

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012221\
 Data File : VD068156.D
 Acq On : 22 Jan 2021 15:32
 Operator : VA/SY
 Sample : M1215-01
 Misc : 7.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-02-012221

Quant Time: Jan 22 23:59:43 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)

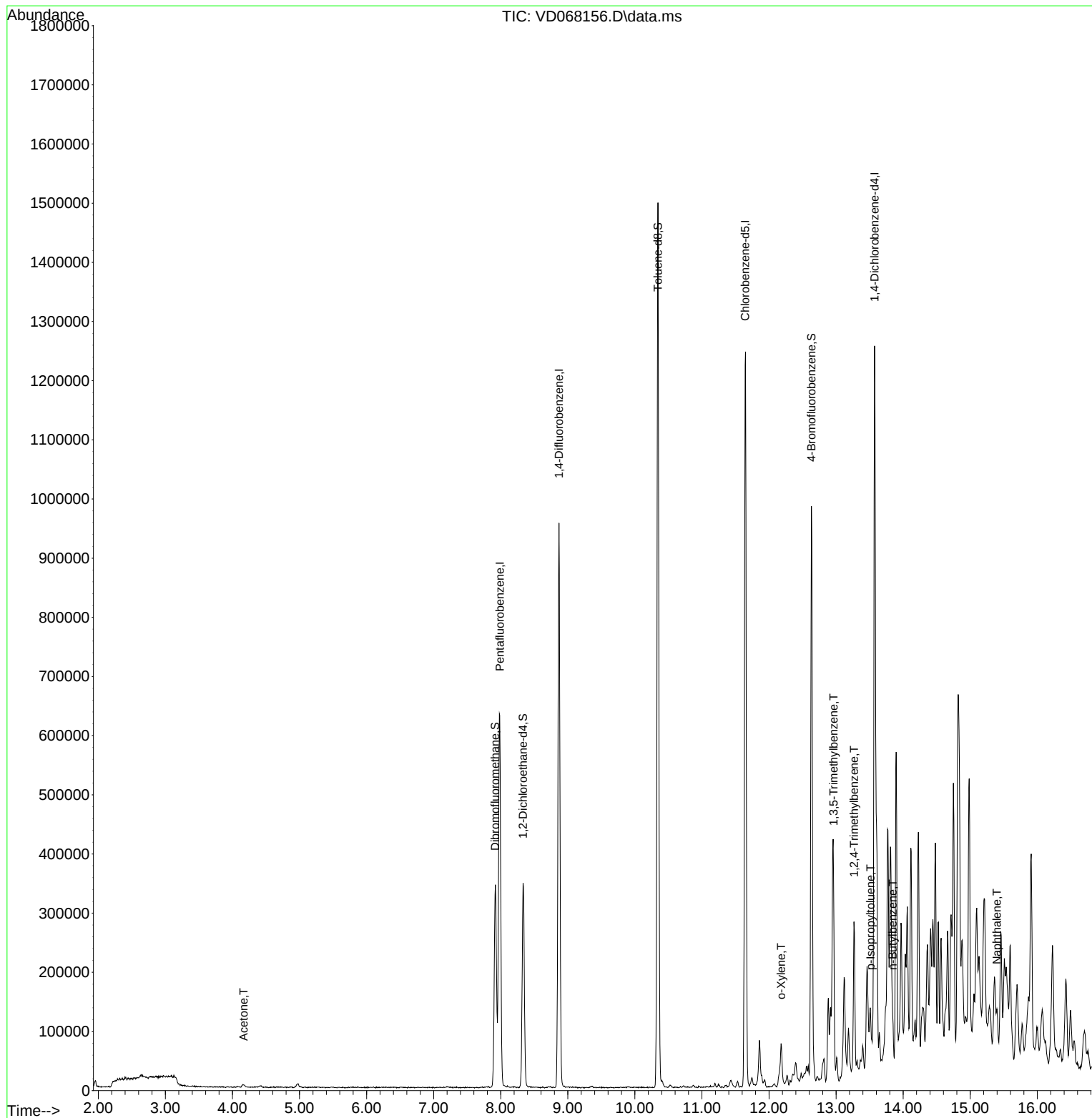
Internal Standards						
1) Pentafluorobenzene	7.985	168	482271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	847987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	743666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	315807	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	278814	60.43	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.86%	
35) Dibromofluoromethane	7.914	113	251257	53.59	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.18%	
50) Toluene-d8	10.344	98	1037595	55.33	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.66%	
62) 4-Bromofluorobenzene	12.632	95	342742	50.75	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.50%	
Target Compounds						
						Qvalue
16) Acetone	4.168	43	9303	11.29	ug/l	# 86
69) o-Xylene	12.179	106	17103	1.67	ug/l	100
80) 1,3,5-Trimethylbenzene	12.961	105	119069	5.44	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	146914	6.76	ug/l	99
86) p-Isopropyltoluene	13.514	119	32212	1.37	ug/l	98
89) n-Butylbenzene	13.844	91	39682	1.75	ug/l	# 72
95) Naphthalene	15.396	128	28499	2.39	ug/l	96

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

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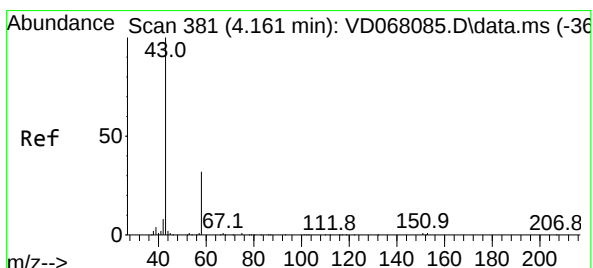
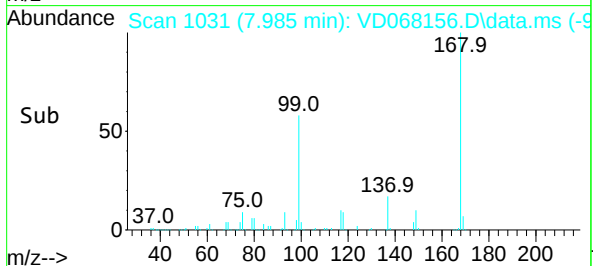
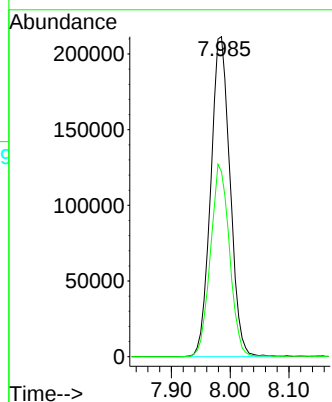
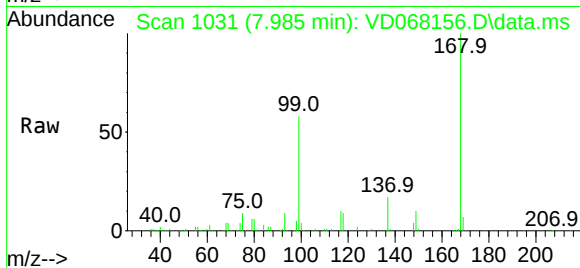




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

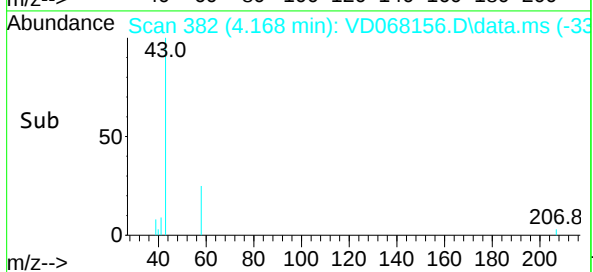
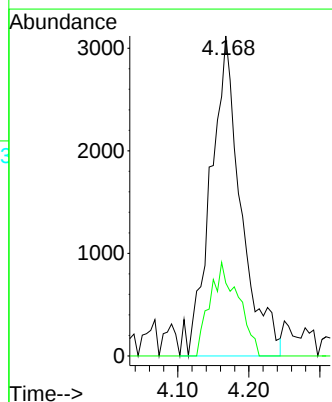
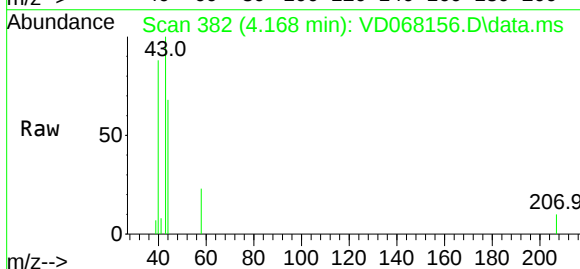
Instrument :
MSVOA_D
ClientSampleId :
HR-02-012221

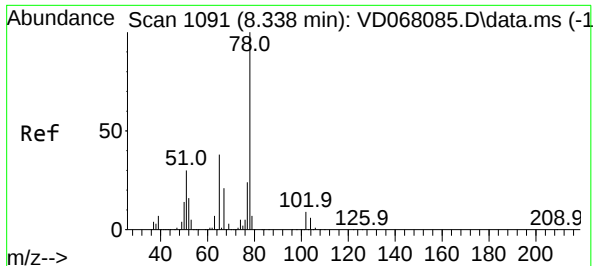
Tgt Ion:168 Resp: 482271
Ion Ratio Lower Upper
168 100
99 57.8 43.5 65.3



#16
Acetone
Concen: 11.29 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Tgt Ion: 43 Resp: 9303
Ion Ratio Lower Upper
43 100
58 22.8 24.2 36.4#

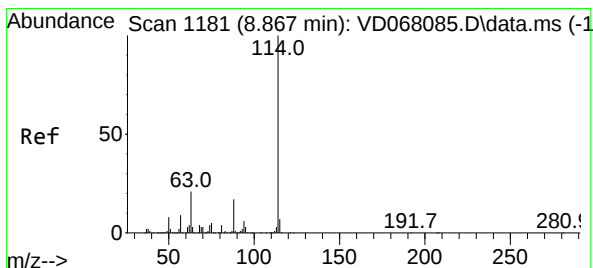
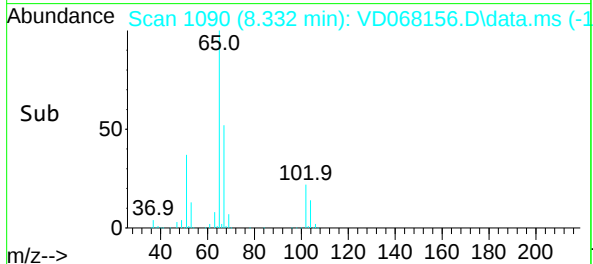
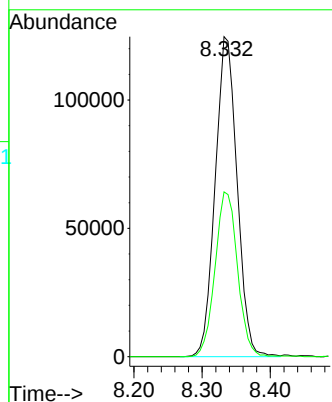
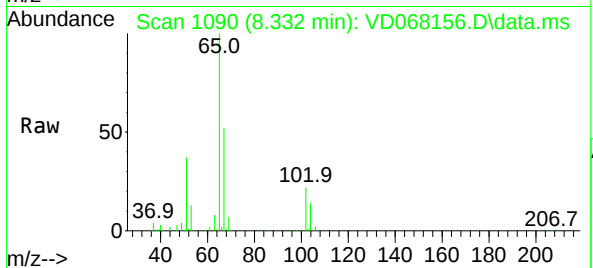




#33
1,2-Dichloroethane-d4
Concen: 60.43 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

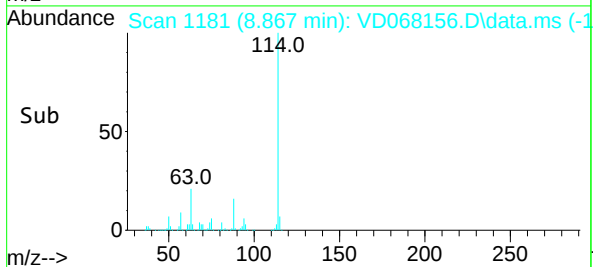
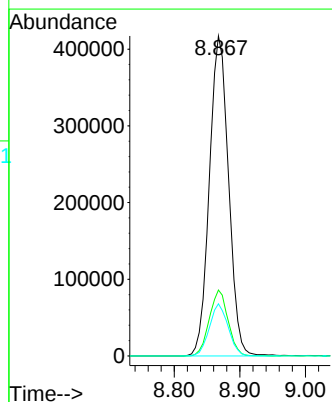
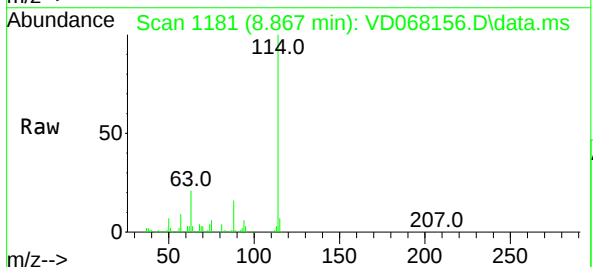
Instrument :
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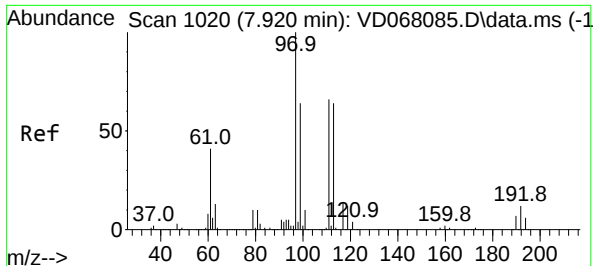
Tgt Ion: 65 Resp: 278814
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Tgt Ion: 114 Resp: 847987
Ion Ratio Lower Upper
114 100
63 20.6 0.0 34.8
88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.59 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.005 min

Lab File: VD068156.D

Acq: 22 Jan 2021 15:32

Instrument :

MSVOA_D

ClientSampleId :

HR-02-012221

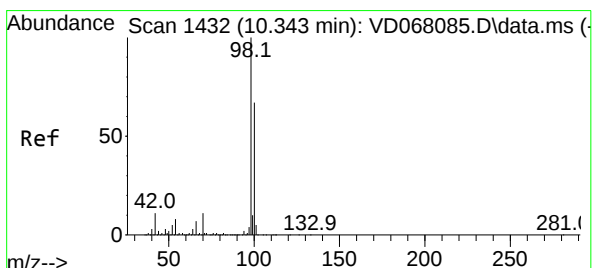
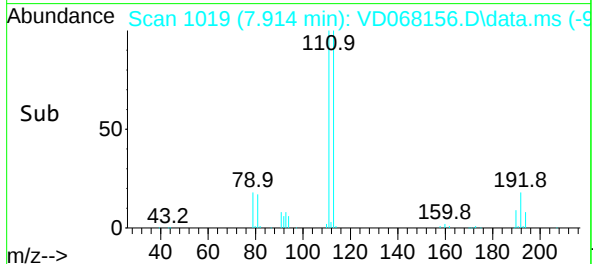
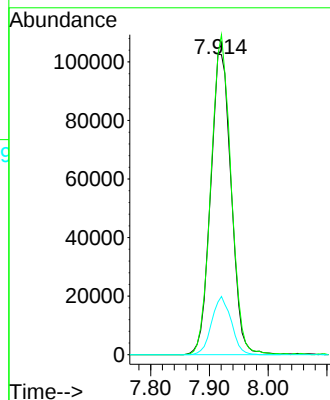
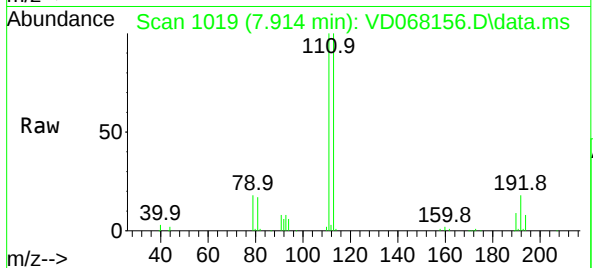
Tgt Ion:113 Resp: 251257

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 18.2 16.1 24.1



#50

Toluene-d8

Concen: 55.33 ug/l

RT: 10.344 min Scan# 1432

Delta R.T. 0.000 min

Lab File: VD068156.D

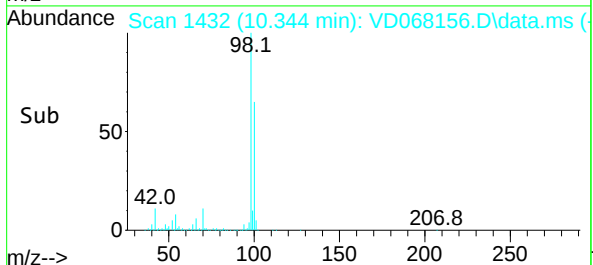
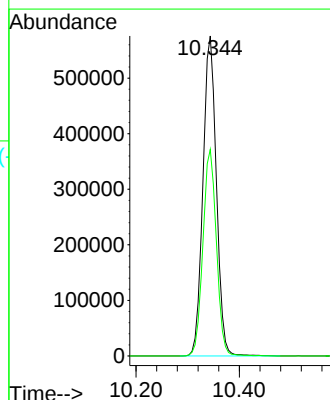
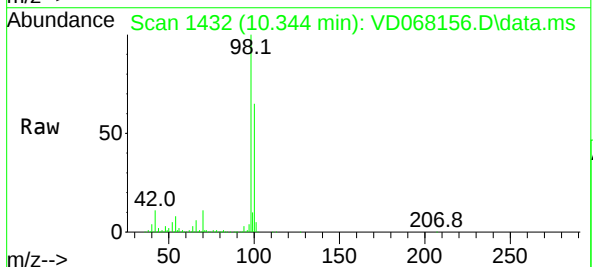
Acq: 22 Jan 2021 15:32

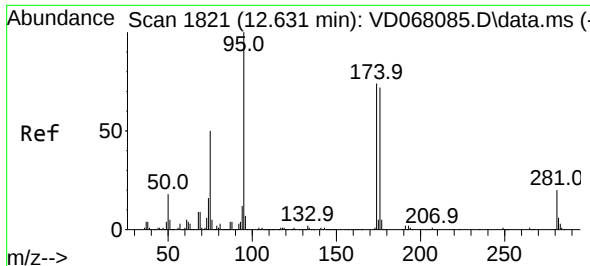
Tgt Ion: 98 Resp: 1037595

Ion Ratio Lower Upper

98 100

100 64.8 53.0 79.4

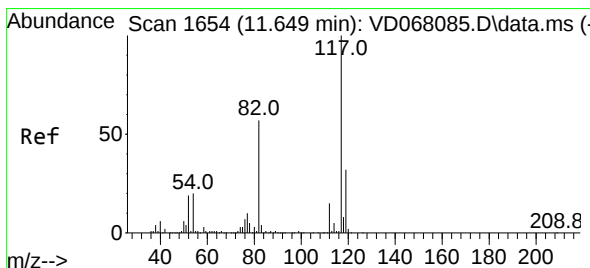
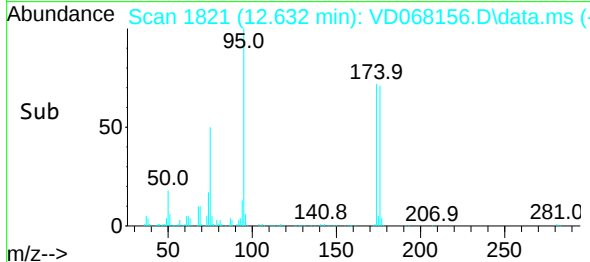
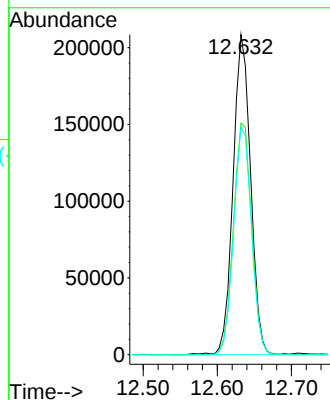
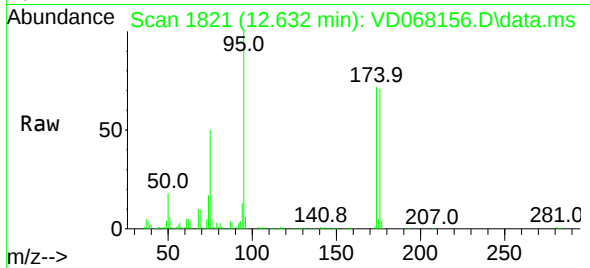




#62
4-Bromofluorobenzene
Concen: 50.75 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

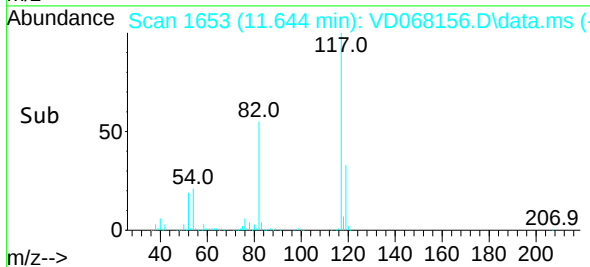
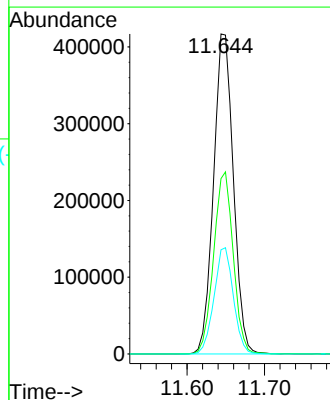
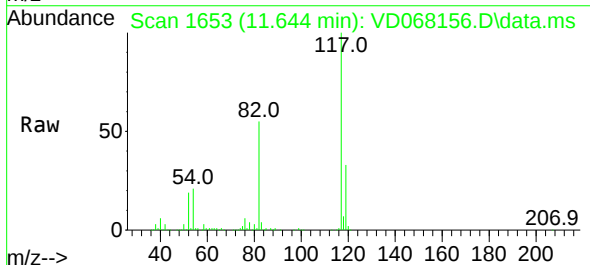
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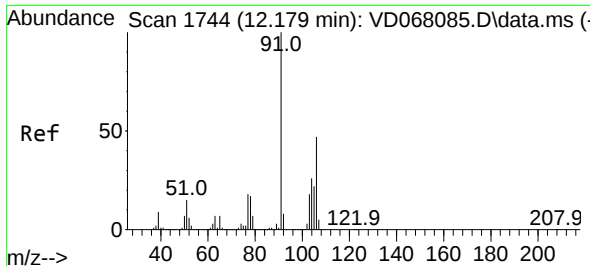
Tgt Ion: 95 Resp: 342742
Ion Ratio Lower Upper
95 100
174 75.2 0.0 172.4
176 72.2 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Tgt Ion: 117 Resp: 743666
Ion Ratio Lower Upper
117 100
82 54.8 41.4 62.0
119 32.6 26.1 39.1

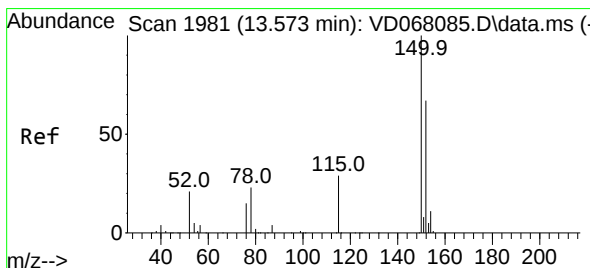
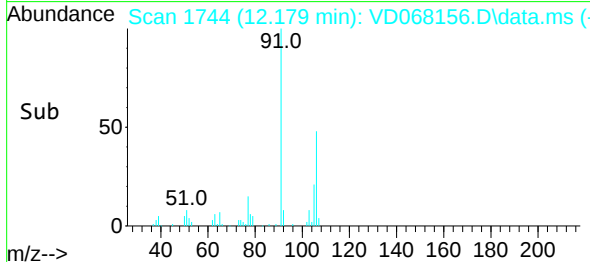
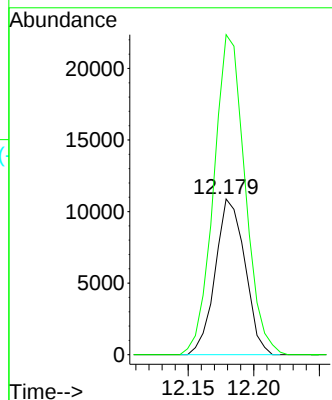
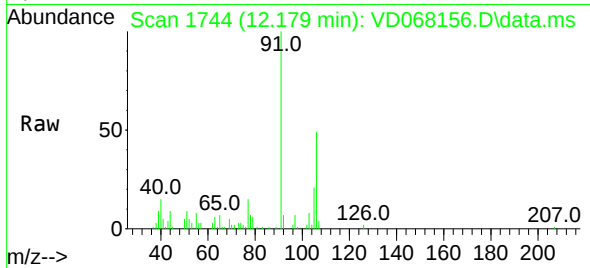




#69
o-Xylene
Concen: 1.67 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

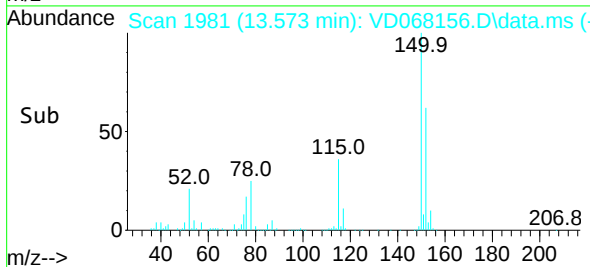
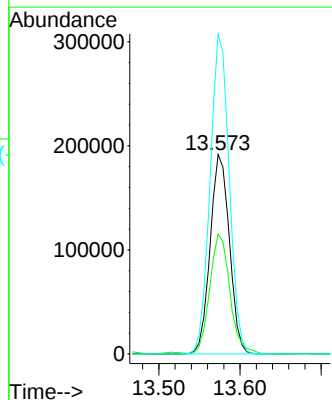
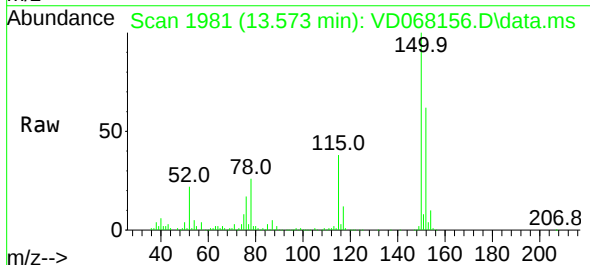
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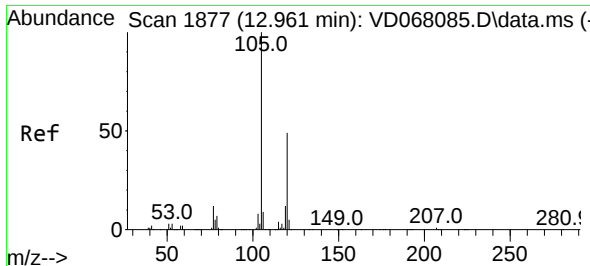
Tgt Ion:106 Resp: 17103
Ion Ratio Lower Upper
106 100
91 216.8 108.7 325.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Tgt Ion:152 Resp: 315807
Ion Ratio Lower Upper
152 100
115 62.8 28.9 86.8
150 159.0 0.0 344.4

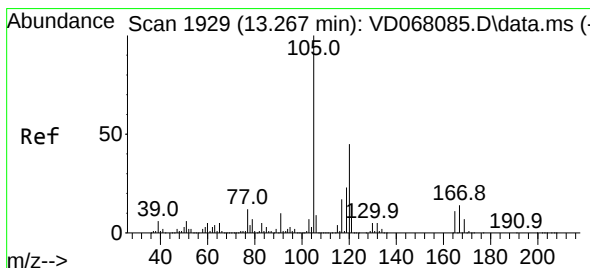
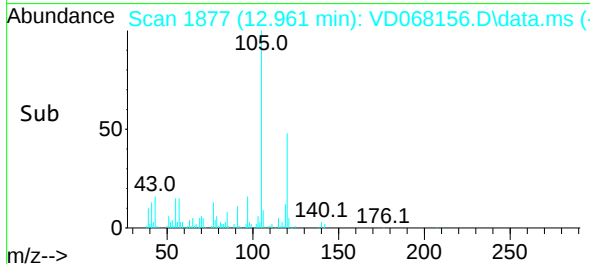
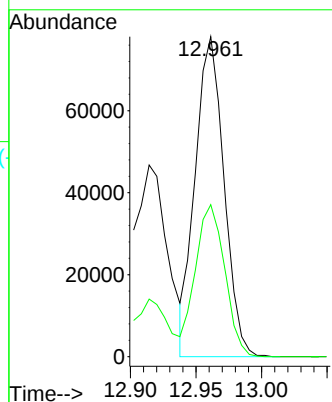
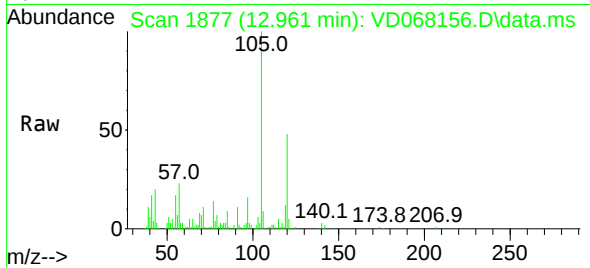




#80
1,3,5-Trimethylbenzene
Concen: 5.44 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

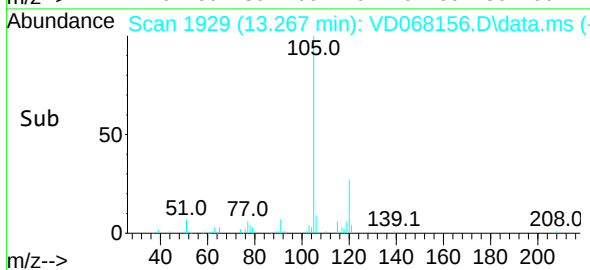
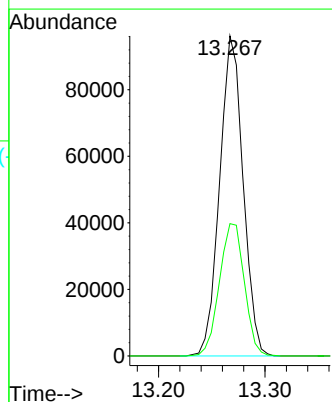
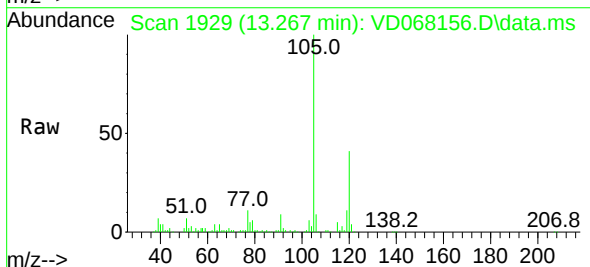
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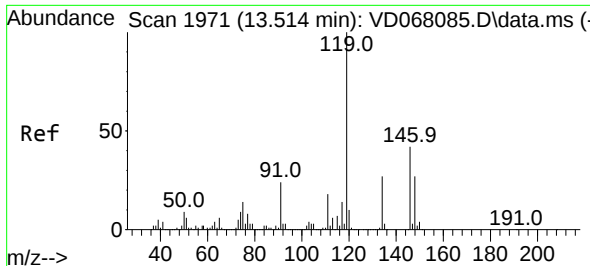
Tgt Ion:105 Resp: 119069
Ion Ratio Lower Upper
105 100
120 48.5 24.2 72.6



#84
1,2,4-Trimethylbenzene
Concen: 6.76 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Tgt Ion:105 Resp: 146914
Ion Ratio Lower Upper
105 100
120 44.0 22.4 67.0

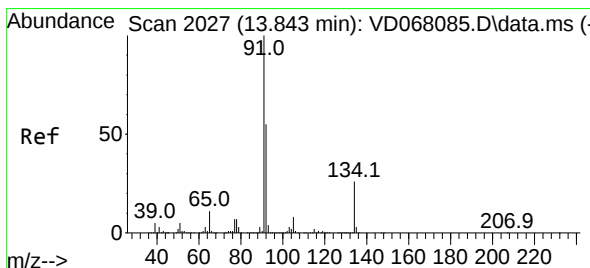
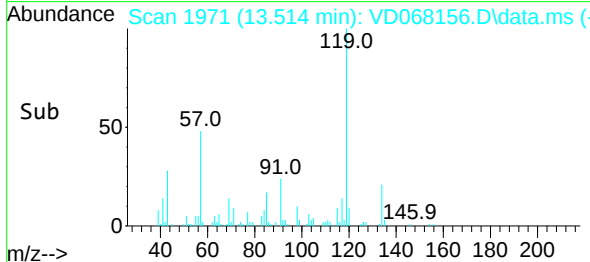
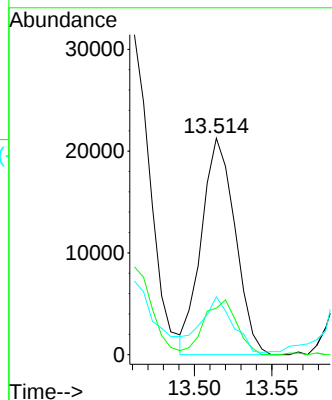
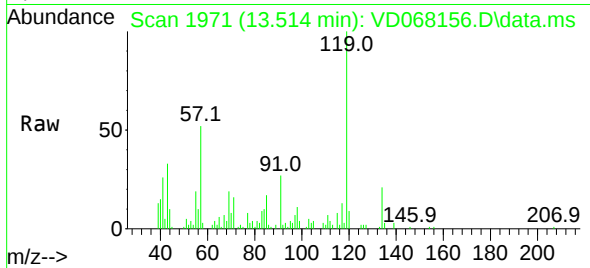




#86
p-Isopropyltoluene
Concen: 1.37 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

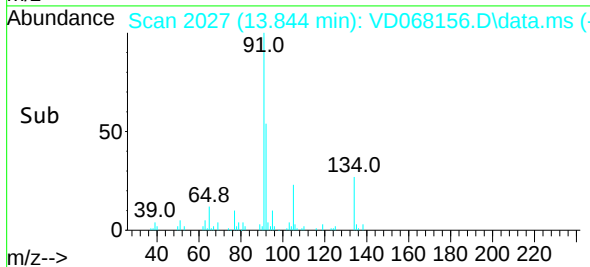
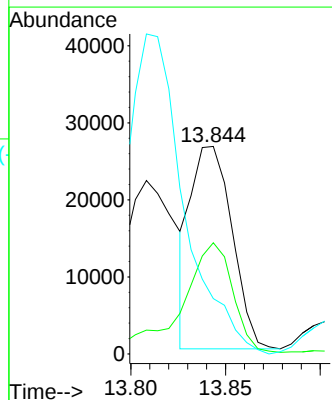
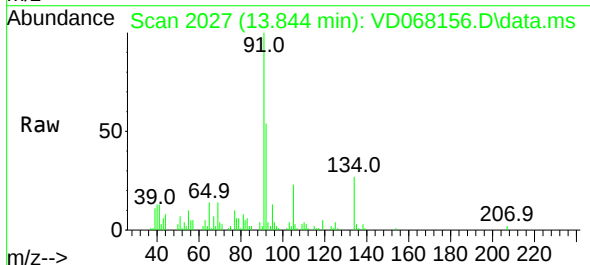
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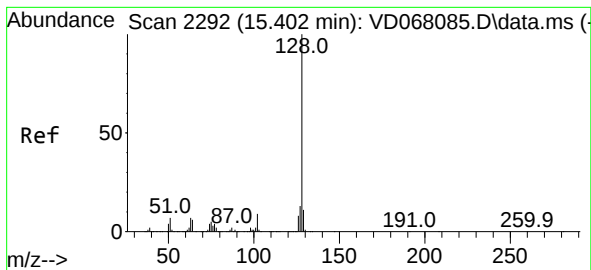
Tgt Ion:119 Resp: 32212
Ion Ratio Lower Upper
119 100
134 24.6 12.9 38.7
91 24.0 11.7 35.0



#89
n-Butylbenzene
Concen: 1.75 ug/l
RT: 13.844 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Tgt Ion: 91 Resp: 39682
Ion Ratio Lower Upper
91 100
92 65.4 27.2 81.6
134 0.0 13.9 41.7#





#95
Naphthalene
Concen: 2.39 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.005 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Instrument :
MSVOA_D
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Tgt Ion:128 Resp: 28499
Ion Ratio Lower Upper
128 100
127 11.6 10.2 15.2
129 9.2 8.8 13.2

