

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012221\
 Data File : VD068151.D
 Acq On : 22 Jan 2021 13:16
 Operator : VA/SY
 Sample : M1189-04
 Misc : 3.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 41047

Quant Time: Jan 22 23:58:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

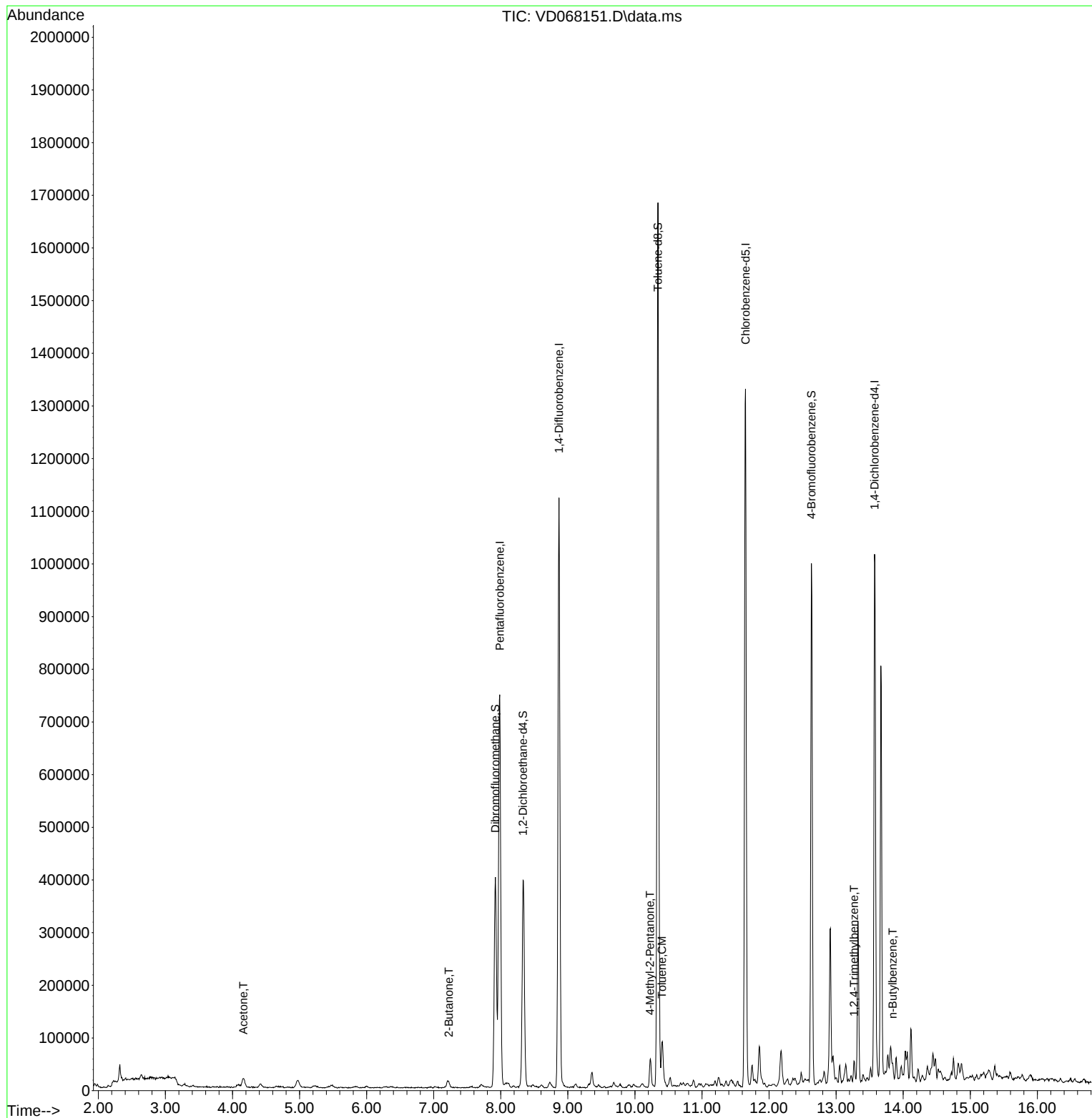
Internal Standards						
1) Pentafluorobenzene	7.985	168	559786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	979637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	808981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	276800	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	316457	59.10	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 118.20%		
35) Dibromofluoromethane	7.920	113	291126	53.75	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 107.50%		
50) Toluene-d8	10.343	98	1149994	53.08	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 106.16%		
62) 4-Bromofluorobenzene	12.632	95	344497	44.16	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 88.32%		
Target Compounds						
						Qvalue
16) Acetone	4.161	43	32547	34.04	ug/l	94
25) 2-Butanone	7.226	43	12408	8.62	ug/l	90
51) 4-Methyl-2-Pentanone	10.226	43	35593	10.51	ug/l	98
52) Toluene	10.402	92	31372	1.74	ug/l	88
84) 1,2,4-Trimethylbenzene	13.267	105	24228	1.27	ug/l	98
89) n-Butylbenzene	13.843	91	23149	1.17	ug/l #	69

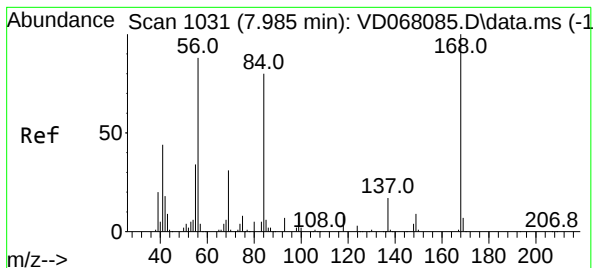
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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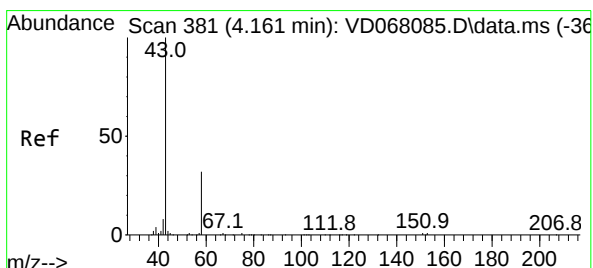
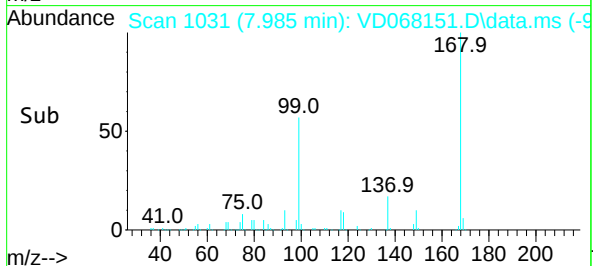
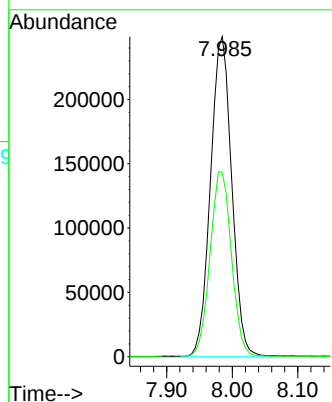
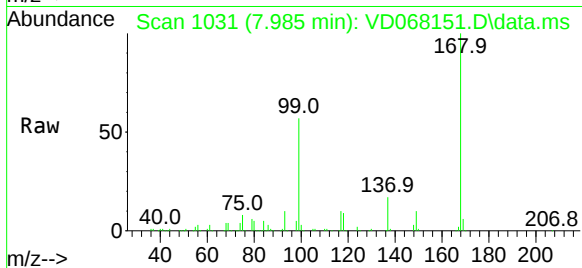




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

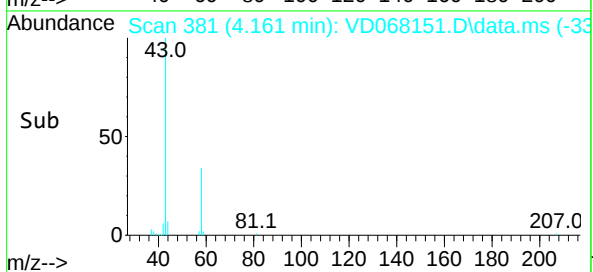
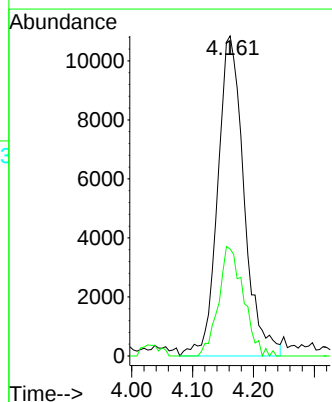
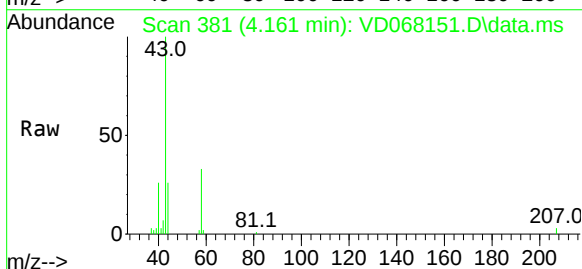
Instrument :
MSVOA_D
ClientSampleId :
41047

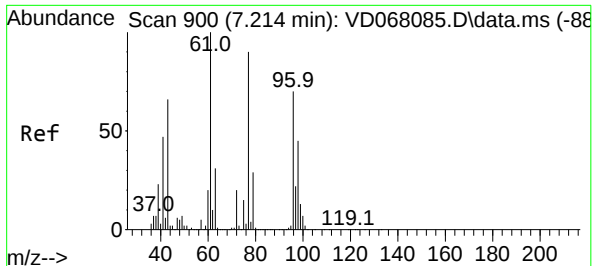
Tgt Ion:168 Resp: 559786
Ion Ratio Lower Upper
168 100
99 57.2 43.5 65.3



#16
Acetone
Concen: 34.04 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion: 43 Resp: 32547
Ion Ratio Lower Upper
43 100
58 33.4 24.2 36.4

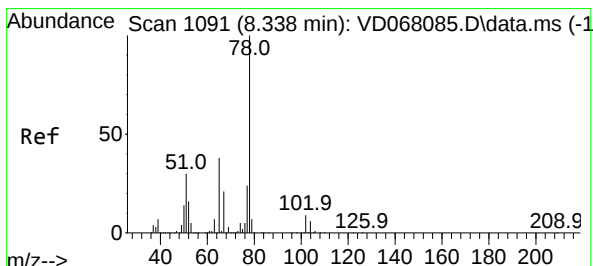
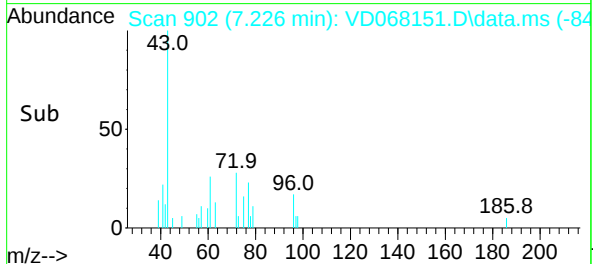
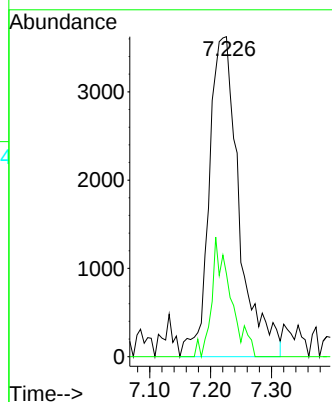
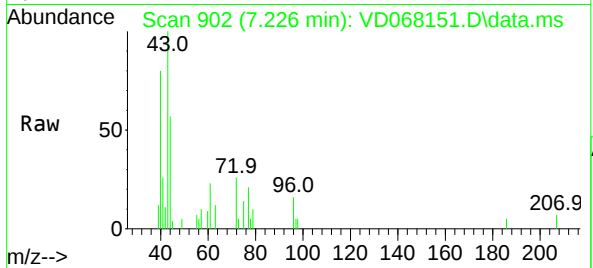




#25
2-Butanone
Concen: 8.62 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

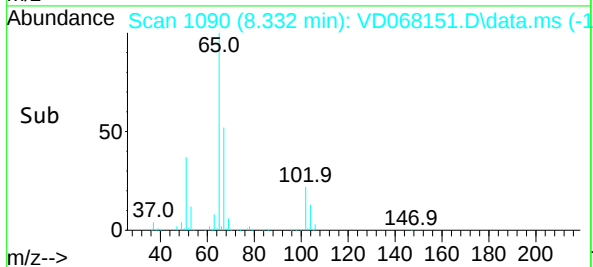
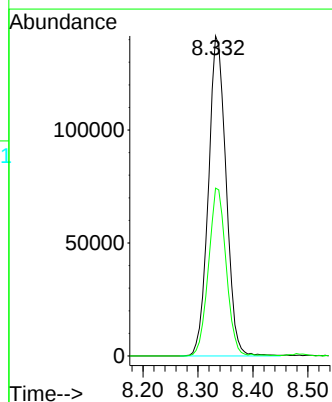
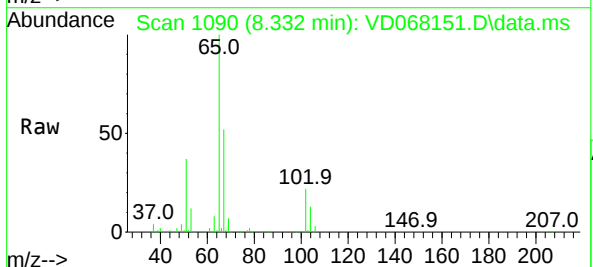
Instrument :
MSVOA_D
ClientSampleId :
41047

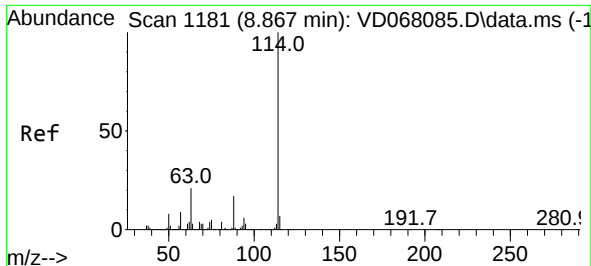
Tgt Ion: 43 Resp: 12408
Ion Ratio Lower Upper
43 100
72 25.9 25.1 37.7



#33
1,2-Dichloroethane-d4
Concen: 59.10 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion: 65 Resp: 316457
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.0

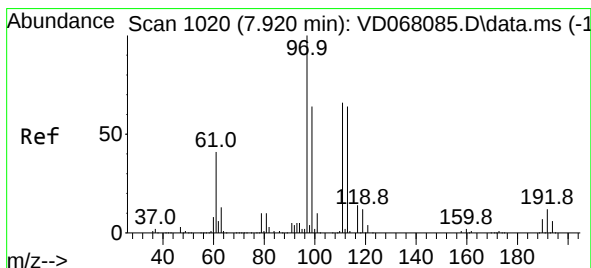
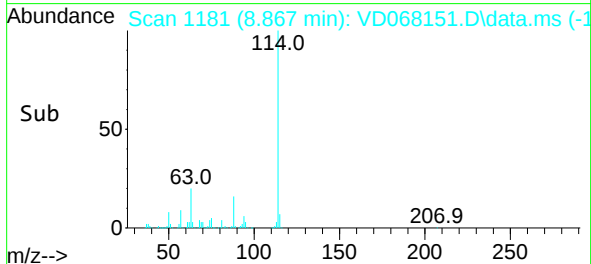
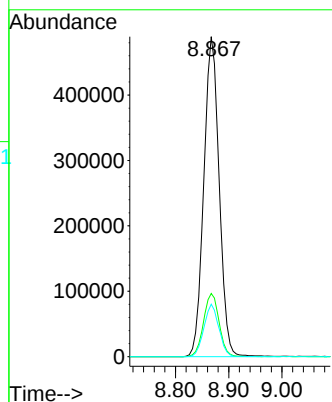
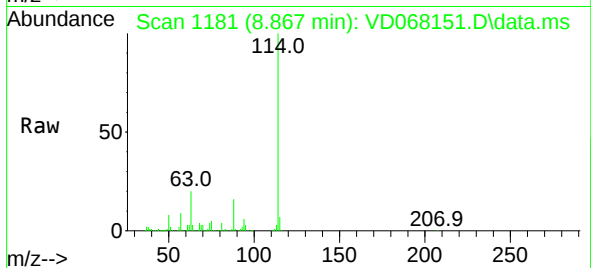




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

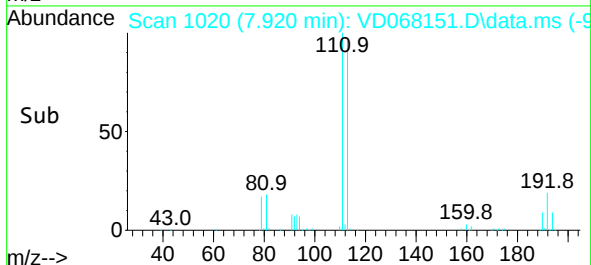
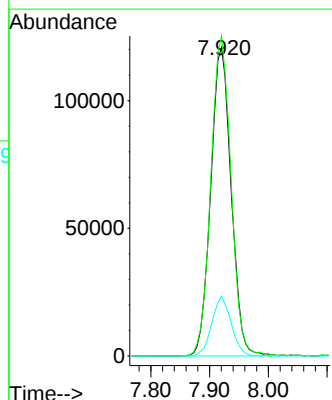
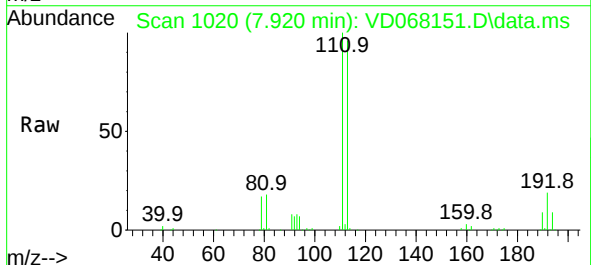
Instrument :
MSVOA_D
ClientSampleId :
41047

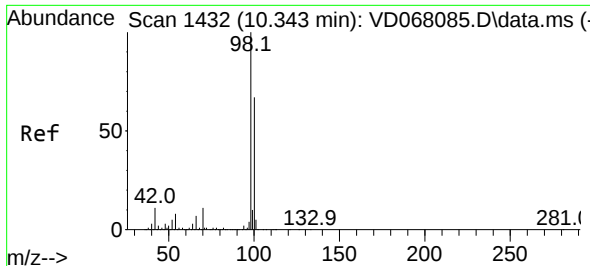
Tgt Ion:114 Resp: 979637
Ion Ratio Lower Upper
114 100
63 19.7 0.0 34.8
88 16.4 0.0 31.6



#35
Dibromofluoromethane
Concen: 53.75 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion:113 Resp: 291126
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 18.3 16.1 24.1

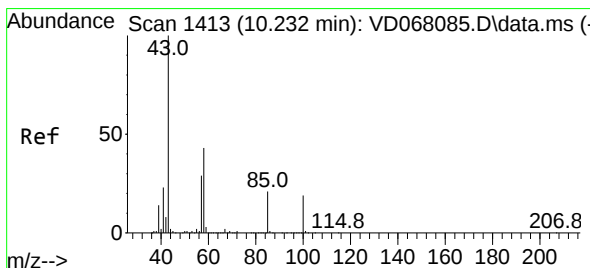
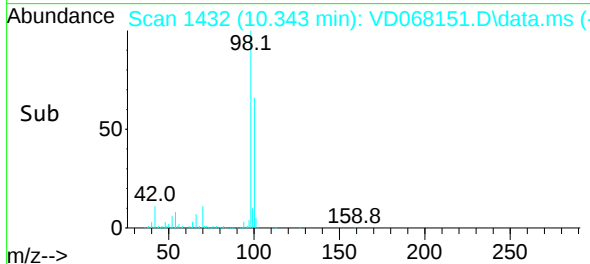
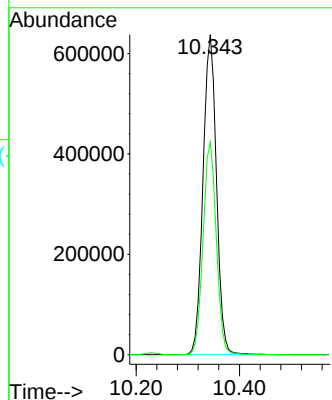
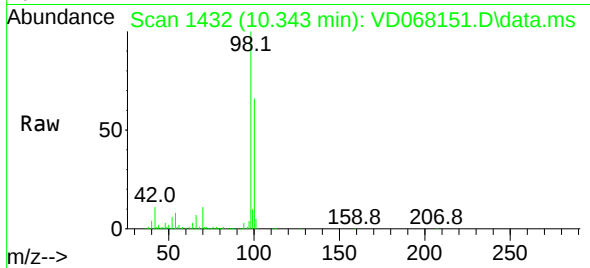




#50
Toluene-d8
Concen: 53.08 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

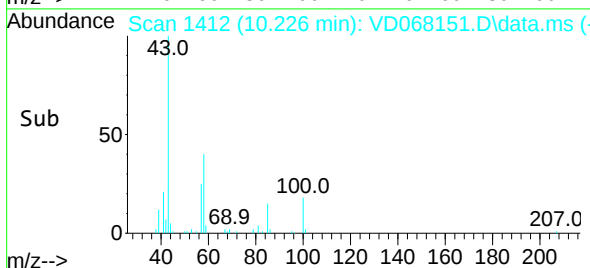
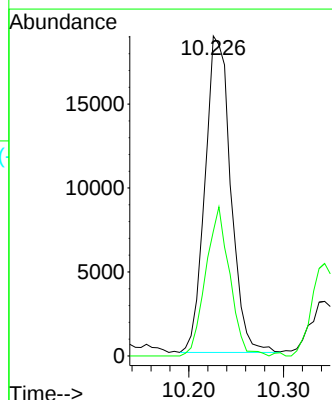
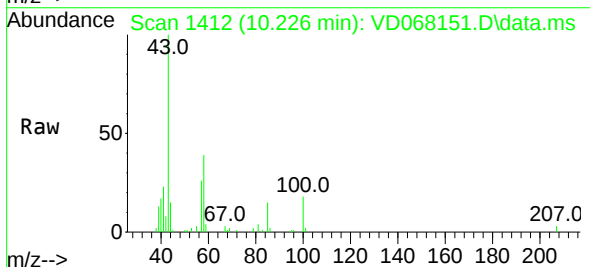
Instrument :
MSVOA_D
ClientSampleId :
41047

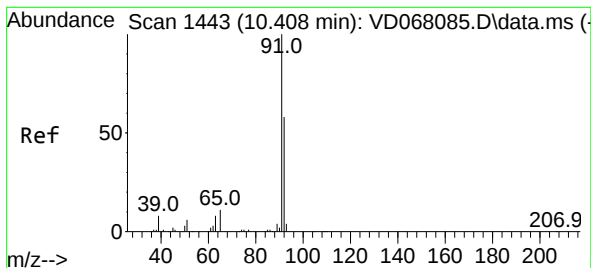
Tgt Ion: 98 Resp: 1149994
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 10.51 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion: 43 Resp: 35593
Ion Ratio Lower Upper
43 100
58 43.9 36.1 54.1





#52

Toluene

Concen: 1.74 ug/l

RT: 10.402 min Scan# 1442

Delta R.T. -0.006 min

Lab File: VD068151.D

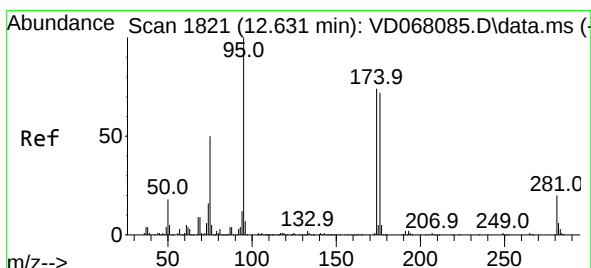
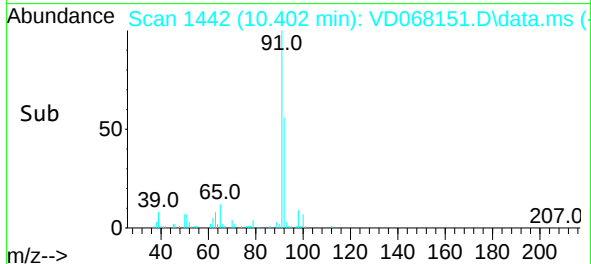
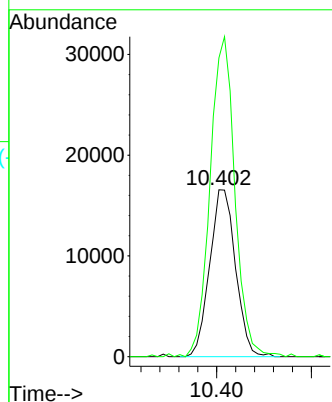
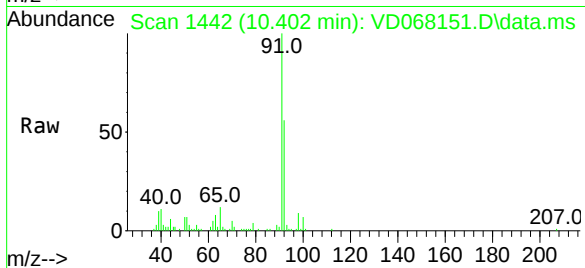
Acq: 22 Jan 2021 13:16

Tgt Ion: 92 Resp: 31372

Ion Ratio Lower Upper

92 100

91 184.1 134.1 201.1



#62

4-Bromofluorobenzene

Concen: 44.16 ug/l

RT: 12.632 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD068151.D

Acq: 22 Jan 2021 13:16

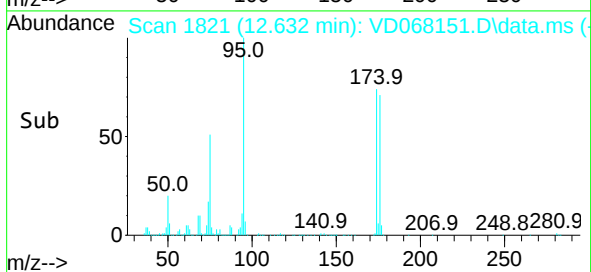
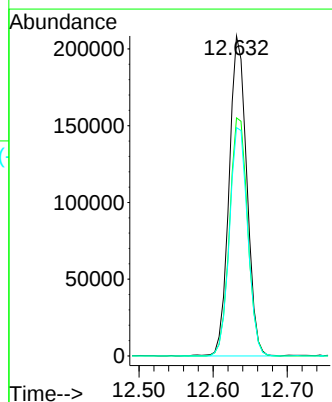
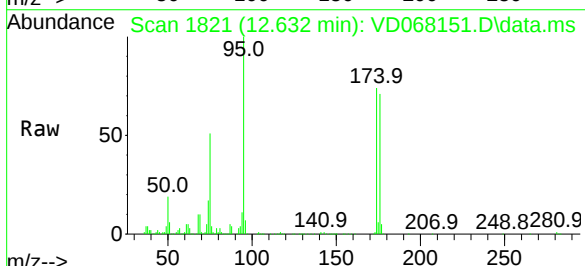
Tgt Ion: 95 Resp: 344497

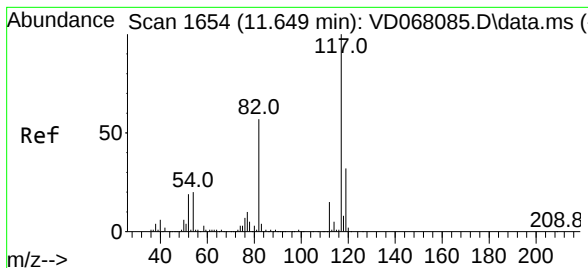
Ion Ratio Lower Upper

95 100

174 76.2 0.0 172.4

176 73.3 0.0 168.4

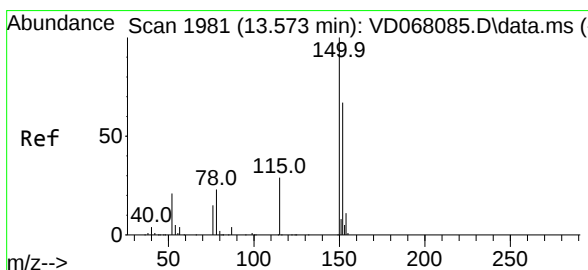
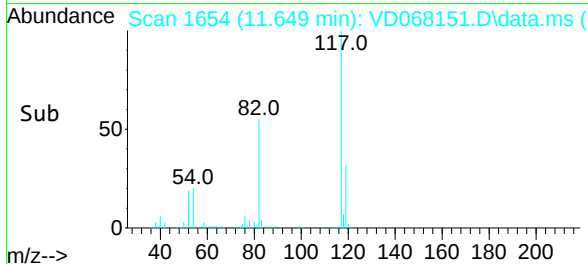
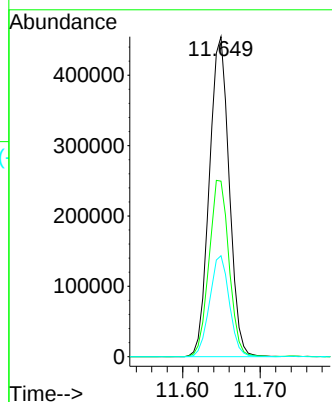
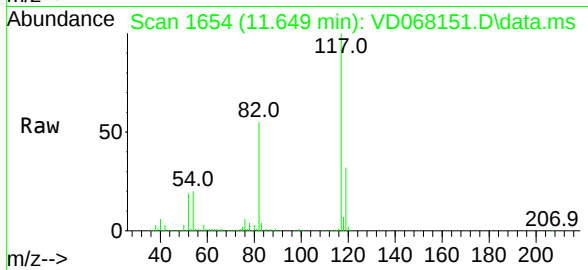




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

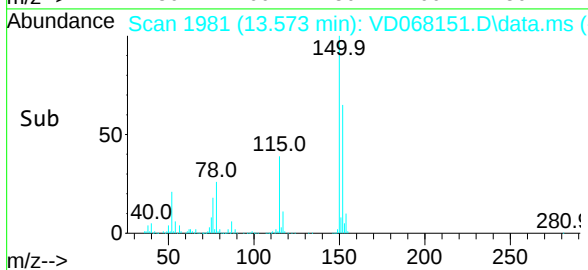
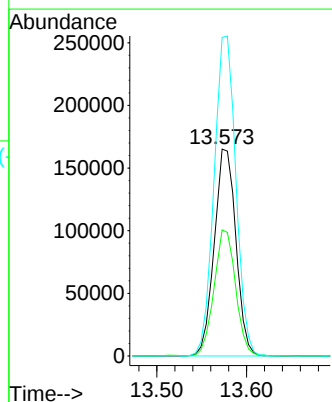
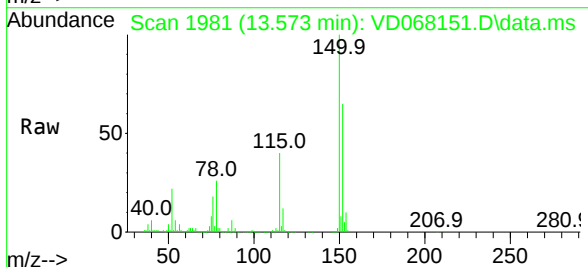
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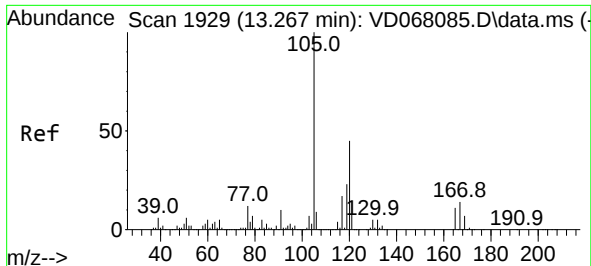
Tgt Ion:117 Resp: 808981
Ion Ratio Lower Upper
117 100
82 54.8 41.4 62.0
119 31.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion:152 Resp: 276800
Ion Ratio Lower Upper
152 100
115 60.7 28.9 86.8
150 155.8 0.0 344.4

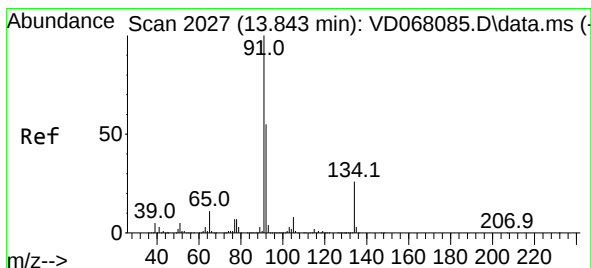
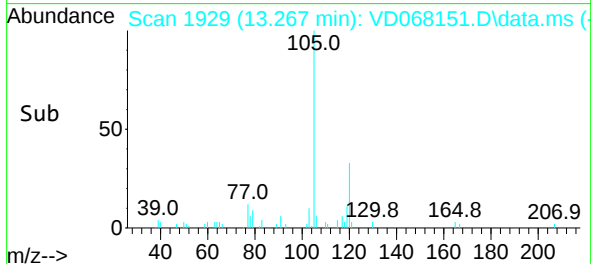
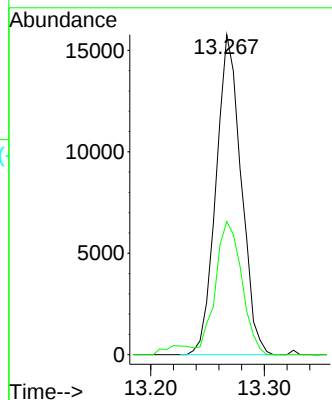
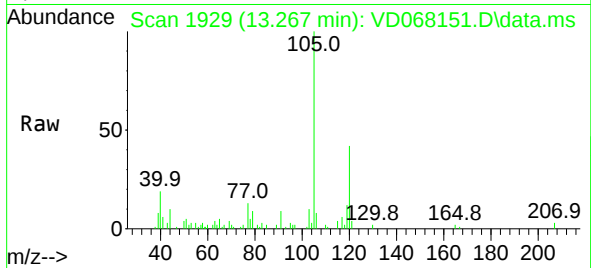




#84
1,2,4-Trimethylbenzene
Concen: 1.27 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Instrument :
MSVOA_D
ClientSampleId :
41047

Tgt Ion:105 Resp: 24228
Ion Ratio Lower Upper
105 100
120 43.6 22.4 67.0



#89
n-Butylbenzene
Concen: 1.17 ug/l
RT: 13.843 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion: 91 Resp: 23149
Ion Ratio Lower Upper
91 100
92 39.7 27.2 81.6
134 0.0 13.9 41.7#

