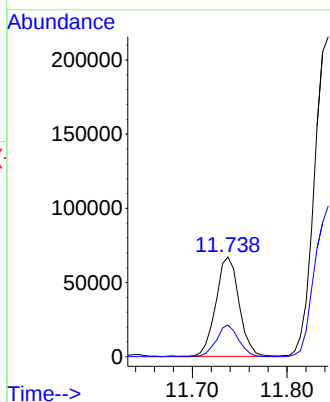
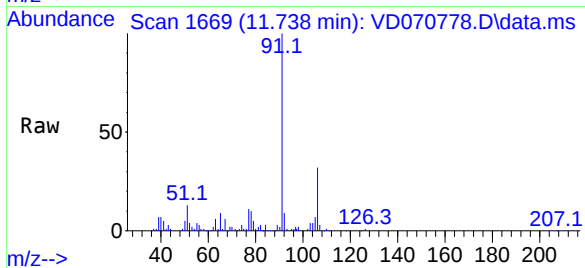




#67
Ethyl Benzene
Concen: 4.09 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

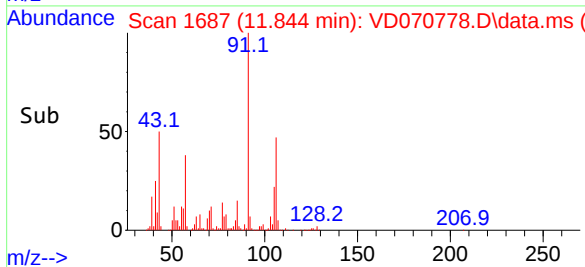
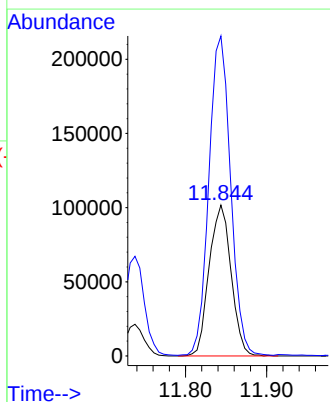
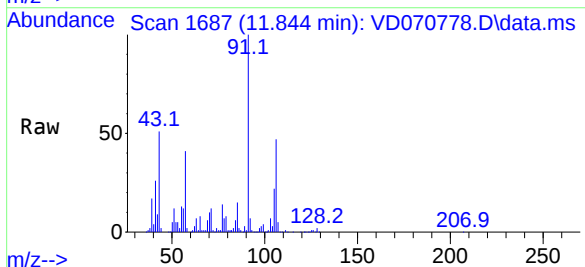
Instrument :
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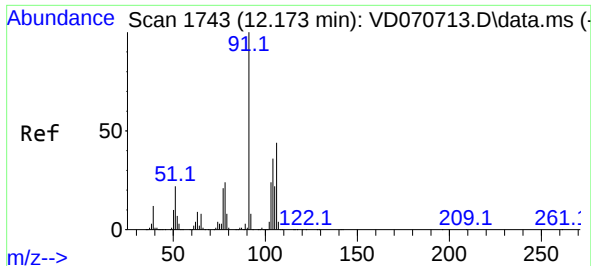
Tgt Ion: 91 Resp: 114477
Ion Ratio Lower Upper
91 100
106 31.8 24.2 36.2



#68
m/p-Xylenes
Concen: 18.01 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

Tgt Ion:106 Resp: 191079
Ion Ratio Lower Upper
106 100
91 209.0 162.7 244.1

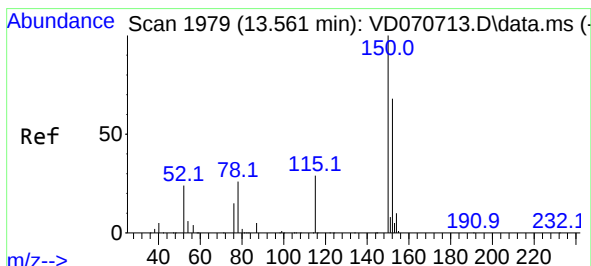
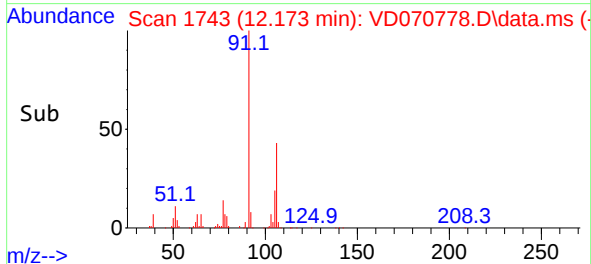
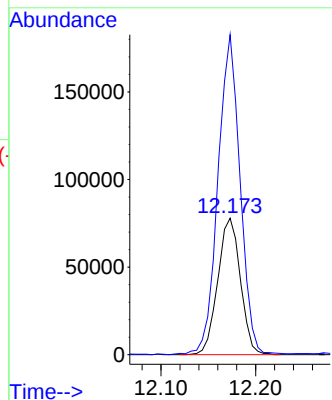
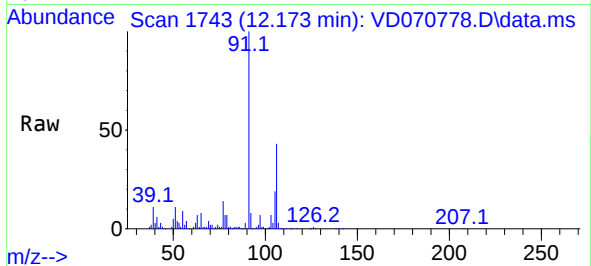




#69
o-Xylene
Concen: 13.44 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

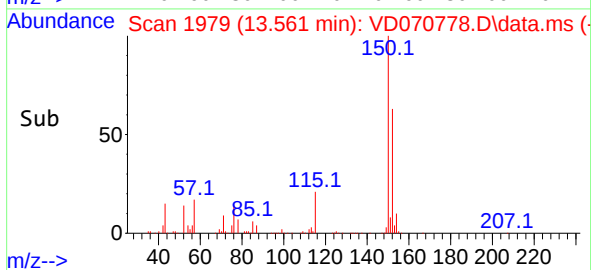
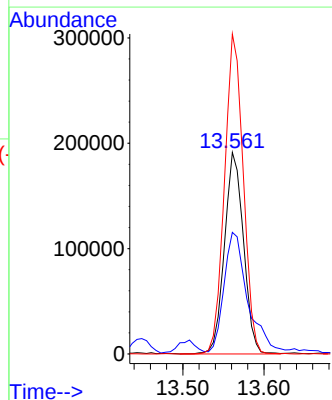
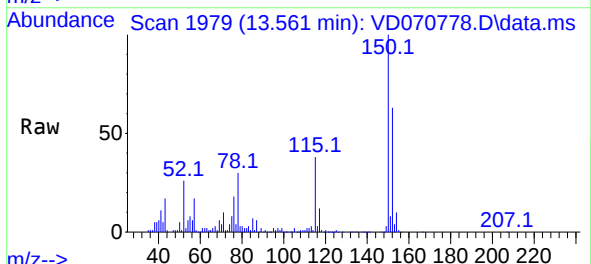
Instrument :
MSVOA_D
ClientSampleId :
30852

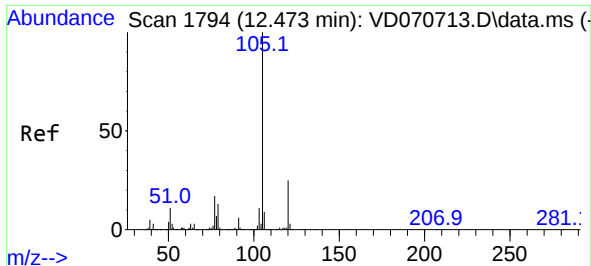
Tgt Ion:106 Resp: 129326
Ion Ratio Lower Upper
106 100
91 230.2 107.8 323.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

Tgt Ion:152 Resp: 312311
Ion Ratio Lower Upper
152 100
115 72.6 31.9 95.7
150 156.3 0.0 350.0

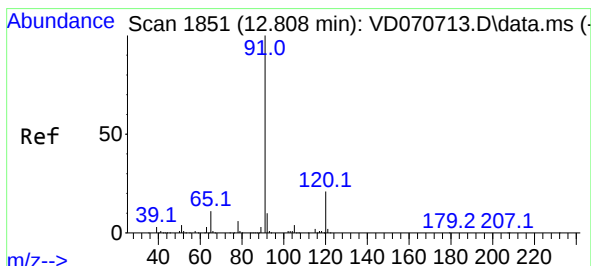
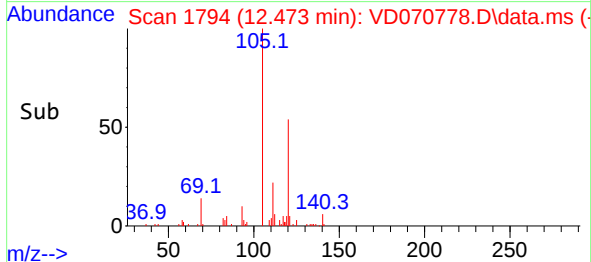
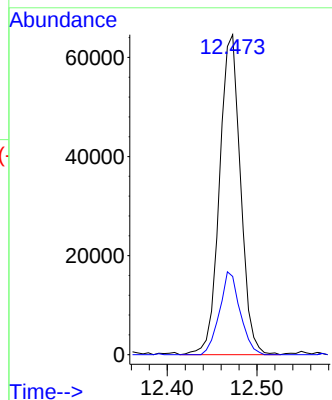
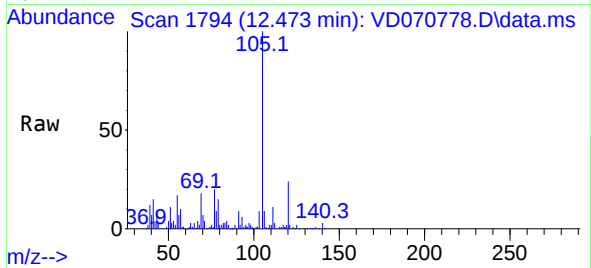




#73
Isopropylbenzene
Concen: 4.72 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

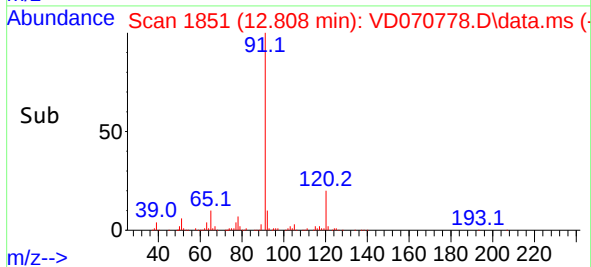
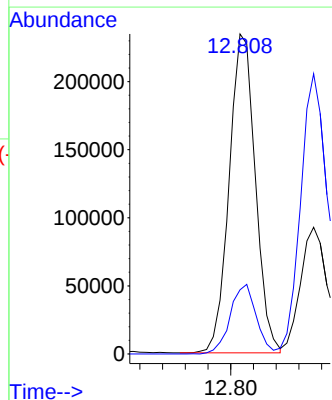
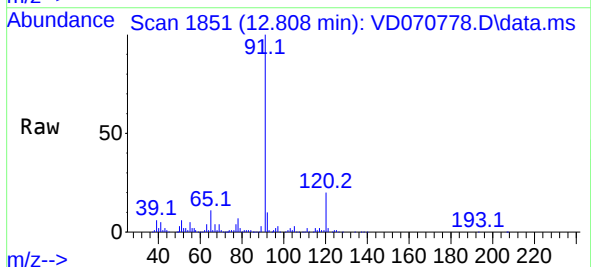
Instrument :
MSVOA_D
ClientSampleId :
30852

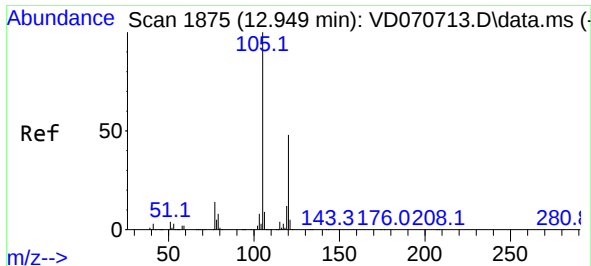
Tgt Ion:105 Resp: 104942
Ion Ratio Lower Upper
105 100
120 25.4 12.8 38.3



#78
n-propylbenzene
Concen: 12.95 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

Tgt Ion: 91 Resp: 374653
Ion Ratio Lower Upper
91 100
120 21.6 10.9 32.6

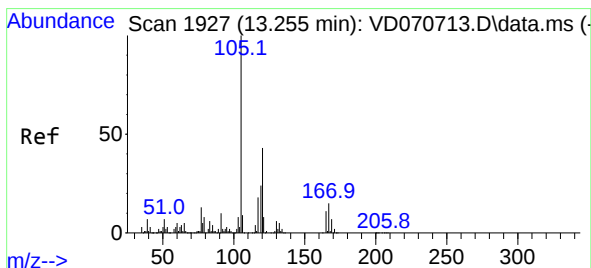
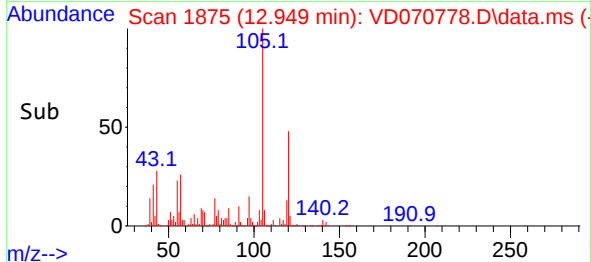
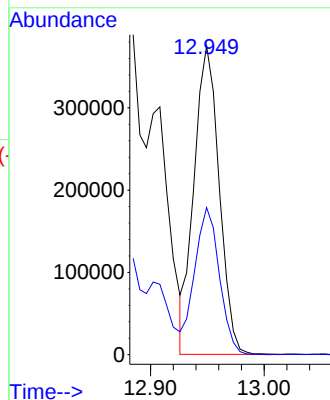
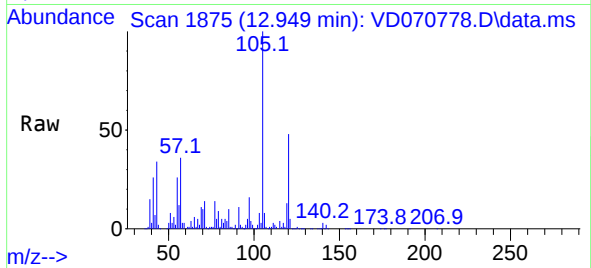




#80
1,3,5-Trimethylbenzene
Concen: 30.56 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

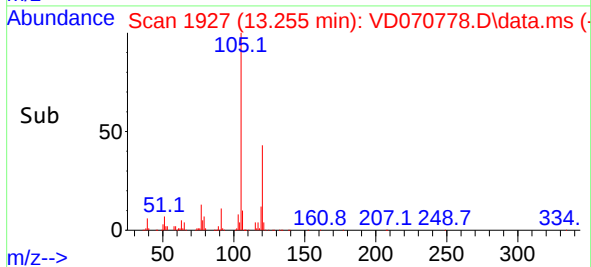
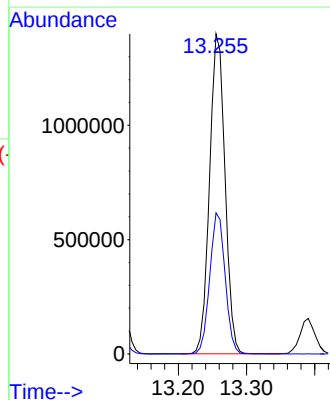
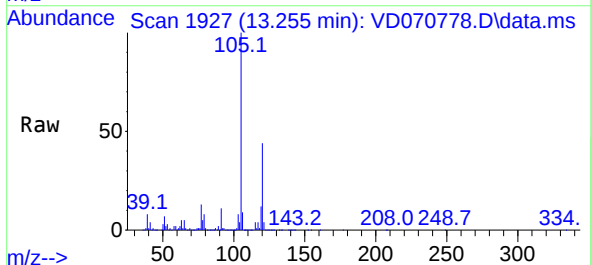
Instrument :
MSVOA_D
ClientSampleId :
30852

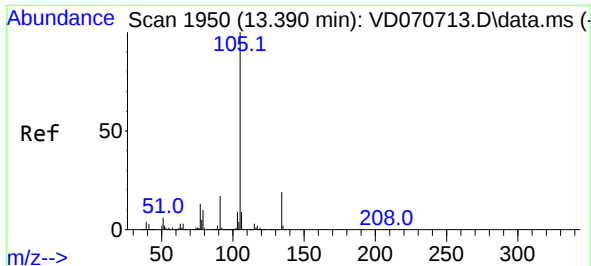
Tgt Ion:105 Resp: 574890
Ion Ratio Lower Upper
105 100
120 47.1 24.4 73.2



#84
1,2,4-Trimethylbenzene
Concen: 118.01 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

Tgt Ion:105 Resp: 2207177
Ion Ratio Lower Upper
105 100
120 43.8 21.9 65.8

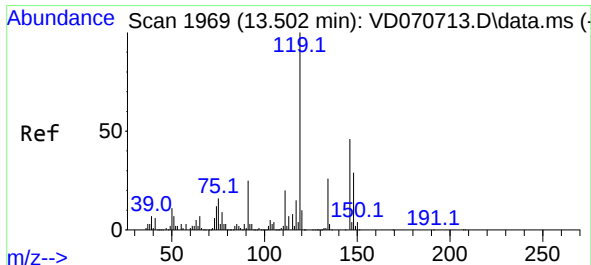
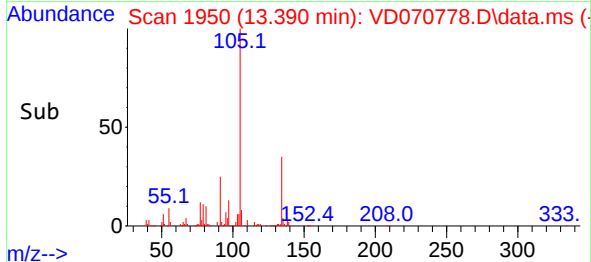
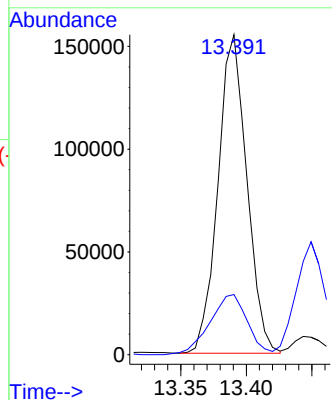
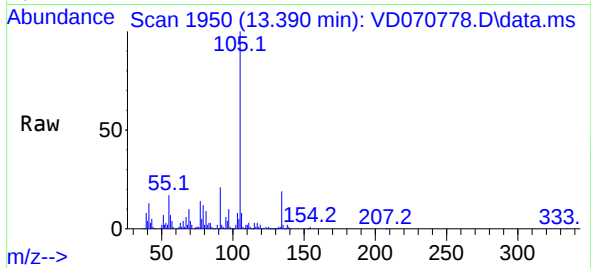




#85
 sec-Butylbenzene
 Concen: 9.71 ug/l
 RT: 13.390 min Scan# 1950
 Delta R.T. 0.000 min
 Lab File: VD070778.D
 Acq: 20 Oct 2021 16:20

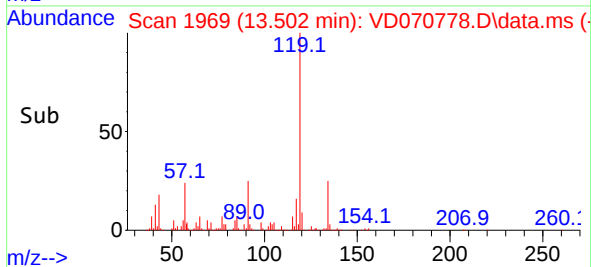
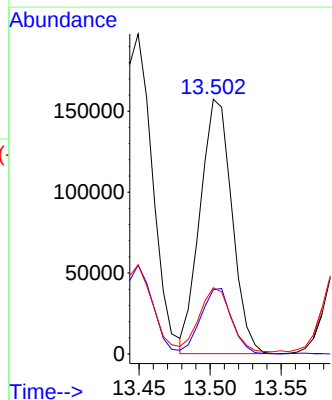
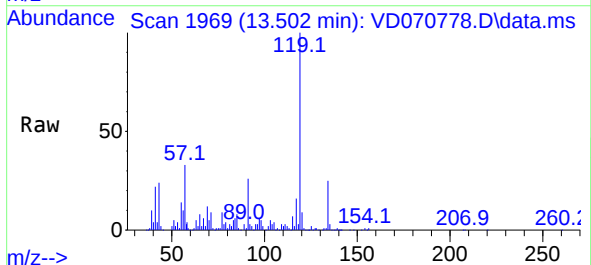
Instrument :
 MSVOA_D
 ClientSampleId :
 30852

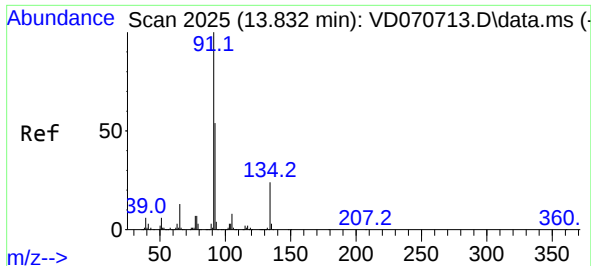
Tgt Ion:105 Resp: 237188
 Ion Ratio Lower Upper
 105 100
 134 24.5 9.3 28.0



#86
 p-Isopropyltoluene
 Concen: 12.49 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD070778.D
 Acq: 20 Oct 2021 16:20

Tgt Ion:119 Resp: 245261
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.5 37.5
 91 24.8 11.9 35.5

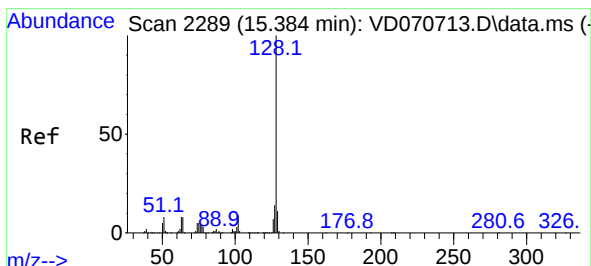
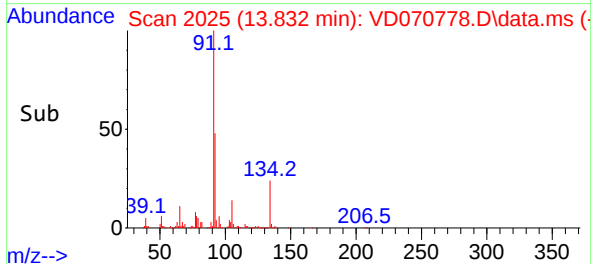
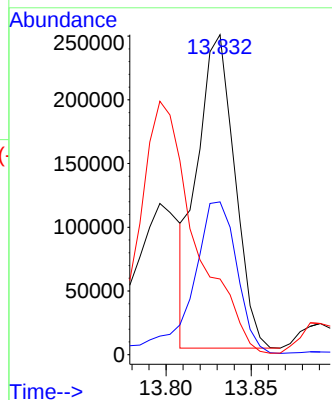
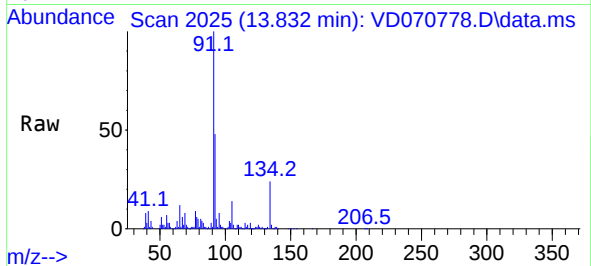




#89
n-Butylbenzene
Concen: 18.84 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

Instrument :
MSVOA_D
ClientSampled :
30852

Tgt Ion: 91 Resp: 373512
Ion Ratio Lower Upper
91 100
92 56.6 26.8 80.4
134 0.0 12.2 36.4#



#95
Naphthalene
Concen: 30.26 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD070778.D
Acq: 20 Oct 2021 16:20

Tgt Ion:128 Resp: 284799
Ion Ratio Lower Upper
128 100
127 14.7 10.9 16.3
129 15.1 8.6 12.8#

