

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061521\
 Data File : VD069451.D
 Acq On : 15 Jun 2021 20:29
 Operator : VA/SY
 Sample : M2710-04
 Misc : 7.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1A

Quant Time: Jun 16 02:03:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

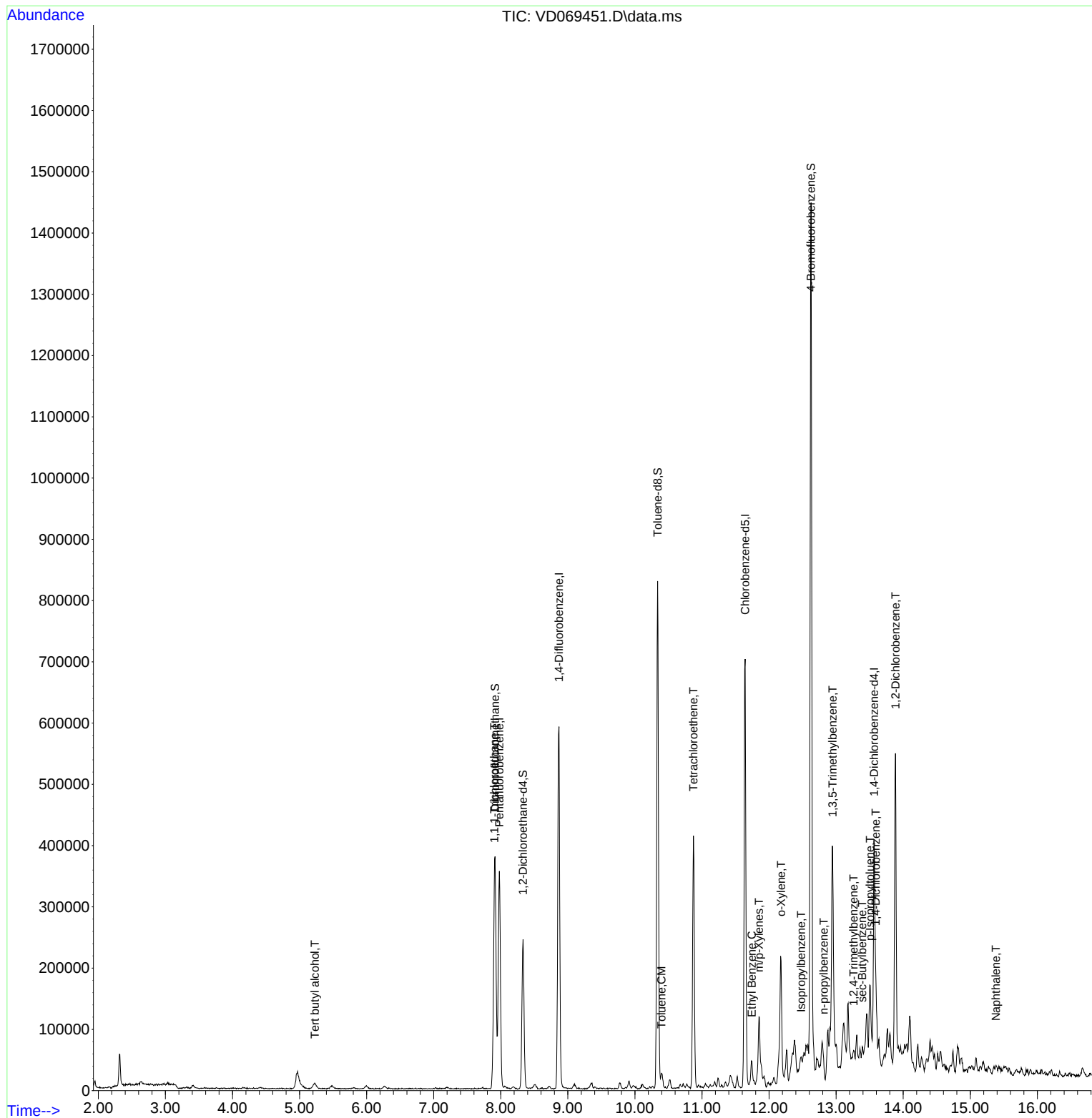
Internal Standards						
1) Pentafluorobenzene	7.979	168	263102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	538559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	436304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	93270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	188762	63.595	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.180%			
35) Dibromofluoromethane	7.914	113	203259	50.389	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.780%			
50) Toluene-d8	10.338	98	582051	39.452	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 78.900%			
62) 4-Bromofluorobenzene	12.626	95	167625	35.410	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 70.820%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.226	59	15201	98.507	ug/l #	88
32) 1,1,1-Trichloroethane	7.902	97	110956	20.868	ug/l	97
52) Toluene	10.396	92	10394	1.003	ug/l	99
64) Tetrachloroethene	10.873	164	97074	28.768	ug/l	96
67) Ethyl Benzene	11.743	91	31992	1.988	ug/l	92
68) m/p-Xylenes	11.849	106	16589	2.595	ug/l	99
69) o-Xylene	12.179	106	55290	9.774	ug/l	99
73) Isopropylbenzene	12.479	105	11367	1.733	ug/l	92
78) n-propylbenzene	12.814	91	19164	2.381	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	60458	10.937	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	17802	3.221	ug/l	96
85) sec-Butylbenzene	13.390	105	10379	1.500	ug/l	97
86) p-Isopropyltoluene	13.508	119	55008	9.152	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	18623	5.678	ug/l	84
91) 1,2-Dichlorobenzene	13.885	146	147863	51.473	ug/l	98
95) Naphthalene	15.384	128	12004	7.020	ug/l #	92

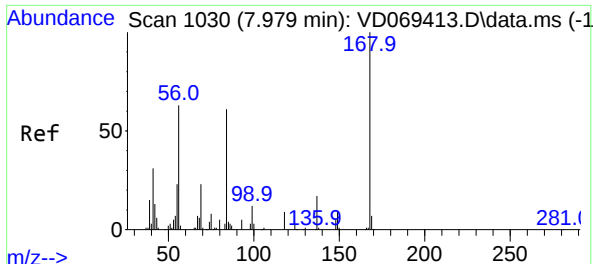
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061521\
Data File : VD069451.D
Acq On : 15 Jun 2021 20:29
Operator : VA/SY
Sample : M2710-04
Misc : 7.47G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
WC-1A

Quant Time: Jun 16 02:03:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 11 12:50:13 2021
Response via : Initial Calibration

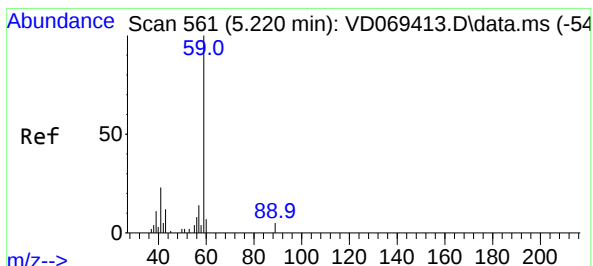
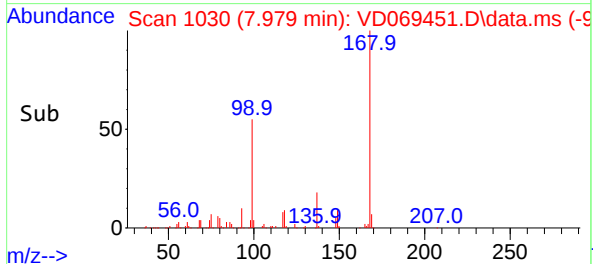
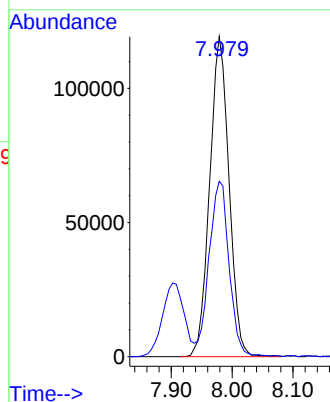
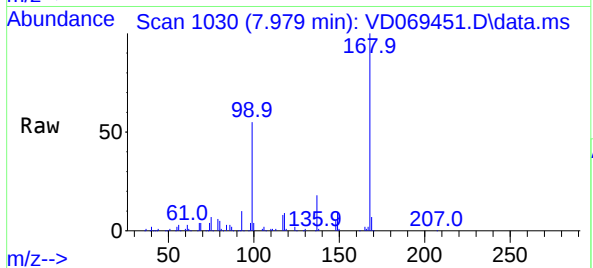




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

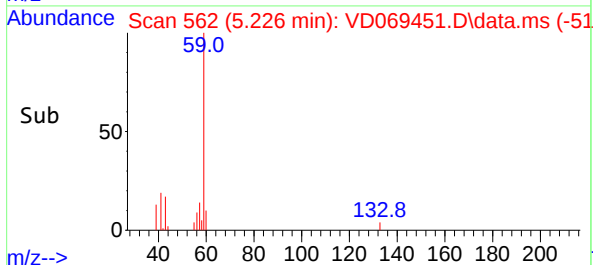
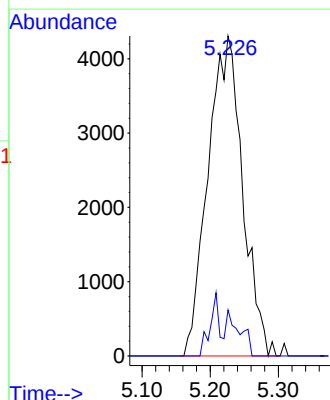
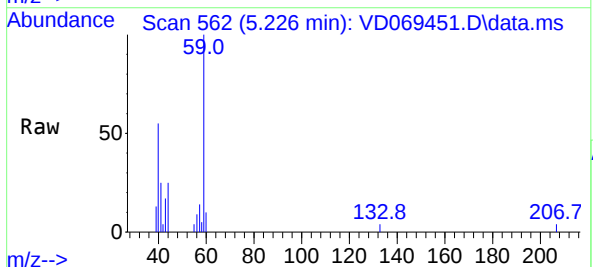
Instrument :
MSVOA_D
ClientSampleId :
WC-1A

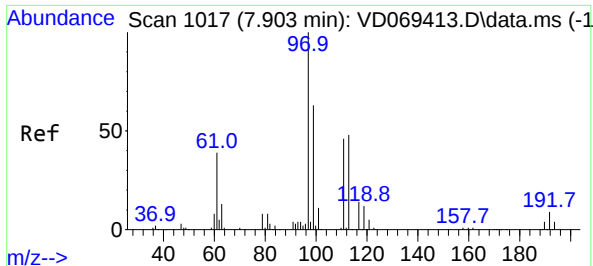
Tgt Ion:168 Resp: 263102
Ion Ratio Lower Upper
168 100
99 54.5 46.2 69.2



#11
Tert butyl alcohol
Concen: 98.507 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Tgt Ion: 59 Resp: 15201
Ion Ratio Lower Upper
59 100
57 5.5 7.8 11.8#

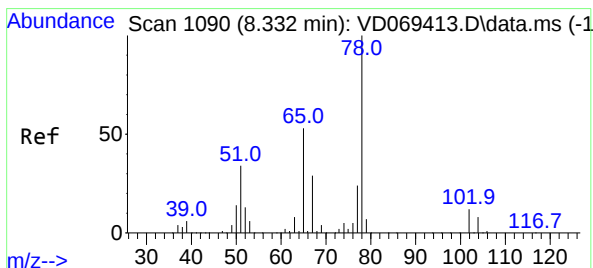
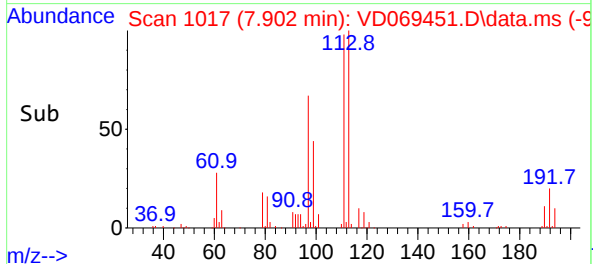
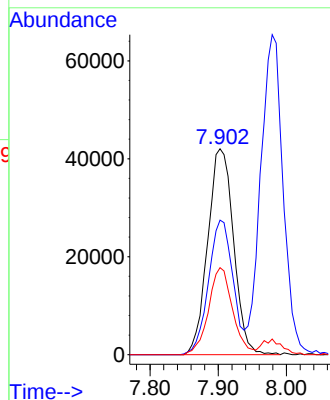
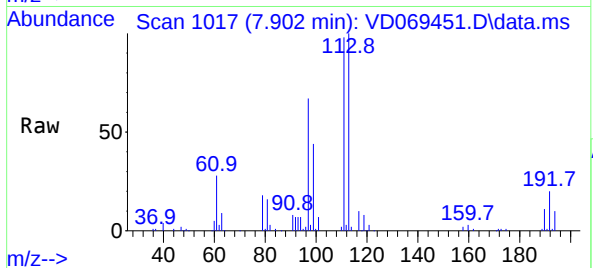




#32
1,1,1-Trichloroethane
Concen: 20.868 ug/l
RT: 7.902 min Scan# 1017
Delta R.T. -0.001 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

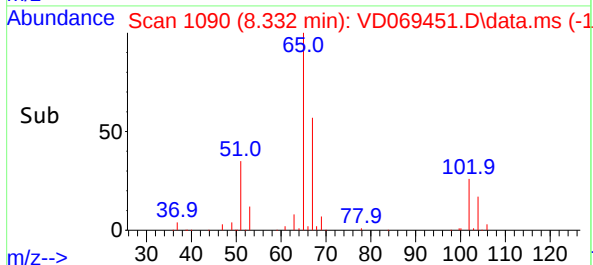
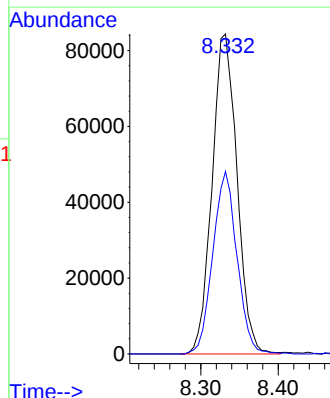
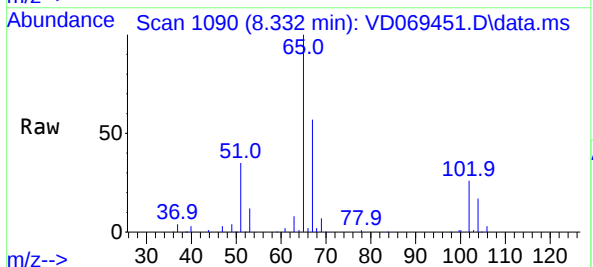
Instrument :
MSVOA_D
ClientSampleId :
WC-1A

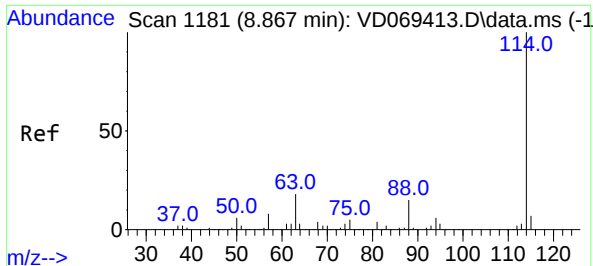
Tgt Ion: 97 Resp: 110956
Ion Ratio Lower Upper
97 100
99 61.9 51.9 77.9
61 39.5 31.8 47.6



#33
1,2-Dichloroethane-d4
Concen: 63.595 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Tgt Ion: 65 Resp: 188762
Ion Ratio Lower Upper
65 100
67 55.3 0.0 105.8



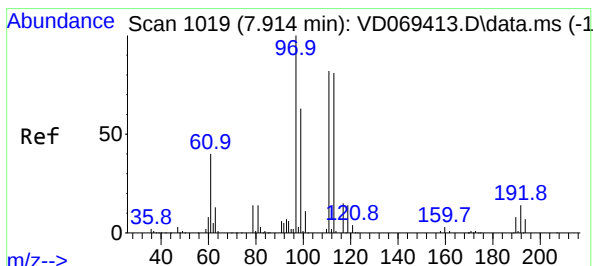
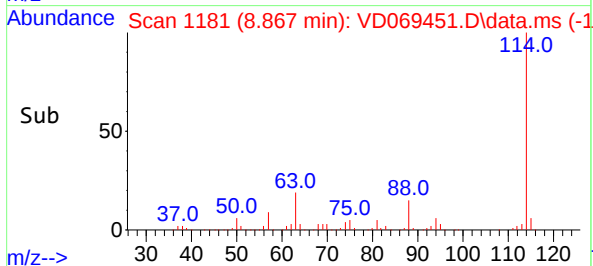
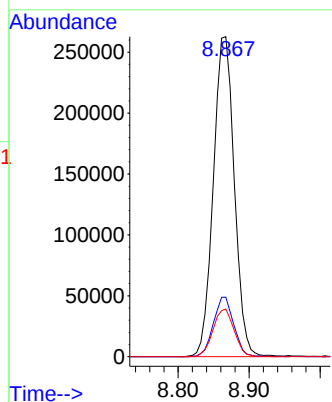
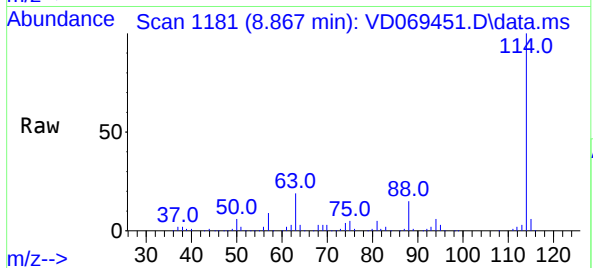


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Instrument :
MSVOA_D
ClientSampleId :
WC-1A

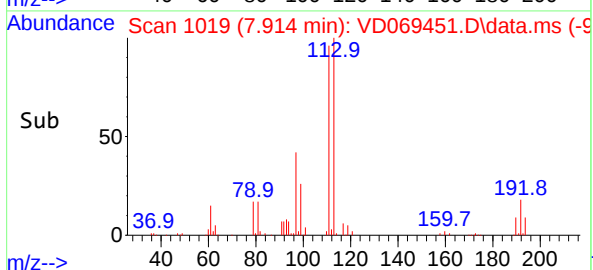
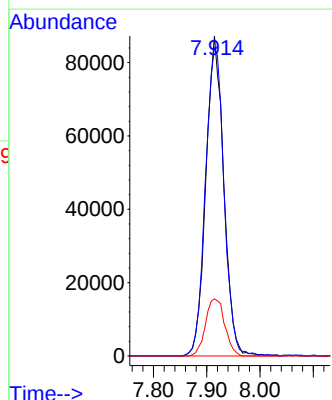
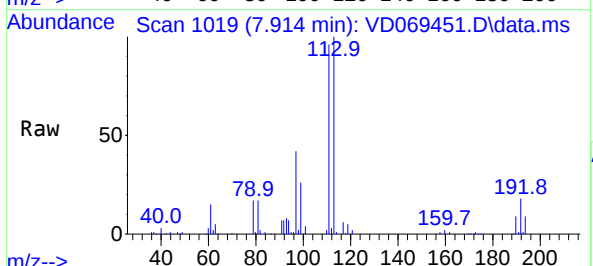
Tgt Ion:114 Resp: 538559
Ion Ratio Lower Upper
114 100
63 18.6 0.0 35.6
88 14.9 0.0 31.2

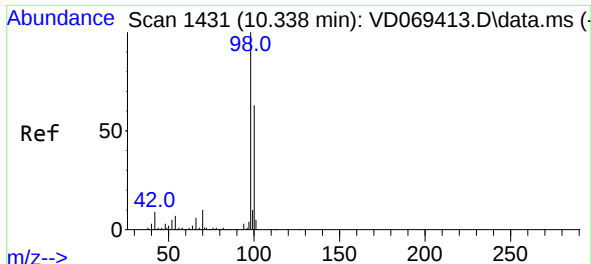


#35

Dibromofluoromethane
Concen: 50.389 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Tgt Ion:113 Resp: 203259
Ion Ratio Lower Upper
113 100
111 100.7 83.0 124.6
192 19.2 15.1 22.7

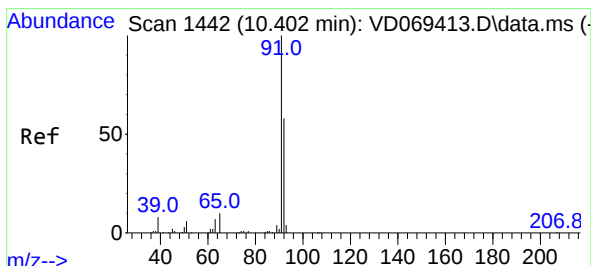
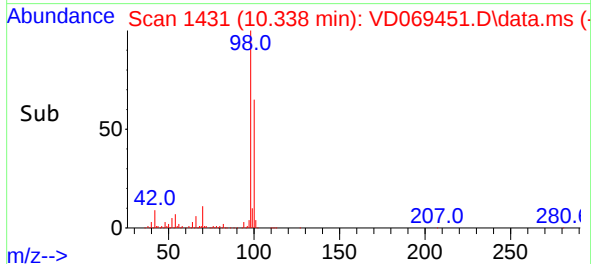
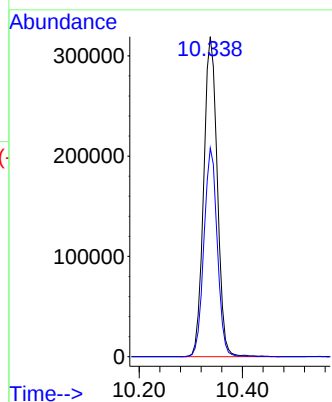
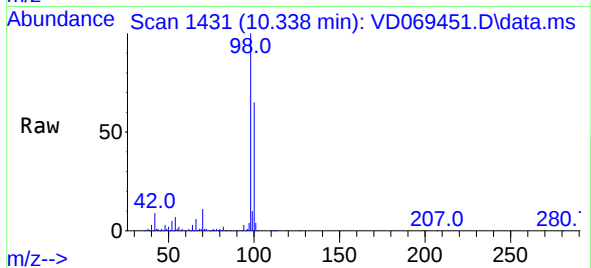




#50
Toluene-d8
Concen: 39.452 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

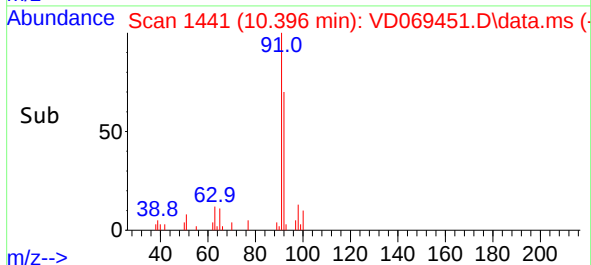
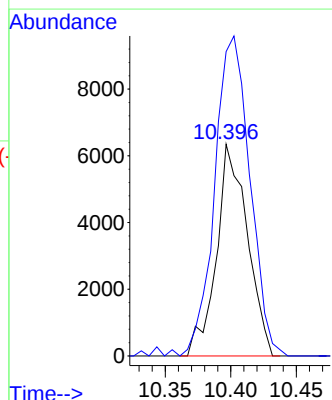
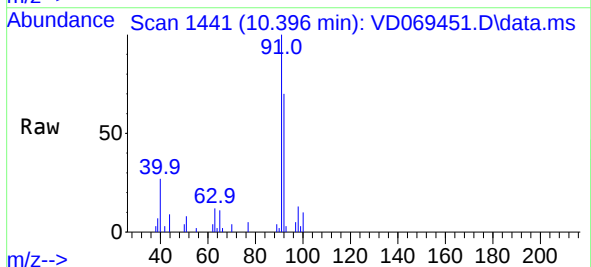
Instrument :
MSVOA_D
ClientSampleId :
WC-1A

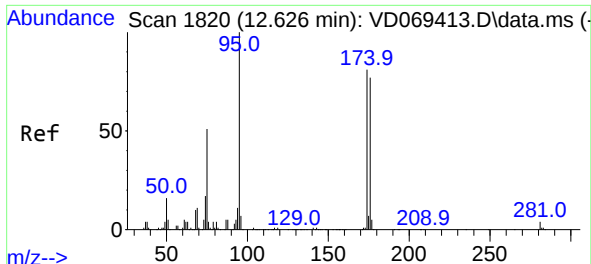
Tgt Ion: 98 Resp: 582051
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#52
Toluene
Concen: 1.003 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Tgt Ion: 92 Resp: 10394
Ion Ratio Lower Upper
92 100
91 172.1 138.4 207.6



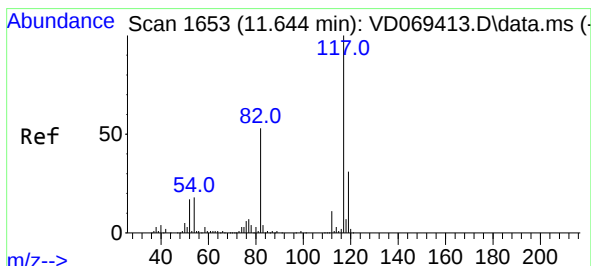
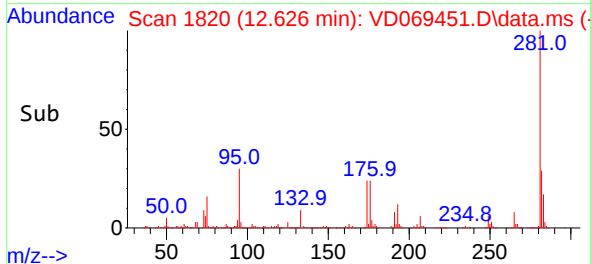
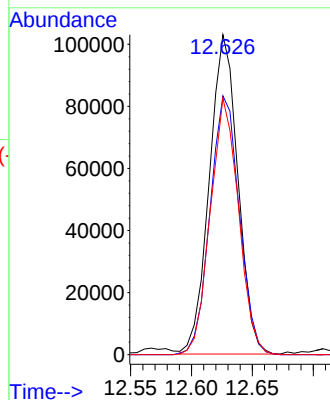
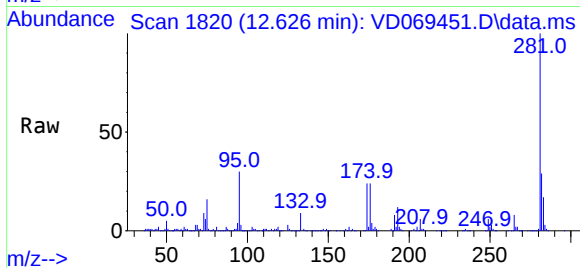


#62
4-Bromofluorobenzene
Concen: 35.410 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Instrument :
MSVOA_D
ClientSampleId :
WC-1A

Tgt Ion: 95 Resp: 167625

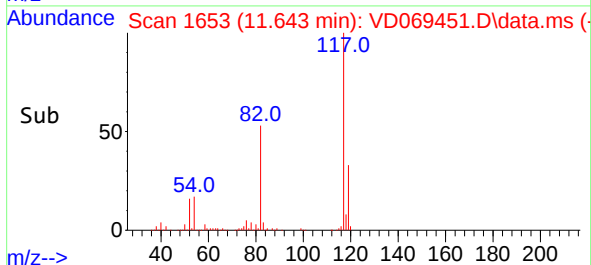
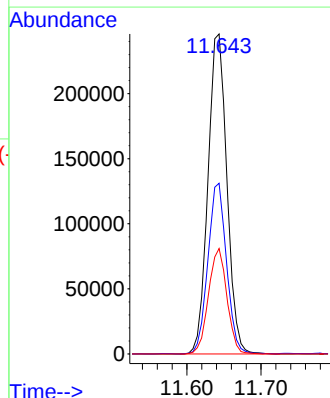
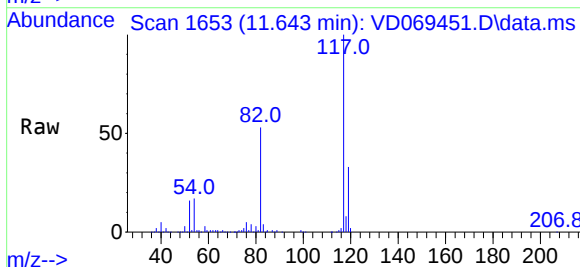
Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	162.8
176	79.5	0.0	154.4

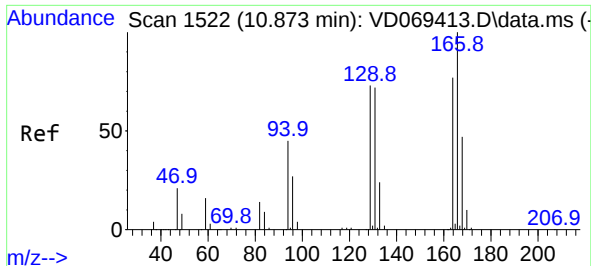


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.001 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Tgt Ion: 117 Resp: 436304

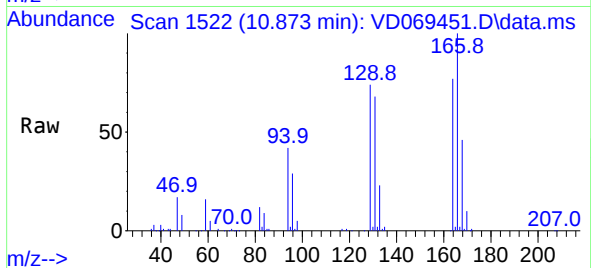
Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.3	64.9
119	32.9	25.3	37.9





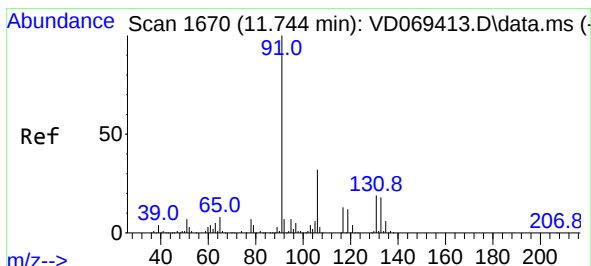
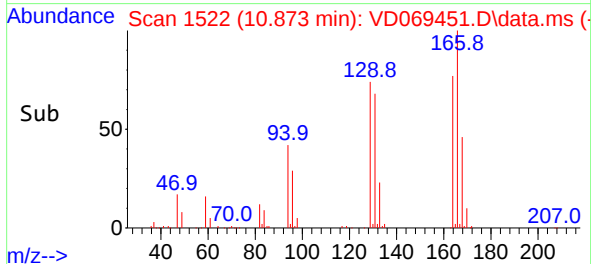
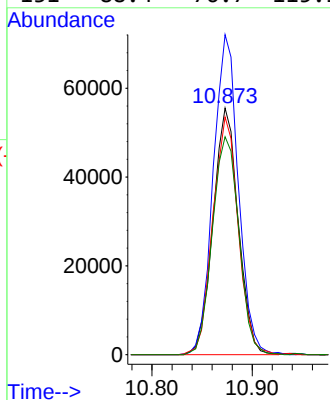
#64
Tetrachloroethene
Concen: 28.768 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Instrument :
MSVOA_D
ClientSampleId :
WC-1A

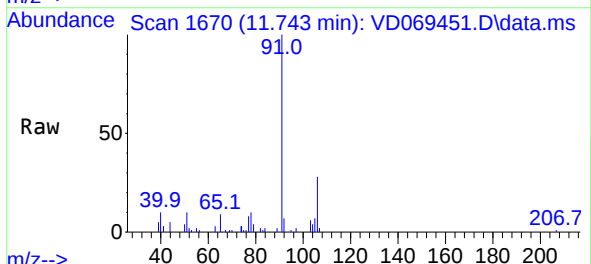


Tgt Ion:164 Resp: 97074

Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.2	150.4
129	96.4	78.1	117.1
131	88.4	76.7	115.1

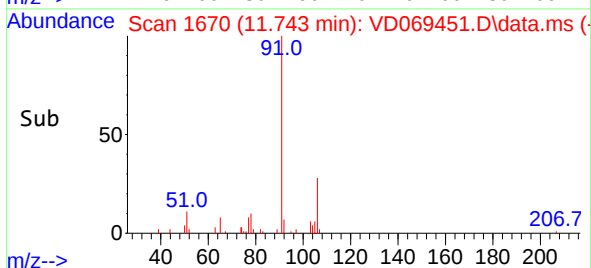
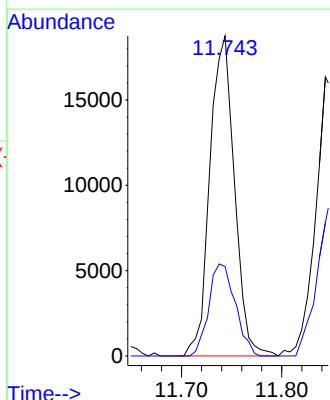


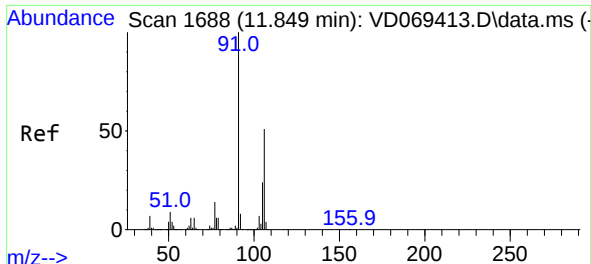
#67
Ethyl Benzene
Concen: 1.988 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.001 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29



Tgt Ion: 91 Resp: 31992

Ion	Ratio	Lower	Upper
91	100		
106	28.0	25.9	38.9

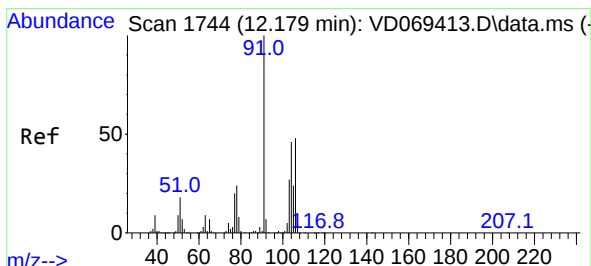
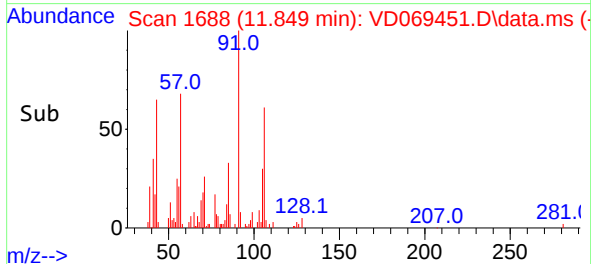
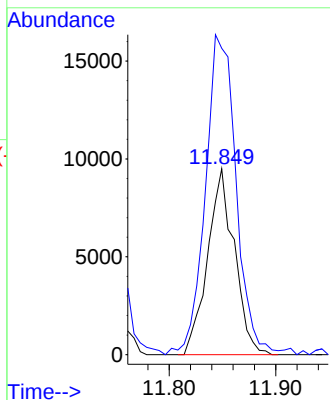
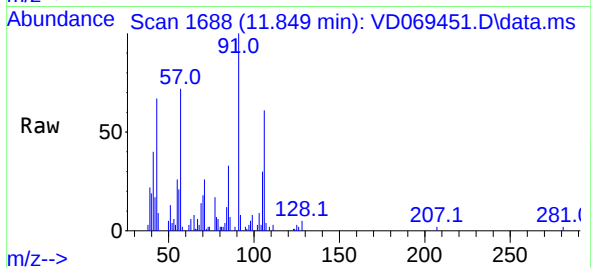




#68
m/p-Xylenes
Concen: 2.595 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

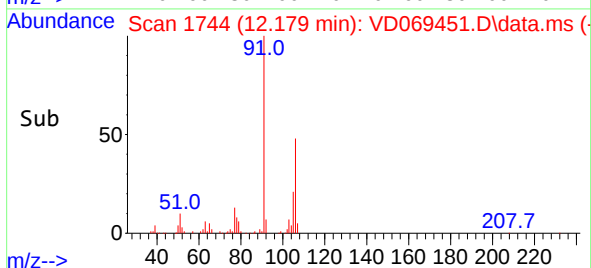
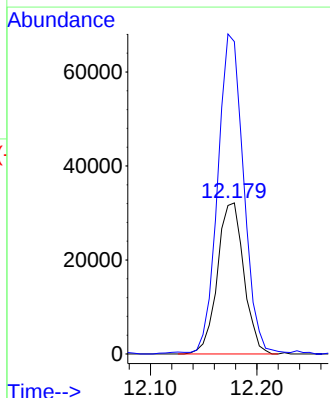
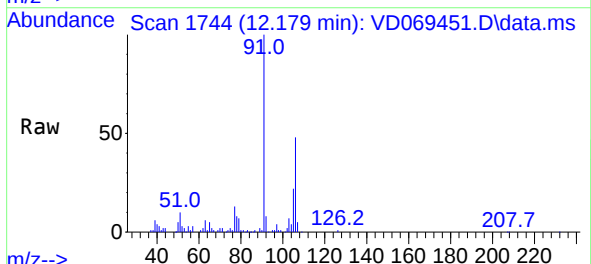
Instrument :
MSVOA_D
ClientSampleId :
WC-1A

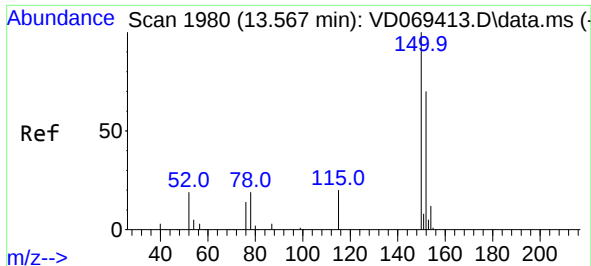
Tgt Ion:106 Resp: 16589
Ion Ratio Lower Upper
106 100
91 198.7 158.3 237.5



#69
o-Xylene
Concen: 9.774 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Tgt Ion:106 Resp: 55290
Ion Ratio Lower Upper
106 100
91 209.1 105.5 316.4

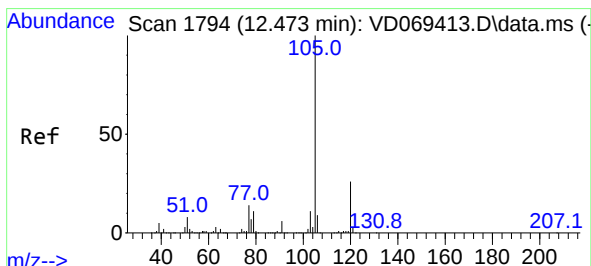
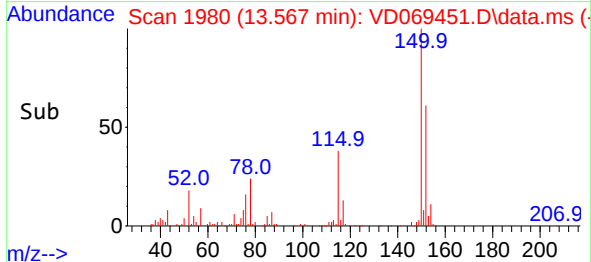
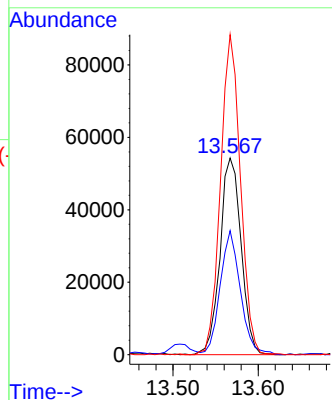
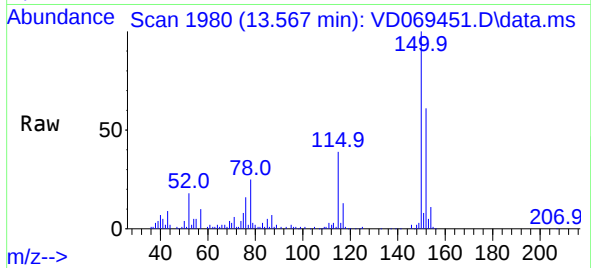




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

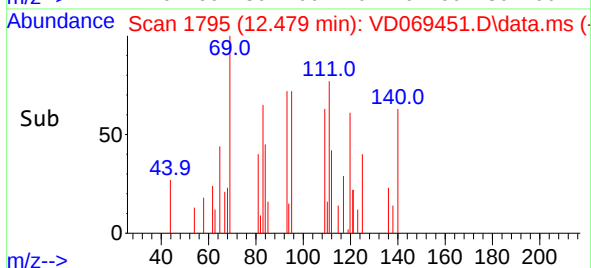
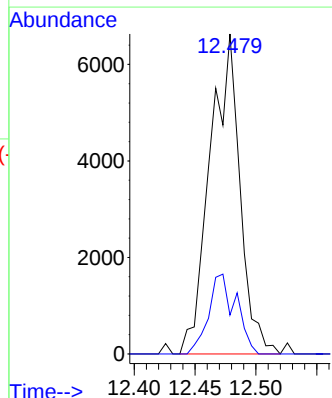
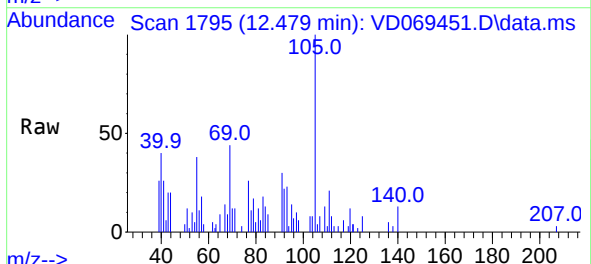
Instrument :
MSVOA_D
ClientSampleId :
WC-1A

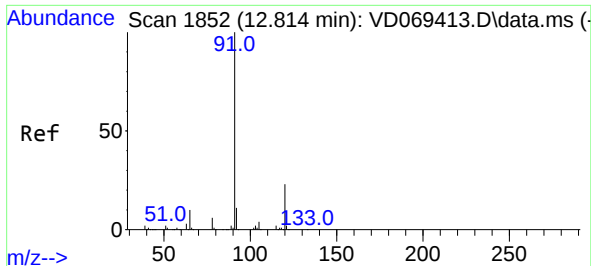
Tgt Ion:152 Resp: 93270
Ion Ratio Lower Upper
152 100
115 60.5 29.4 88.3
150 154.0 0.0 355.0



#73
Isopropylbenzene
Concen: 1.733 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.006 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Tgt Ion:105 Resp: 11367
Ion Ratio Lower Upper
105 100
120 22.8 13.5 40.5

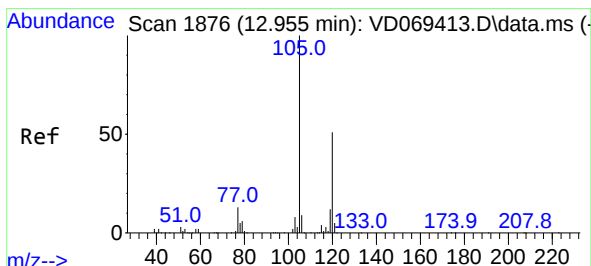
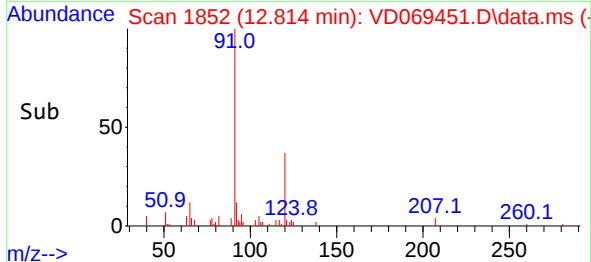
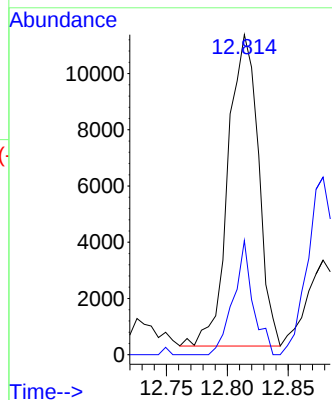
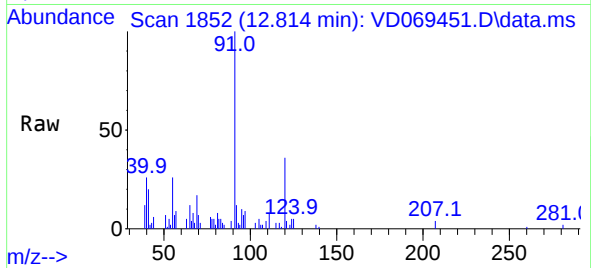




#78
n-propylbenzene
Concen: 2.381 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

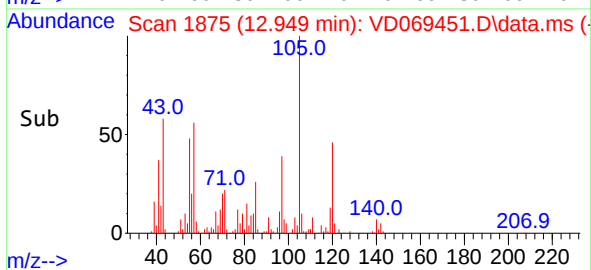
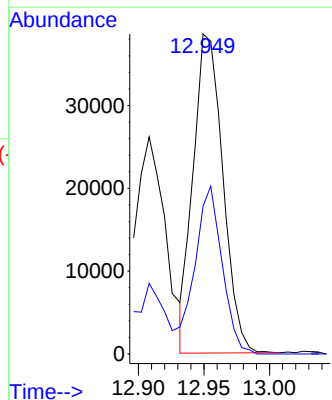
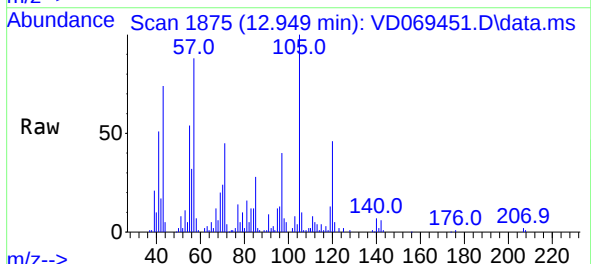
Instrument :
MSVOA_D
ClientSampleId :
WC-1A

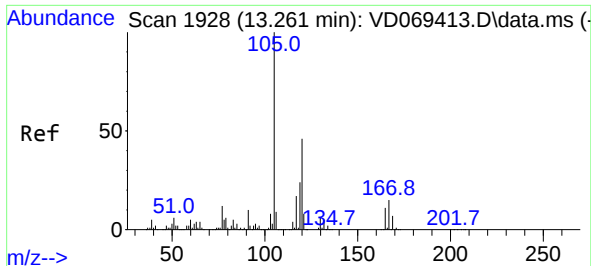
Tgt Ion: 91 Resp: 19164
Ion Ratio Lower Upper
91 100
120 23.7 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 10.937 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Tgt Ion: 105 Resp: 60458
Ion Ratio Lower Upper
105 100
120 49.2 24.9 74.7

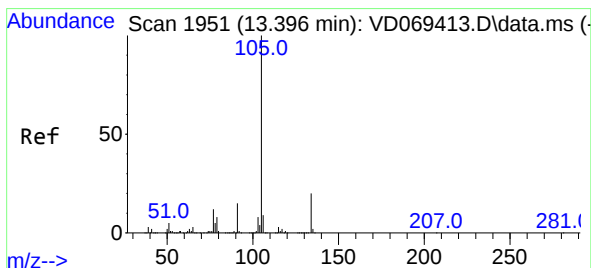
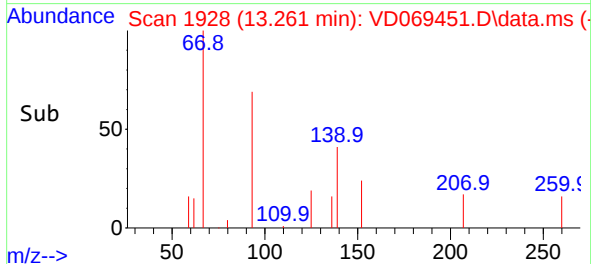
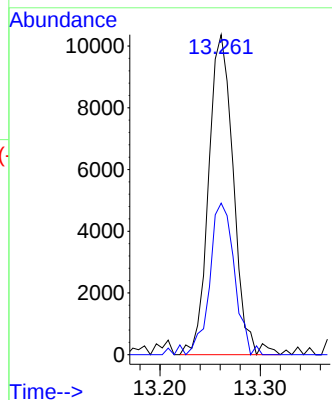
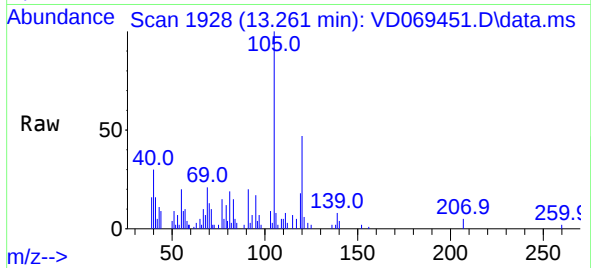




#84
1,2,4-Trimethylbenzene
Concen: 3.221 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

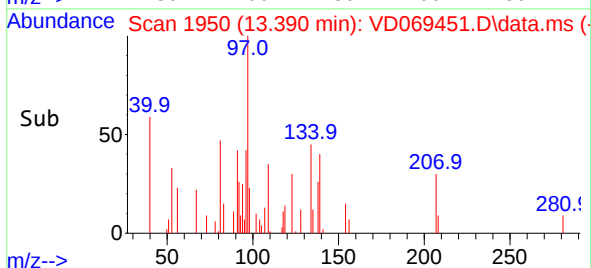
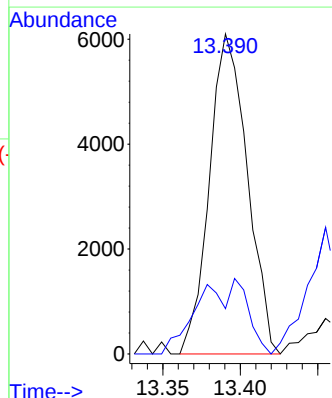
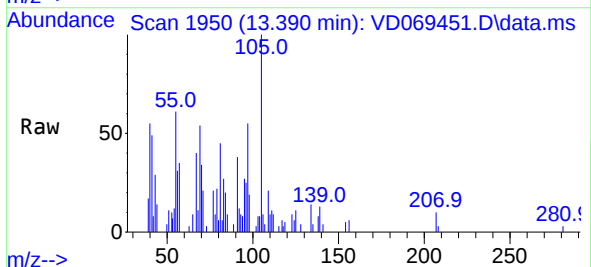
Instrument :
MSVOA_D
ClientSampleId :
WC-1A

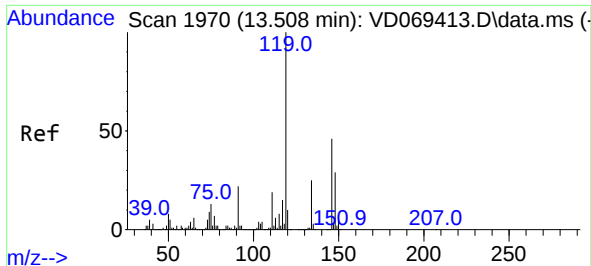
Tgt Ion:105 Resp: 17802
Ion Ratio Lower Upper
105 100
120 48.0 22.6 67.8



#85
sec-Butylbenzene
Concen: 1.500 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.006 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Tgt Ion:105 Resp: 10379
Ion Ratio Lower Upper
105 100
134 19.0 10.1 30.3

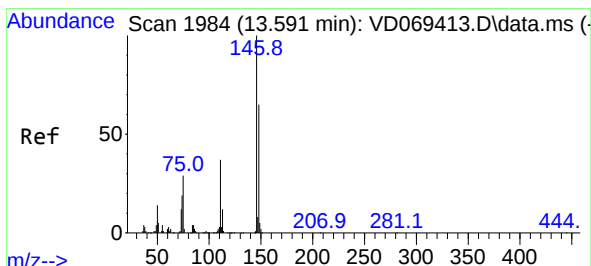
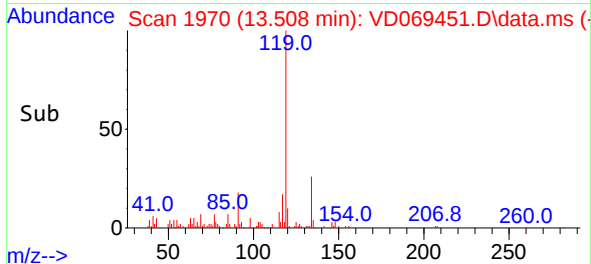
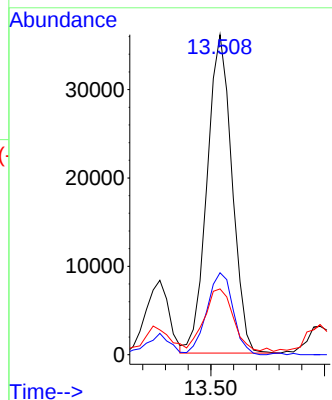
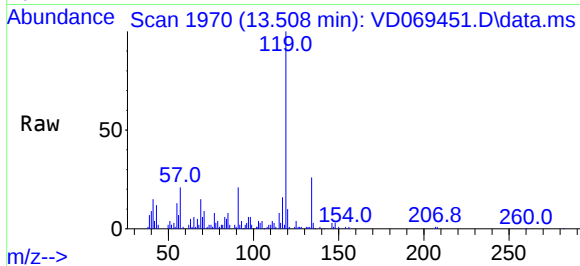




#86
p-Isopropyltoluene
Concen: 9.152 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. 0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

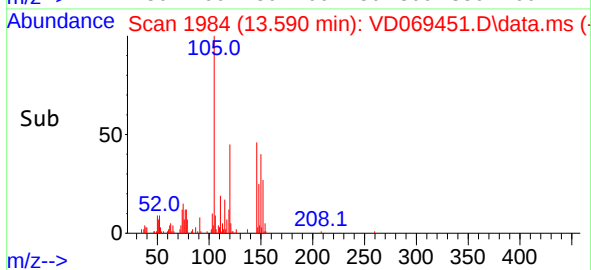
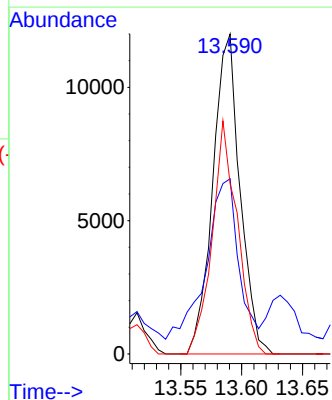
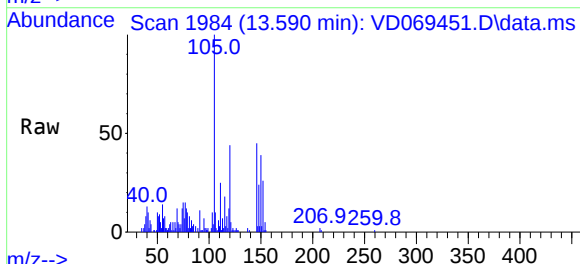
Instrument :
MSVOA_D
ClientSampleId :
WC-1A

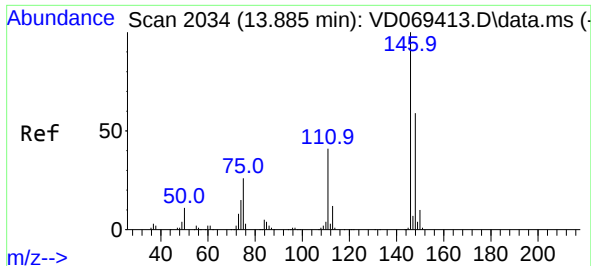
Tgt Ion:	119	Resp:	55008
Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.0	39.0
91	21.9	11.3	33.8



#88
1,4-Dichlorobenzene
Concen: 5.678 ug/l
RT: 13.590 min Scan# 1984
Delta R.T. -0.001 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Tgt Ion:	146	Resp:	18623
Ion	Ratio	Lower	Upper
146	100		
111	58.3	19.4	58.4
148	67.2	31.1	93.3

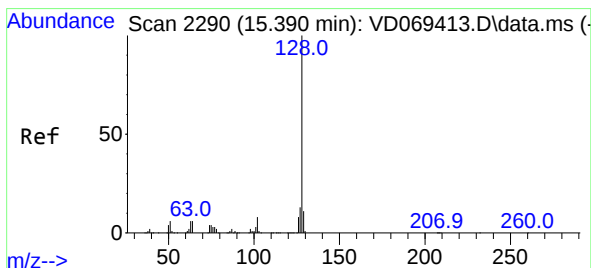
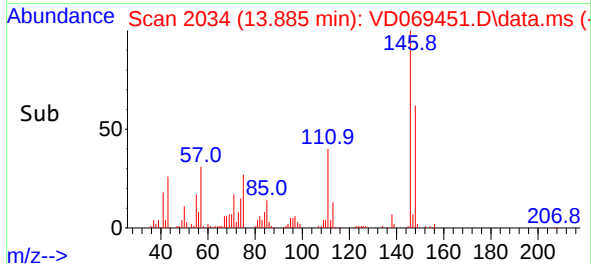
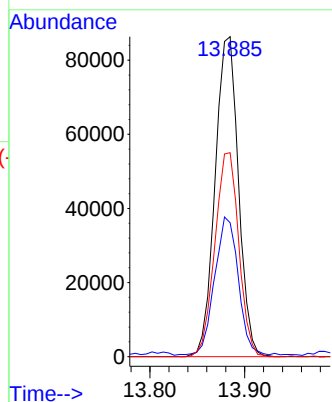
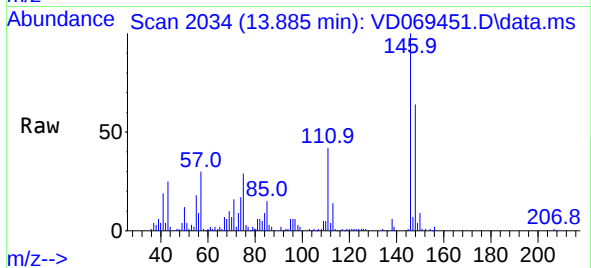




#91
1,2-Dichlorobenzene
Concen: 51.473 ug/l
RT: 13.885 min Scan# 2034
Delta R.T. -0.000 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Instrument :
MSVOA_D
ClientSampleId :
WC-1A

Tgt Ion:146 Resp: 147863
Ion Ratio Lower Upper
146 100
111 43.2 20.5 61.6
148 65.4 32.1 96.3



#95
Naphthalene
Concen: 7.020 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069451.D
Acq: 15 Jun 2021 20:29

Tgt Ion:128 Resp: 12004
Ion Ratio Lower Upper
128 100
127 11.4 10.4 15.6
129 16.1 8.8 13.2#

