

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033021\
 Data File : VD068726.D
 Acq On : 30 Mar 2021 14:06
 Operator : VA/SY
 Sample : M1836-02RE
 Misc : 9.73G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B1-10-12RE

Quant Time: Mar 31 01:01:25 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)

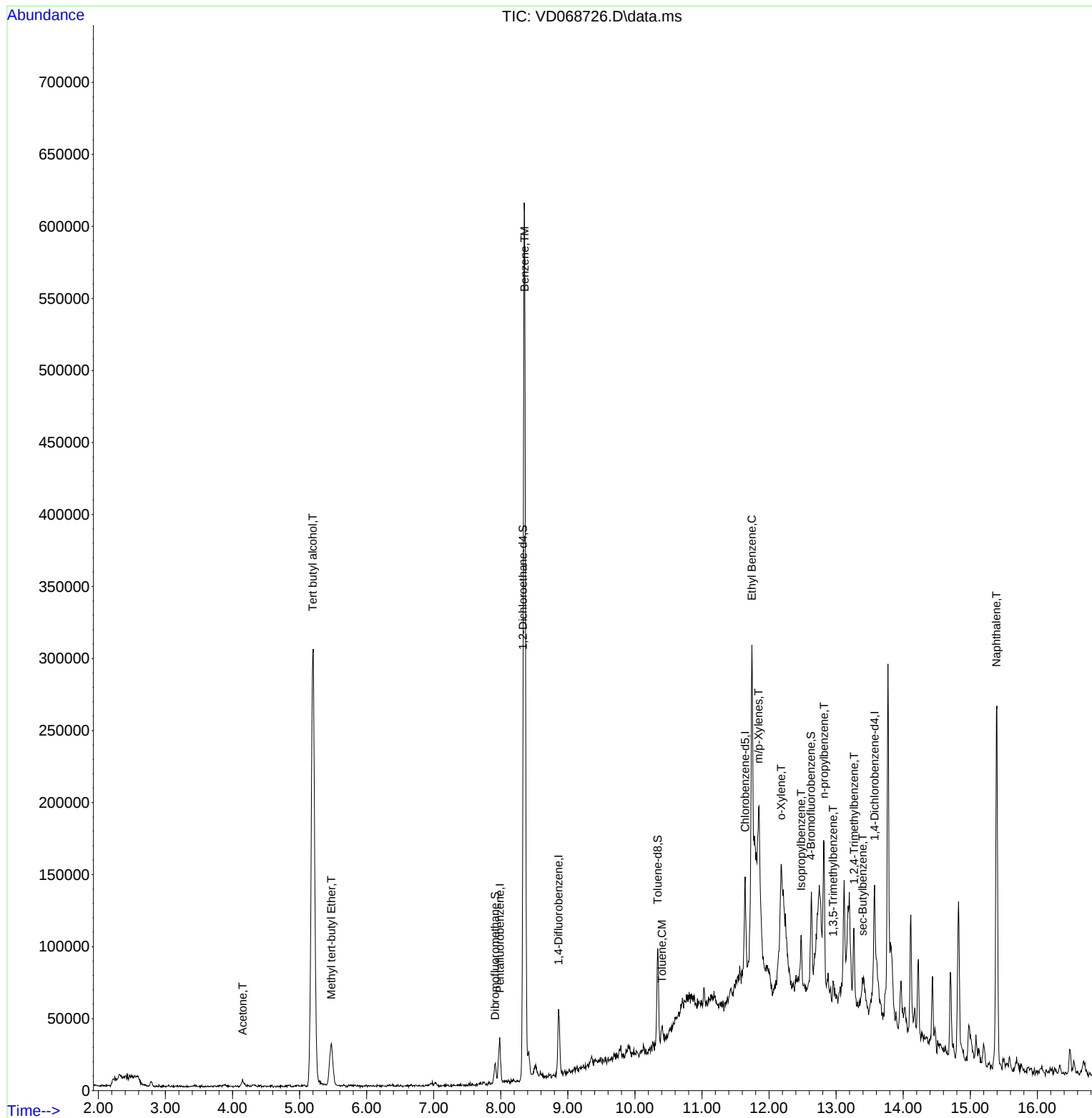
Internal Standards						
1) Pentafluorobenzene	7.985	168	20948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	39887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	41166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	20640	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	13598	64.38	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.76%			
35) Dibromofluoromethane	7.914	113	9634	38.82	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 77.64%			
50) Toluene-d8	10.338	98	49239	51.46	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.92%			
62) 4-Bromofluorobenzene	12.626	95	20614	66.45	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 132.90%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.197	59	592037	60825.05	ug/l	98
16) Acetone	4.150	43	7016	273.78	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	50410	120.87	ug/l	98
40) Benzene	8.355	78	675488	649.85	ug/l	98
52) Toluene	10.402	92	6387	9.71	ug/l	99
67) Ethyl Benzene	11.743	91	129246	91.45	ug/l	99
68) m/p-Xylenes	11.843	106	19450	35.32	ug/l	100
69) o-Xylene	12.179	106	8992	17.62	ug/l	100
73) Isopropylbenzene	12.479	105	22115	15.59	ug/l	94
78) n-propylbenzene	12.820	91	73663	43.63	ug/l	95
80) 1,3,5-Trimethylbenzene	12.955	105	7797	6.80	ug/l	83
84) 1,2,4-Trimethylbenzene	13.267	105	32486	27.42	ug/l	99
85) sec-Butylbenzene	13.396	105	4556	3.21	ug/l #	51
95) Naphthalene	15.390	128	234467	365.76	ug/l	99

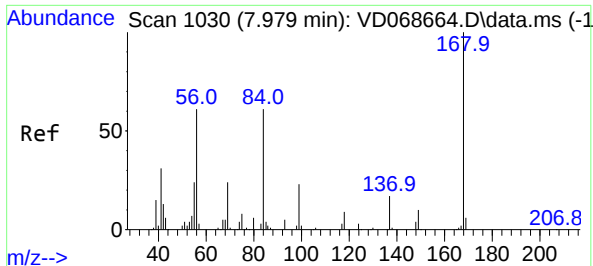
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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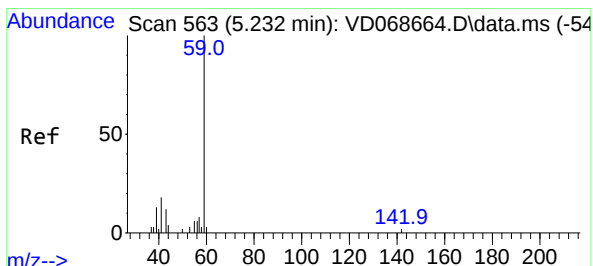
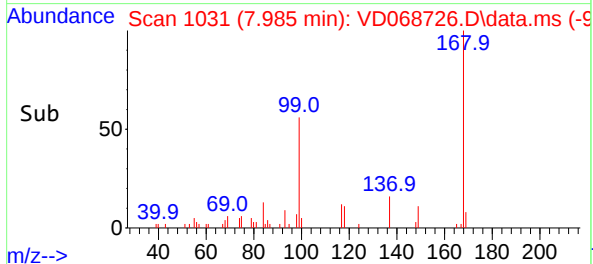
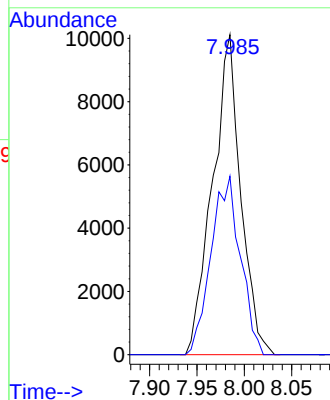
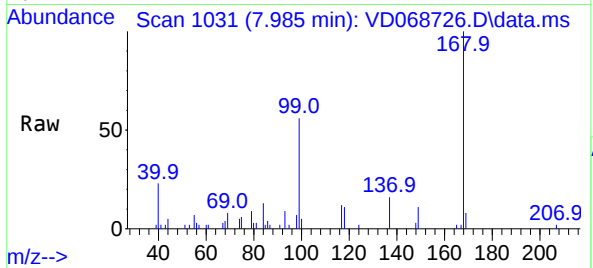




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

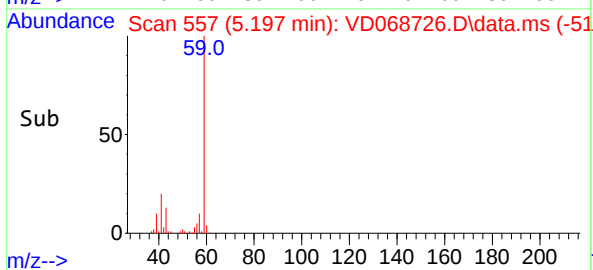
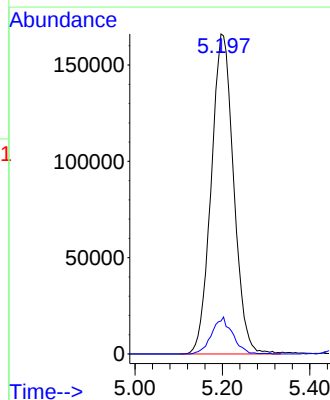
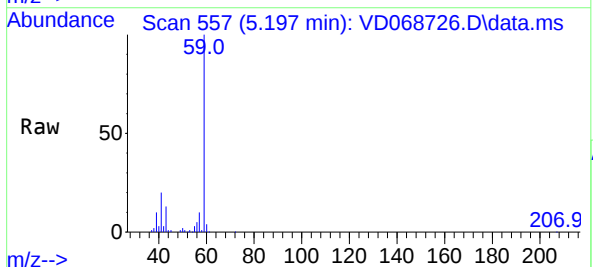
Instrument :
MSVOA_D
ClientSampleId :
B1-10-12RE

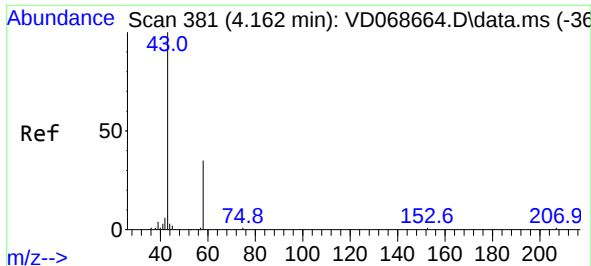
Tgt Ion:168 Resp: 20948
Ion Ratio Lower Upper
168 100
99 55.7 46.2 69.2



#11
Tert butyl alcohol
Concen: 60825.05 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.035 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

Tgt Ion: 59 Resp: 592037
Ion Ratio Lower Upper
59 100
57 10.6 7.8 11.8

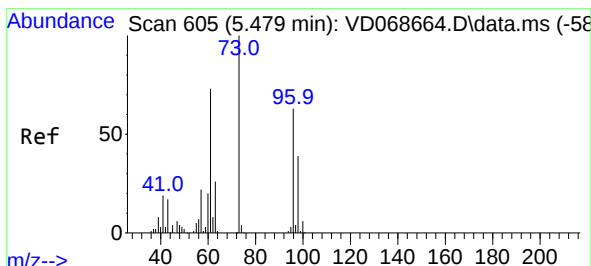
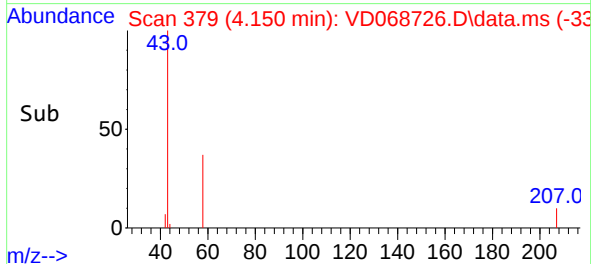
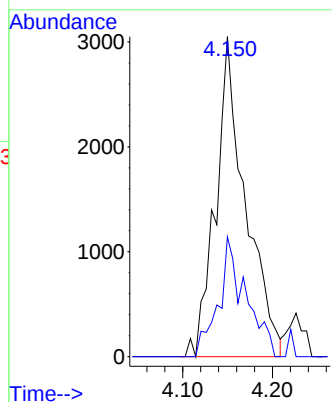
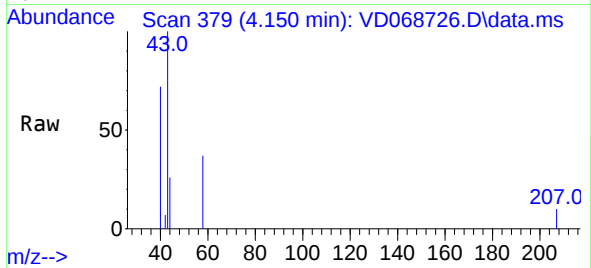




#16
Acetone
Concen: 273.78 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

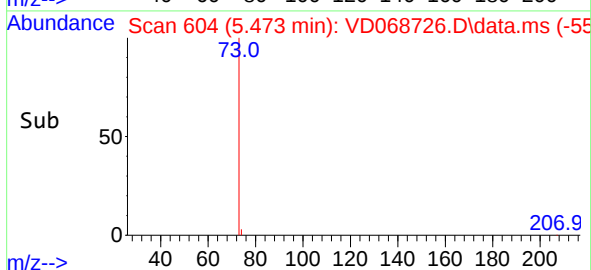
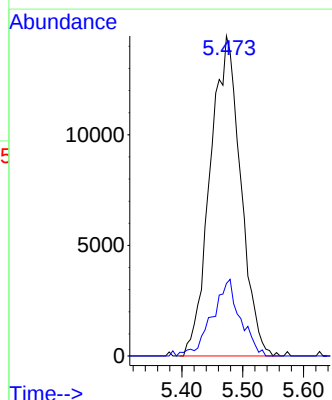
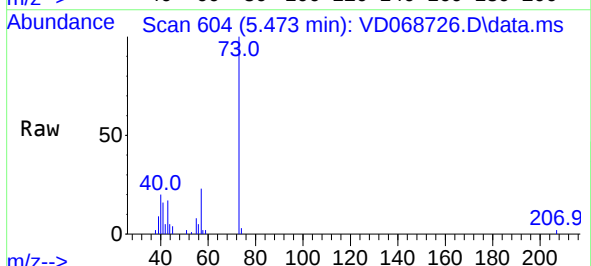
Instrument :
MSVOA_D
ClientSampled :
B1-10-12RE

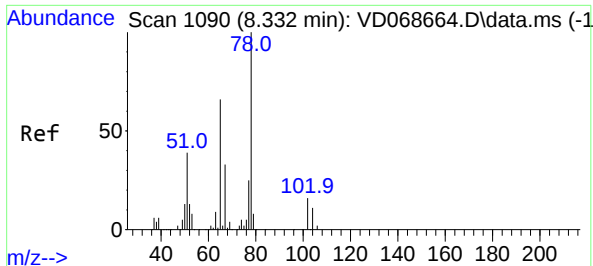
Tgt Ion: 43 Resp: 7016
Ion Ratio Lower Upper
43 100
58 37.5 28.0 42.0



#19
Methyl tert-butyl Ether
Concen: 120.87 ug/l
RT: 5.473 min Scan# 604
Delta R.T. -0.006 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

Tgt Ion: 73 Resp: 50410
Ion Ratio Lower Upper
73 100
57 22.6 17.3 25.9

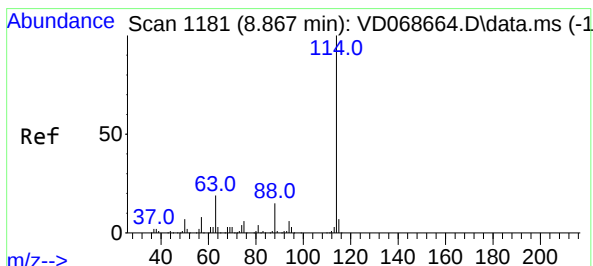
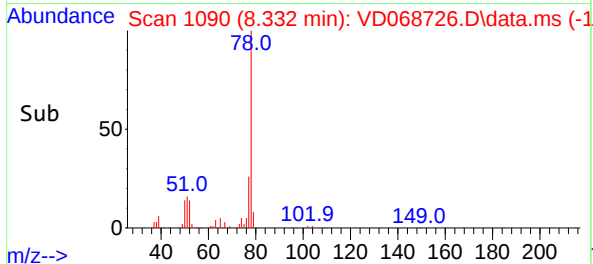
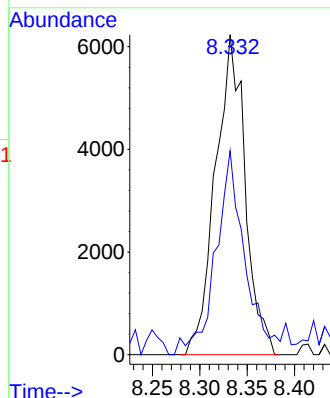
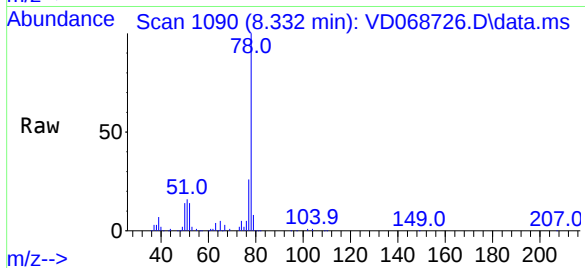




#33
1,2-Dichloroethane-d4
Concen: 64.38 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

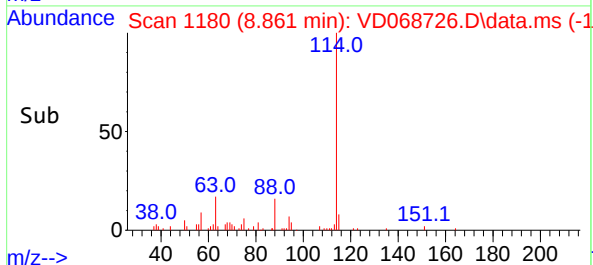
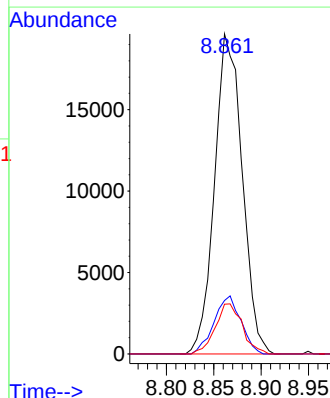
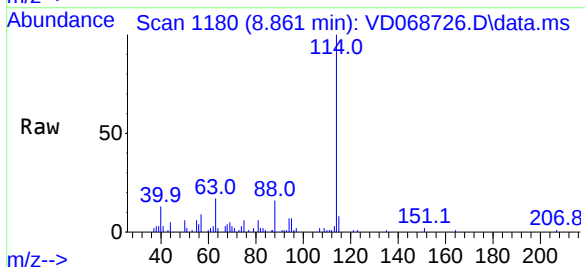
Instrument :
MSVOA_D
ClientSampleId :
B1-10-12RE

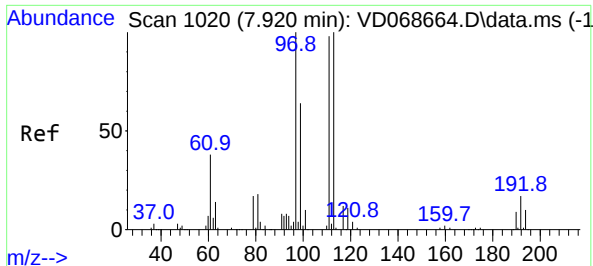
Tgt Ion: 65 Resp: 13598
Ion Ratio Lower Upper
65 100
67 62.2 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

Tgt Ion: 114 Resp: 39887
Ion Ratio Lower Upper
114 100
63 16.7 0.0 38.2
88 15.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 38.82 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

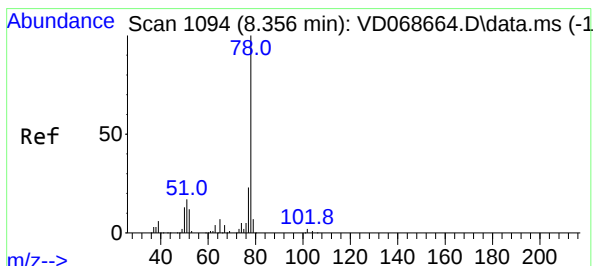
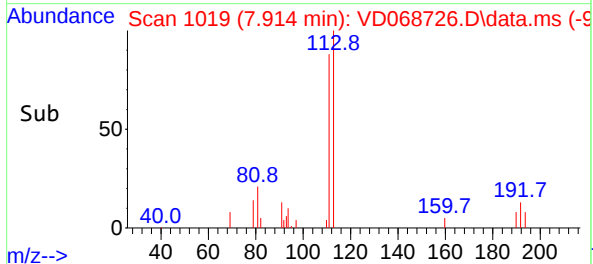
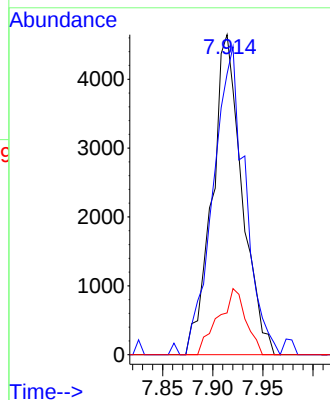
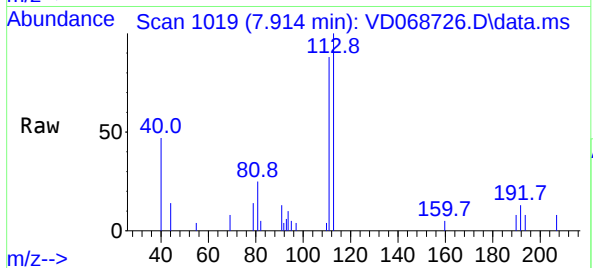
Lab File: VD068726.D

Acq: 30 Mar 2021 14:06

Instrument :
MSVOA_D
ClientSampleId :
B1-10-12RE

Tgt Ion:113 Resp: 9634

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.5	123.7
192	19.0	15.1	22.7



#40

Benzene

Concen: 649.85 ug/l

RT: 8.355 min Scan# 1094

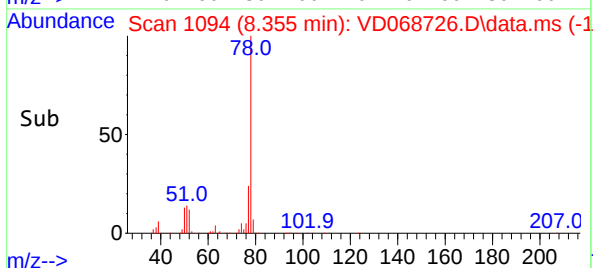
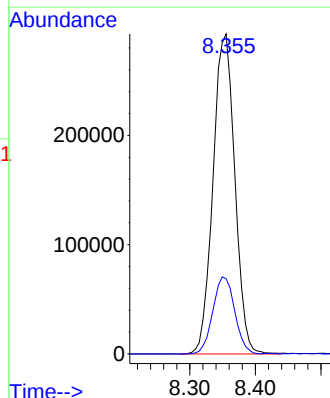
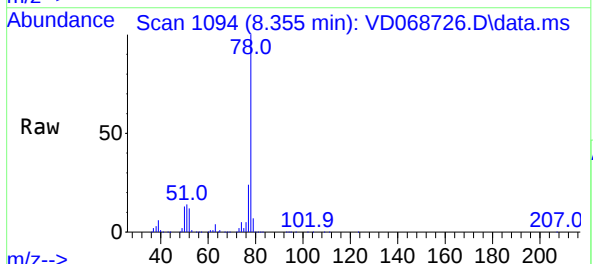
Delta R.T. -0.000 min

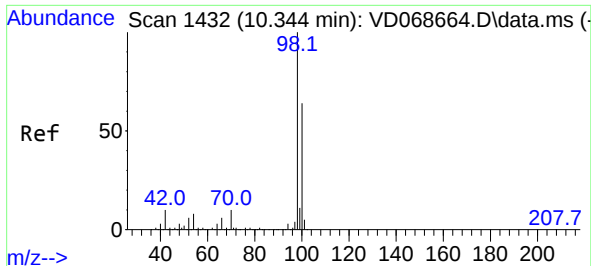
Lab File: VD068726.D

Acq: 30 Mar 2021 14:06

Tgt Ion: 78 Resp: 675488

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.2

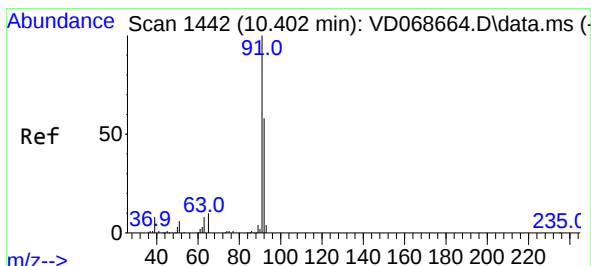
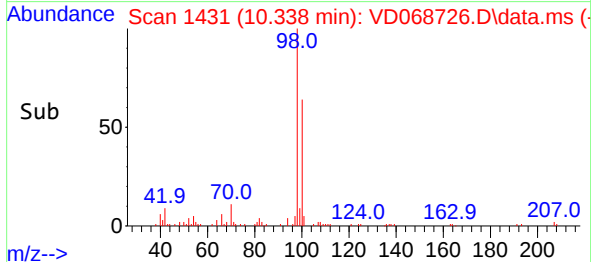
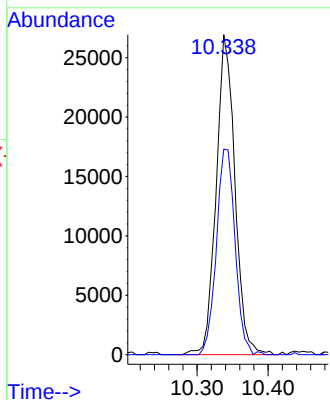
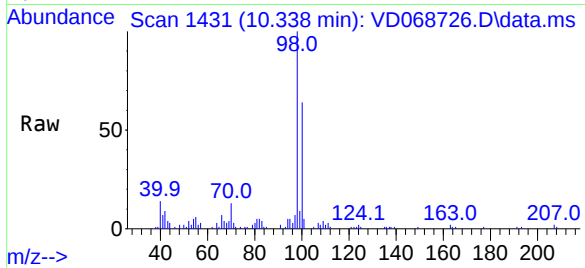




#50
Toluene-d8
Concen: 51.46 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

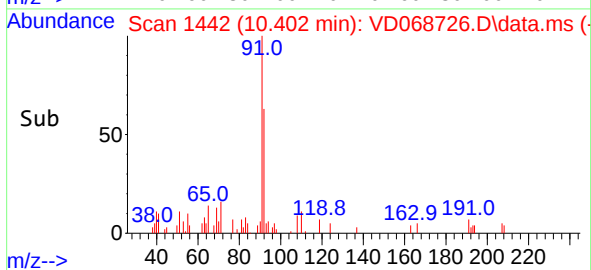
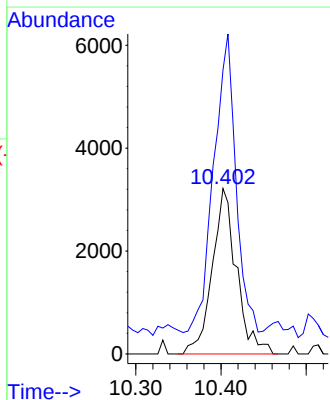
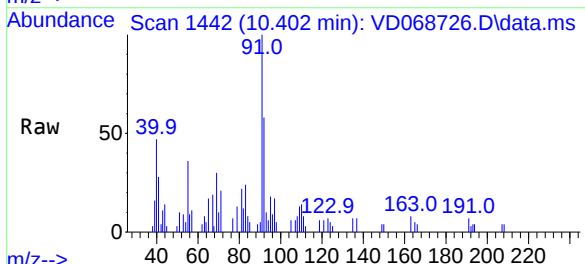
Instrument :
MSVOA_D
ClientSampleId :
B1-10-12RE

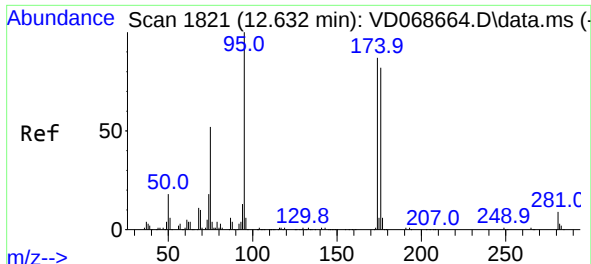
Tgt Ion: 98 Resp: 49239
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6



#52
Toluene
Concen: 9.71 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

Tgt Ion: 92 Resp: 6387
Ion Ratio Lower Upper
92 100
91 175.5 139.1 208.7



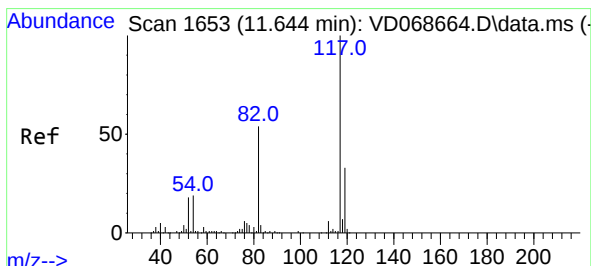
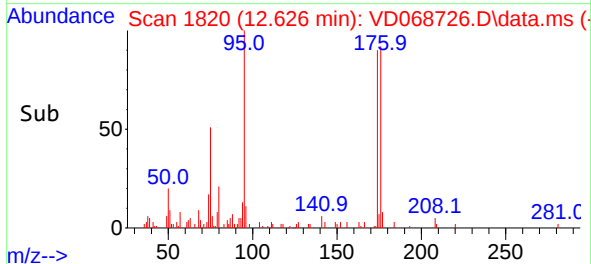
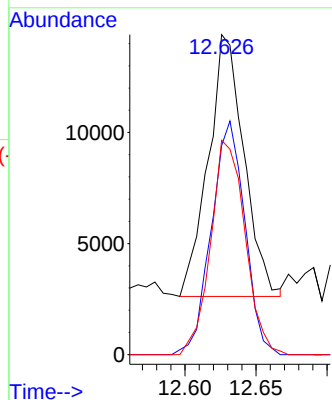
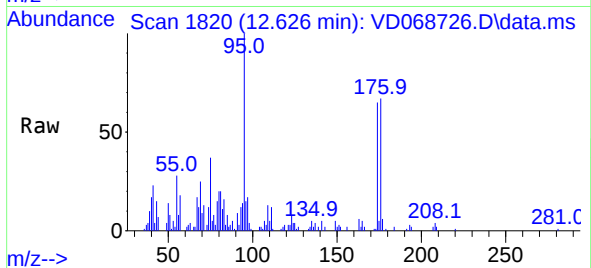


#62
4-Bromofluorobenzene
Concen: 66.45 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

Instrument :
MSVOA_D
ClientSampleId :
B1-10-12RE

Tgt Ion: 95 Resp: 20614

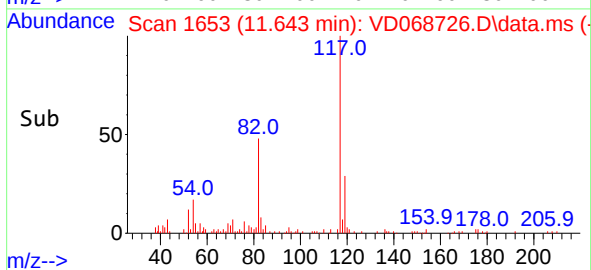
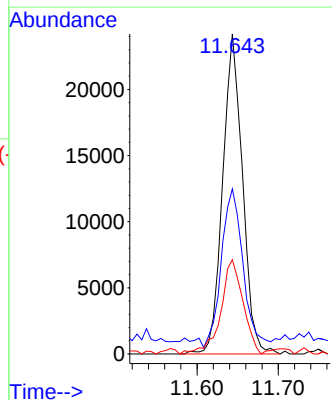
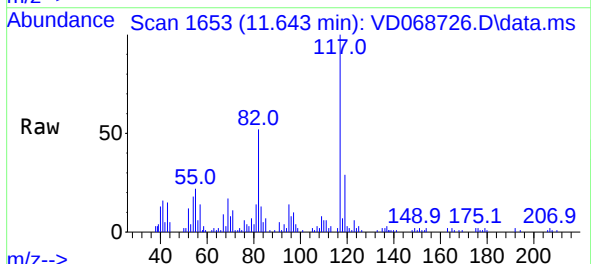
Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	168.0
176	78.9	0.0	160.2

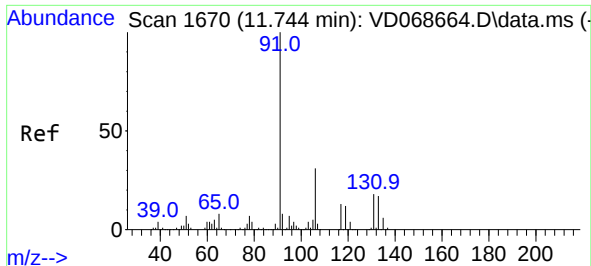


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

Tgt Ion: 117 Resp: 41166

Ion	Ratio	Lower	Upper
117	100		
82	47.7	43.5	65.3
119	29.4	26.7	40.1

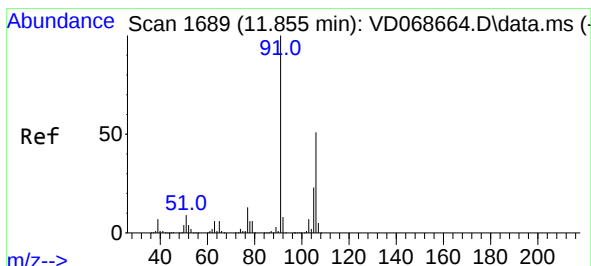
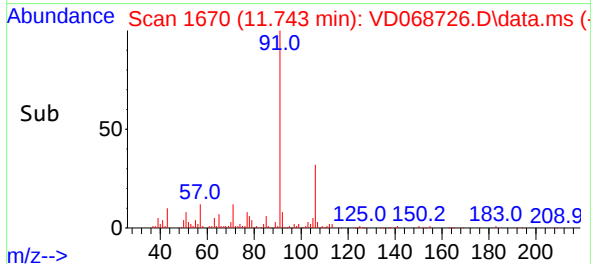
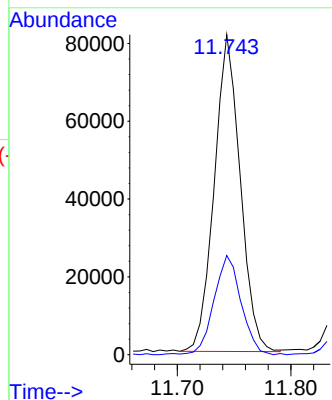
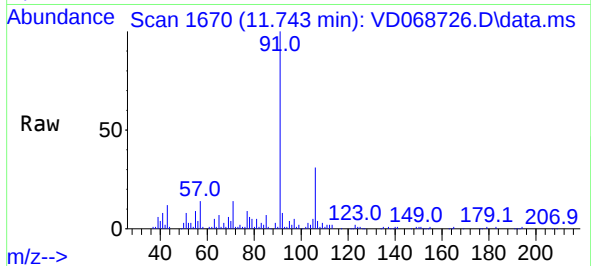




#67
Ethyl Benzene
Concen: 91.45 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

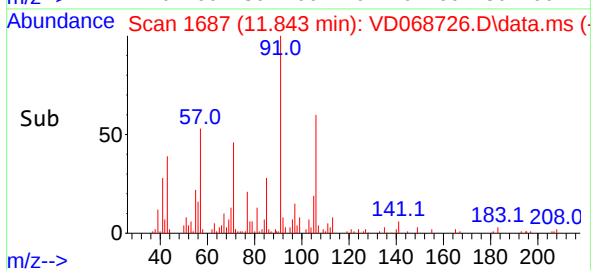
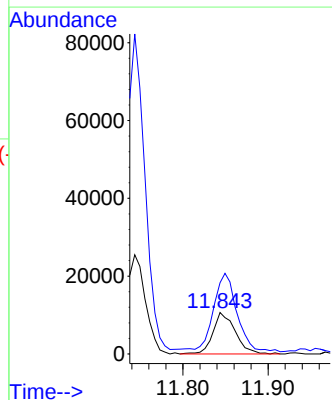
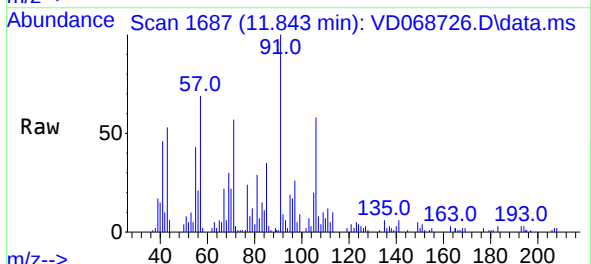
Instrument :
MSVOA_D
ClientSampleId :
B1-10-12RE

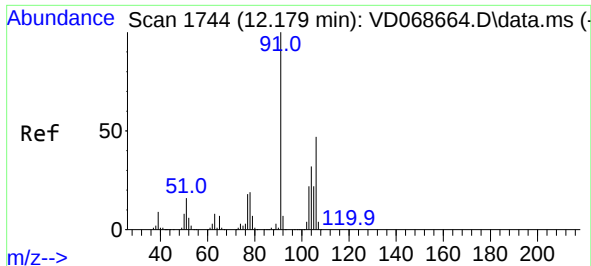
Tgt Ion: 91 Resp: 129246
Ion Ratio Lower Upper
91 100
106 31.1 25.1 37.7



#68
m/p-Xylenes
Concen: 35.32 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.012 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

Tgt Ion: 106 Resp: 19450
Ion Ratio Lower Upper
106 100
91 198.2 158.6 238.0

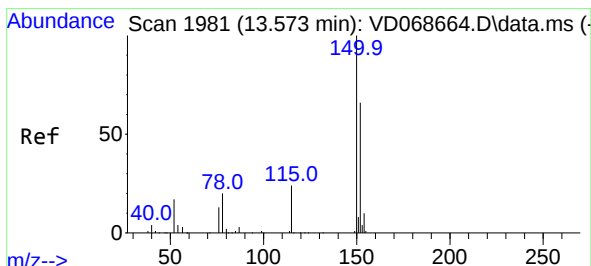
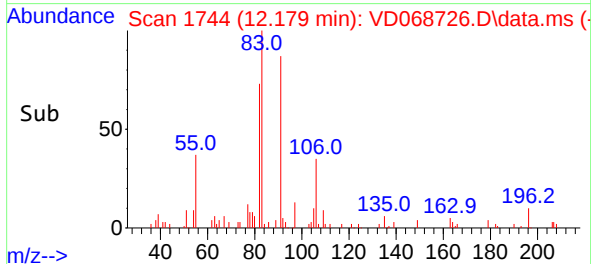
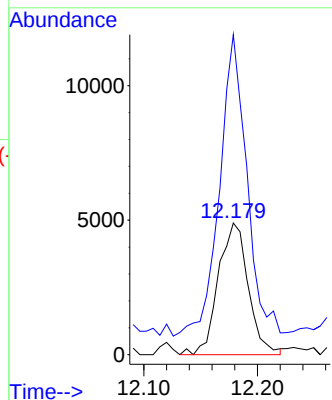
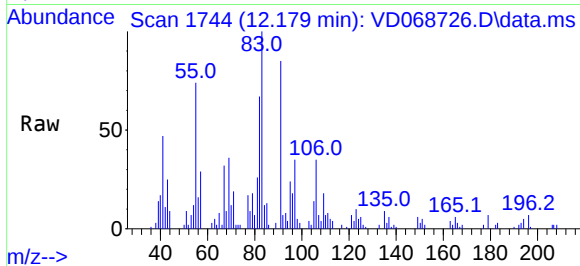




#69
o-Xylene
Concen: 17.62 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

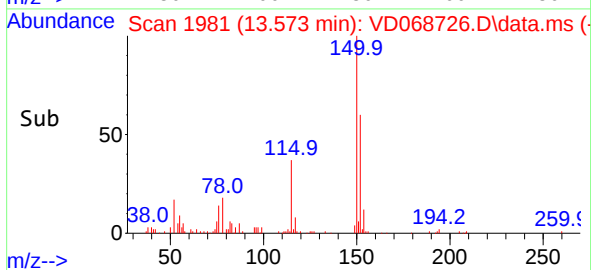
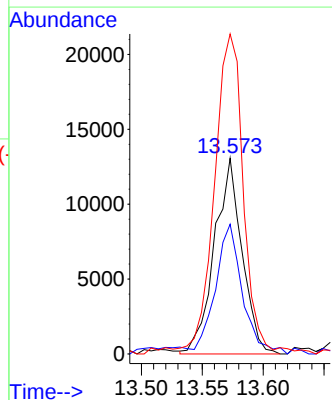
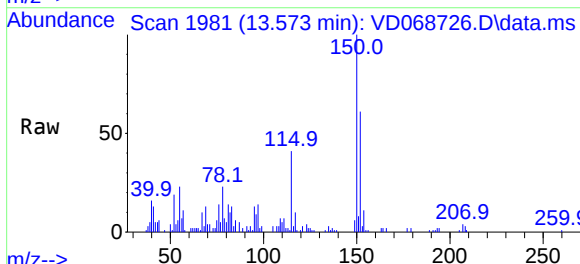
Instrument :
MSVOA_D
ClientSampleId :
B1-10-12RE

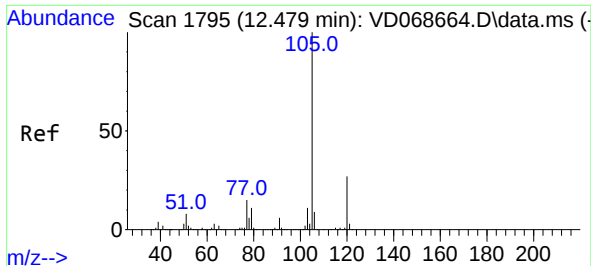
Tgt Ion:106 Resp: 8992
Ion Ratio Lower Upper
106 100
91 209.7 105.0 315.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

Tgt Ion:152 Resp: 20640
Ion Ratio Lower Upper
152 100
115 65.0 29.3 87.8
150 174.6 0.0 347.6

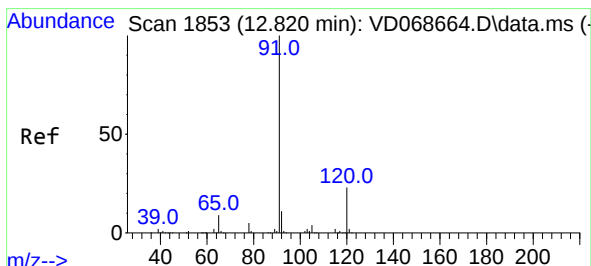
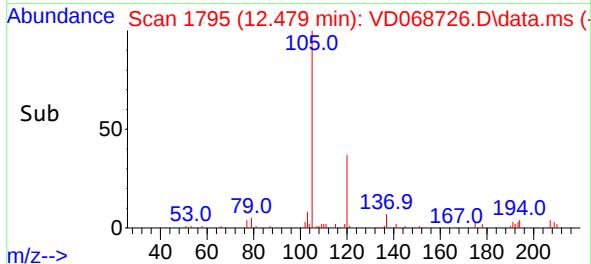
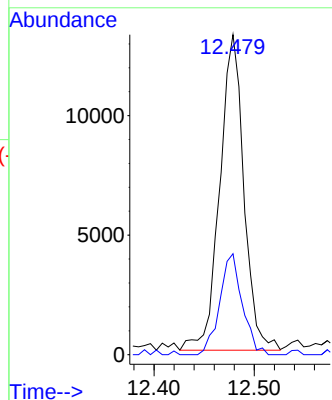
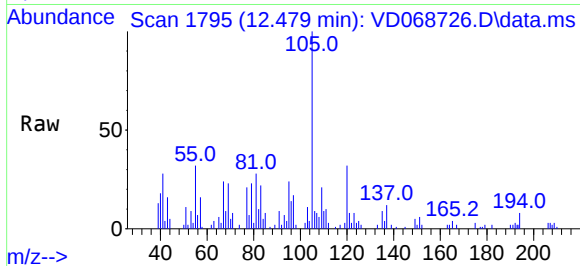




#73
Isopropylbenzene
Concen: 15.59 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

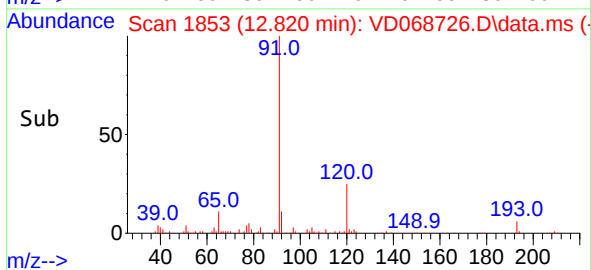
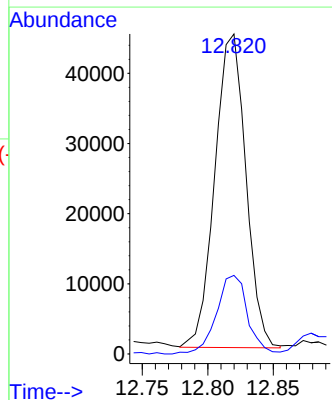
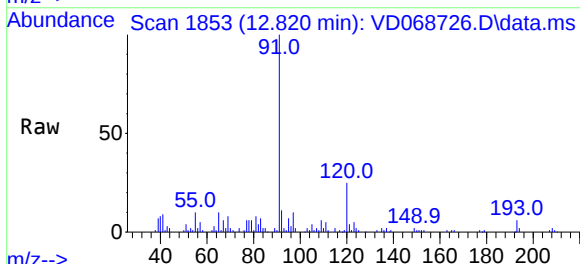
Instrument :
MSVOA_D
ClientSampleId :
B1-10-12RE

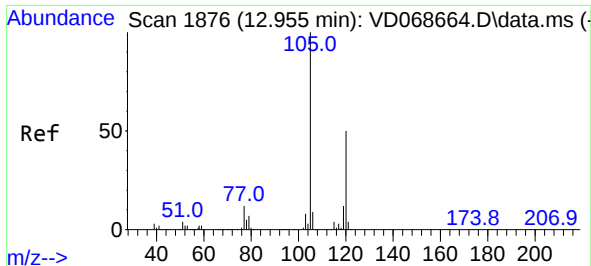
Tgt Ion:105 Resp: 22115
Ion Ratio Lower Upper
105 100
120 29.8 13.4 40.2



#78
n-propylbenzene
Concen: 43.63 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

Tgt Ion: 91 Resp: 73663
Ion Ratio Lower Upper
91 100
120 25.0 11.4 34.2

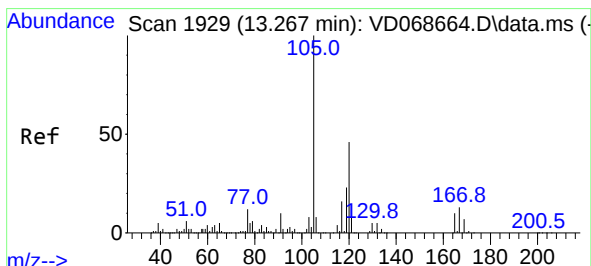
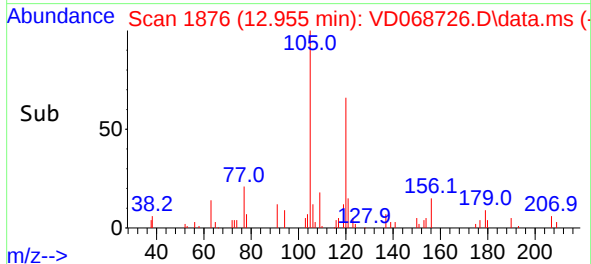
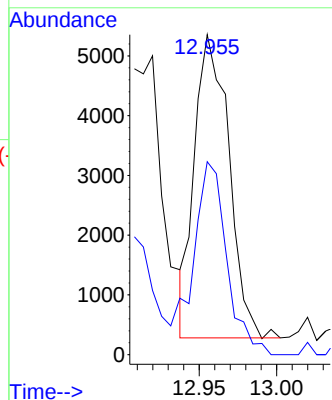
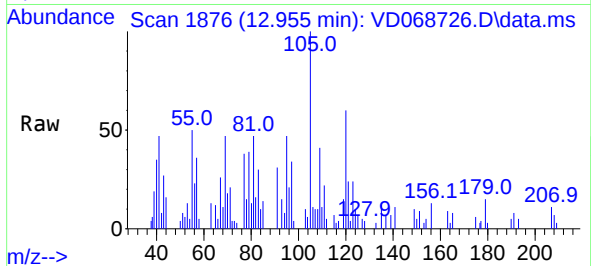




#80
1,3,5-Trimethylbenzene
Concen: 6.80 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

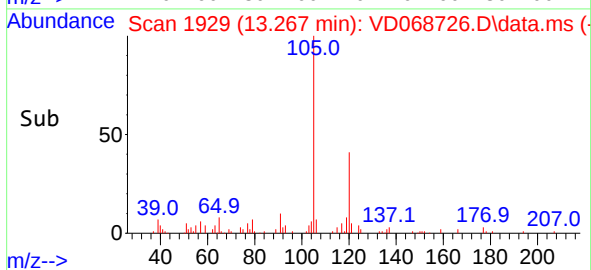
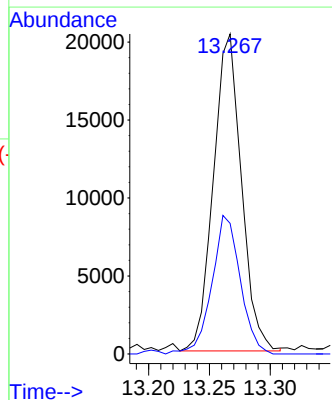
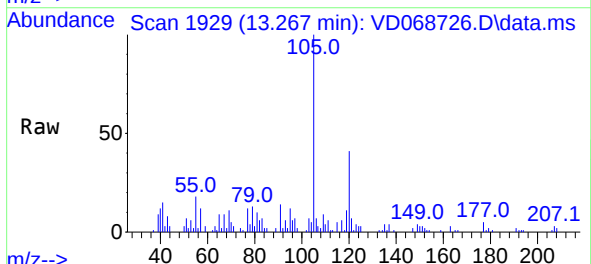
Instrument :
MSVOA_D
ClientSampleId :
B1-10-12RE

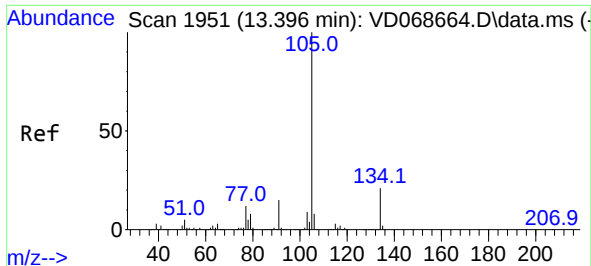
Tgt Ion:105 Resp: 7797
Ion Ratio Lower Upper
105 100
120 61.7 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 27.42 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.000 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

Tgt Ion:105 Resp: 32486
Ion Ratio Lower Upper
105 100
120 44.3 22.6 67.7

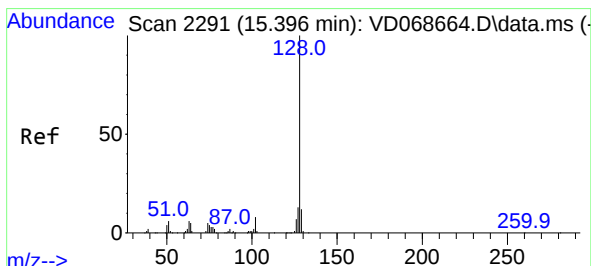
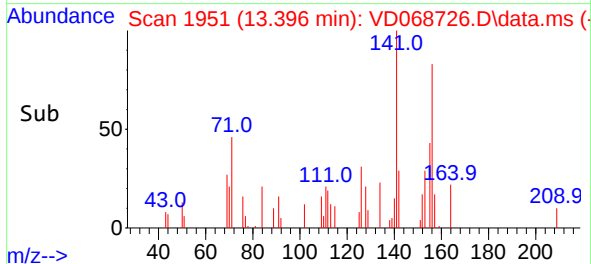
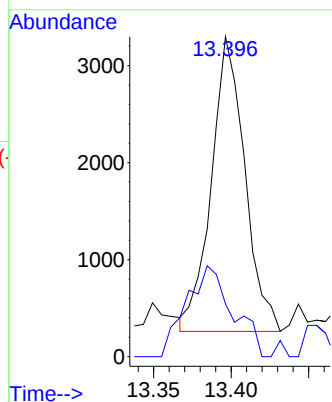
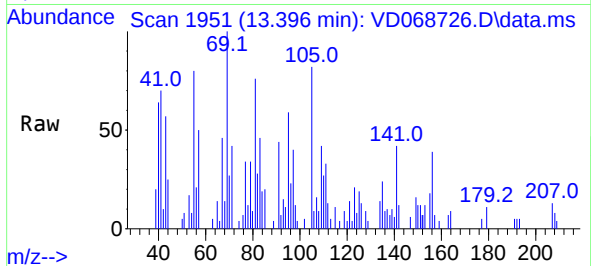




#85
sec-Butylbenzene
Concen: 3.21 ug/l
RT: 13.396 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

Instrument :
MSVOA_D
ClientSampleId :
B1-10-12RE

Tgt Ion:105 Resp: 4556
Ion Ratio Lower Upper
105 100
134 42.6 10.0 29.8#



#95
Naphthalene
Concen: 365.76 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD068726.D
Acq: 30 Mar 2021 14:06

Tgt Ion:128 Resp: 234467
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 11.3 8.9 13.3

