

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
 Data File : VD068716.D
 Acq On : 29 Mar 2021 23:40
 Operator : VA/SY
 Sample : M1836-07
 Misc : 10.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B3-19-21

Quant Time: Mar 30 01:10:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

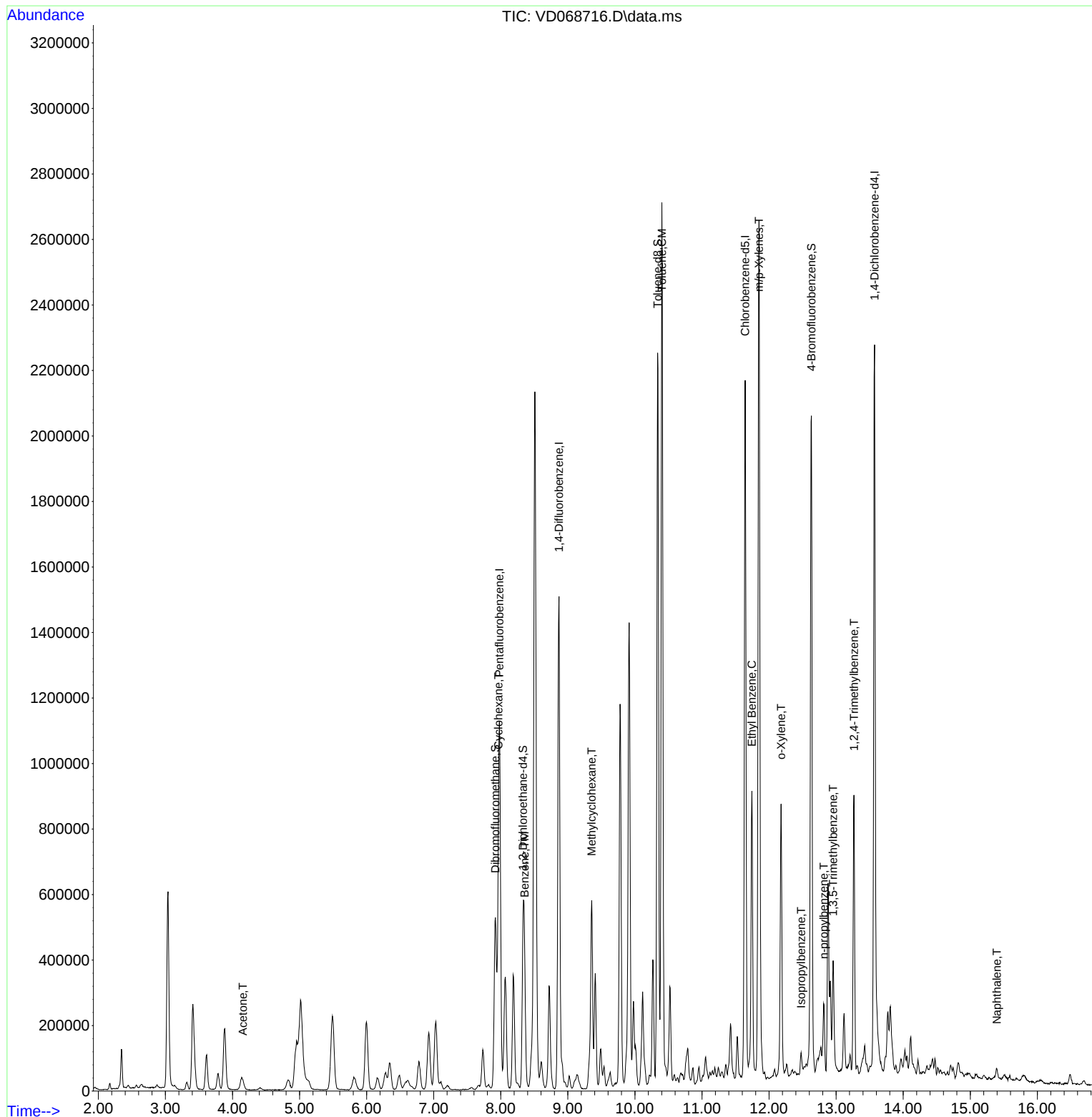
Internal Standards						
1) Pentafluorobenzene	7.979	168	732348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1278564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	1275010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	620504	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	336125	45.52	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.04%		
35) Dibromofluoromethane	7.920	113	382575	48.09	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.18%		
50) Toluene-d8	10.338	98	1558350	50.81	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.62%		
62) 4-Bromofluorobenzene	12.632	95	591402	59.47	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	118.94%		
Target Compounds					Qvalue	
16) Acetone	4.156	43	27284	30.45	ug/l #	65
31) Cyclohexane	7.967	56	119872	10.06	ug/l #	78
39) Methylcyclohexane	9.355	83	121645	8.63	ug/l #	79
40) Benzene	8.355	78	343527	10.31	ug/l	97
52) Toluene	10.402	92	1207359	57.26	ug/l	99
67) Ethyl Benzene	11.743	91	644772	14.73	ug/l	99
68) m/p-Xylenes	11.849	106	842234	49.38	ug/l	99
69) o-Xylene	12.179	106	241699	15.29	ug/l	96
73) Isopropylbenzene	12.479	105	49811	1.17	ug/l	99
78) n-propylbenzene	12.814	91	163144	3.21	ug/l	96
80) 1,3,5-Trimethylbenzene	12.955	105	162178	4.70	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	496635	13.94	ug/l	99
95) Naphthalene	15.396	128	35036	1.82	ug/l #	96

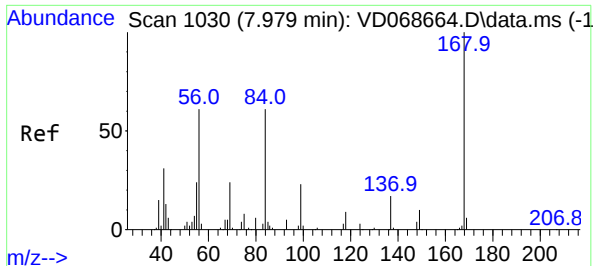
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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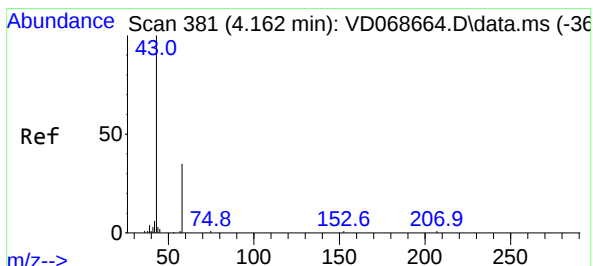
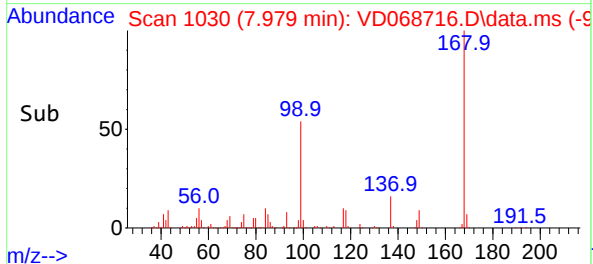
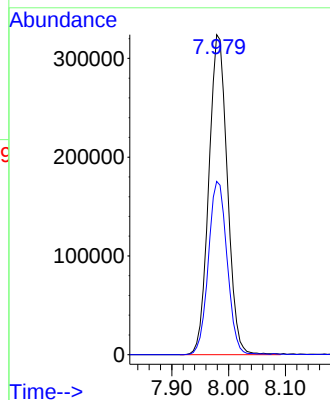
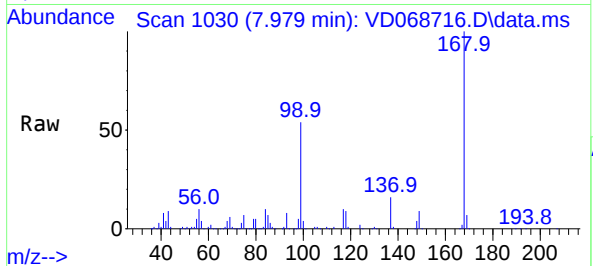




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

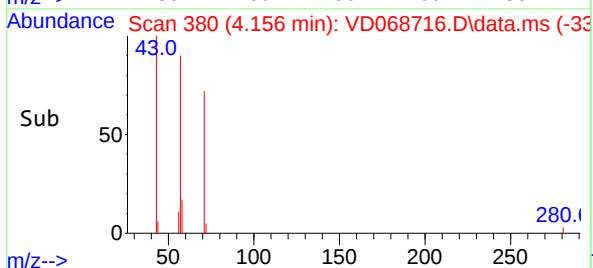
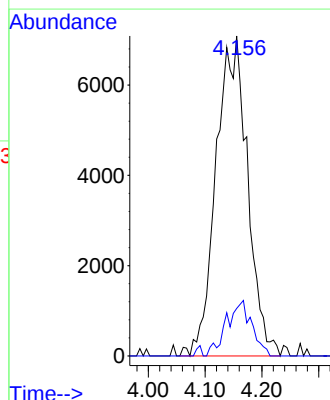
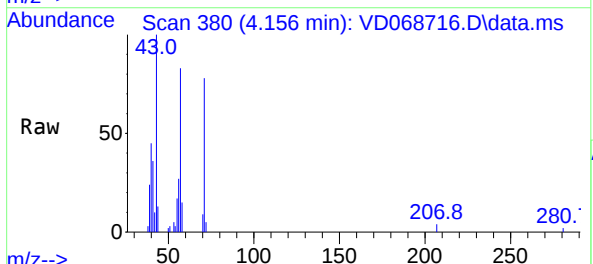
Instrument :
MSVOA_D
ClientSampleId :
B3-19-21

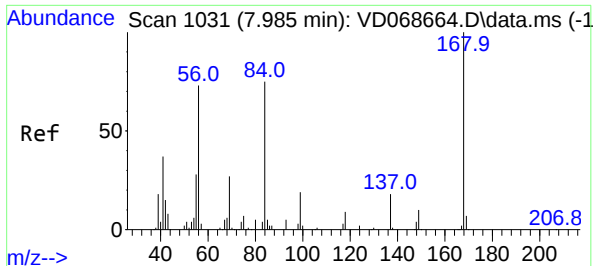
Tgt Ion:168 Resp: 732348
Ion Ratio Lower Upper
168 100
99 54.1 46.2 69.2



#16
Acetone
Concen: 30.45 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

Tgt Ion: 43 Resp: 27284
Ion Ratio Lower Upper
43 100
58 14.8 28.0 42.0#





#31

Cyclohexane

Concen: 10.06 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.018 min

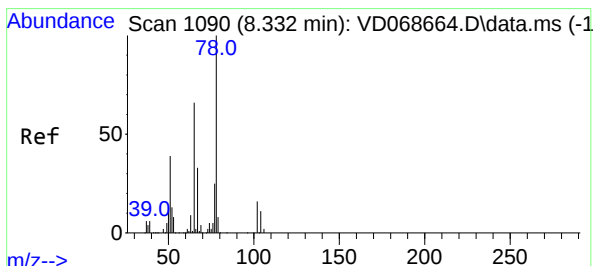
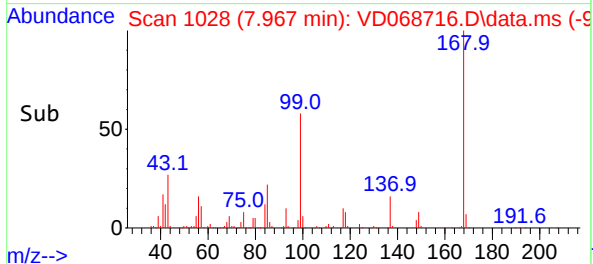
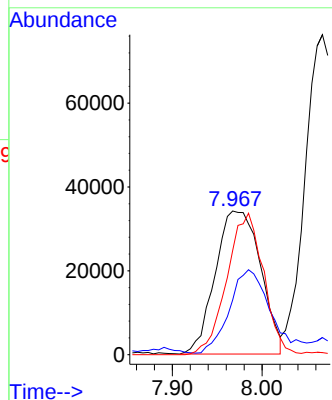
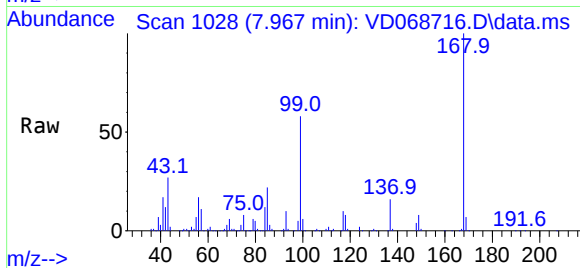
Lab File: VD068716.D

Acq: 29 Mar 2021 23:40

Instrument :
MSVOA_D
ClientSampled :
B3-19-21

Tgt Ion: 56 Resp: 119872

Ion	Ratio	Lower	Upper
56	100		
69	35.5	30.0	45.0
84	72.8	82.0	123.0



#33

1,2-Dichloroethane-d4

Concen: 45.52 ug/l

RT: 8.332 min Scan# 1090

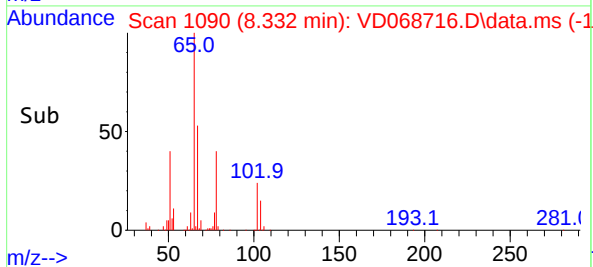
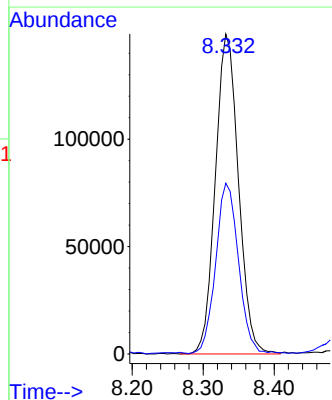
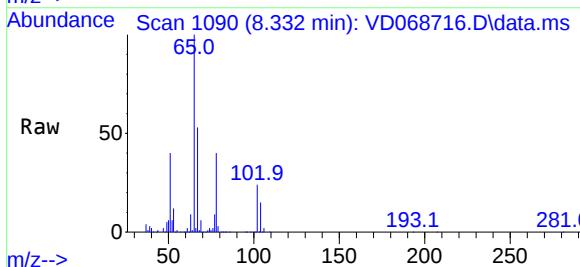
Delta R.T. -0.000 min

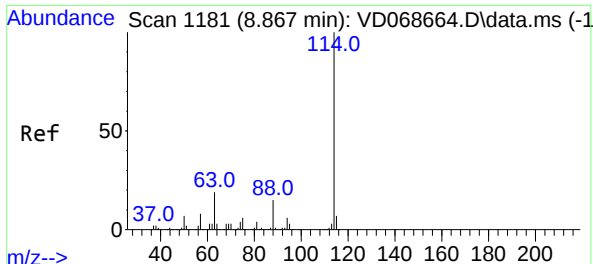
Lab File: VD068716.D

Acq: 29 Mar 2021 23:40

Tgt Ion: 65 Resp: 336125

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.0



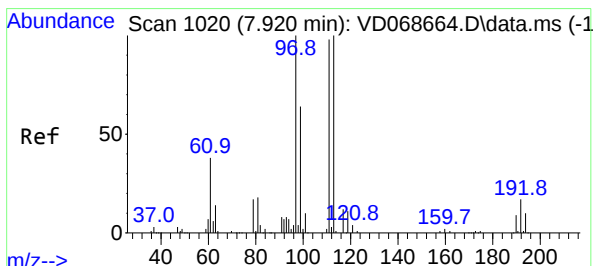
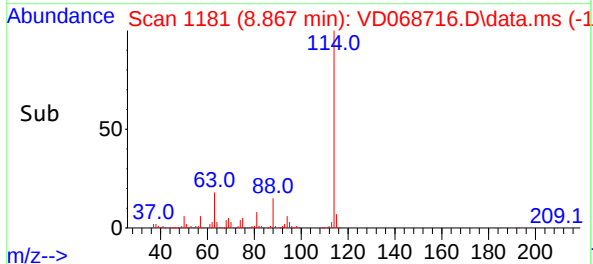
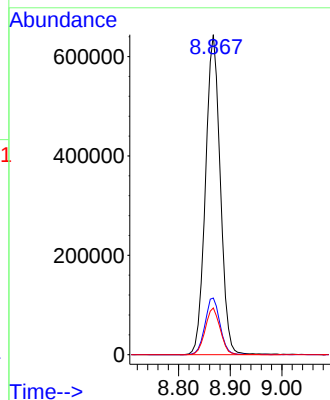
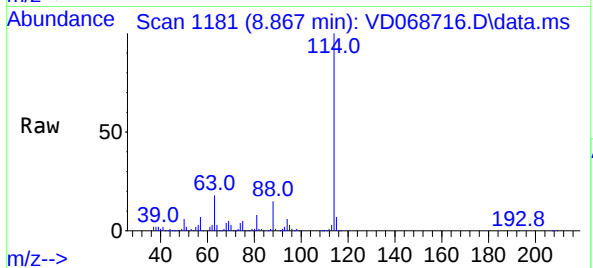


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

Instrument :
MSVOA_D
ClientSampleId :
B3-19-21

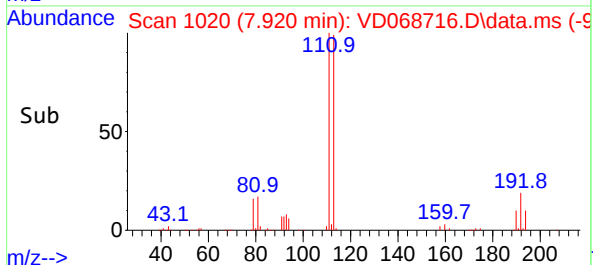
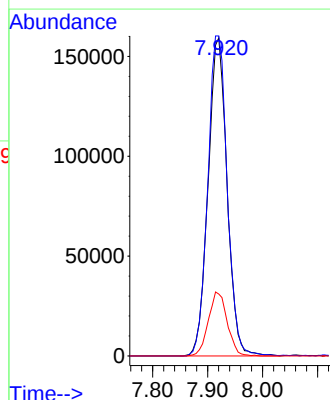
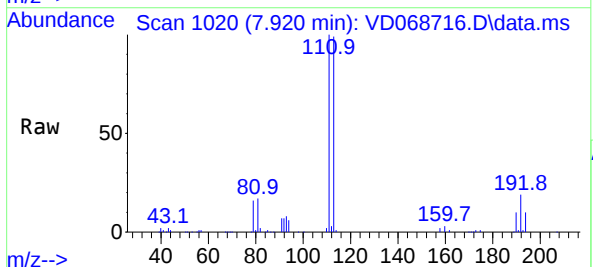
Tgt Ion:114 Resp: 1278564
Ion Ratio Lower Upper
114 100
63 17.7 0.0 38.2
88 14.6 0.0 29.4

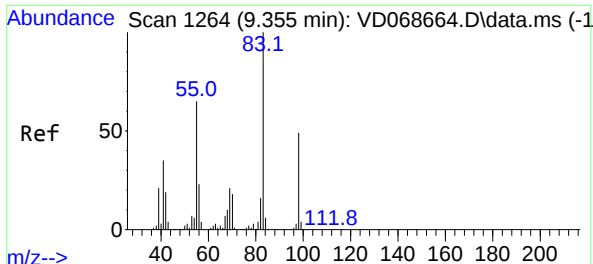


#35

Dibromofluoromethane
Concen: 48.09 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

Tgt Ion:113 Resp: 382575
Ion Ratio Lower Upper
113 100
111 103.0 82.5 123.7
192 19.9 15.1 22.7





#39

Methylcyclohexane

Concen: 8.63 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. -0.000 min

Lab File: VD068716.D

Acq: 29 Mar 2021 23:40

Tgt Ion: 83 Resp: 121645

Ion Ratio Lower Upper

83 100

55 91.3 51.7 77.5#

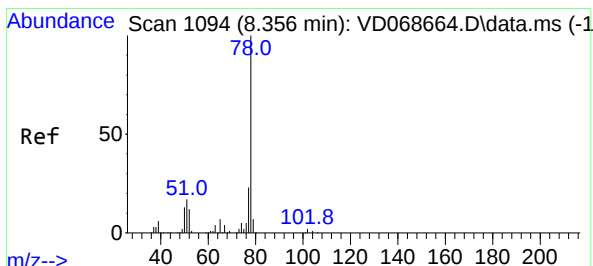
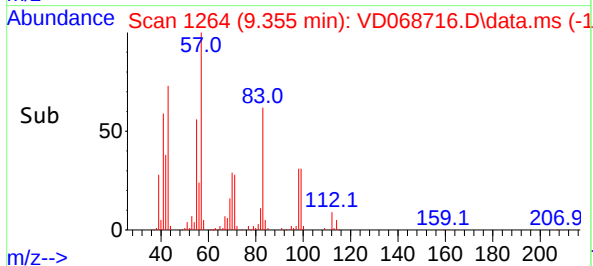
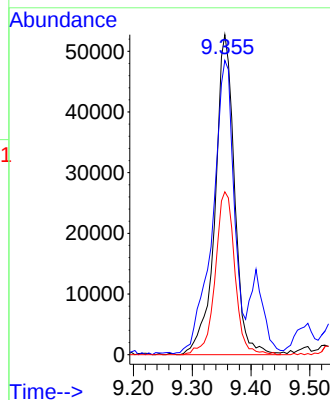
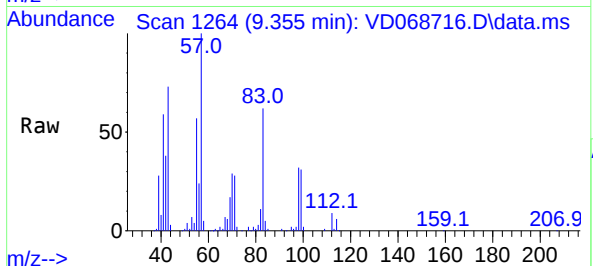
98 50.9 38.8 58.2

Instrument :

MSVOA_D

ClientSampleId :

B3-19-21



#40

Benzene

Concen: 10.31 ug/l

RT: 8.355 min Scan# 1094

Delta R.T. -0.000 min

Lab File: VD068716.D

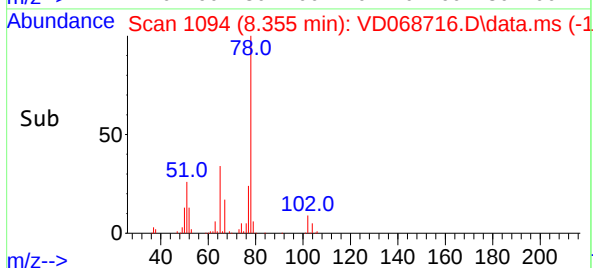
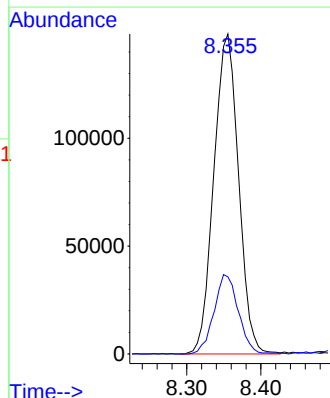
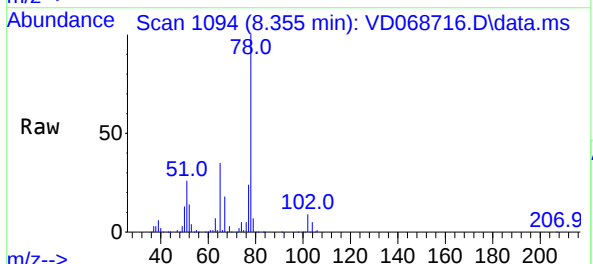
Acq: 29 Mar 2021 23:40

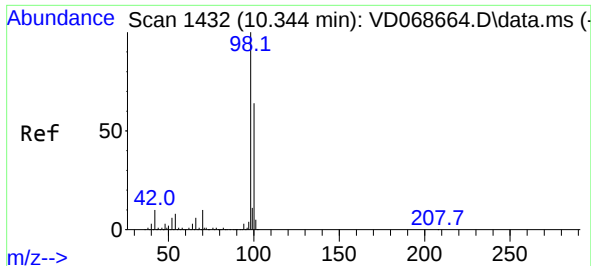
Tgt Ion: 78 Resp: 343527

Ion Ratio Lower Upper

78 100

77 24.1 18.2 27.2

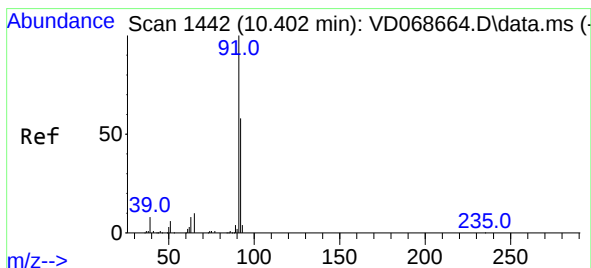
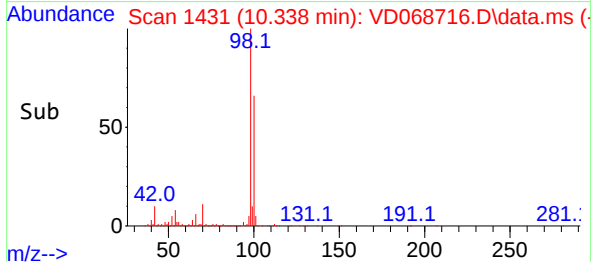
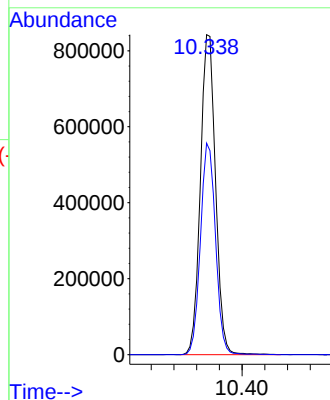
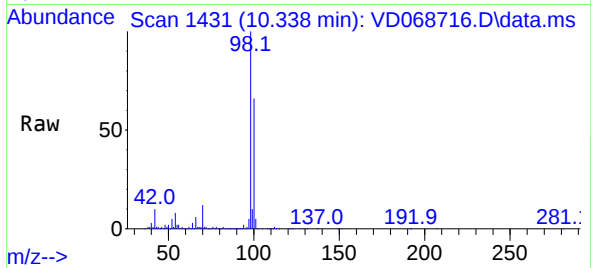




#50
Toluene-d8
Concen: 50.81 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

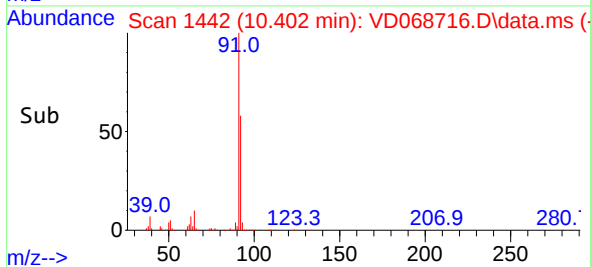
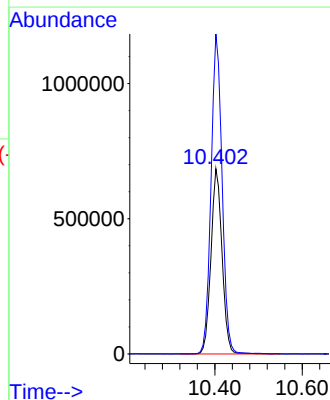
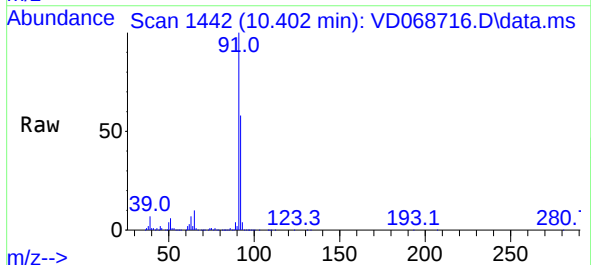
Instrument :
MSVOA_D
ClientSampleId :
B3-19-21

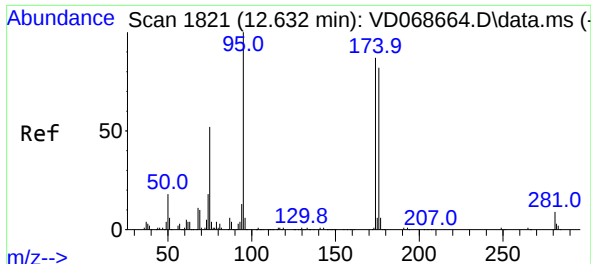
Tgt Ion: 98 Resp: 1558350
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#52
Toluene
Concen: 57.26 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

Tgt Ion: 92 Resp: 1207359
Ion Ratio Lower Upper
92 100
91 172.0 139.1 208.7

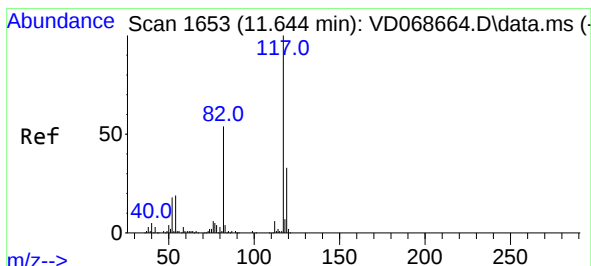
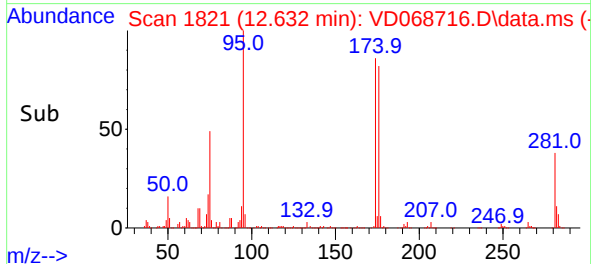
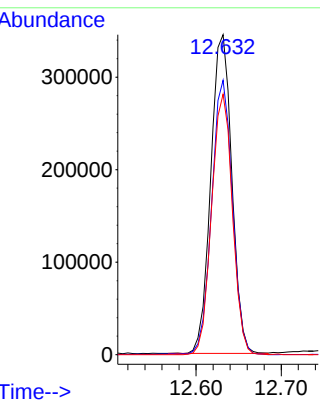
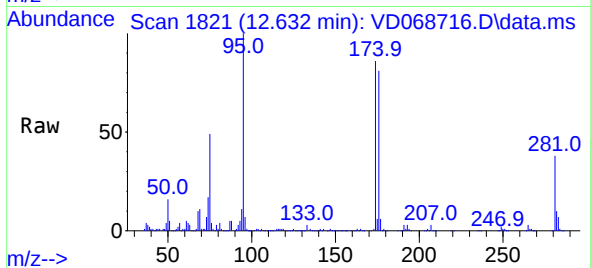




#62
4-Bromofluorobenzene
Concen: 59.47 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

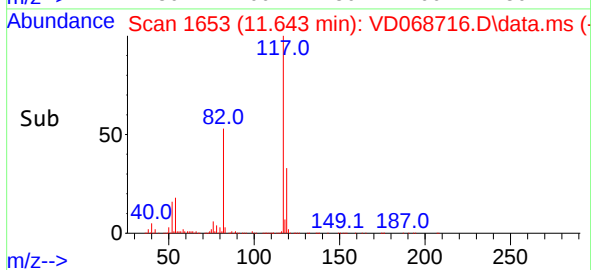
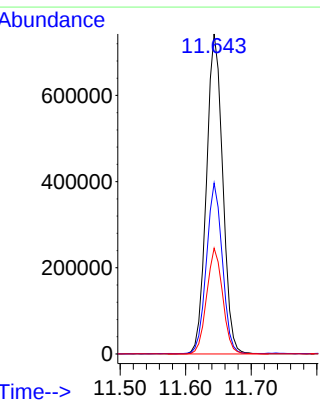
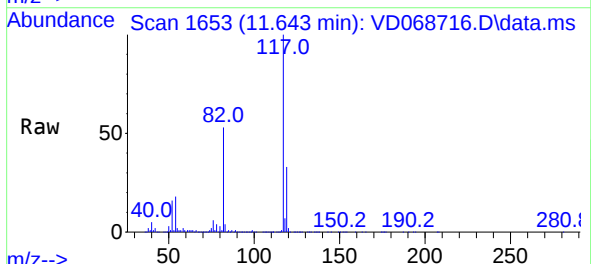
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MSVOA_D
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B3-19-21

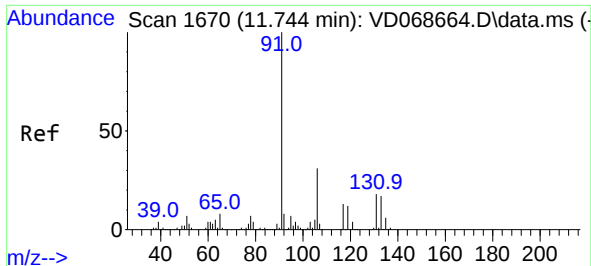
Tgt Ion: 95 Resp: 591402
Ion Ratio Lower Upper
95 100
174 85.0 0.0 168.0
176 80.7 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

Tgt Ion: 117 Resp: 1275010
Ion Ratio Lower Upper
117 100
82 53.3 43.5 65.3
119 33.0 26.7 40.1

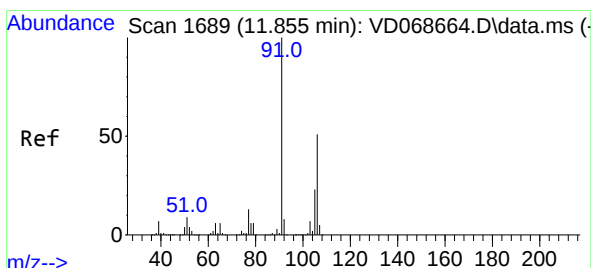
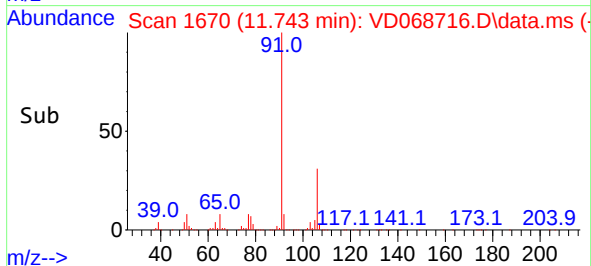
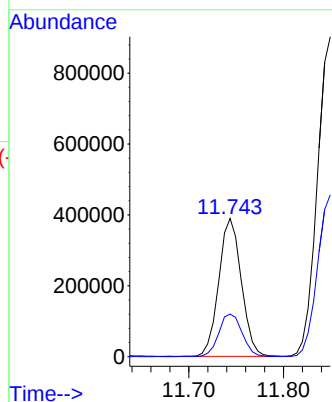
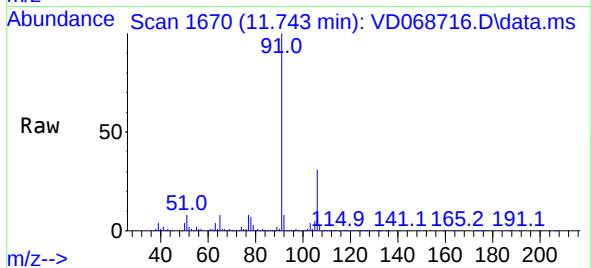




#67
Ethyl Benzene
Concen: 14.73 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

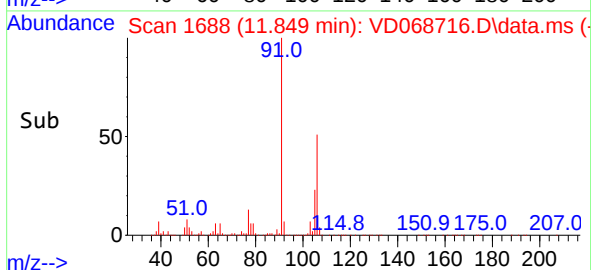
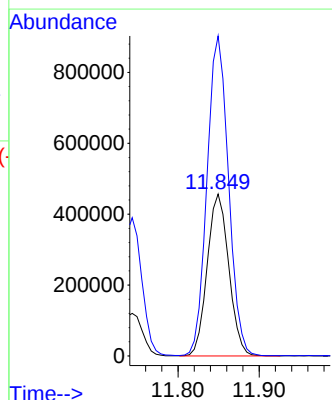
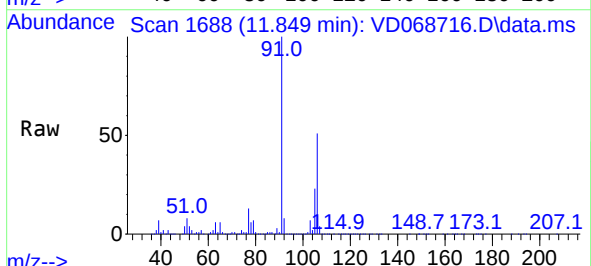
Instrument :
MSVOA_D
ClientSampleId :
B3-19-21

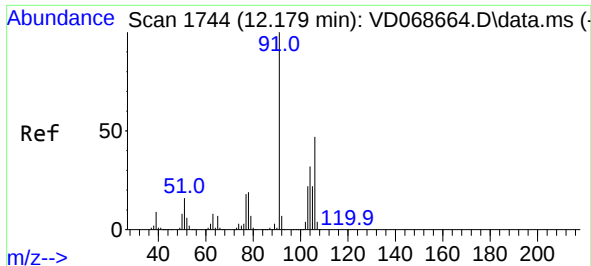
Tgt Ion: 91 Resp: 644772
Ion Ratio Lower Upper
91 100
106 30.8 25.1 37.7



#68
m/p-Xylenes
Concen: 49.38 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

Tgt Ion:106 Resp: 842234
Ion Ratio Lower Upper
106 100
91 196.6 158.6 238.0

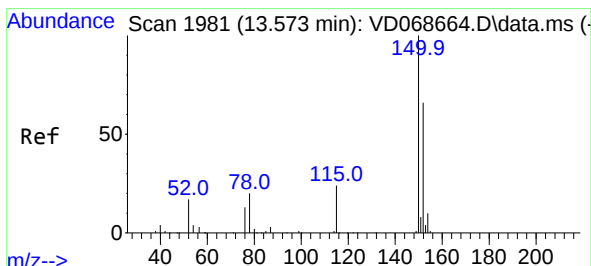
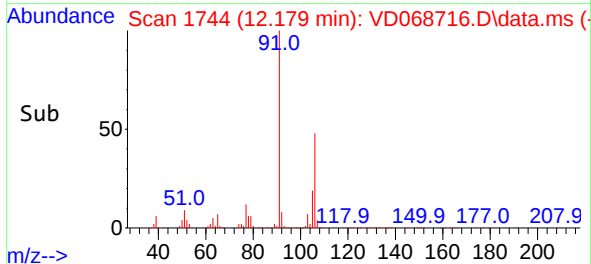
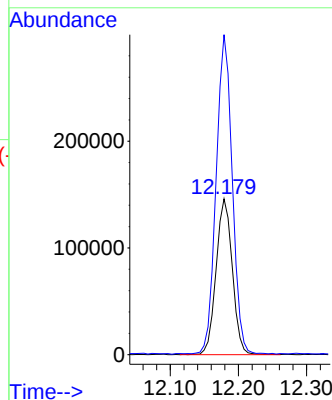
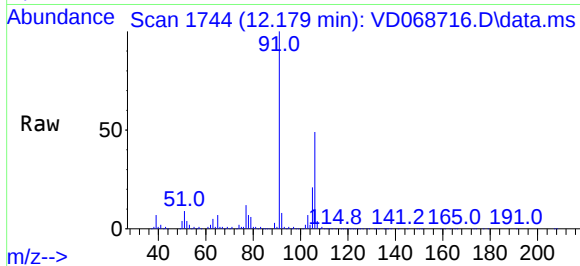




#69
o-Xylene
Concen: 15.29 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

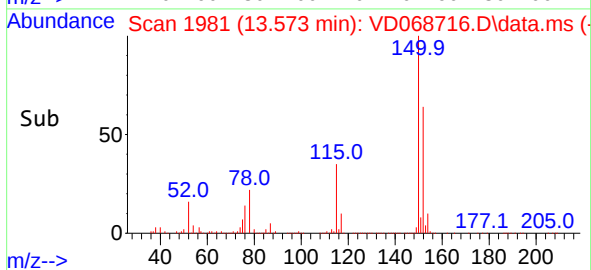
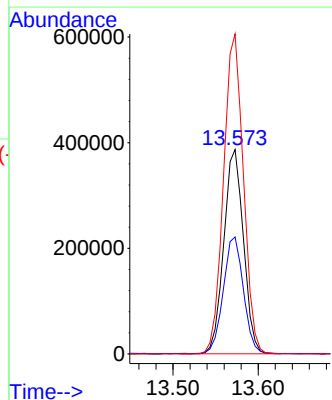
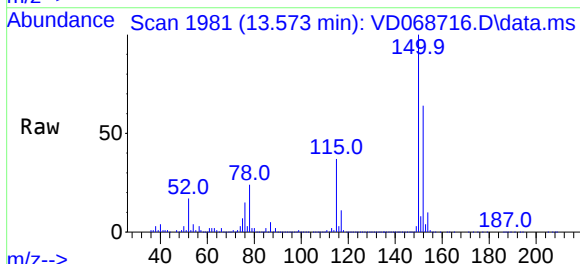
Instrument :
MSVOA_D
ClientSampleId :
B3-19-21

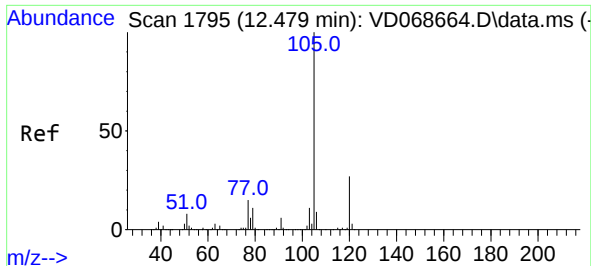
Tgt Ion:106 Resp: 241699
Ion Ratio Lower Upper
106 100
91 204.1 105.0 315.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

Tgt Ion:152 Resp: 620504
Ion Ratio Lower Upper
152 100
115 58.6 29.3 87.8
150 157.9 0.0 347.6

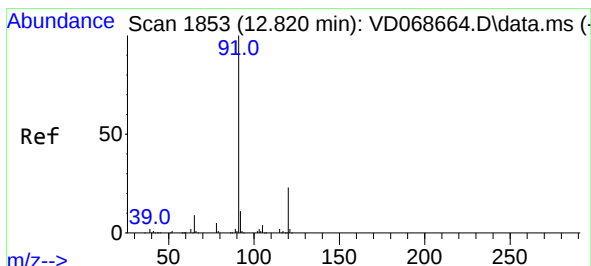
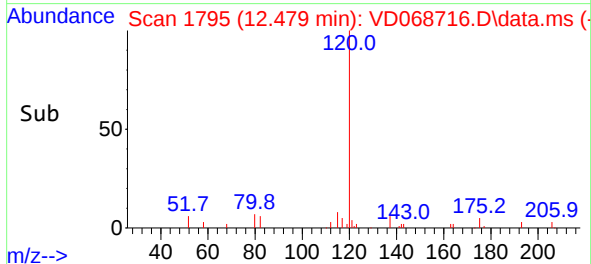
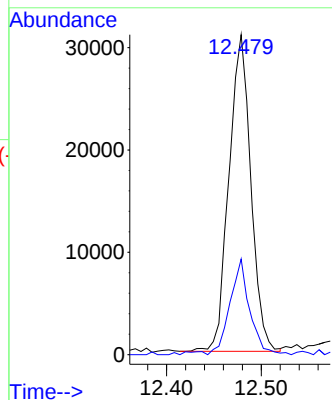
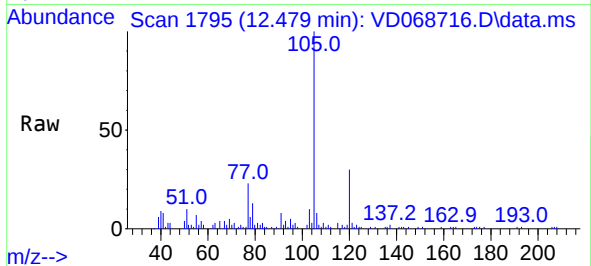




#73
Isopropylbenzene
Concen: 1.17 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

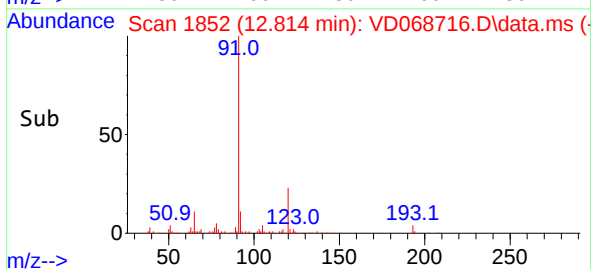
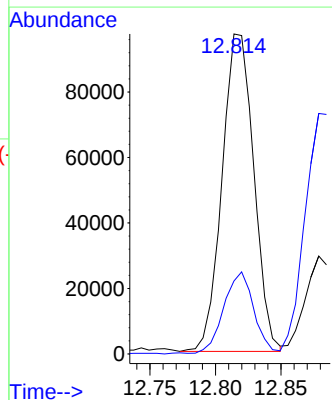
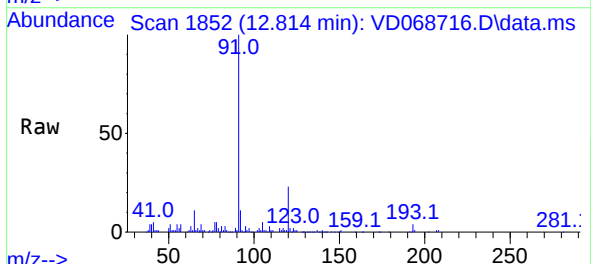
Instrument :
MSVOA_D
ClientSampleId :
B3-19-21

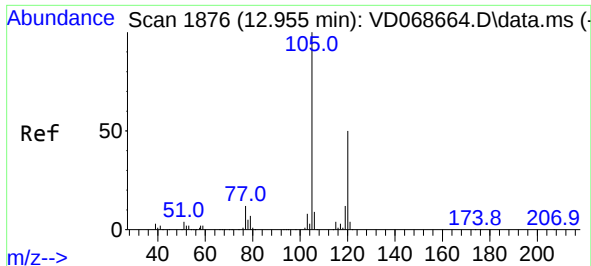
Tgt Ion:105 Resp: 49811
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.2



#78
n-propylbenzene
Concen: 3.21 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

Tgt Ion: 91 Resp: 163144
Ion Ratio Lower Upper
91 100
120 24.8 11.4 34.2

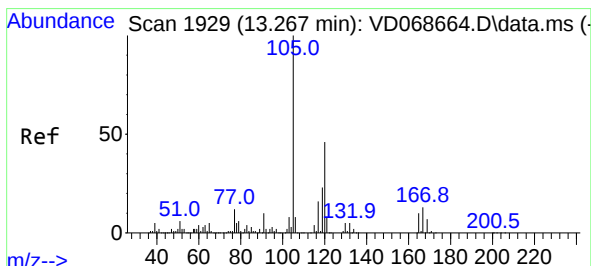
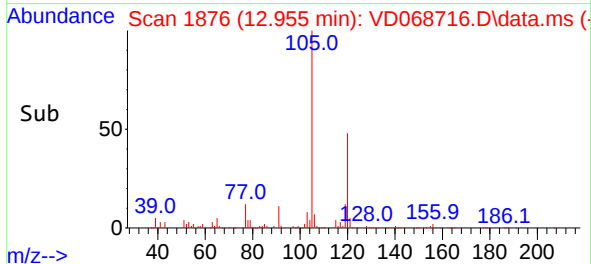
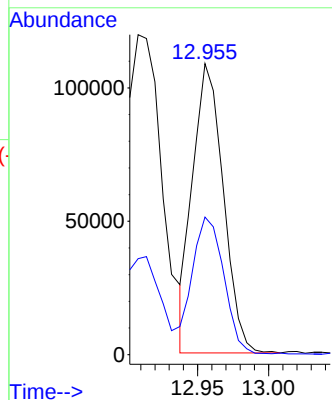
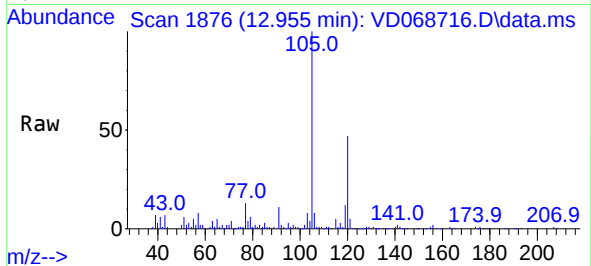




#80
1,3,5-Trimethylbenzene
Concen: 4.70 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

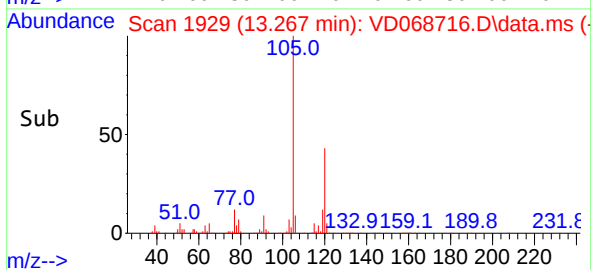
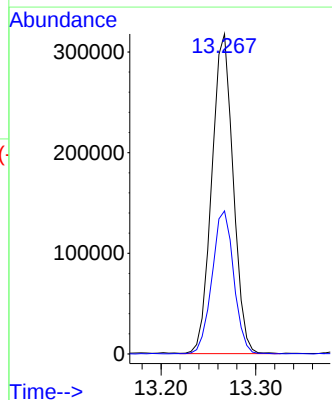
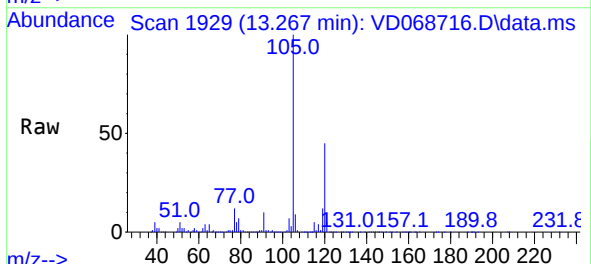
Instrument :
MSVOA_D
ClientSampleId :
B3-19-21

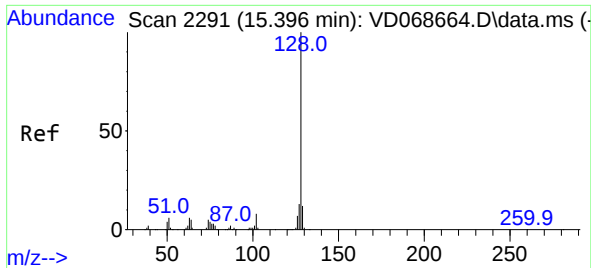
Tgt Ion:105 Resp: 162178
Ion Ratio Lower Upper
105 100
120 50.1 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 13.94 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.000 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

Tgt Ion:105 Resp: 496635
Ion Ratio Lower Upper
105 100
120 45.5 22.6 67.7





#95
Naphthalene
Concen: 1.82 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.000 min
Lab File: VD068716.D
Acq: 29 Mar 2021 23:40

Instrument :
MSVOA_D
ClientSampleId :
B3-19-21

Tgt Ion:128 Resp: 35036
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 13.7 8.9 13.3#

