

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
 Data File : VD068710.D
 Acq On : 29 Mar 2021 20:50
 Operator : VA/SY
 Sample : M1836-01
 Misc : 8.84G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B1-0-2

Quant Time: Mar 30 01:08:08 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)

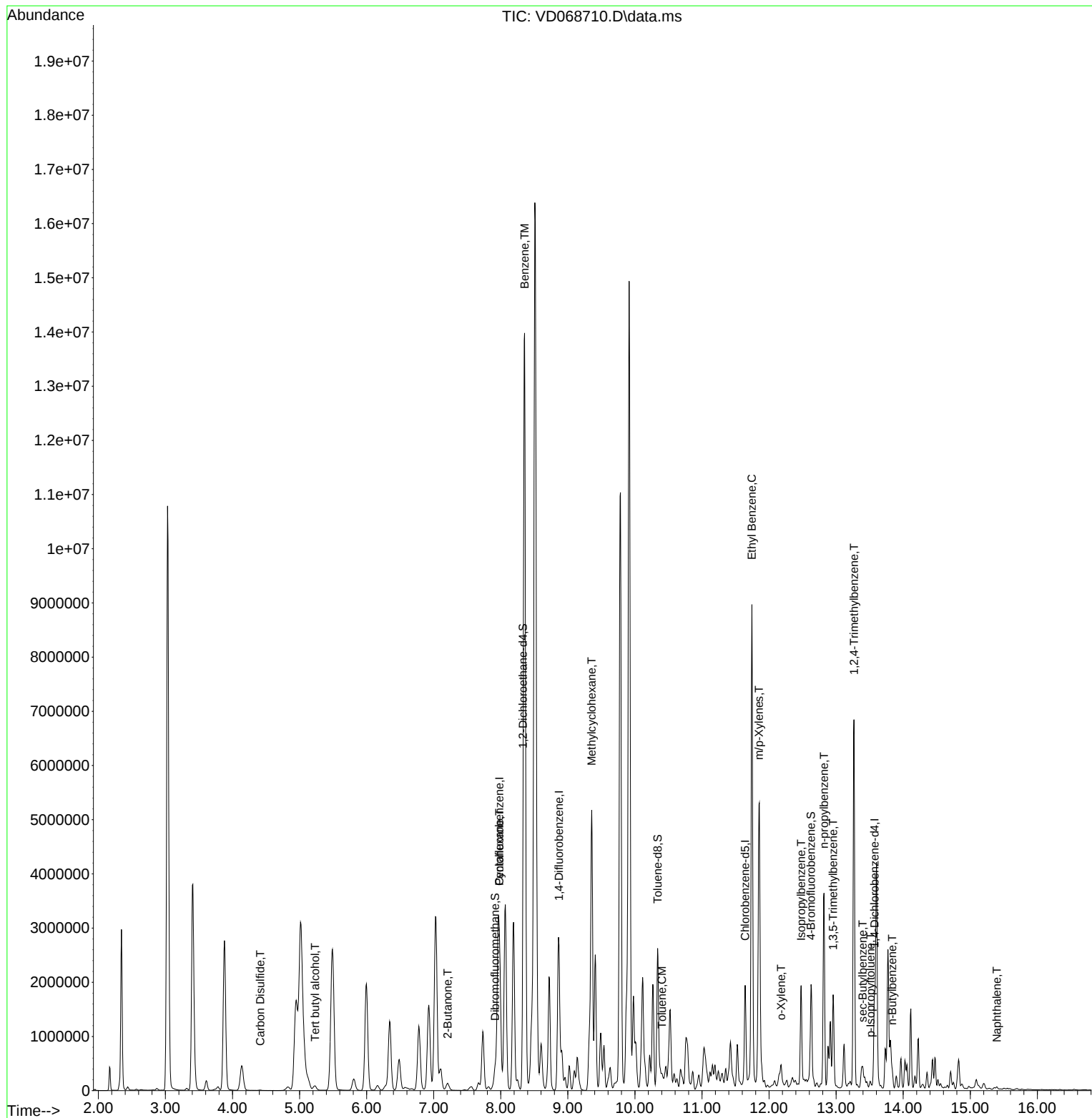
Internal Standards						
1) Pentafluorobenzene	7.979	168	531457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	970105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	992687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.572	152	472962	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	276742	51.64	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.28%			
35) Dibromofluoromethane	7.914	113	296597	49.14	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.28%			
50) Toluene-d8	10.337	98	1264273	54.33	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.66%			
62) 4-Bromofluorobenzene	12.625	95	460297	61.01	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 122.02%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.232	59	150541	609.63	ug/l #	73
17) Carbon Disulfide	4.414	76	15541	1.15	ug/l	98
25) 2-Butanone	7.208	43	60232	55.91	ug/l #	54
31) Cyclohexane	7.979	56	1197499	138.49	ug/l	88
39) Methylcyclohexane	9.355	83	1431234	133.83	ug/l	90
40) Benzene	8.355	78	14754860	583.64	ug/l	91
52) Toluene	10.402	92	105867	6.62	ug/l	96
67) Ethyl Benzene	11.743	91	6263722	183.79	ug/l	99
68) m/p-Xylenes	11.849	106	1765996	133.00	ug/l	98
69) o-Xylene	12.178	106	100256	8.15	ug/l	98
73) Isopropylbenzene	12.478	105	1261717	38.83	ug/l	100
78) n-propylbenzene	12.820	91	2945225	76.12	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	896077	34.10	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	3939121	145.09	ug/l	97
85) sec-Butylbenzene	13.396	105	229280	7.04	ug/l #	54
86) p-Isopropyltoluene	13.514	119	53677	1.81	ug/l #	78
89) n-Butylbenzene	13.837	91	180551	6.42	ug/l #	83
95) Naphthalene	15.396	128	40652	2.77	ug/l	97

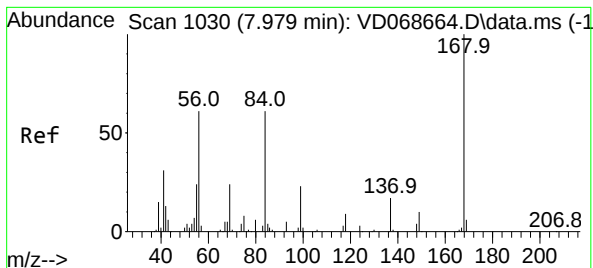
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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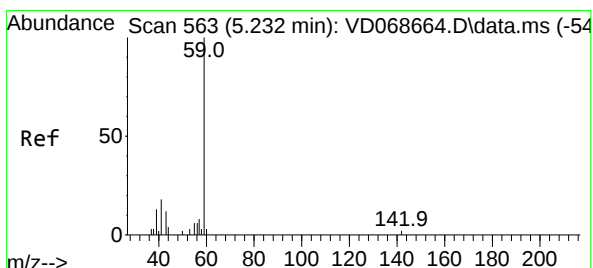
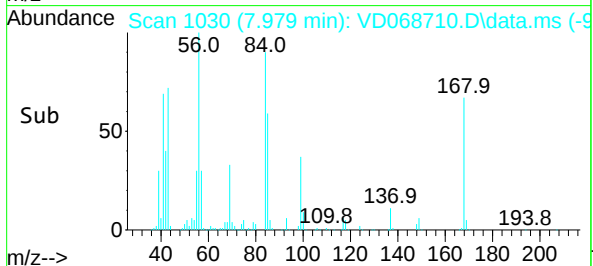
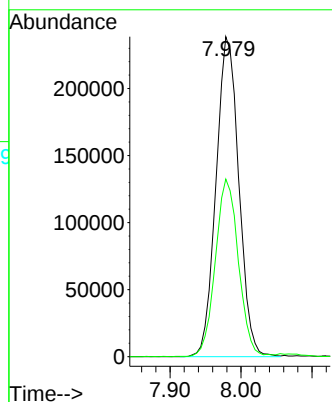
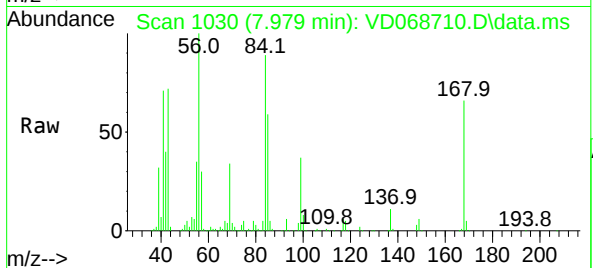




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

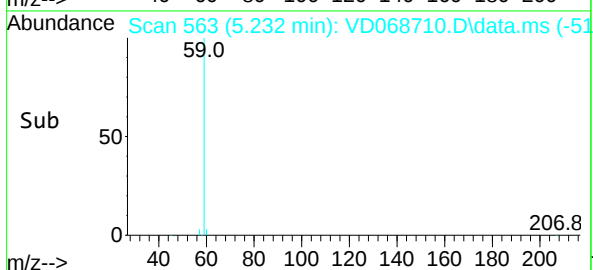
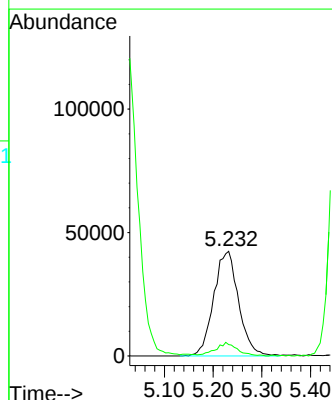
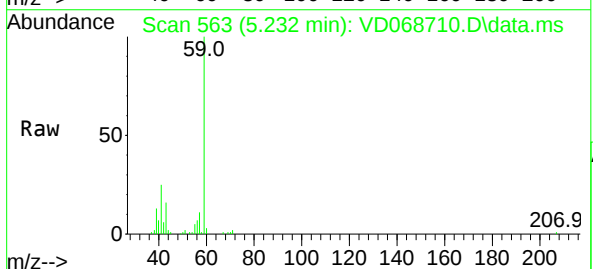
Instrument :
MSVOA_D
ClientSampleId :
B1-0-2

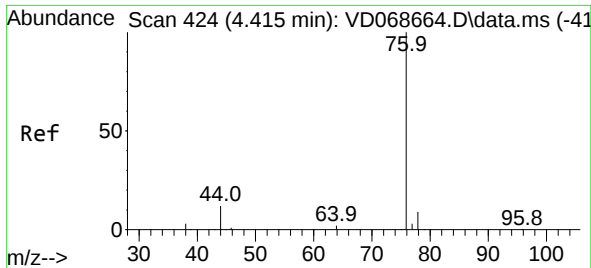
Tgt Ion:168 Resp: 531457
Ion Ratio Lower Upper
168 100
99 55.4 46.2 69.2



#11
Tert butyl alcohol
Concen: 609.63 ug/l
RT: 5.232 min Scan# 563
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

Tgt Ion: 59 Resp: 150541
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

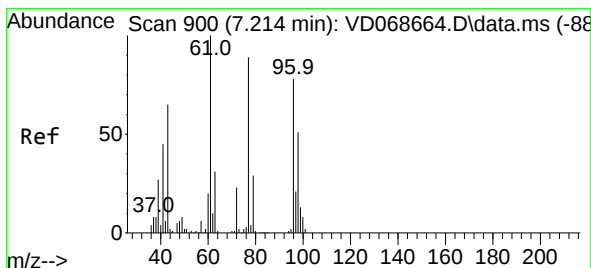
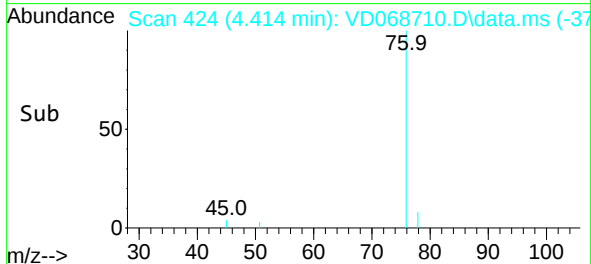
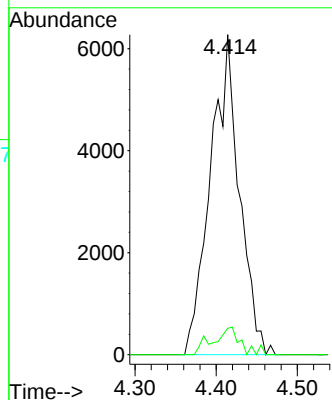
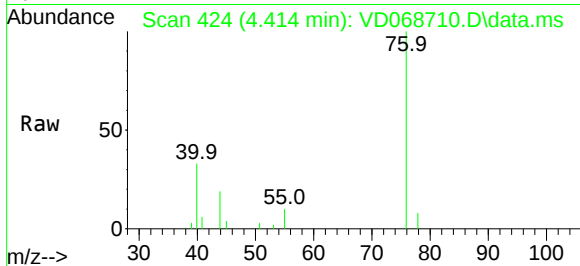




#17
Carbon Disulfide
Concen: 1.15 ug/l
RT: 4.414 min Scan# 424
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

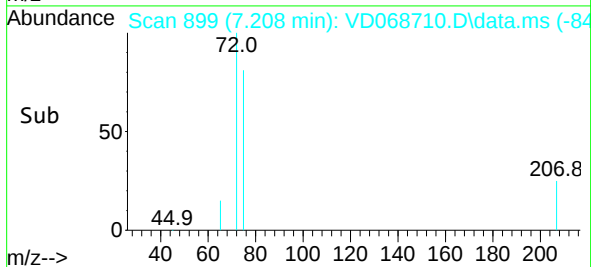
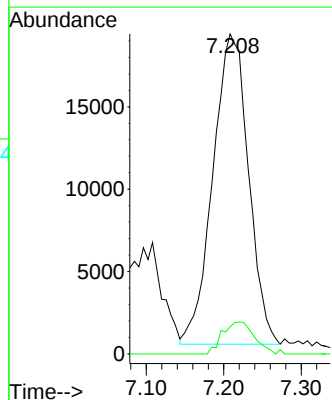
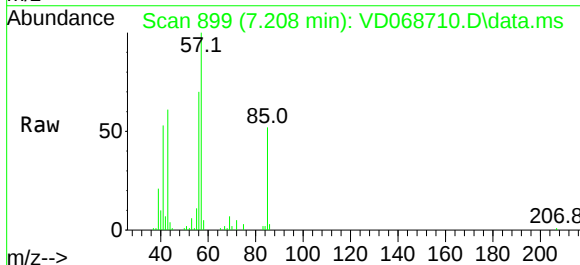
Instrument :
MSVOA_D
ClientSampleId :
B1-0-2

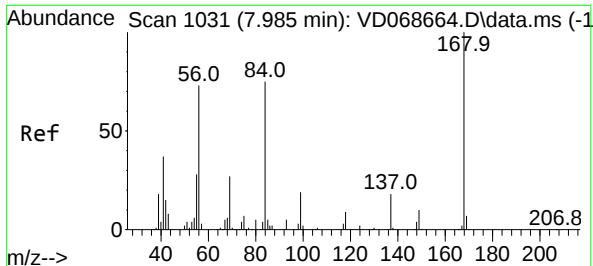
Tgt Ion: 76 Resp: 15541
Ion Ratio Lower Upper
76 100
78 8.3 7.3 10.9



#25
2-Butanone
Concen: 55.91 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

Tgt Ion: 43 Resp: 60232
Ion Ratio Lower Upper
43 100
72 8.7 28.6 43.0#

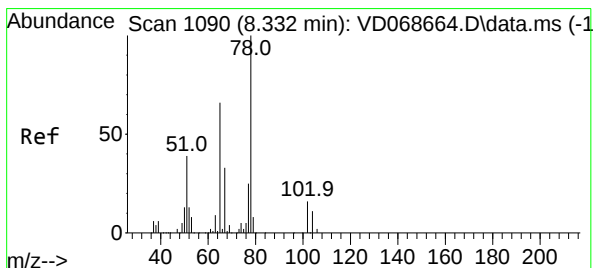
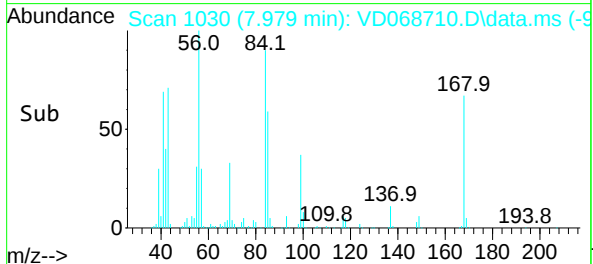
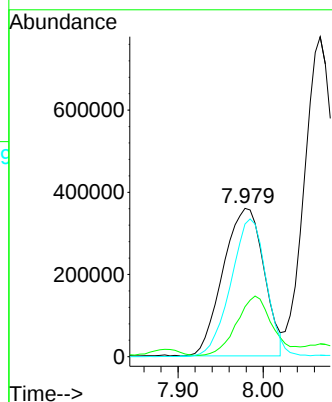
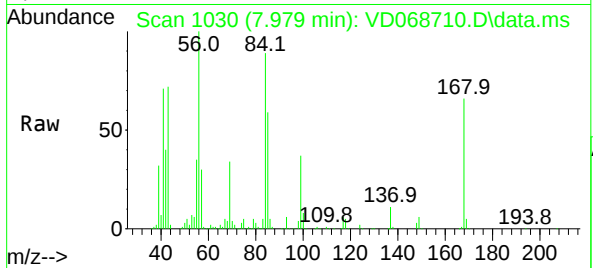




#31
Cyclohexane
Concen: 138.49 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

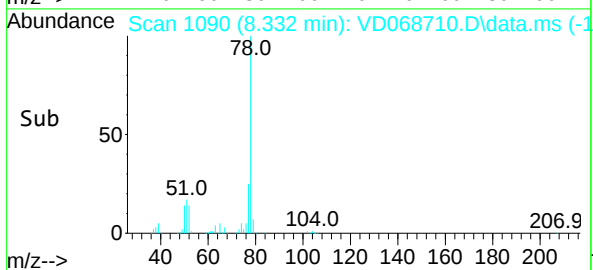
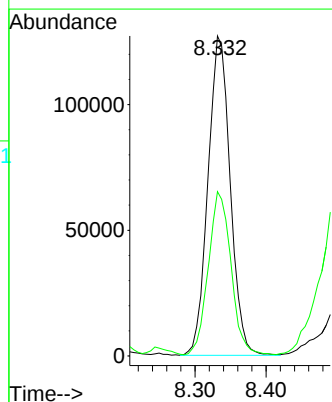
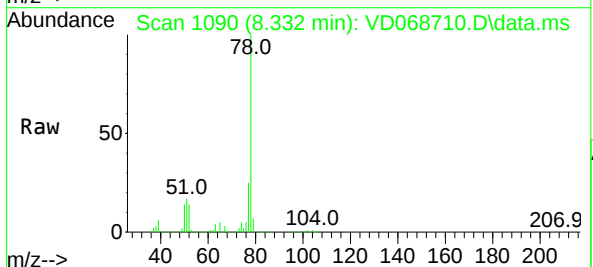
Instrument :
MSVOA_D
ClientSampleId :
B1-0-2

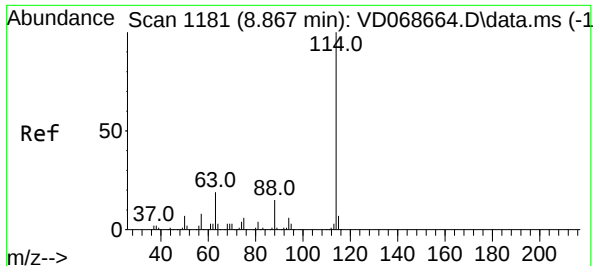
Tgt Ion: 56 Resp: 1197499
Ion Ratio Lower Upper
56 100
69 30.8 30.0 45.0
84 89.8 82.0 123.0



#33
1,2-Dichloroethane-d4
Concen: 51.64 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

Tgt Ion: 65 Resp: 276742
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

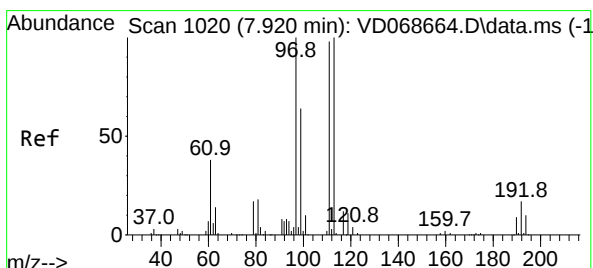
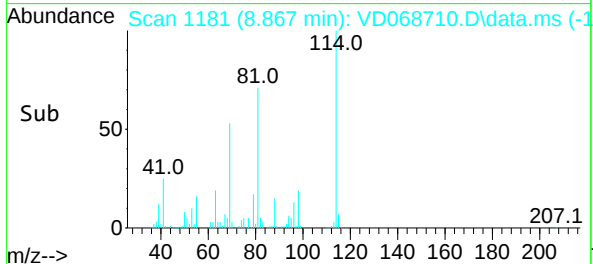
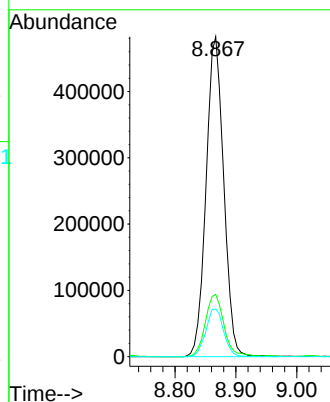
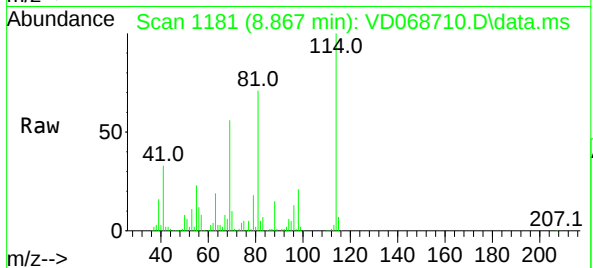
Delta R.T. -0.000 min

Lab File: VD068710.D

Acq: 29 Mar 2021 20:50

Tgt Ion:	114	Resp:	970105
Ion Ratio	Lower	Upper	
114	100		
63	19.5	0.0	38.2
88	14.9	0.0	29.4

Instrument :
MSVOA_D
ClientSampleId :
B1-0-2



#35

Dibromofluoromethane

Concen: 49.14 ug/l

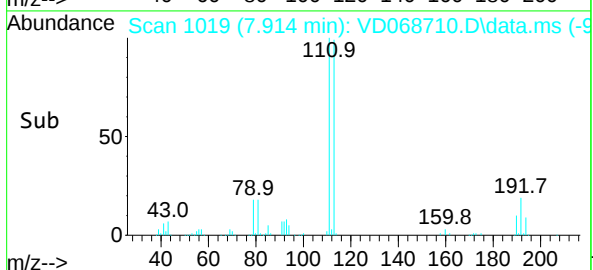
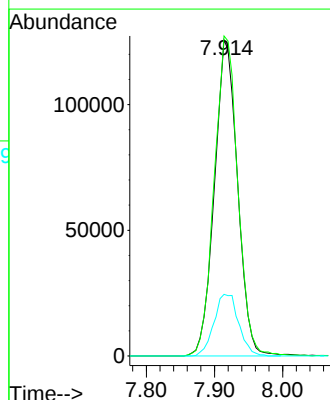
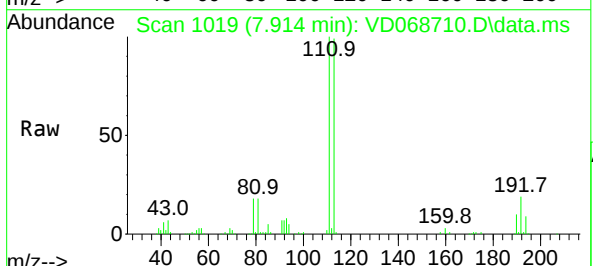
RT: 7.914 min Scan# 1019

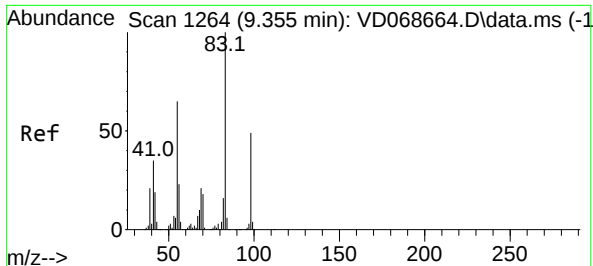
Delta R.T. -0.006 min

Lab File: VD068710.D

Acq: 29 Mar 2021 20:50

Tgt Ion:	113	Resp:	296597
Ion Ratio	Lower	Upper	
113	100		
111	103.2	82.5	123.7
192	20.8	15.1	22.7





#39

Methylcyclohexane

Concen: 133.83 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. -0.000 min

Lab File: VD068710.D

Acq: 29 Mar 2021 20:50

Instrument :

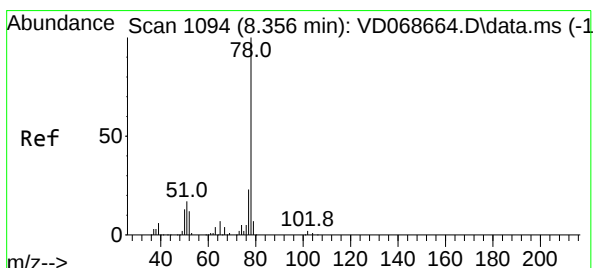
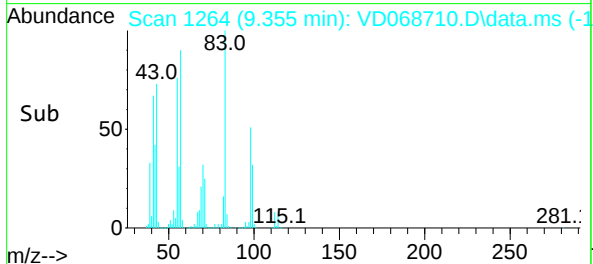
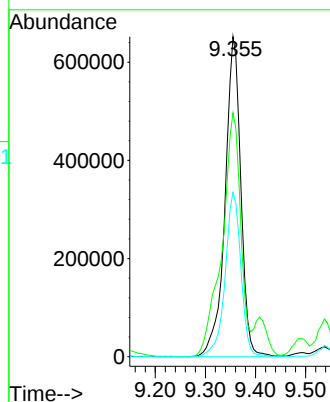
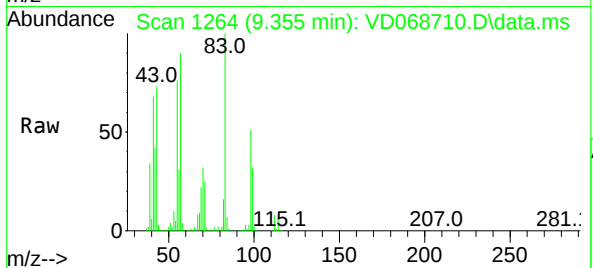
MSVOA_D

ClientSampleId :

B1-0-2

Tgt Ion: 83 Resp: 1431234

Ion	Ratio	Lower	Upper
83	100		
55	76.2	51.7	77.5
98	51.4	38.8	58.2



#40

Benzene

Concen: 583.64 ug/l

RT: 8.355 min Scan# 1094

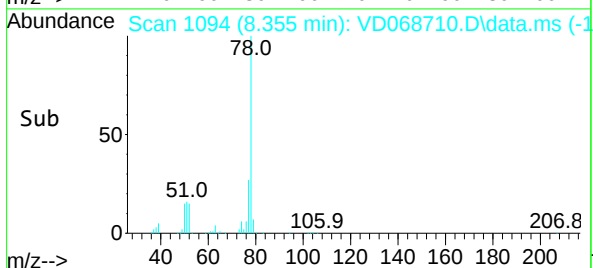
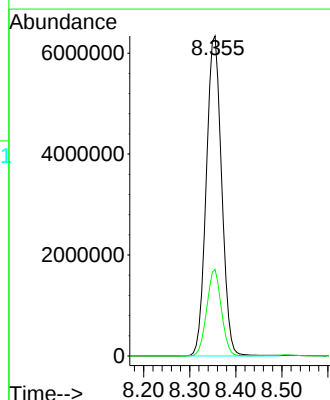
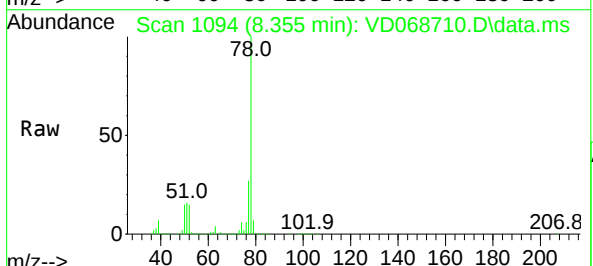
Delta R.T. -0.000 min

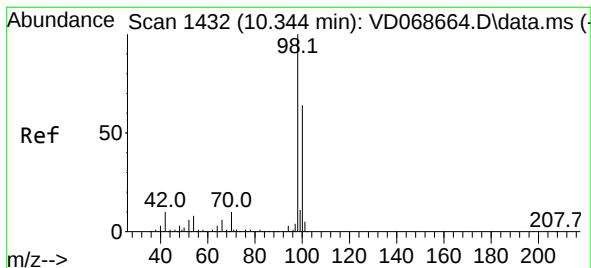
Lab File: VD068710.D

Acq: 29 Mar 2021 20:50

Tgt Ion: 78 Resp:14754860

Ion	Ratio	Lower	Upper
78	100		
77	27.0	18.2	27.2

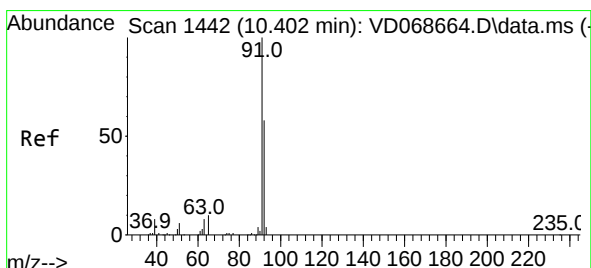
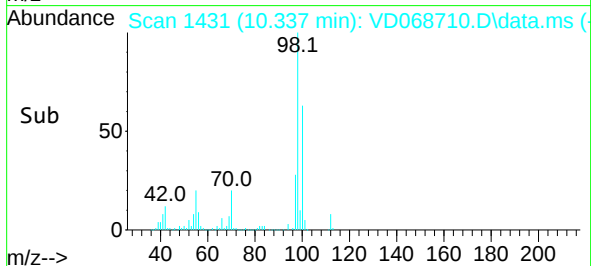
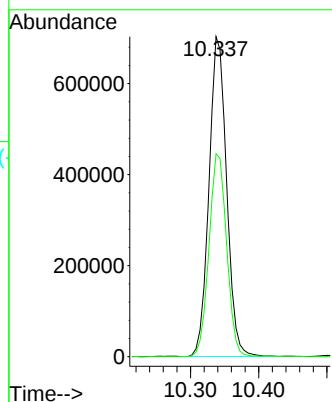
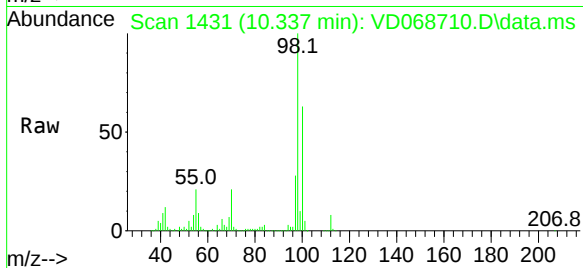




#50
Toluene-d8
Concen: 54.33 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

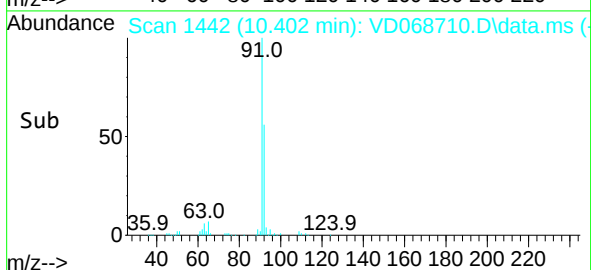
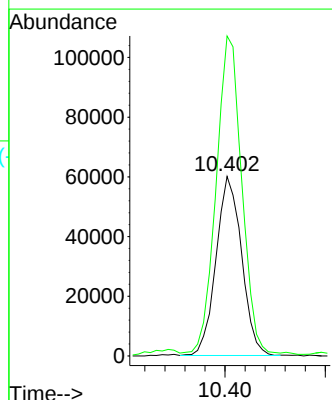
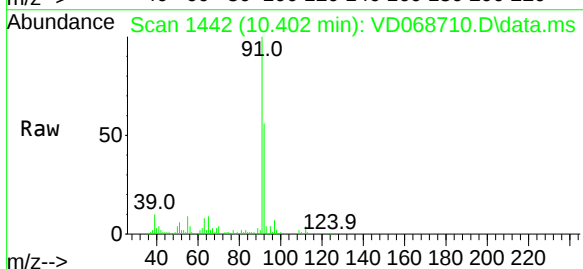
Instrument :
MSVOA_D
ClientSampleId :
B1-0-2

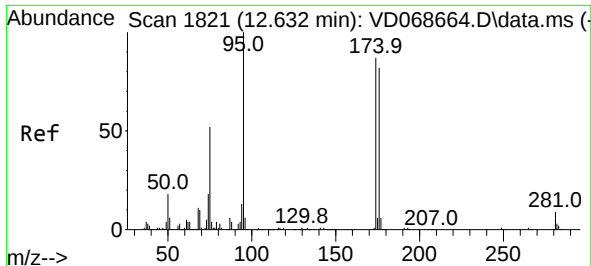
Tgt Ion: 98 Resp: 1264273
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.6



#52
Toluene
Concen: 6.62 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

Tgt Ion: 92 Resp: 105867
Ion Ratio Lower Upper
92 100
91 179.2 139.1 208.7

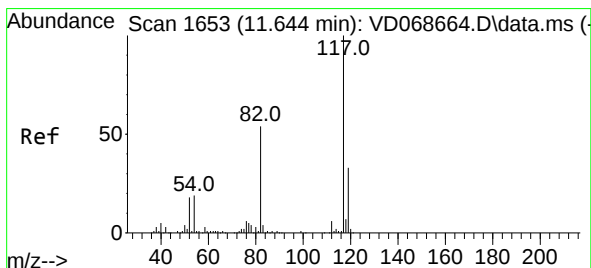
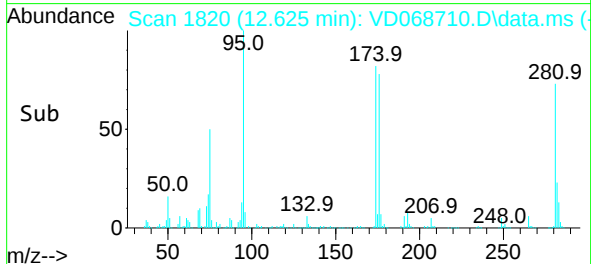
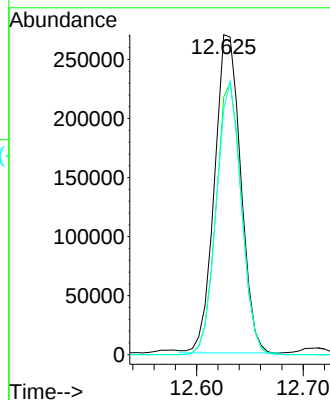
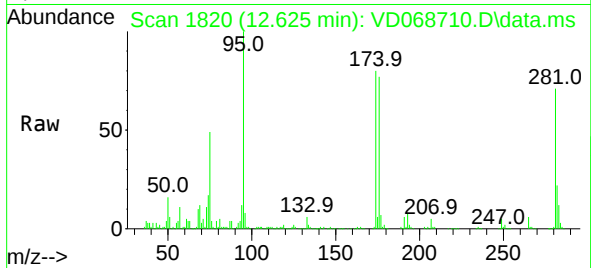




#62
4-Bromofluorobenzene
Concen: 61.01 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

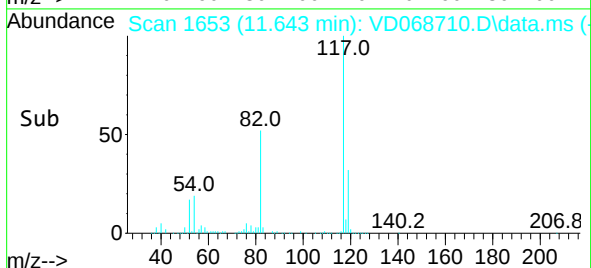
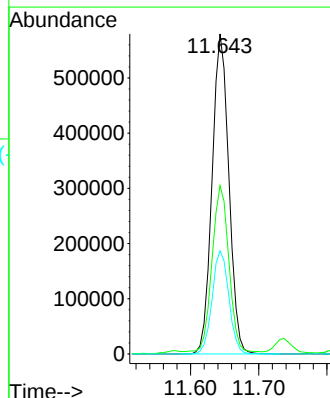
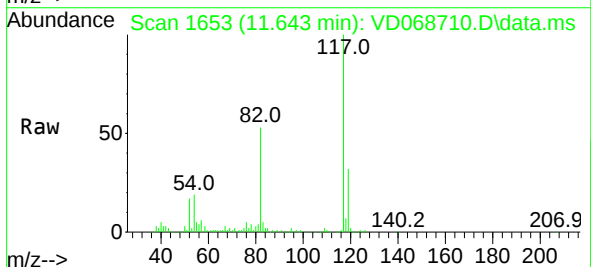
Instrument :
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B1-0-2

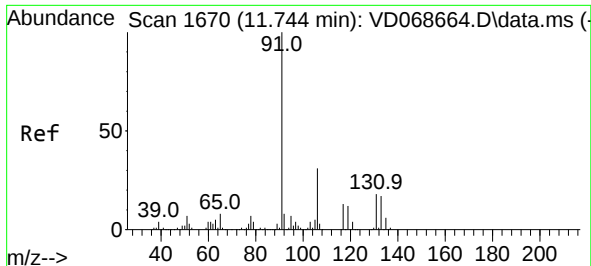
Tgt Ion: 95 Resp: 460297
Ion Ratio Lower Upper
95 100
174 82.8 0.0 168.0
176 81.9 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

Tgt Ion:117 Resp: 992687
Ion Ratio Lower Upper
117 100
82 51.8 43.5 65.3
119 32.2 26.7 40.1

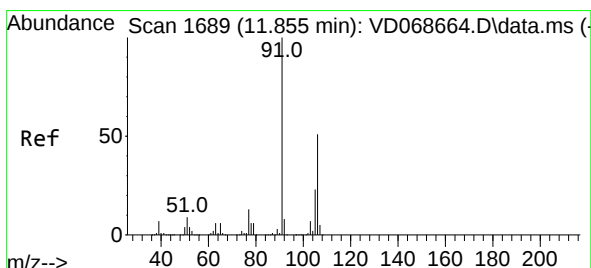
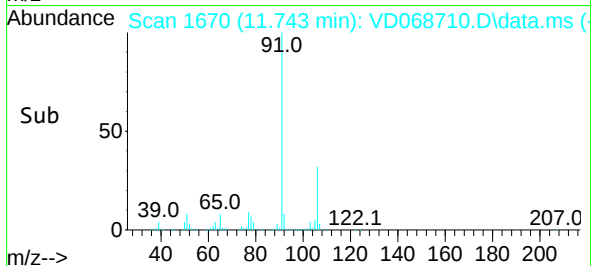
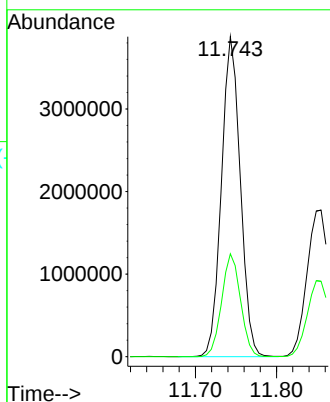
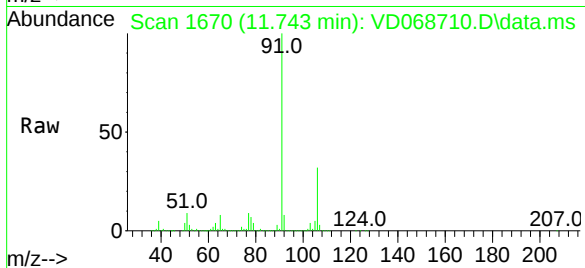




#67
Ethyl Benzene
Concen: 183.79 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

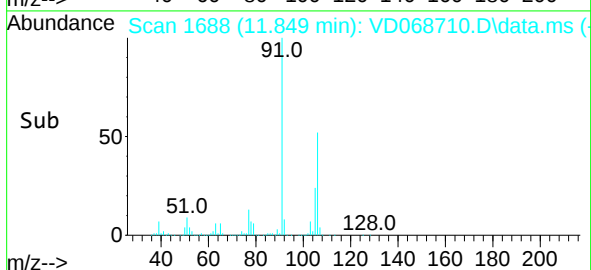
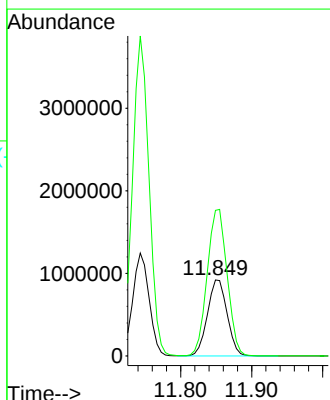
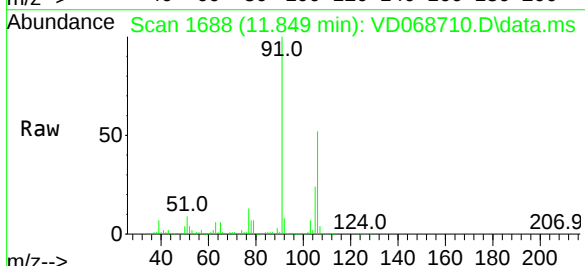
Instrument :
MSVOA_D
ClientSampleId :
B1-0-2

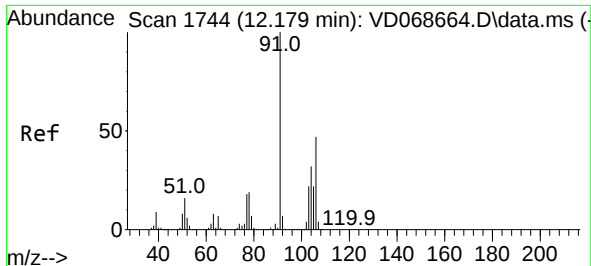
Tgt Ion: 91 Resp: 6263722
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7



#68
m/p-Xylenes
Concen: 133.00 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

Tgt Ion:106 Resp: 1765996
Ion Ratio Lower Upper
106 100
91 195.8 158.6 238.0

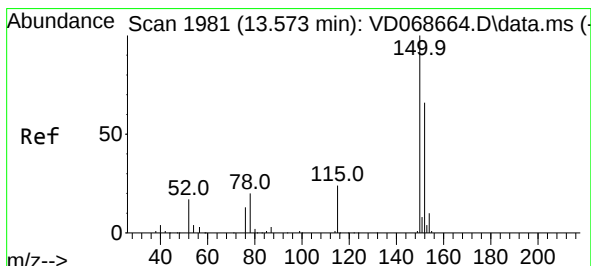
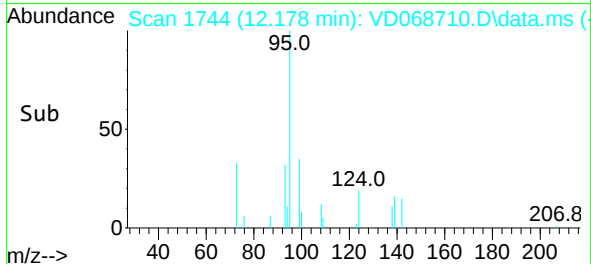
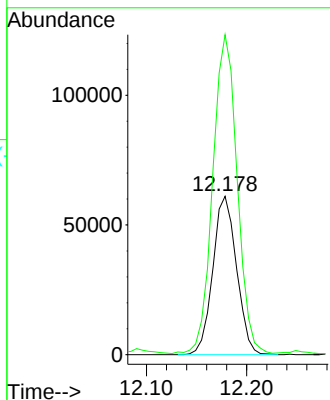
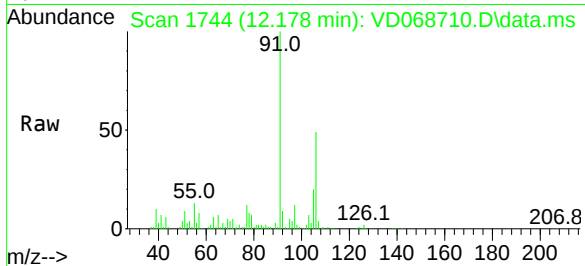




#69
o-Xylene
Concen: 8.15 ug/l
RT: 12.178 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

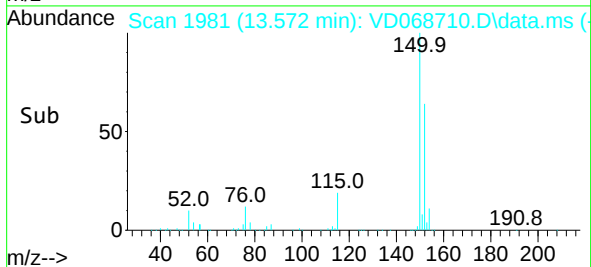
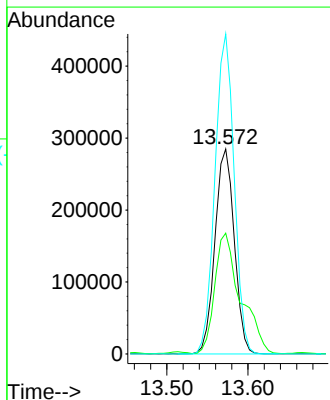
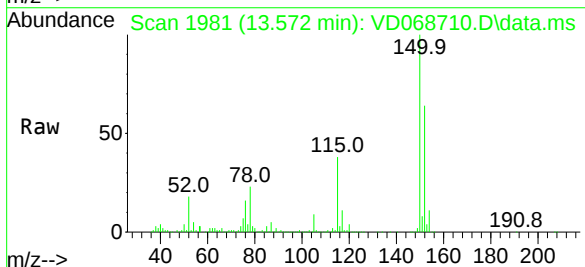
Instrument :
MSVOA_D
ClientSampleId :
B1-0-2

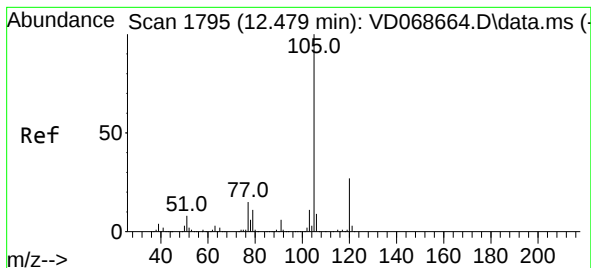
Tgt Ion:106 Resp: 100256
Ion Ratio Lower Upper
106 100
91 206.5 105.0 315.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.572 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

Tgt Ion:152 Resp: 472962
Ion Ratio Lower Upper
152 100
115 78.5 29.3 87.8
150 154.8 0.0 347.6

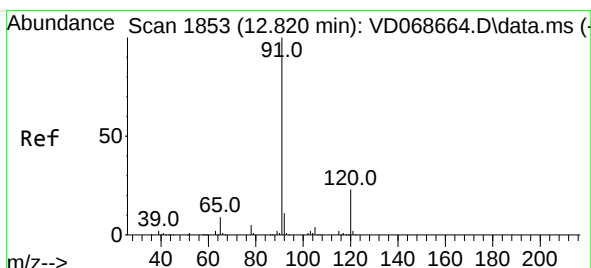
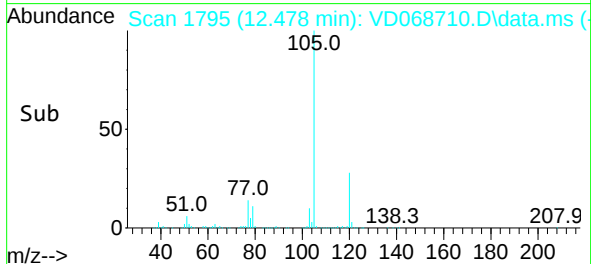
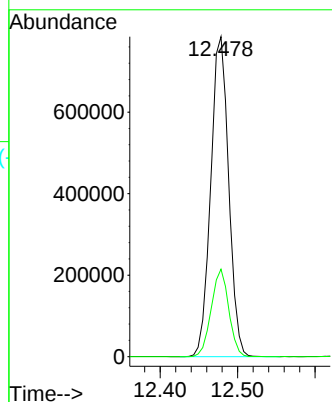
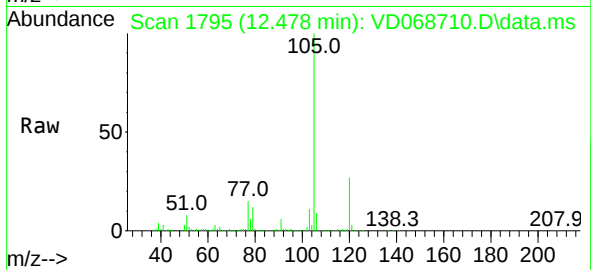




#73
Isopropylbenzene
Concen: 38.83 ug/l
RT: 12.478 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

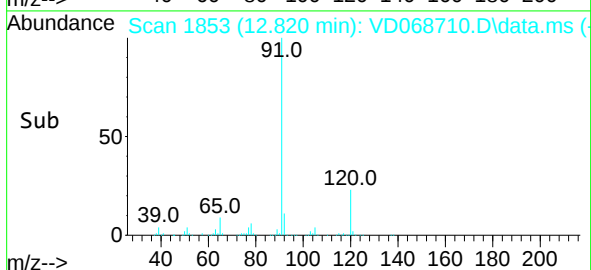
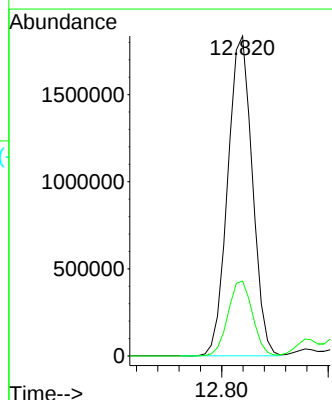
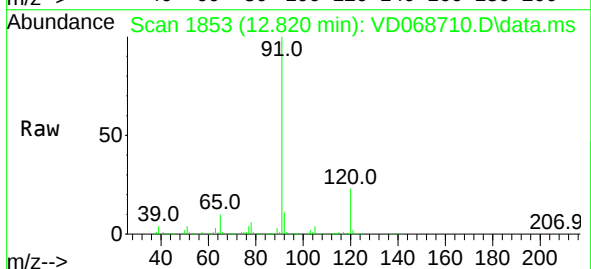
Instrument :
MSVOA_D
ClientSampleId :
B1-0-2

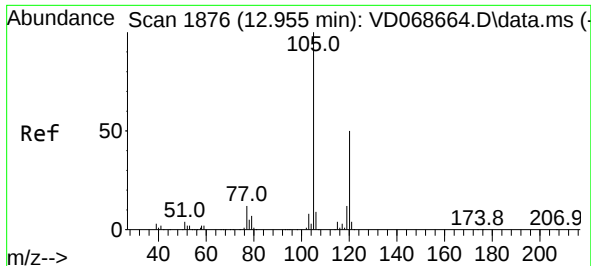
Tgt Ion:105 Resp: 1261717
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2



#78
n-propylbenzene
Concen: 76.12 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

Tgt Ion: 91 Resp: 2945225
Ion Ratio Lower Upper
91 100
120 23.3 11.4 34.2

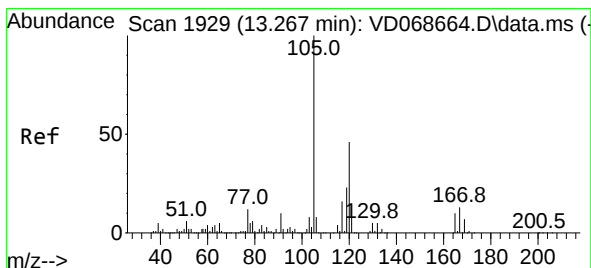
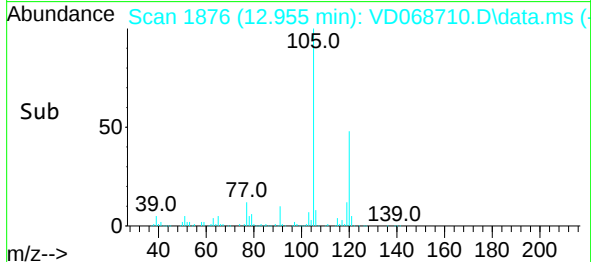
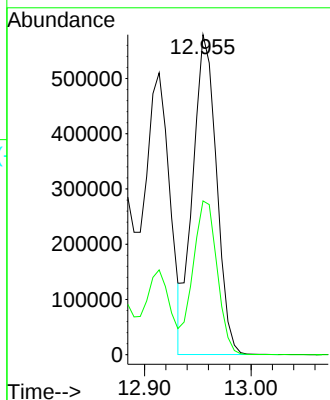
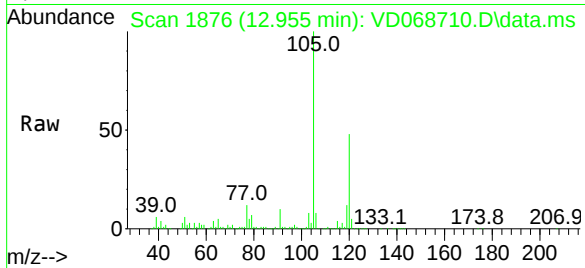




#80
1,3,5-Trimethylbenzene
Concen: 34.10 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

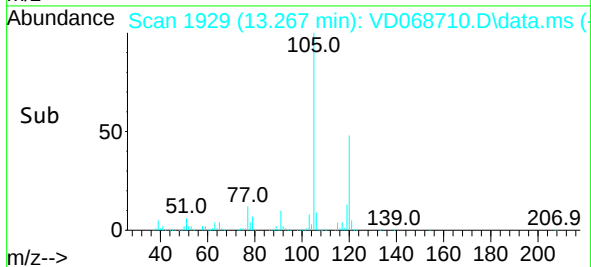
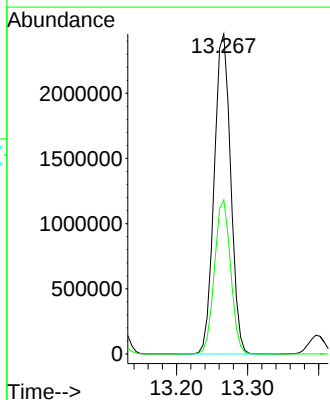
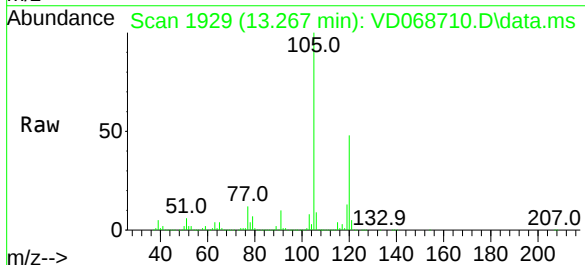
Instrument :
MSVOA_D
ClientSampleId :
B1-0-2

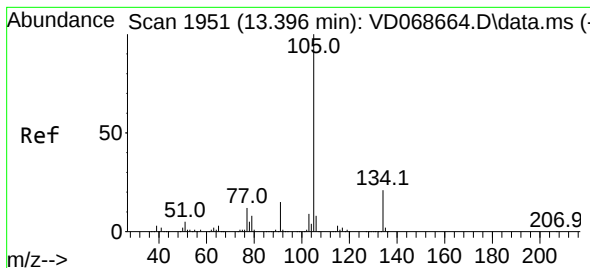
Tgt Ion:105 Resp: 896077
Ion Ratio Lower Upper
105 100
120 49.5 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 145.09 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

Tgt Ion:105 Resp: 3939121
Ion Ratio Lower Upper
105 100
120 47.2 22.6 67.7

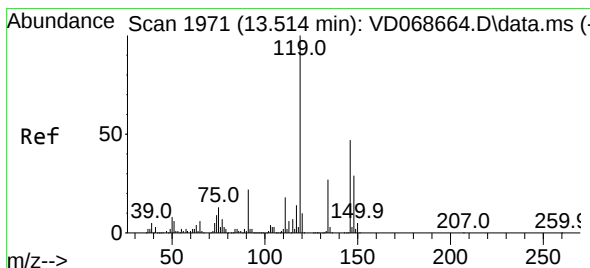
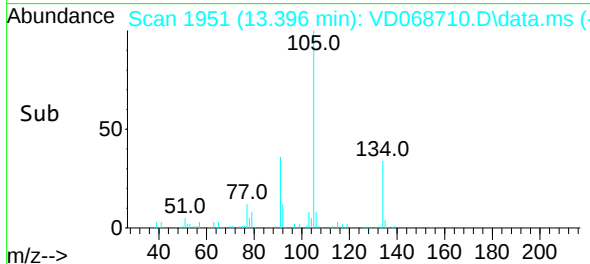
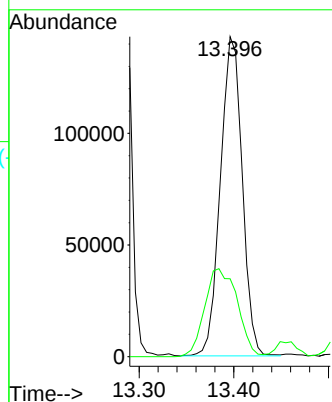
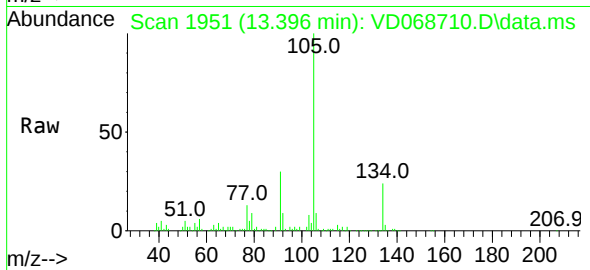




#85
 sec-Butylbenzene
 Concen: 7.04 ug/l
 RT: 13.396 min Scan# 1951
 Delta R.T. -0.000 min
 Lab File: VD068710.D
 Acq: 29 Mar 2021 20:50

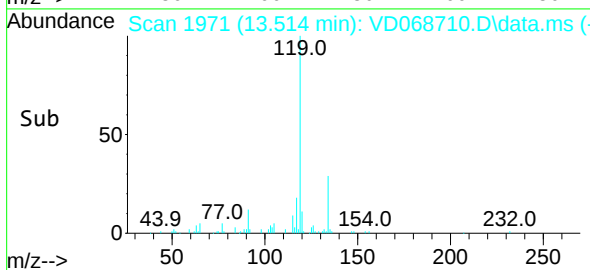
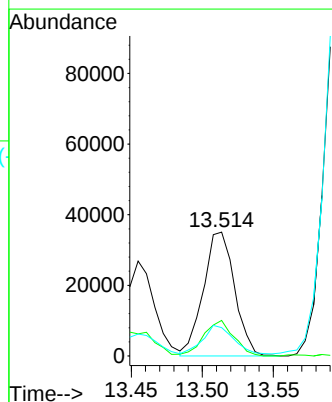
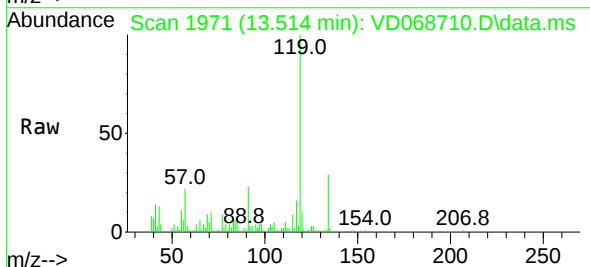
Instrument :
 MSVOA_D
 ClientSampleId :
 B1-0-2

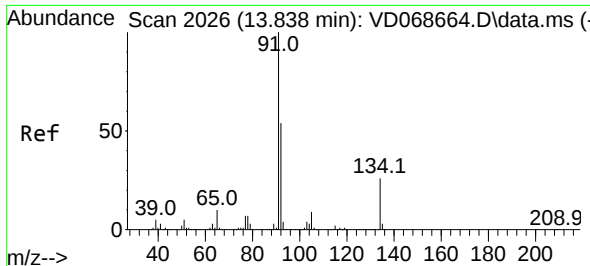
Tgt Ion:105 Resp: 229280
 Ion Ratio Lower Upper
 105 100
 134 41.2 10.0 29.8#



#86
 p-Isopropyltoluene
 Concen: 1.81 ug/l
 RT: 13.514 min Scan# 1971
 Delta R.T. -0.000 min
 Lab File: VD068710.D
 Acq: 29 Mar 2021 20:50

Tgt Ion:119 Resp: 53677
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.3 39.9
 91 0.0 11.1 33.1#

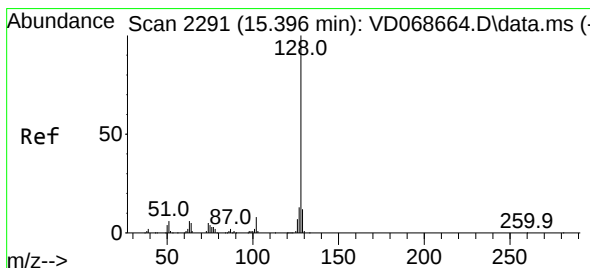
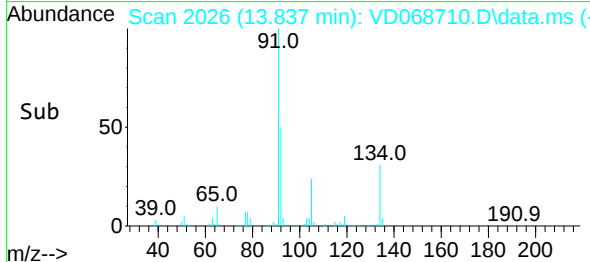
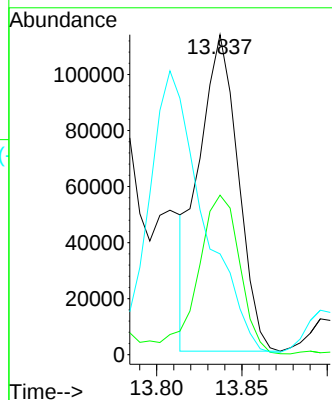
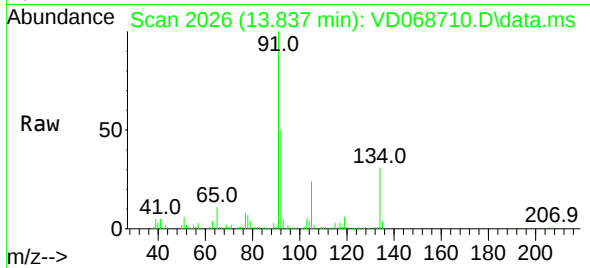




#89
n-Butylbenzene
Concen: 6.42 ug/l
RT: 13.837 min Scan# 2026
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

Instrument :
MSVOA_D
ClientSampleId :
B1-0-2

Tgt Ion: 91 Resp: 180551
Ion Ratio Lower Upper
91 100
92 53.2 26.7 80.1
134 0.0 12.9 38.6#



#95
Naphthalene
Concen: 2.77 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.000 min
Lab File: VD068710.D
Acq: 29 Mar 2021 20:50

Tgt Ion:128 Resp: 40652
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.4
129 12.1 8.9 13.3

