

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061621\
 Data File : VD069460.D
 Acq On : 16 Jun 2021 12:04
 Operator : VA/SY
 Sample : M2710-04RE
 Misc : 7.48G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1ARE

Quant Time: Jun 17 02:47:08 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)

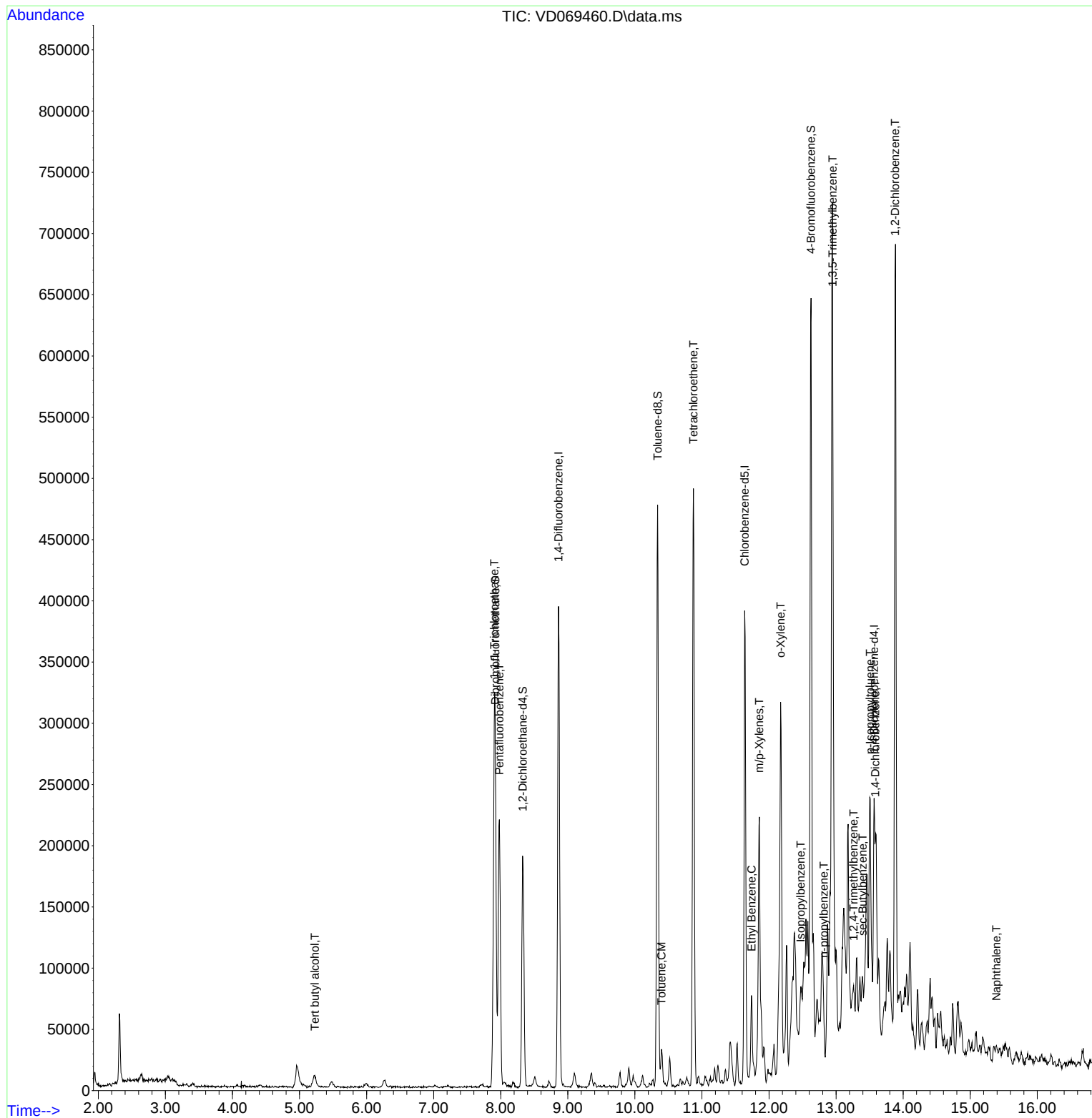
Internal Standards						
1) Pentafluorobenzene	7.979	168	161089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	352915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	230076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	36948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	152711	84.030	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 168.060%#			
35) Dibromofluoromethane	7.920	113	153662	58.132	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.260%			
50) Toluene-d8	10.338	98	324122	33.525	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 67.060%			
62) 4-Bromofluorobenzene	12.626	95	74664	24.069	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 48.140%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.226	59	16007	169.419	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	118487	36.396	ug/l	98
52) Toluene	10.397	92	12477	1.837	ug/l	93
64) Tetrachloroethene	10.873	164	117962	66.294	ug/l	98
67) Ethyl Benzene	11.738	91	48486	5.713	ug/l	100
68) m/p-Xylenes	11.855	106	20812	6.174	ug/l	86
69) o-Xylene	12.173	106	80507	26.989	ug/l	99
73) Isopropylbenzene	12.473	105	16951	6.526	ug/l	94
78) n-propylbenzene	12.814	91	28910	9.069	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	87310	39.870	ug/l	94
84) 1,2,4-Trimethylbenzene	13.261	105	22672	10.355	ug/l	94
85) sec-Butylbenzene	13.396	105	15918	5.808	ug/l #	72
86) p-Isopropyltoluene	13.508	119	78082	32.795	ug/l	96
88) 1,4-Dichlorobenzene	13.585	146	21848	16.816	ug/l	84
91) 1,2-Dichlorobenzene	13.879	146	174644	153.471	ug/l	98
95) Naphthalene	15.390	128	10521	11.203	ug/l #	88

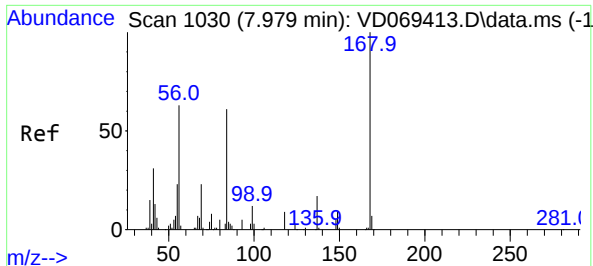
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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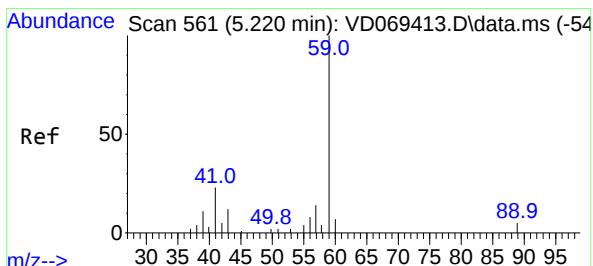
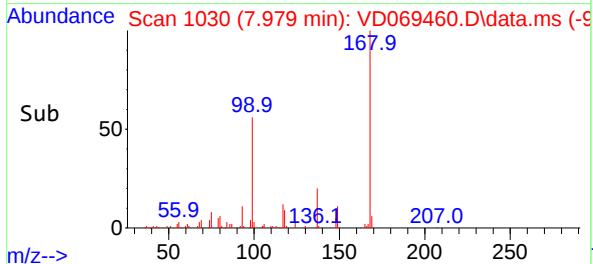
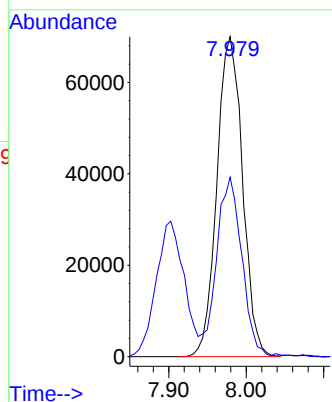
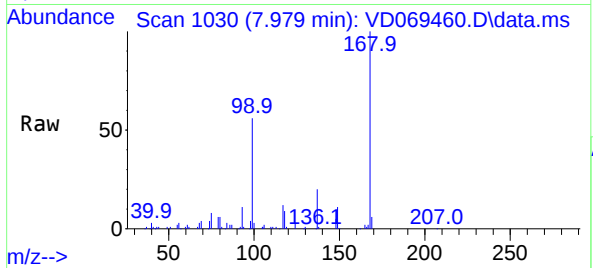




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

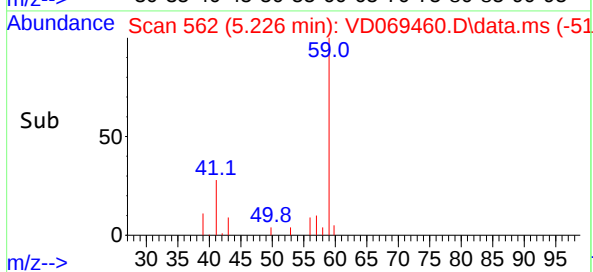
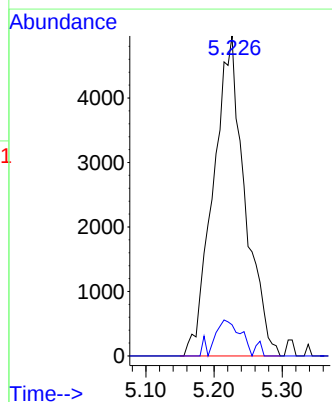
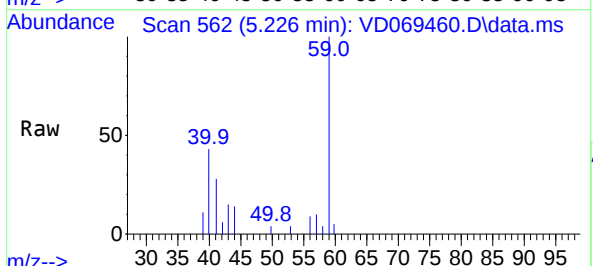
Instrument :
MSVOA_D
ClientSampleId :
WC-1ARE

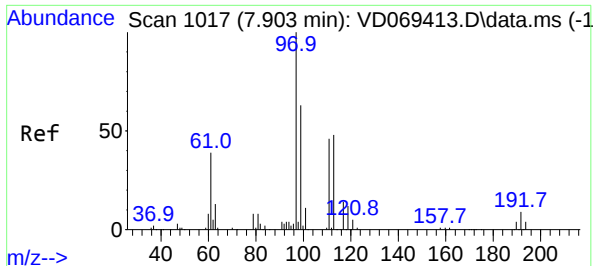
Tgt Ion:168 Resp: 161089
Ion Ratio Lower Upper
168 100
99 55.5 46.2 69.2



#11
Tert butyl alcohol
Concen: 169.419 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Tgt Ion: 59 Resp: 16007
Ion Ratio Lower Upper
59 100
57 8.5 7.8 11.8

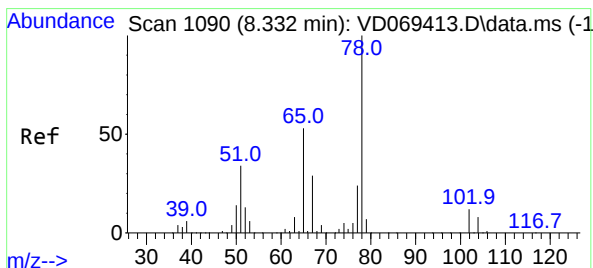
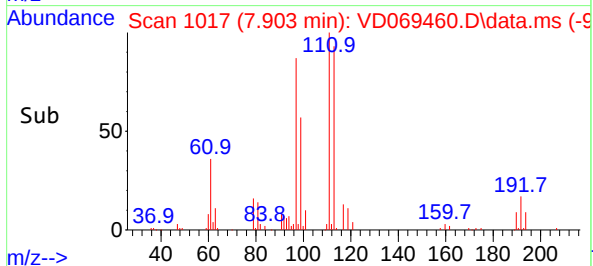
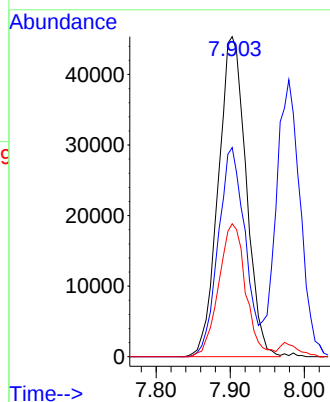
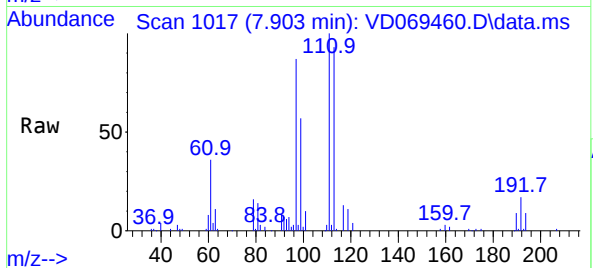




#32
1,1,1-Trichloroethane
Concen: 36.396 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

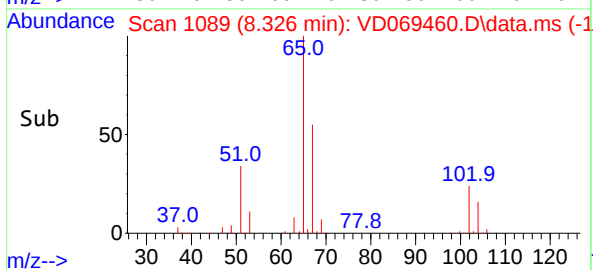
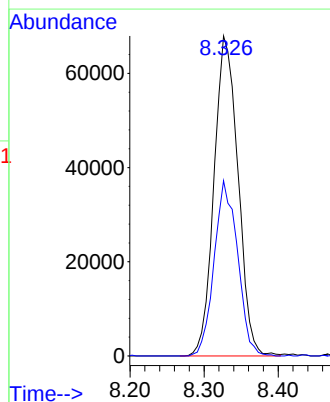
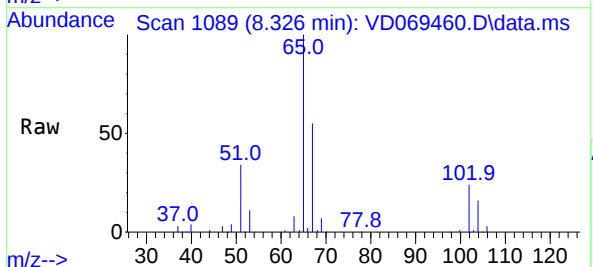
Instrument :
MSVOA_D
ClientSampleId :
WC-1ARE

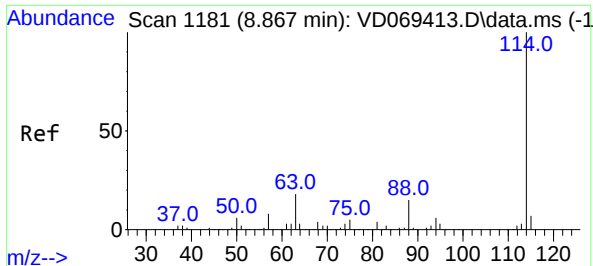
Tgt Ion:	97	Resp:	118487
Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.9	77.9
61	40.5	31.8	47.6



#33
1,2-Dichloroethane-d4
Concen: 84.030 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Tgt Ion:	65	Resp:	152711
Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.8



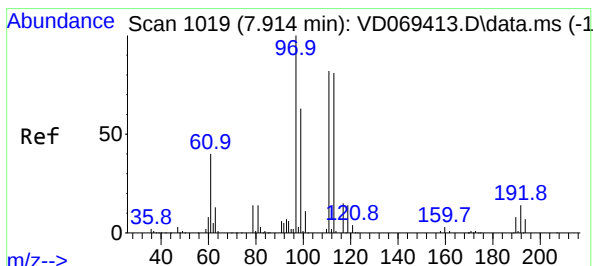
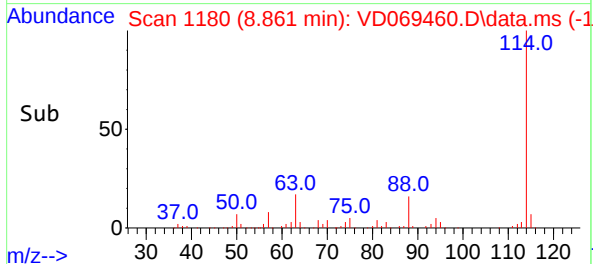
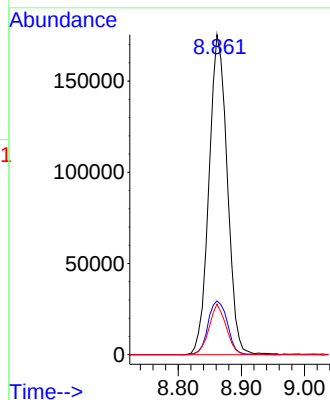
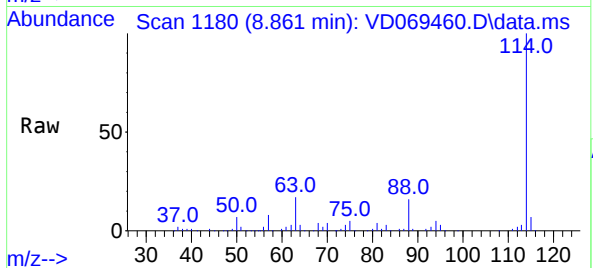


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Instrument :
MSVOA_D
ClientSampleId :
WC-1ARE

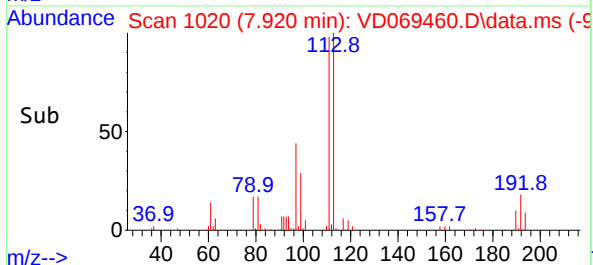
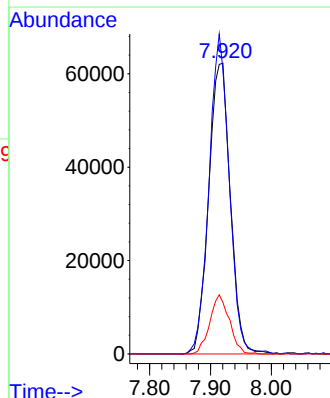
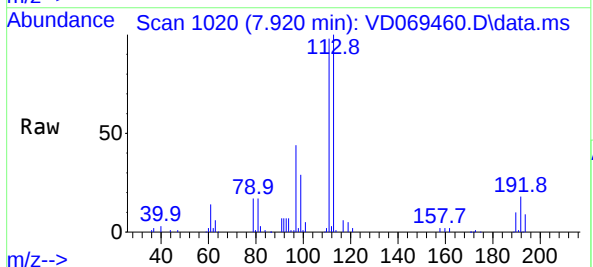
Tgt Ion:114 Resp: 352915
Ion Ratio Lower Upper
114 100
63 16.8 0.0 35.6
88 15.8 0.0 31.2

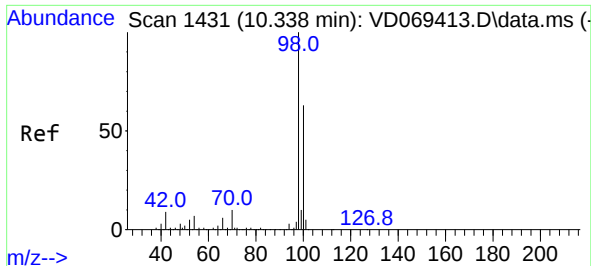


#35

Dibromofluoromethane
Concen: 58.132 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Tgt Ion:113 Resp: 153662
Ion Ratio Lower Upper
113 100
111 102.6 83.0 124.6
192 18.4 15.1 22.7

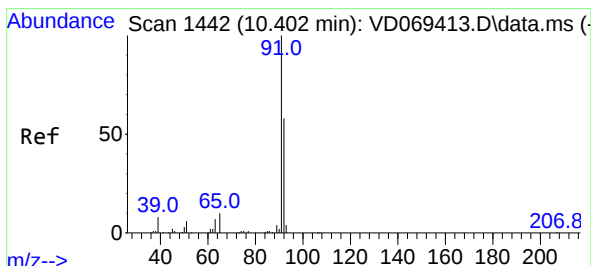
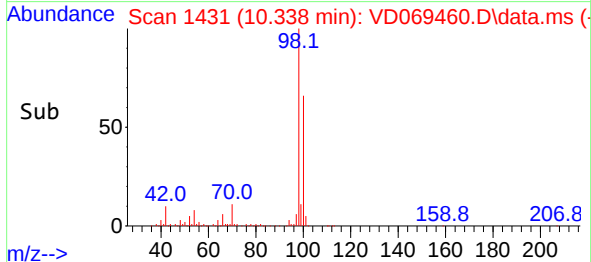
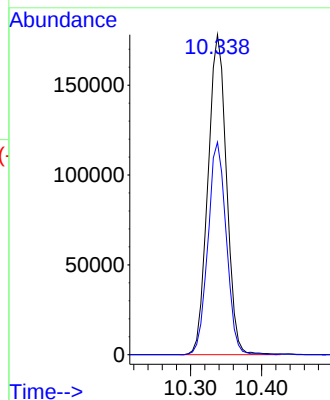
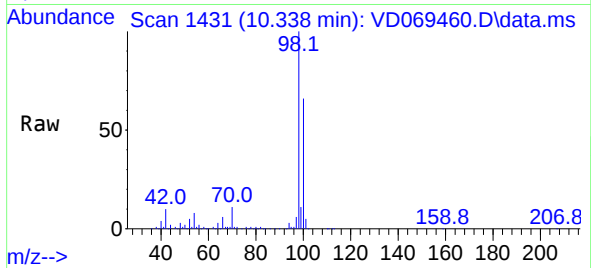




#50
Toluene-d8
Concen: 33.525 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

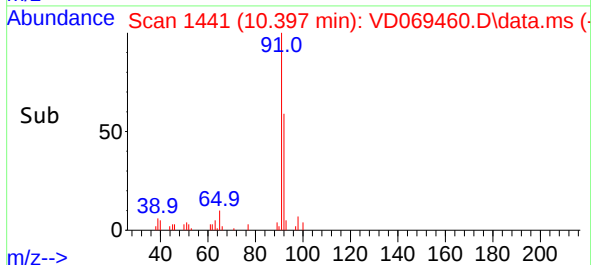
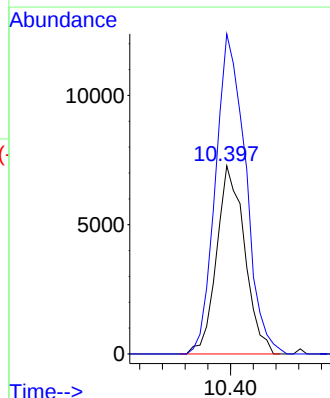
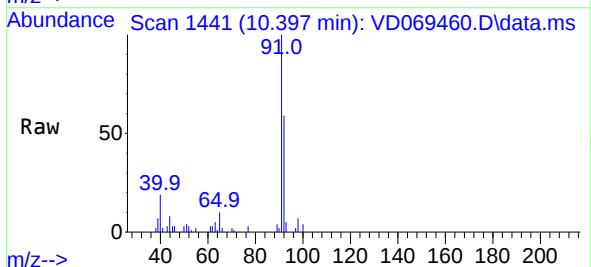
Instrument :
MSVOA_D
ClientSampleId :
WC-1ARE

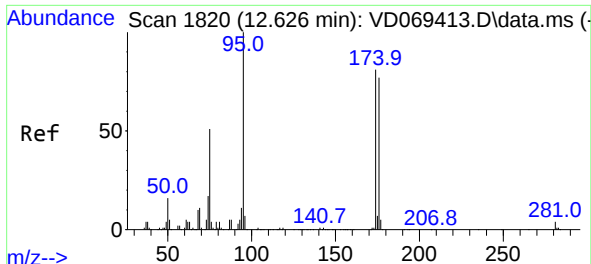
Tgt Ion: 98 Resp: 324122
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#52
Toluene
Concen: 1.837 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.005 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Tgt Ion: 92 Resp: 12477
Ion Ratio Lower Upper
92 100
91 182.1 138.4 207.6



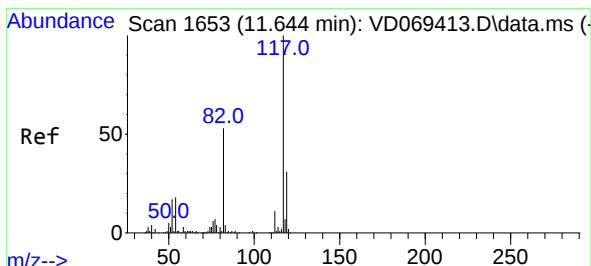
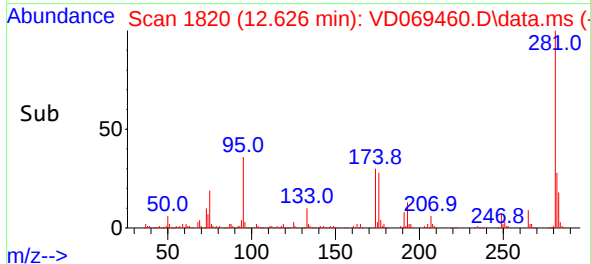
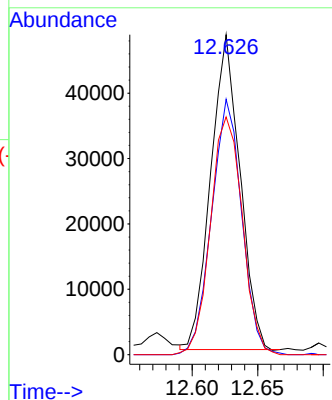
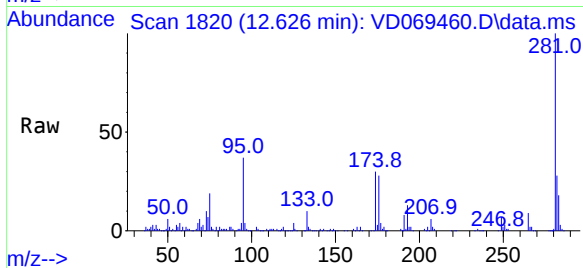


#62
4-Bromofluorobenzene
Concen: 24.069 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Instrument :
MSVOA_D
ClientSampleId :
WC-1ARE

Tgt Ion: 95 Resp: 74664

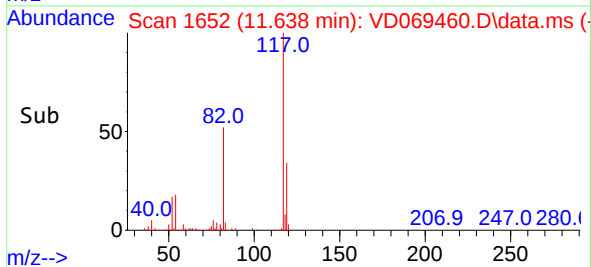
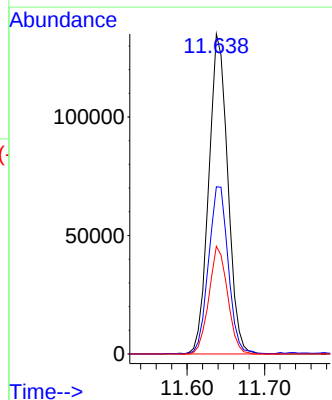
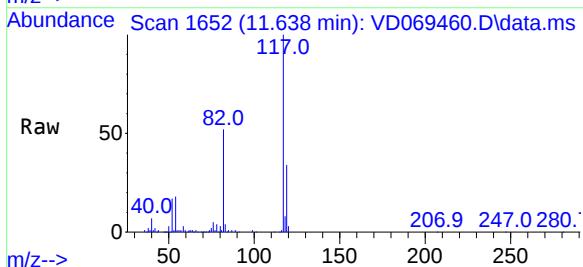
Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	162.8
176	82.2	0.0	154.4

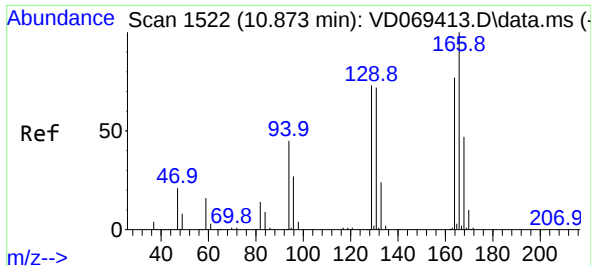


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Tgt Ion: 117 Resp: 230076

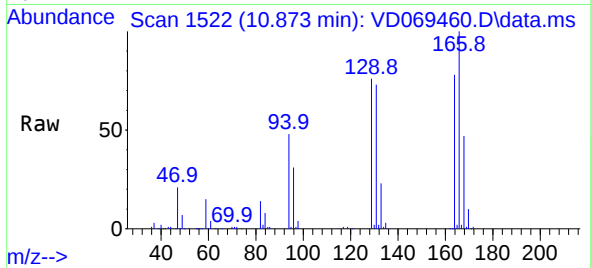
Ion	Ratio	Lower	Upper
117	100		
82	52.0	43.3	64.9
119	33.6	25.3	37.9



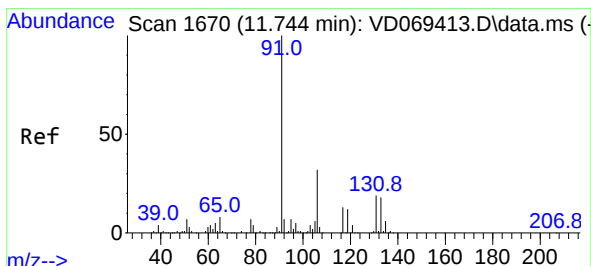
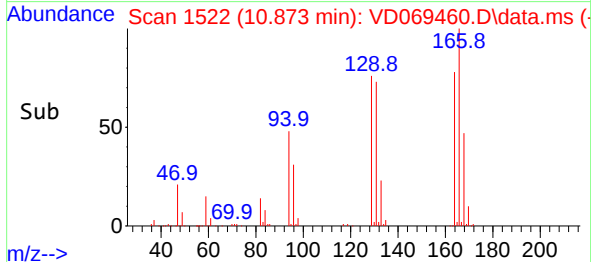
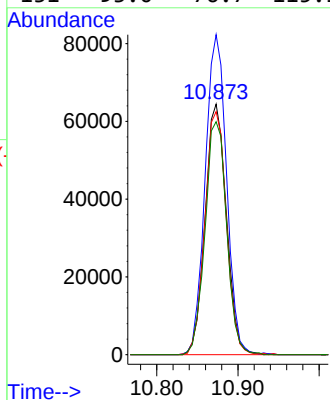


#64
Tetrachloroethene
Concen: 66.294 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Instrument :
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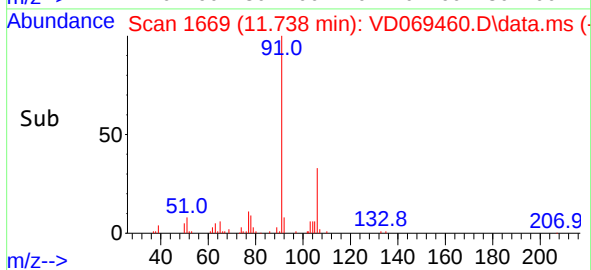
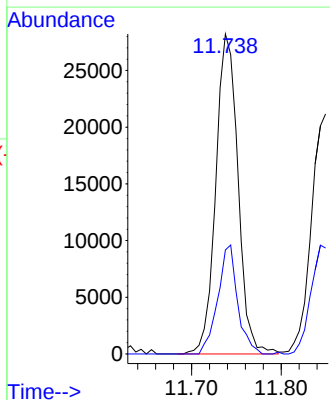
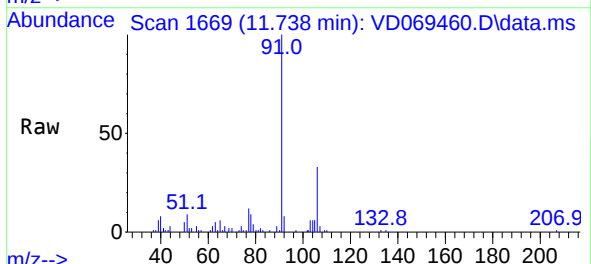


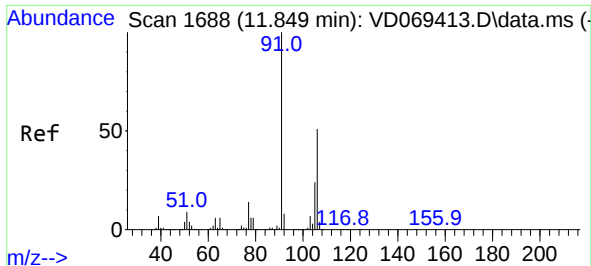
Tgt Ion:164 Resp: 117962
Ion Ratio Lower Upper
164 100
166 127.7 100.2 150.4
129 97.0 78.1 117.1
131 93.0 76.7 115.1



#67
Ethyl Benzene
Concen: 5.713 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.006 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Tgt Ion: 91 Resp: 48486
Ion Ratio Lower Upper
91 100
106 32.5 25.9 38.9

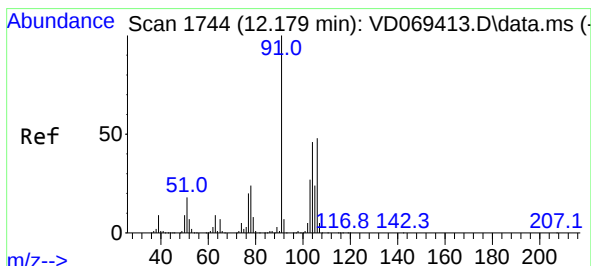
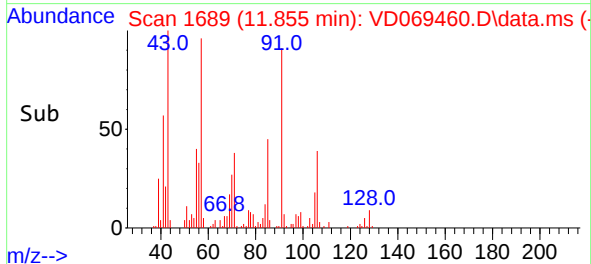
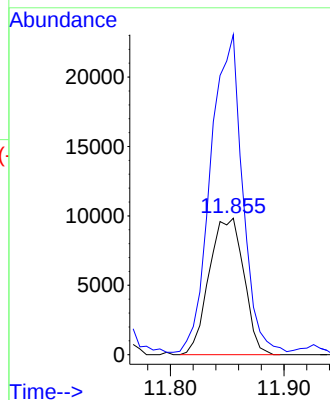
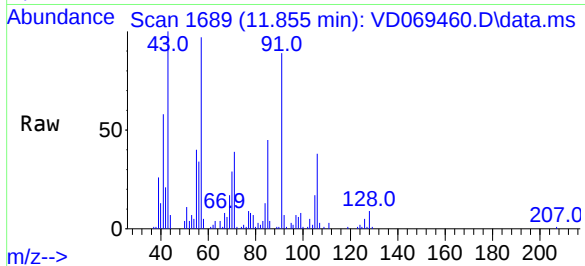




#68
m/p-Xylenes
Concen: 6.174 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

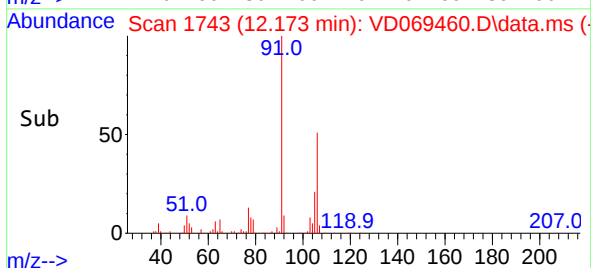
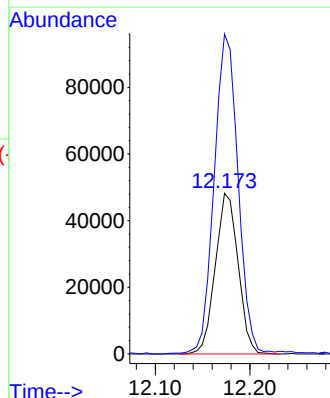
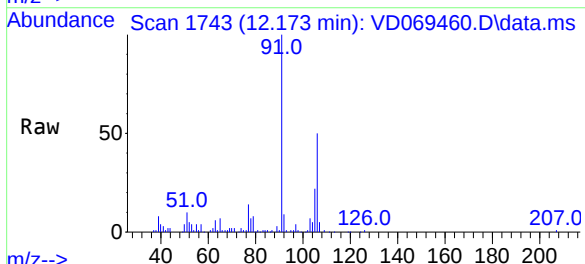
Instrument :
MSVOA_D
ClientSampleId :
WC-1ARE

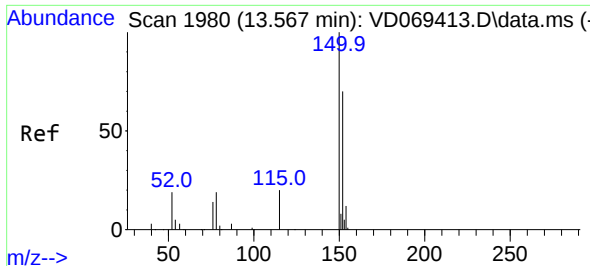
Tgt Ion:106 Resp: 20812
Ion Ratio Lower Upper
106 100
91 218.2 158.3 237.5



#69
o-Xylene
Concen: 26.989 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Tgt Ion:106 Resp: 80507
Ion Ratio Lower Upper
106 100
91 209.0 105.5 316.4

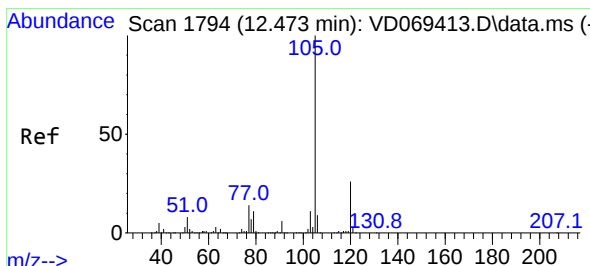
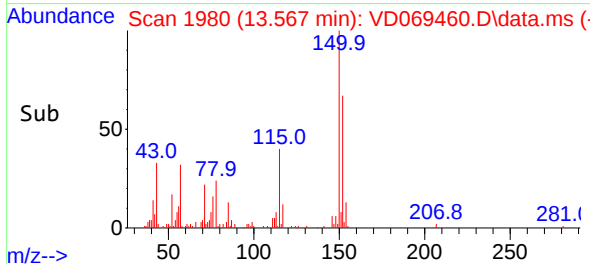
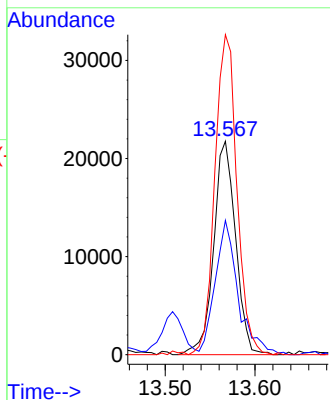
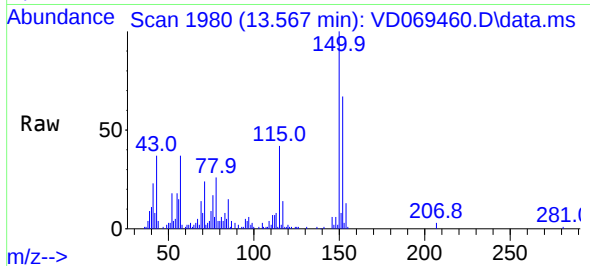




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

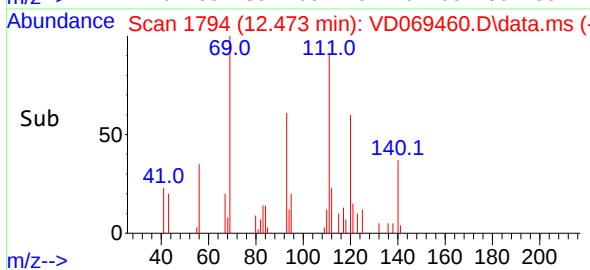
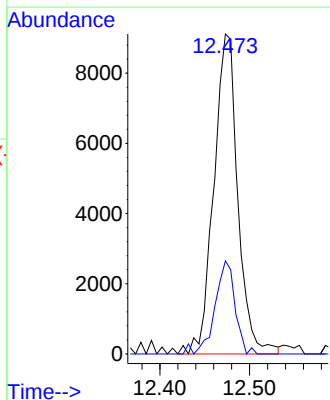
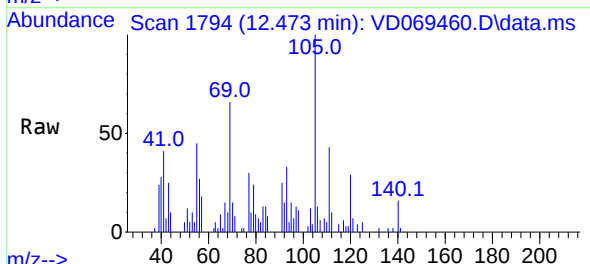
Instrument :
MSVOA_D
ClientSampleId :
WC-1ARE

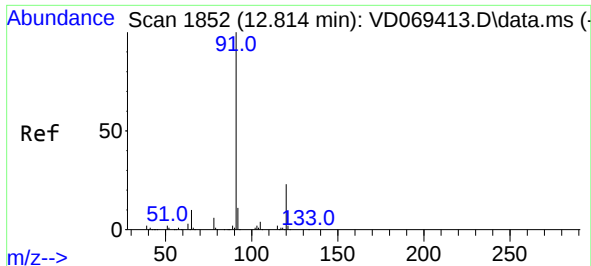
Tgt Ion:152 Resp: 36948
Ion Ratio Lower Upper
152 100
115 66.1 29.4 88.3
150 150.7 0.0 355.0



#73
Isopropylbenzene
Concen: 6.526 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Tgt Ion:105 Resp: 16951
Ion Ratio Lower Upper
105 100
120 23.7 13.5 40.5

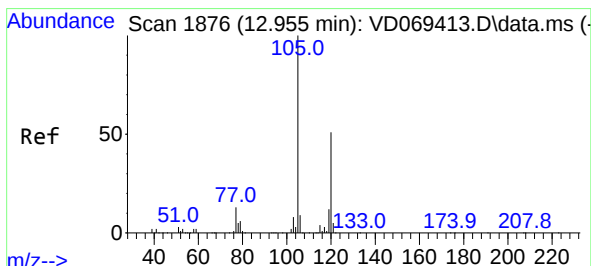
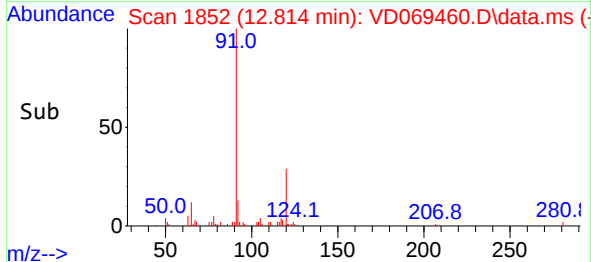
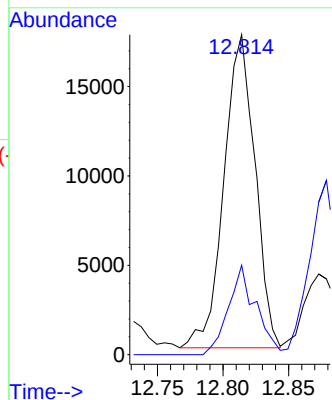
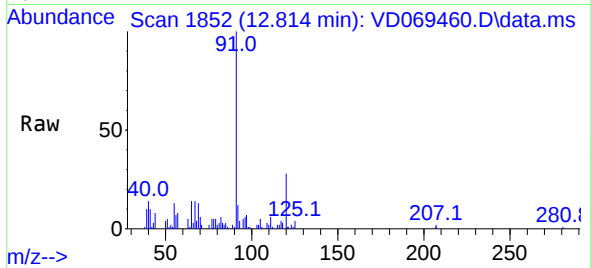




#78
n-propylbenzene
Concen: 9.069 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

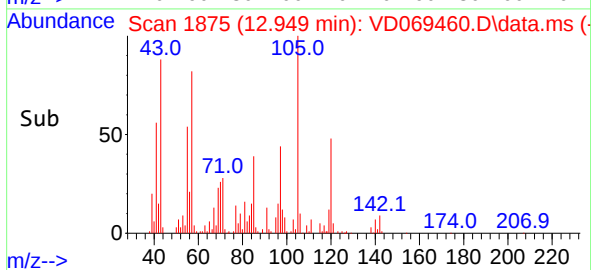
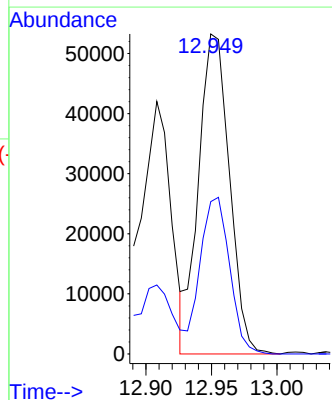
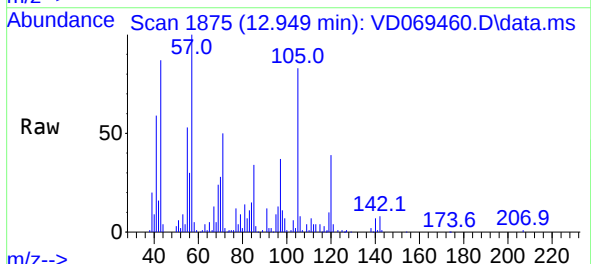
Instrument :
MSVOA_D
ClientSampleId :
WC-1ARE

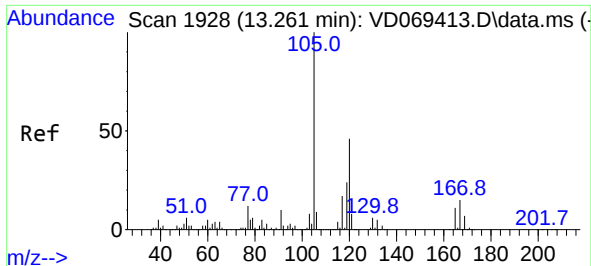
Tgt Ion: 91 Resp: 28910
Ion Ratio Lower Upper
91 100
120 25.1 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 39.870 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Tgt Ion: 105 Resp: 87310
Ion Ratio Lower Upper
105 100
120 45.8 24.9 74.7

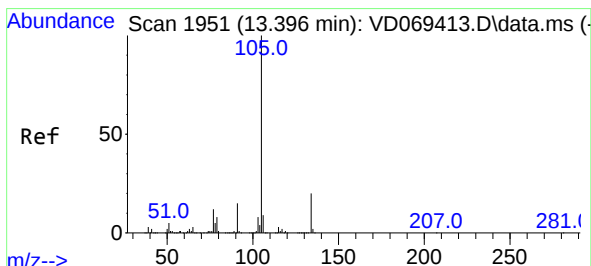
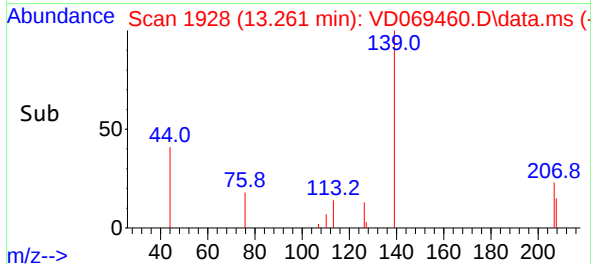
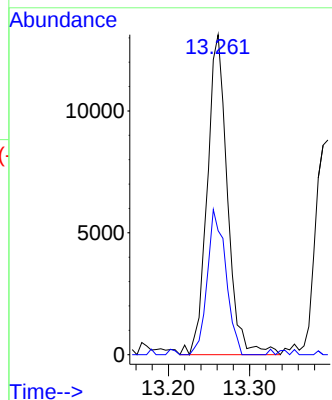
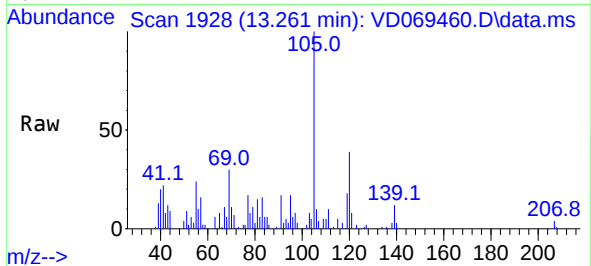




#84
1,2,4-Trimethylbenzene
Concen: 10.355 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

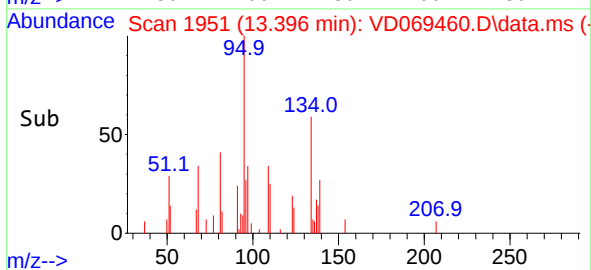
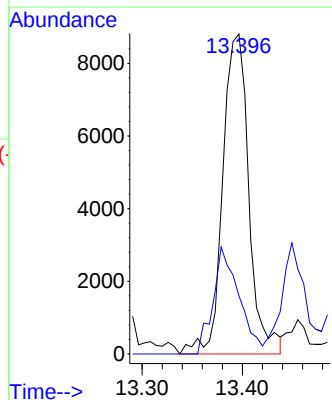
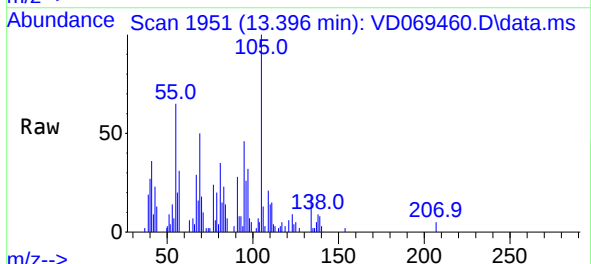
Instrument :
MSVOA_D
ClientSampleId :
WC-1ARE

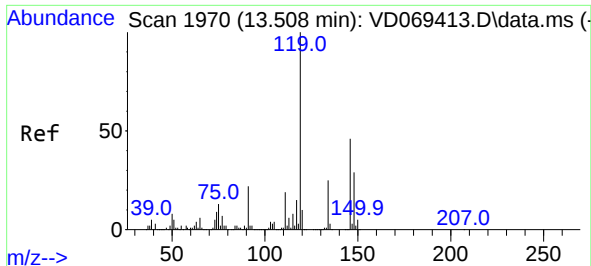
Tgt Ion:105 Resp: 22672
Ion Ratio Lower Upper
105 100
120 41.6 22.6 67.8



#85
sec-Butylbenzene
Concen: 5.808 ug/l
RT: 13.396 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Tgt Ion:105 Resp: 15918
Ion Ratio Lower Upper
105 100
134 33.3 10.1 30.3#

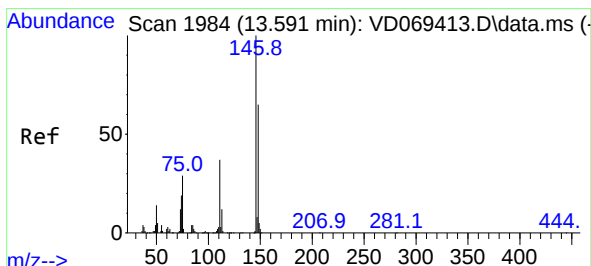
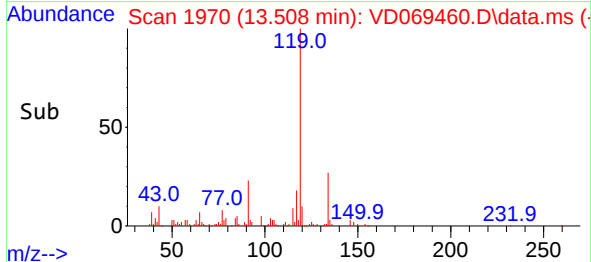
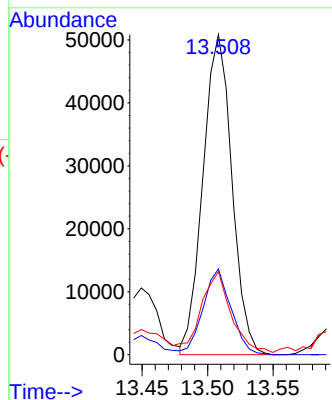
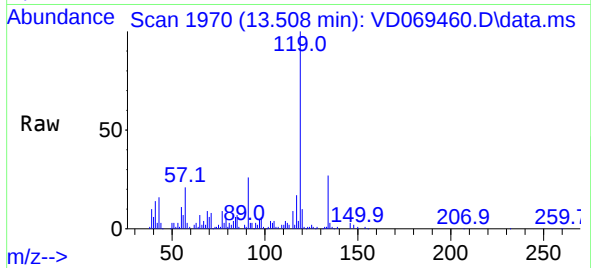




#86
p-Isopropyltoluene
Concen: 32.795 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. 0.000 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

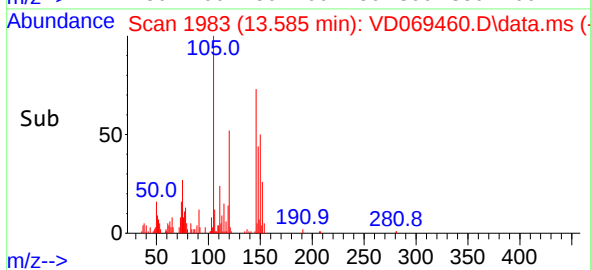
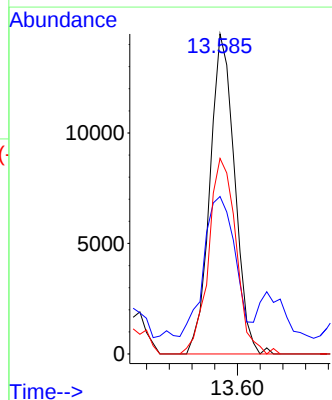
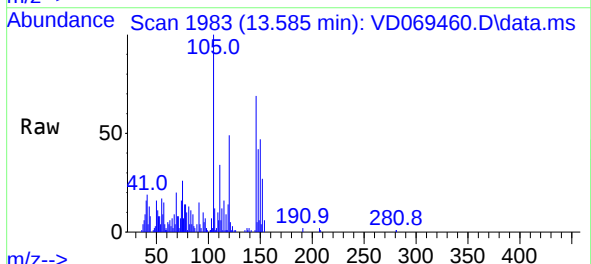
Instrument :
MSVOA_D
ClientSampleId :
WC-1ARE

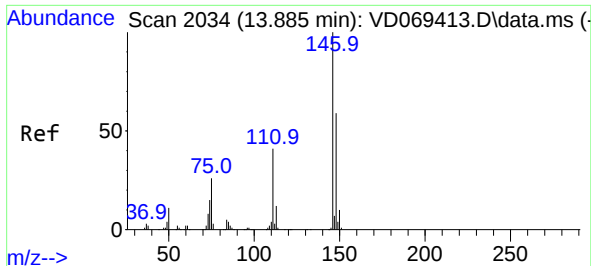
Tgt Ion:	119	Resp:	78082
Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	26.1	11.3	33.8



#88
1,4-Dichlorobenzene
Concen: 16.816 ug/l
RT: 13.585 min Scan# 1983
Delta R.T. -0.006 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Tgt Ion:	146	Resp:	21848
Ion	Ratio	Lower	Upper
146	100		
111	56.2	19.4	58.4
148	68.1	31.1	93.3

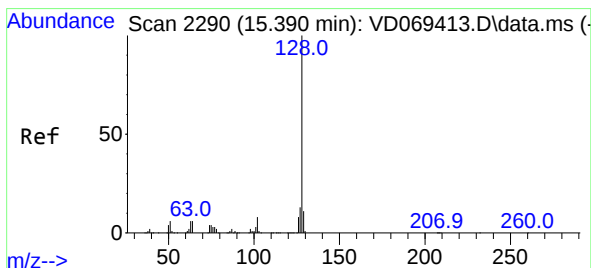
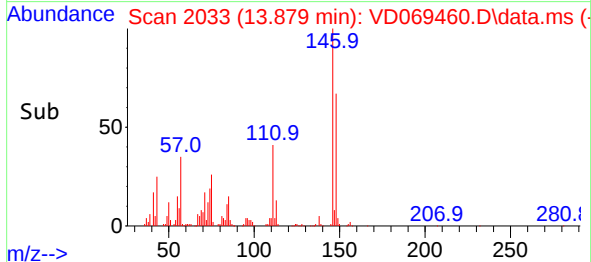
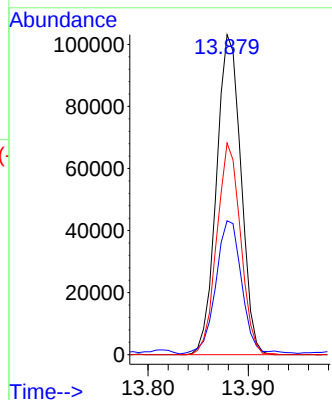
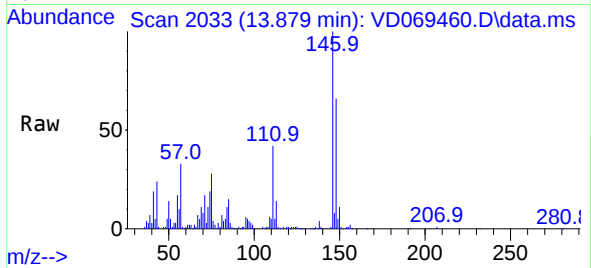




#91
1,2-Dichlorobenzene
Concen: 153.471 ug/l
RT: 13.879 min Scan# 2033
Delta R.T. -0.006 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Instrument :
MSVOA_D
ClientSampleId :
WC-1ARE

Tgt Ion:146 Resp: 174644
Ion Ratio Lower Upper
146 100
111 44.1 20.5 61.6
148 64.3 32.1 96.3



#95
Naphthalene
Concen: 11.203 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069460.D
Acq: 16 Jun 2021 12:04

Tgt Ion:128 Resp: 10521
Ion Ratio Lower Upper
128 100
127 18.0 10.4 15.6#
129 15.2 8.8 13.2#

