

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
 Data File : VD068712.D
 Acq On : 29 Mar 2021 21:47
 Operator : VA/SY
 Sample : M1836-02
 Misc : 11.19G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B1-10-12

Quant Time: Mar 30 01:08:53 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)

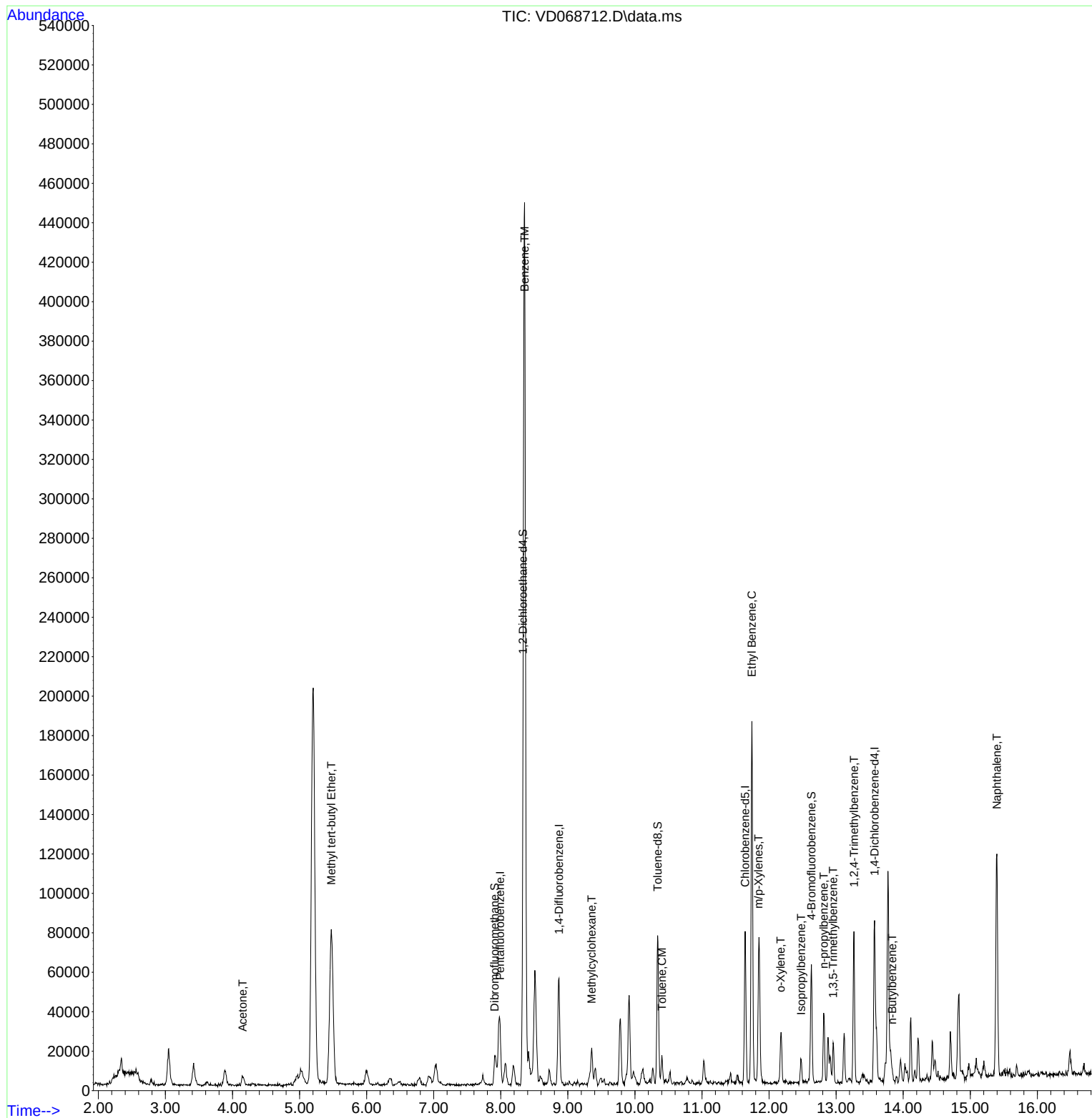
Internal Standards						
1) Pentafluorobenzene	7.991	168	23511	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.867	114	44044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	44522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	22158	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	15466	65.24	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.48%			
35) Dibromofluoromethane	7.908	113	11222	40.95	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 81.90%			
50) Toluene-d8	10.338	98	50942	48.22	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.44%			
62) 4-Bromofluorobenzene	12.632	95	19416	56.68	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.36%			
Target Compounds					Qvalue	
16) Acetone	4.150	43	6711	233.33	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	130518	278.84	ug/l	98
39) Methylcyclohexane	9.355	83	4575	9.42	ug/l #	86
40) Benzene	8.355	78	488344	425.47	ug/l	97
52) Toluene	10.402	92	5728	7.89	ug/l	92
67) Ethyl Benzene	11.743	91	129987	85.04	ug/l	100
68) m/p-Xylenes	11.843	106	23900	40.13	ug/l	95
69) o-Xylene	12.173	106	7884	14.28	ug/l	96
73) Isopropylbenzene	12.479	105	8728	5.73	ug/l	99
78) n-propylbenzene	12.814	91	29210	16.11	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	10880	8.84	ug/l	94
84) 1,2,4-Trimethylbenzene	13.267	105	42212	33.19	ug/l	98
89) n-Butylbenzene	13.837	91	3467	2.63	ug/l #	78
95) Naphthalene	15.396	128	108531	157.71	ug/l	99

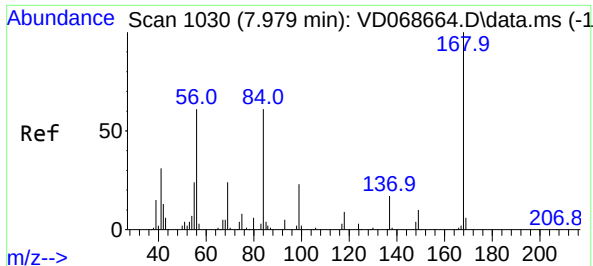
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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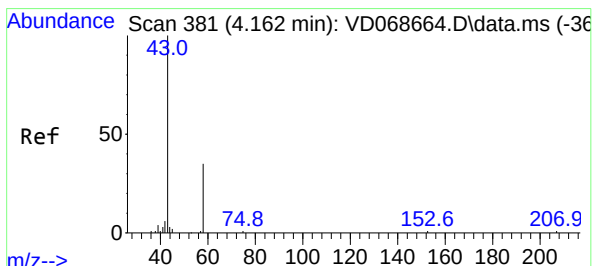
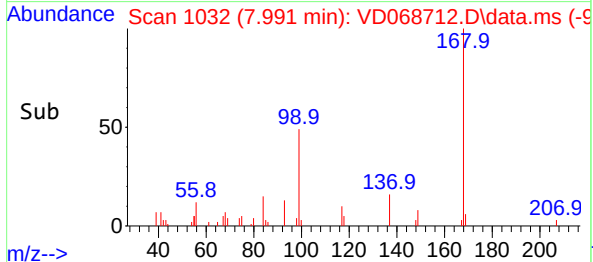
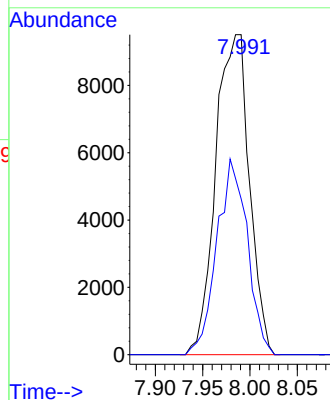
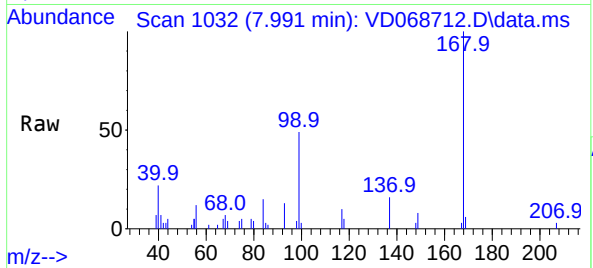




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.012 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

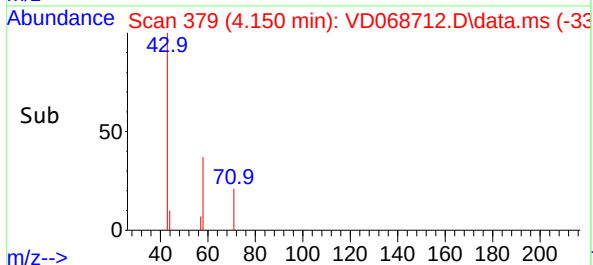
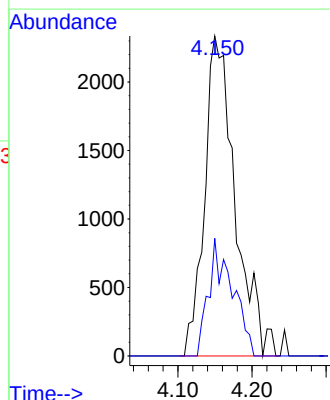
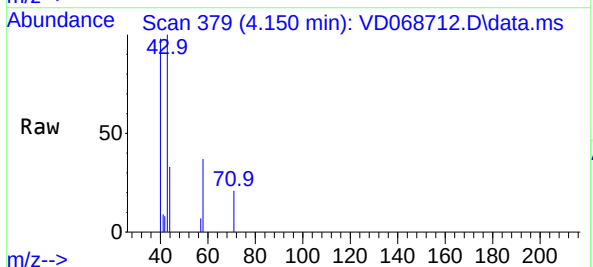
Instrument :
MSVOA_D
ClientSampleId :
B1-10-12

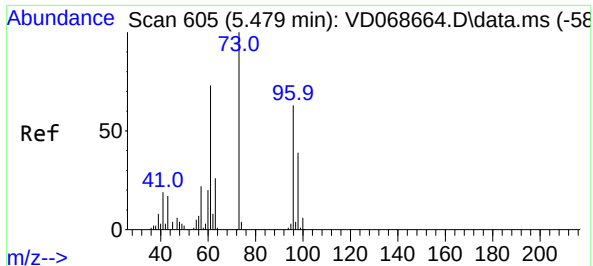
Tgt Ion:168 Resp: 23511
Ion Ratio Lower Upper
168 100
99 48.7 46.2 69.2



#16
Acetone
Concen: 233.33 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

Tgt Ion: 43 Resp: 6711
Ion Ratio Lower Upper
43 100
58 36.7 28.0 42.0

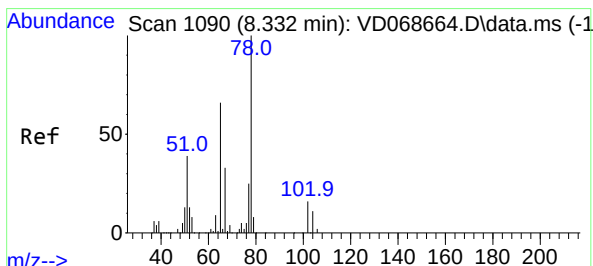
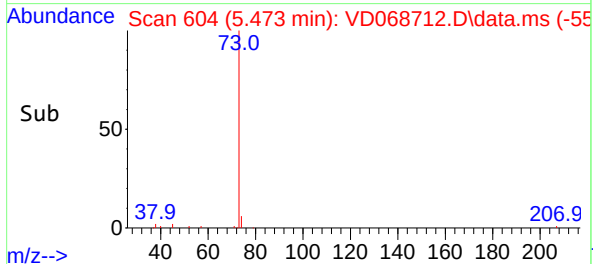
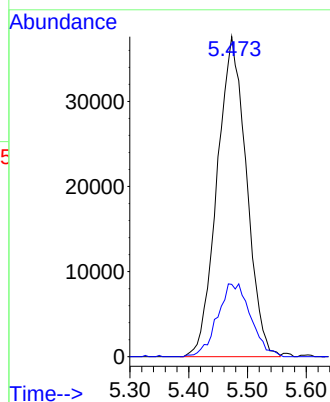
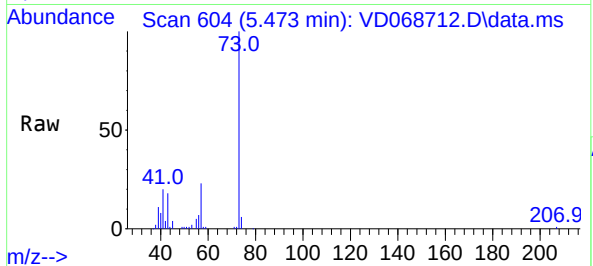




#19
Methyl tert-butyl Ether
Concen: 278.84 ug/l
RT: 5.473 min Scan# 604
Delta R.T. -0.006 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

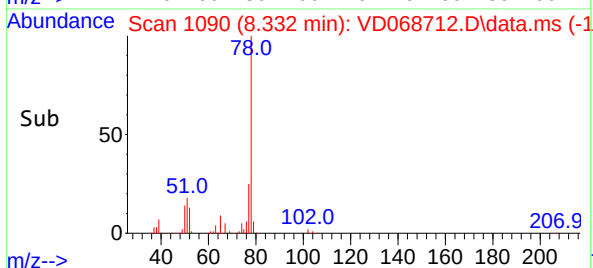
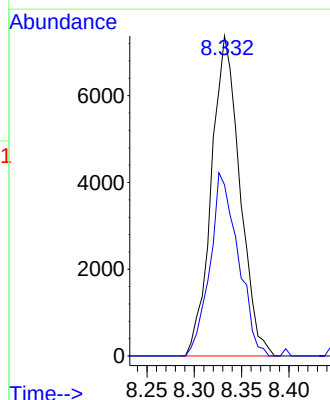
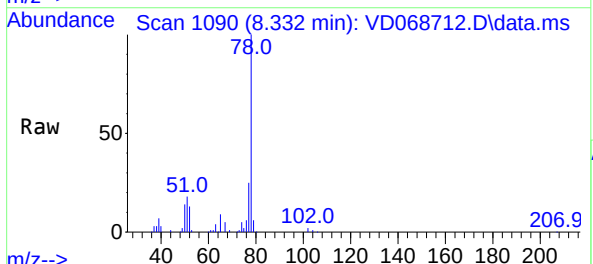
Instrument :
MSVOA_D
ClientSampleId :
B1-10-12

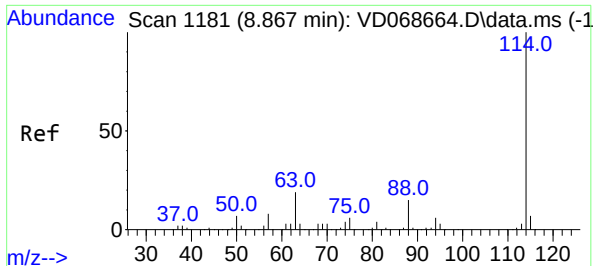
Tgt Ion: 73 Resp: 130518
Ion Ratio Lower Upper
73 100
57 22.6 17.3 25.9



#33
1,2-Dichloroethane-d4
Concen: 65.24 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

Tgt Ion: 65 Resp: 15466
Ion Ratio Lower Upper
65 100
67 56.4 0.0 106.0

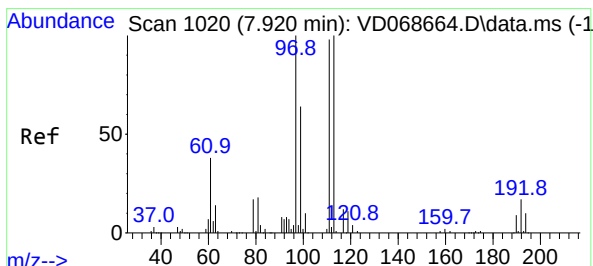
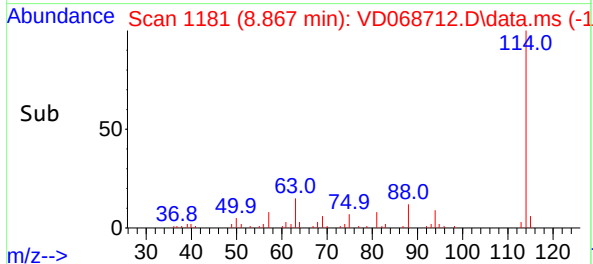
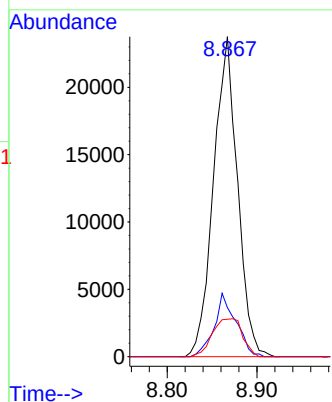
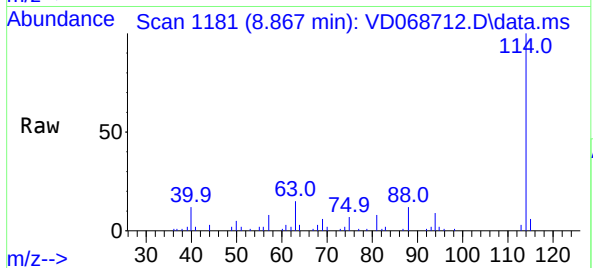




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

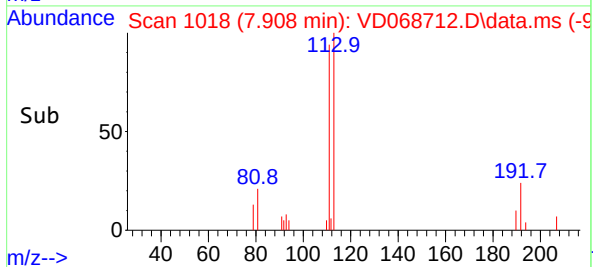
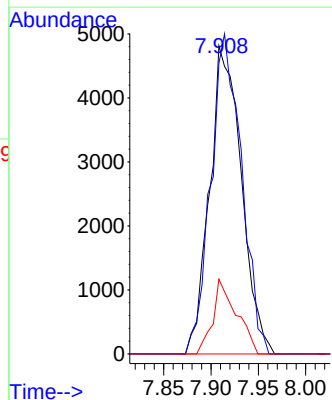
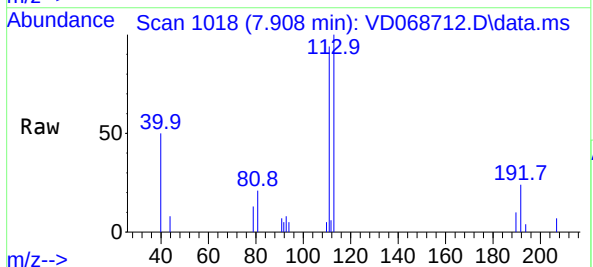
Instrument :
MSVOA_D
ClientSampleId :
B1-10-12

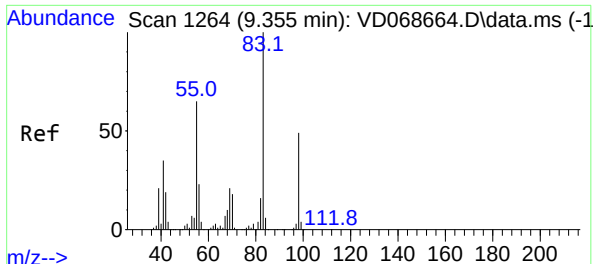
Tgt Ion:	114	Resp:	44044
Ion Ratio	Lower	Upper	
114	100		
63	15.3	0.0	38.2
88	11.7	0.0	29.4



#35
Dibromofluoromethane
Concen: 40.95 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.012 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

Tgt Ion:	113	Resp:	11222
Ion Ratio	Lower	Upper	
113	100		
111	100.4	82.5	123.7
192	18.0	15.1	22.7





#39

Methylcyclohexane

Concen: 9.42 ug/l

RT: 9.355 min Scan# 1264

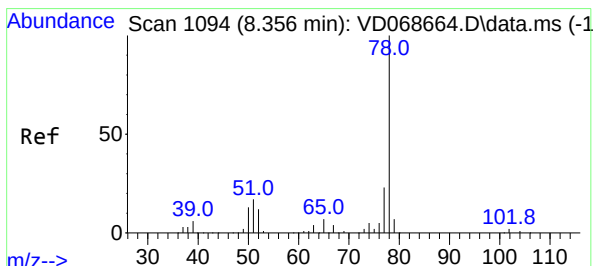
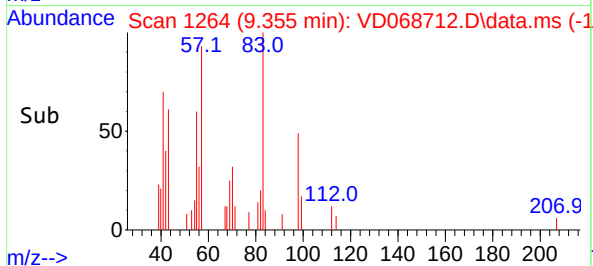
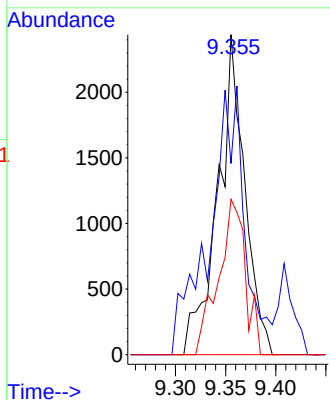
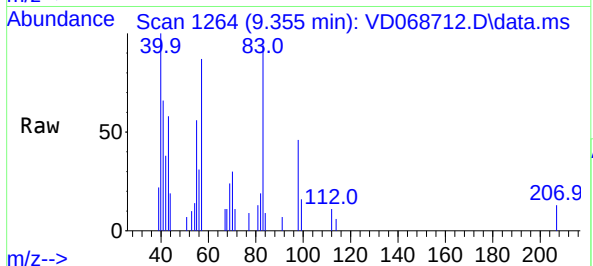
Delta R.T. -0.000 min

Lab File: VD068712.D

Acq: 29 Mar 2021 21:47

Tgt Ion:	83	Resp:	4575
Ion	Ratio	Lower	Upper
83	100		
55	44.8	51.7	77.5#
98	48.5	38.8	58.2

Instrument :
MSVOA_D
ClientSampleId :
B1-10-12



#40

Benzene

Concen: 425.47 ug/l

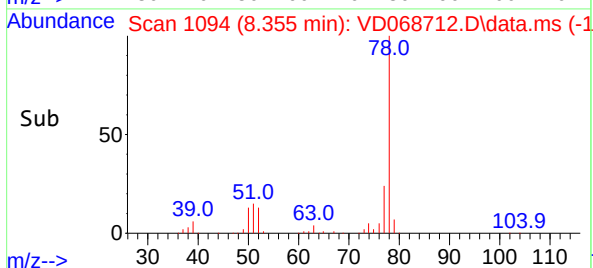
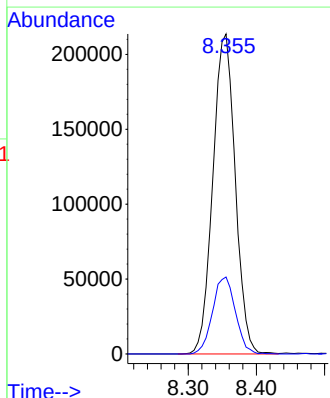
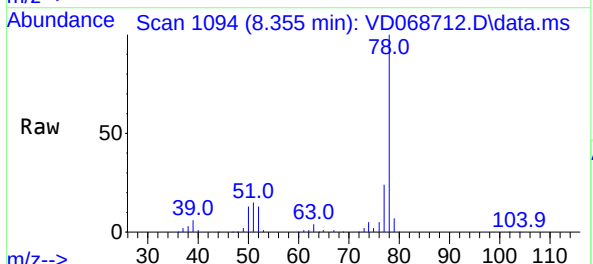
RT: 8.355 min Scan# 1094

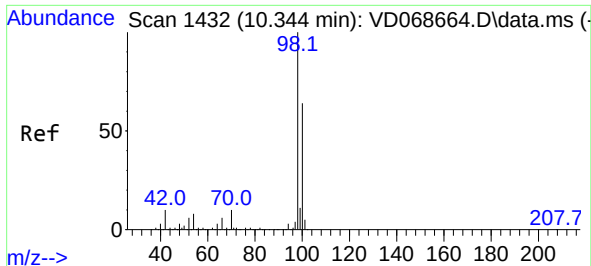
Delta R.T. -0.000 min

Lab File: VD068712.D

Acq: 29 Mar 2021 21:47

Tgt Ion:	78	Resp:	488344
Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.2	27.2

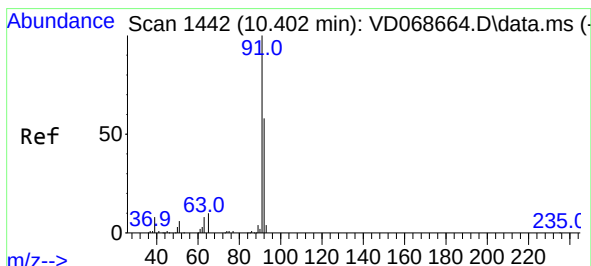
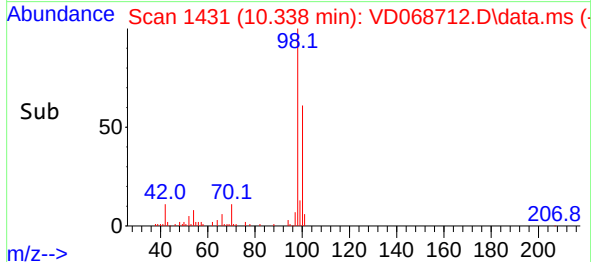
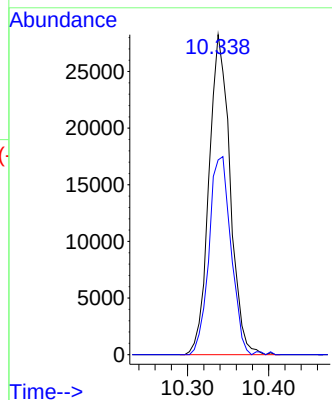
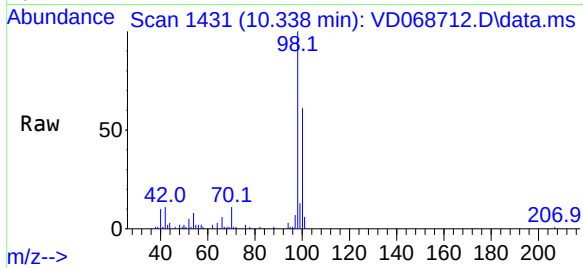




#50
Toluene-d8
Concen: 48.22 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

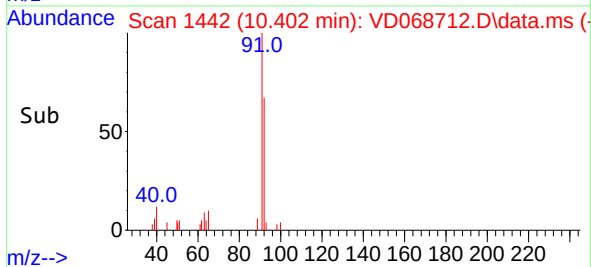
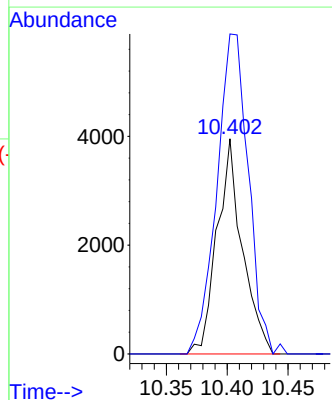
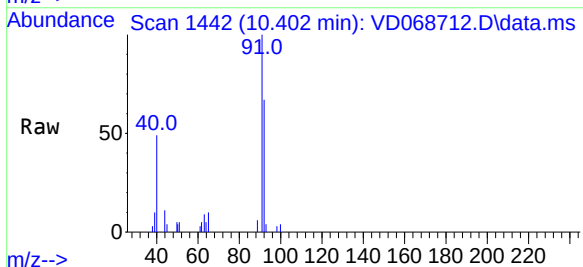
Instrument :
MSVOA_D
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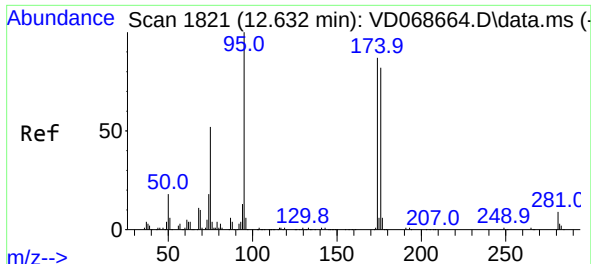
Tgt Ion: 98 Resp: 50942
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6



#52
Toluene
Concen: 7.89 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

Tgt Ion: 92 Resp: 5728
Ion Ratio Lower Upper
92 100
91 185.2 139.1 208.7

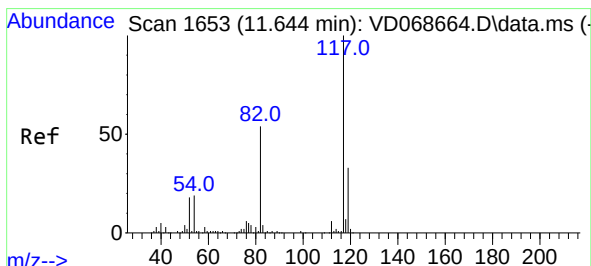
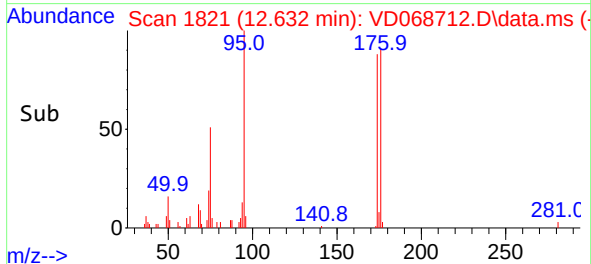
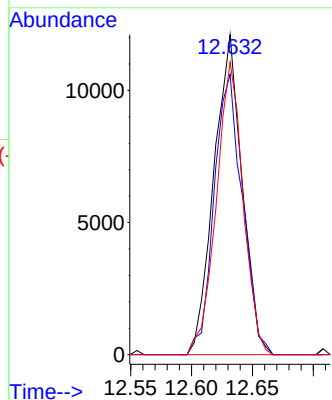
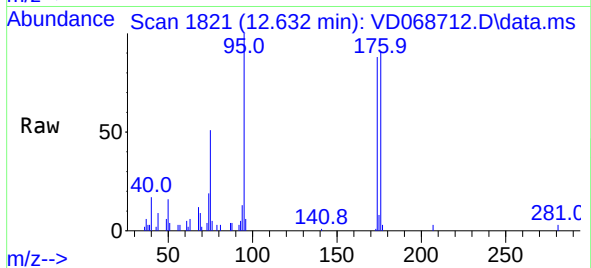




#62
4-Bromofluorobenzene
Concen: 56.68 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

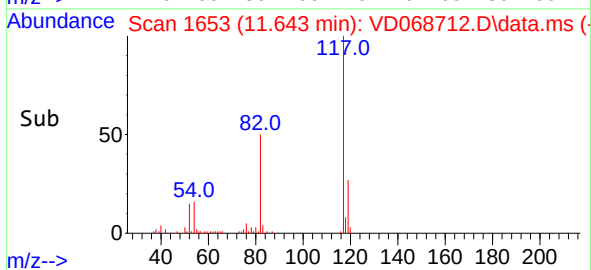
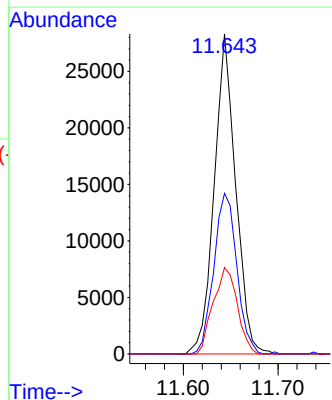
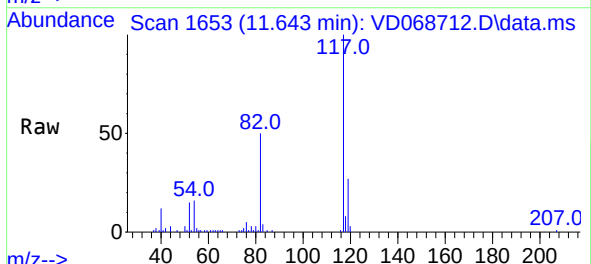
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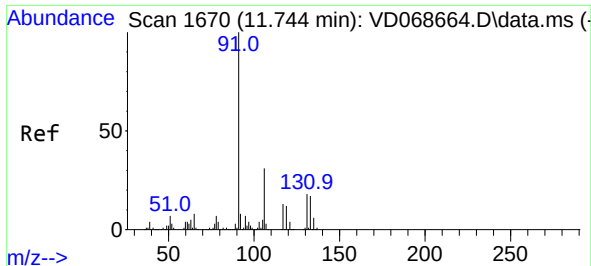
Tgt Ion:	95	Resp:	19416
Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	168.0
176	87.3	0.0	160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

Tgt Ion:	117	Resp:	44522
Ion	Ratio	Lower	Upper
117	100		
82	50.2	43.5	65.3
119	27.0	26.7	40.1

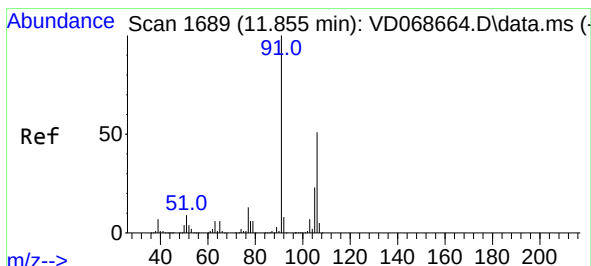
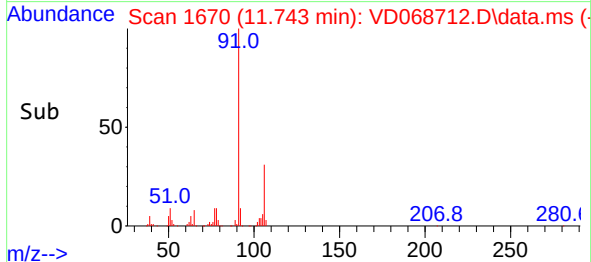
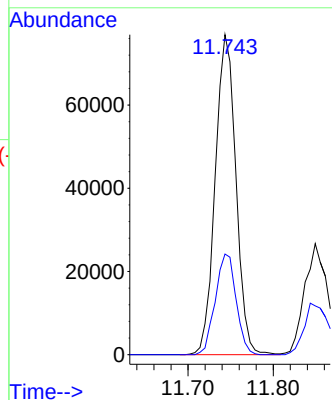
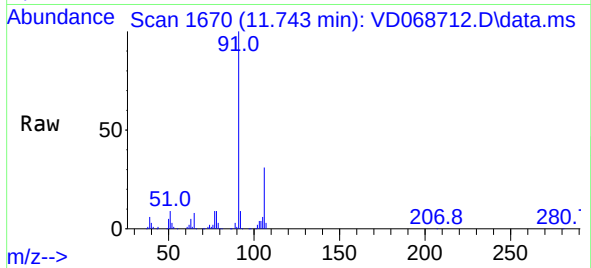




#67
Ethyl Benzene
Concen: 85.04 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

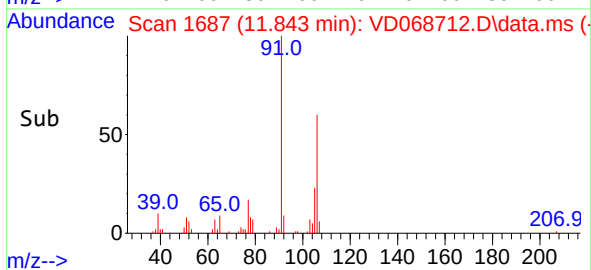
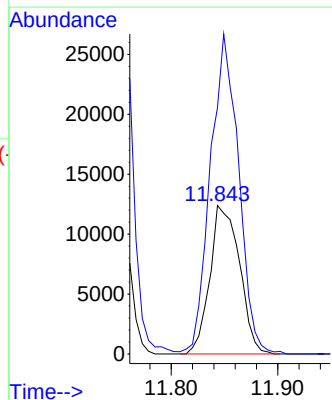
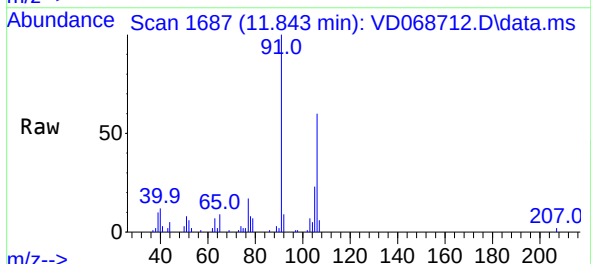
Instrument :
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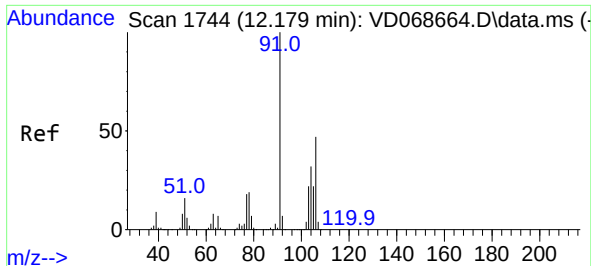
Tgt Ion: 91 Resp: 129987
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7



#68
m/p-Xylenes
Concen: 40.13 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.012 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

Tgt Ion:106 Resp: 23900
Ion Ratio Lower Upper
106 100
91 206.0 158.6 238.0

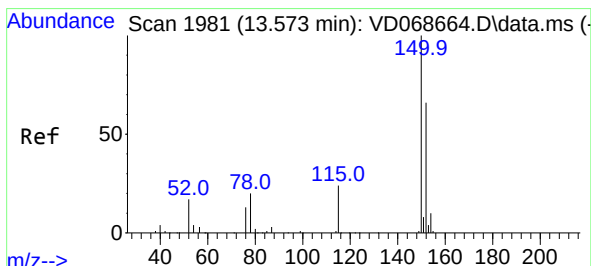
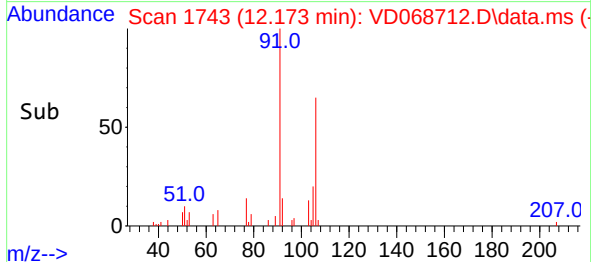
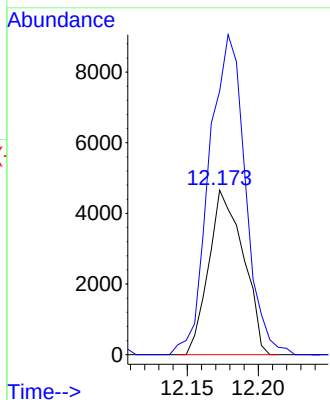
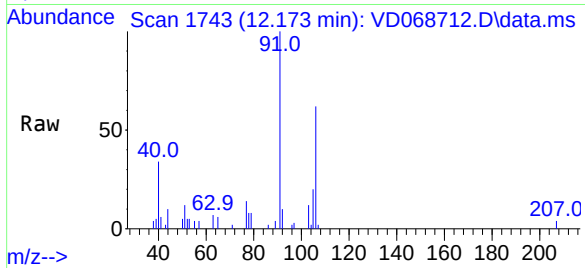




#69
o-Xylene
Concen: 14.28 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

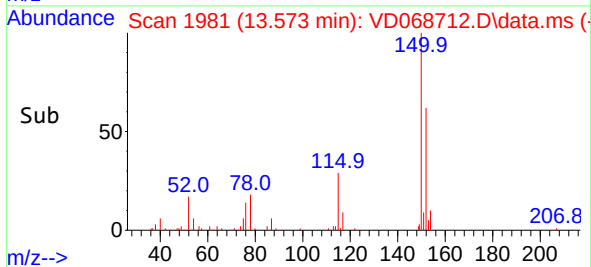
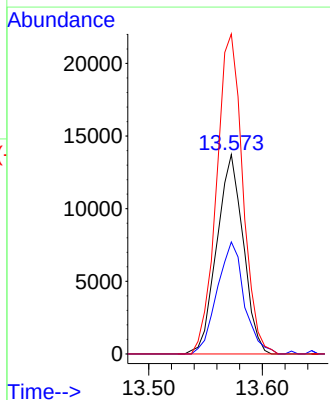
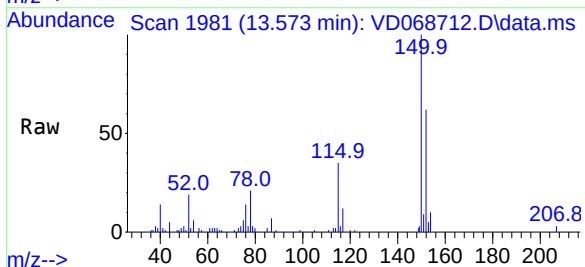
Instrument :
MSVOA_D
ClientSampleId :
B1-10-12

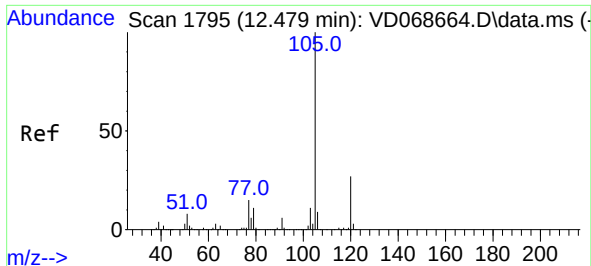
Tgt Ion:106 Resp: 7884
Ion Ratio Lower Upper
106 100
91 203.7 105.0 315.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

Tgt Ion:152 Resp: 22158
Ion Ratio Lower Upper
152 100
115 57.9 29.3 87.8
150 159.3 0.0 347.6

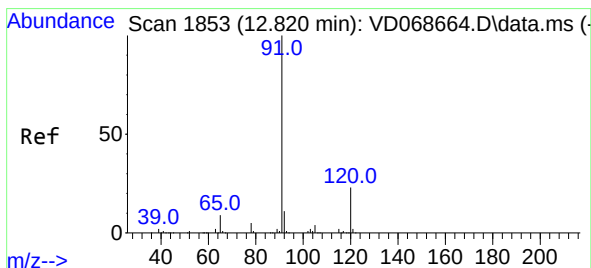
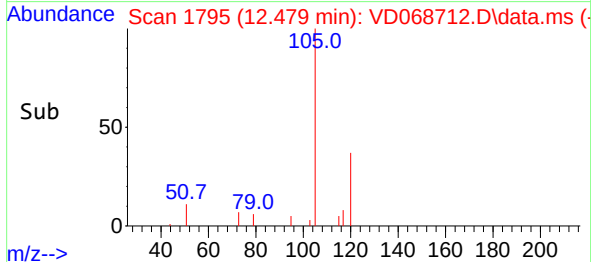
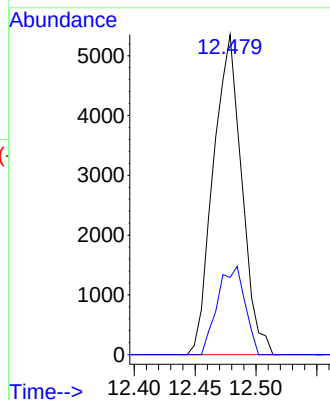
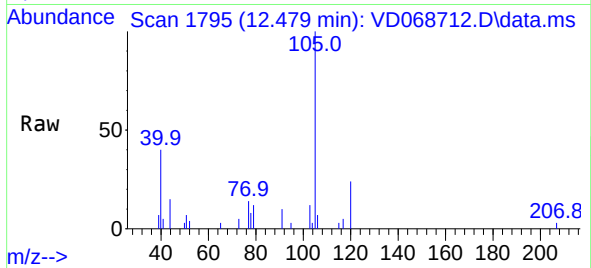




#73
Isopropylbenzene
Concen: 5.73 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

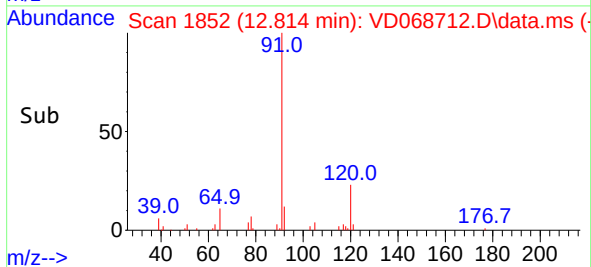
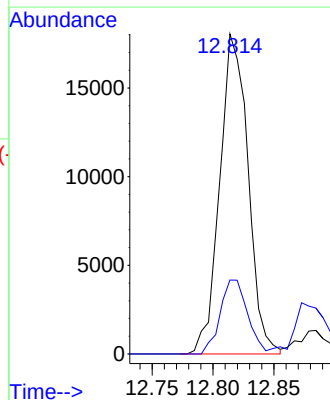
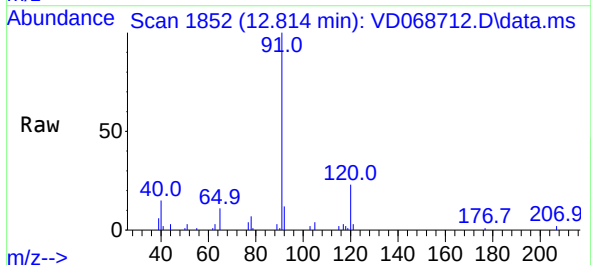
Instrument :
MSVOA_D
ClientSampleId :
B1-10-12

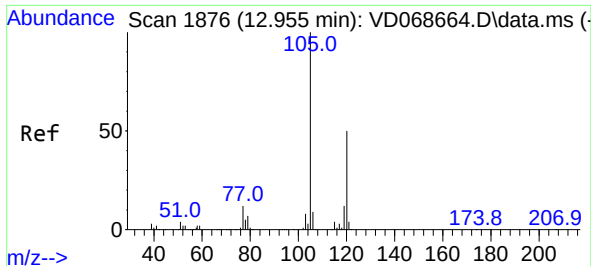
Tgt Ion:105 Resp: 8728
Ion Ratio Lower Upper
105 100
120 26.4 13.4 40.2



#78
n-propylbenzene
Concen: 16.11 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

Tgt Ion: 91 Resp: 29210
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.2

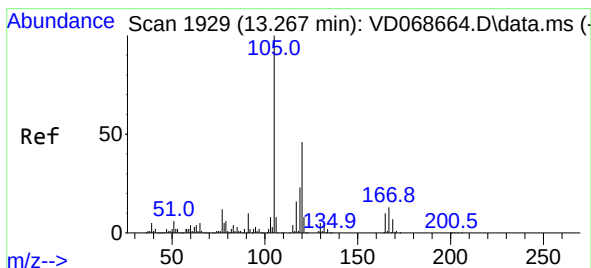
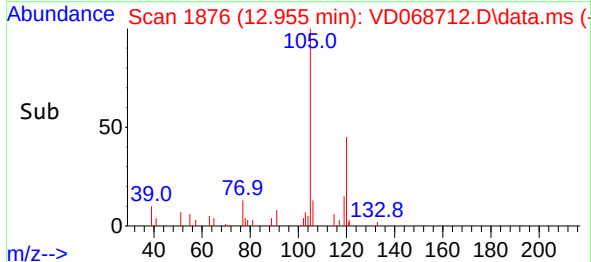
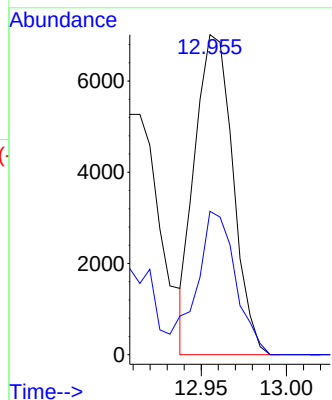
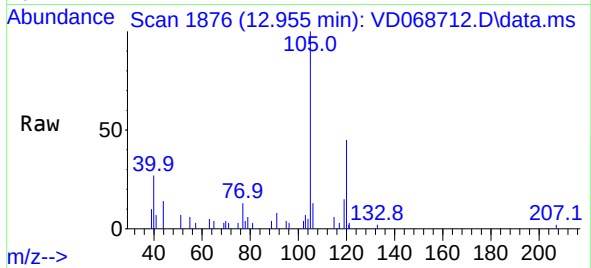




#80
1,3,5-Trimethylbenzene
Concen: 8.84 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

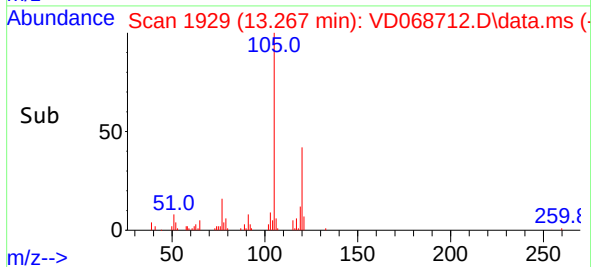
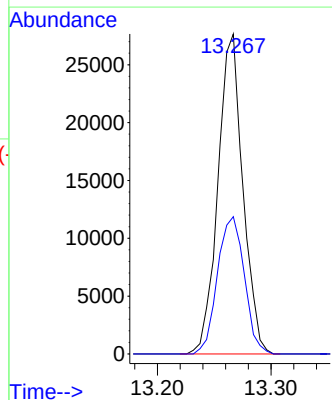
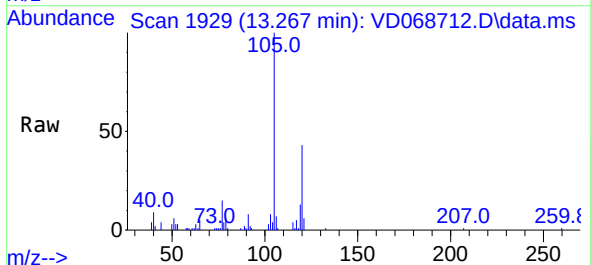
Instrument :
MSVOA_D
ClientSampleId :
B1-10-12

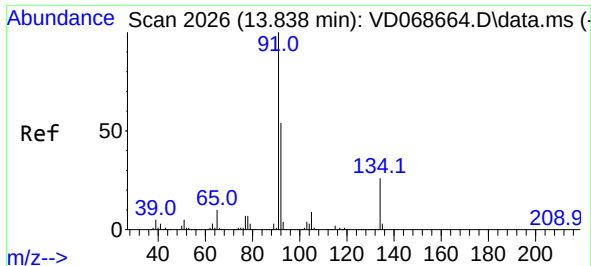
Tgt Ion:105 Resp: 10880
Ion Ratio Lower Upper
105 100
120 45.8 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 33.19 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.000 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

Tgt Ion:105 Resp: 42212
Ion Ratio Lower Upper
105 100
120 46.2 22.6 67.7

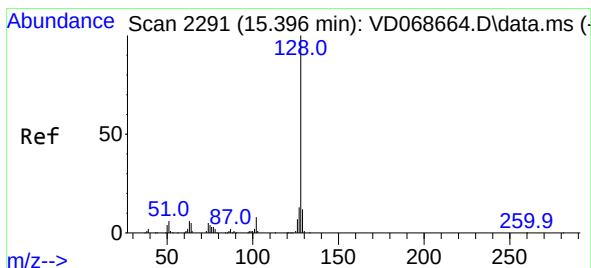
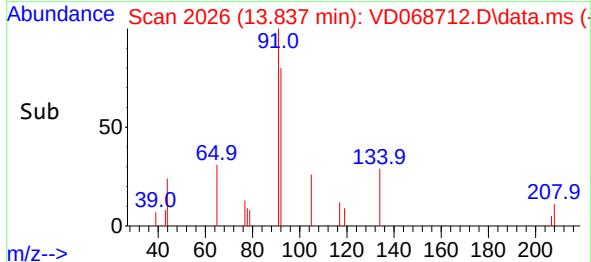
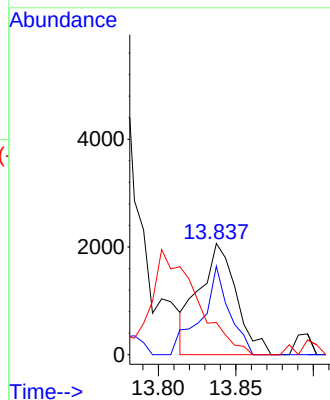
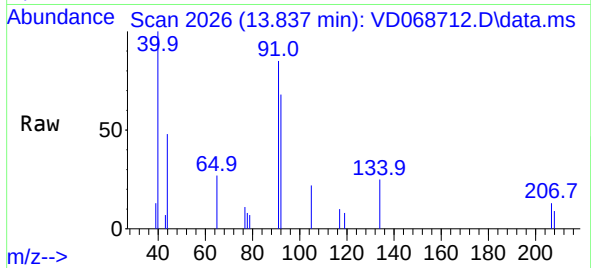




#89
n-Butylbenzene
Concen: 2.63 ug/l
RT: 13.837 min Scan# 2026
Delta R.T. -0.000 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

Instrument :
MSVOA_D
ClientSampleId :
B1-10-12

Tgt Ion:	91	Resp:	3467
Ion	Ratio	Lower	Upper
91	100		
92	59.4	26.7	80.1
134	0.0	12.9	38.6#



#95
Naphthalene
Concen: 157.71 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.000 min
Lab File: VD068712.D
Acq: 29 Mar 2021 21:47

Tgt Ion:	128	Resp:	108531
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.4	8.9	13.3

