

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)

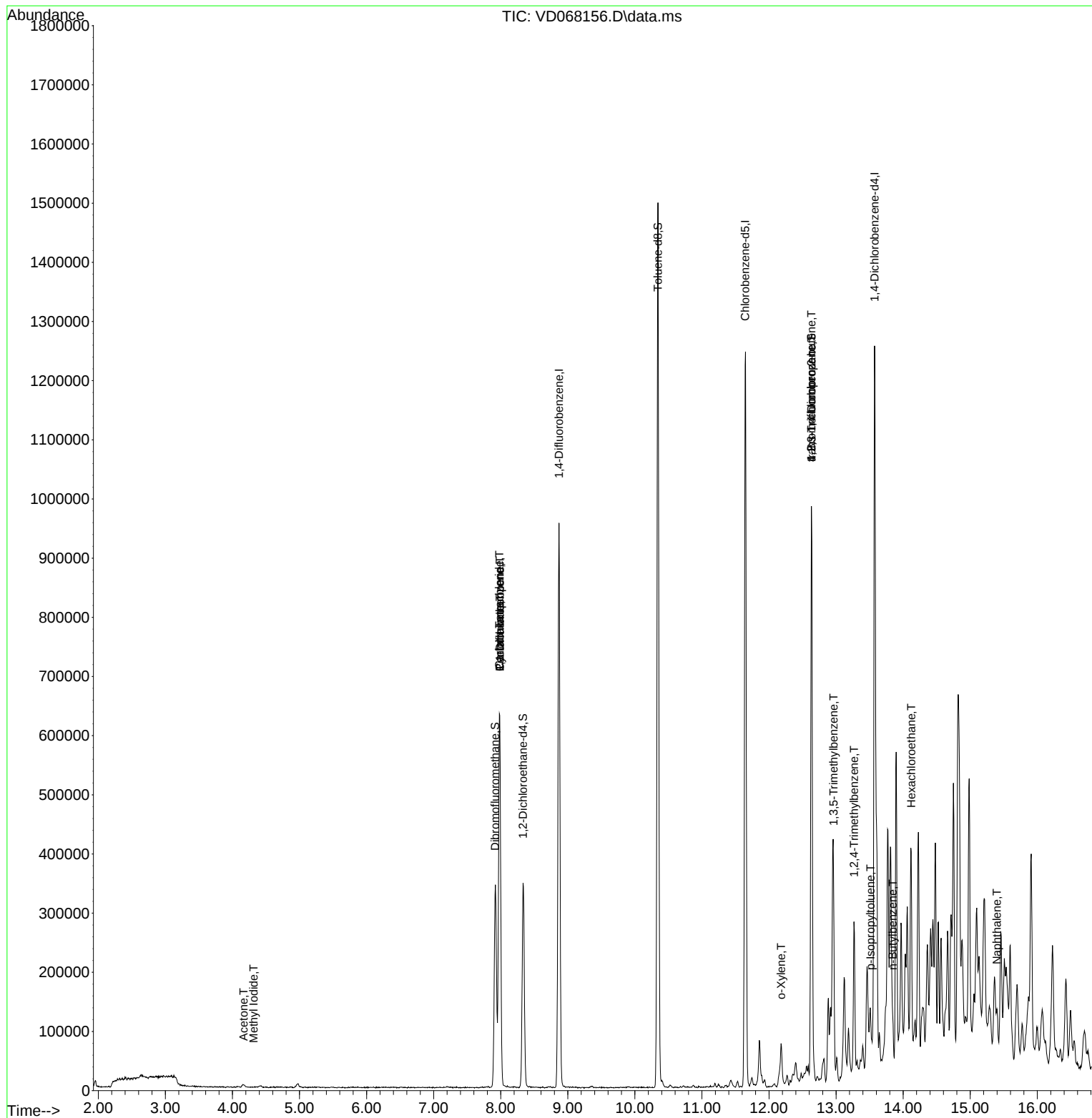
Internal Standards						
1) Pentafluorobenzene	7.985	168	482271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	847987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	743666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	315807	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
10) Methyl Iodide	4.315	142	194	3.19	ug/l #	38
11) Tert butyl alcohol	5.209	59	80	Below Cal	#	74
16) Acetone	4.168	43	9303	11.29	ug/l #	86
20) Methylene Chloride	4.973	84	4901	Below Cal		93
31) Cyclohexane	7.985	56	10857	1.09	ug/l #	16
36) 1,1-Dichloropropene	7.985	75	39699	4.64	ug/l #	47
38) Carbon Tetrachloride	7.979	117	48406	6.05	ug/l #	15
69) o-Xylene	12.179	106	17103	1.67	ug/l	100
76) 1,2,3-Trichloropropane	12.632	75	172755	56.58	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.961	105	119069	5.44	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.632	75	172755	114.48	ug/l #	14
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
90) Hexachloroethane	14.120	117	17434	4.09	ug/l #	10
95) Naphthalene	15.396	128	28499	2.39	ug/l	96

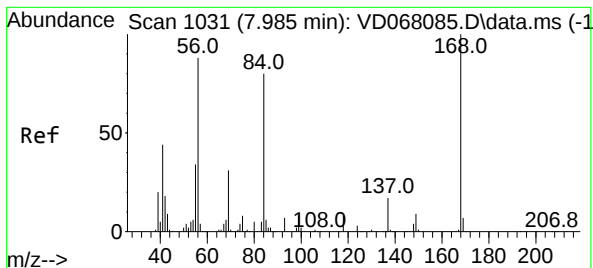
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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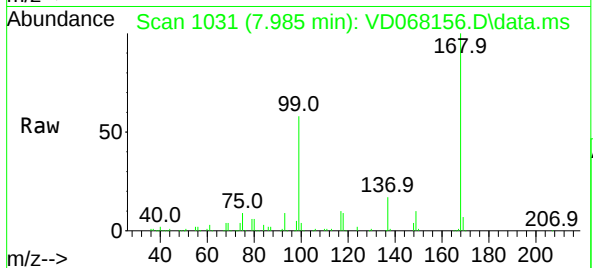
Quant Time: Jan 22 23:59:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration



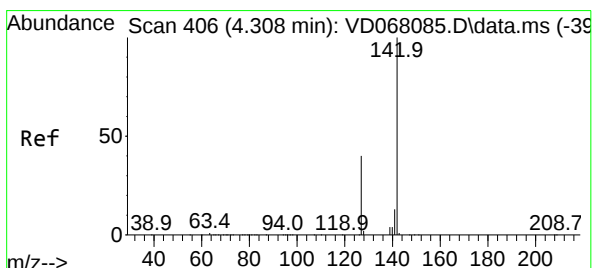
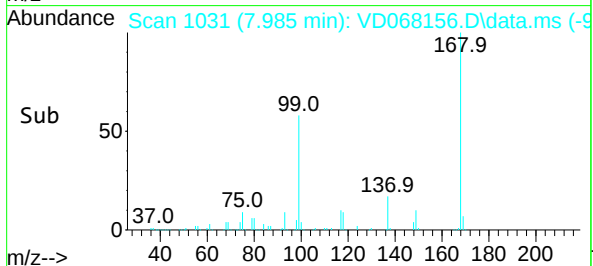
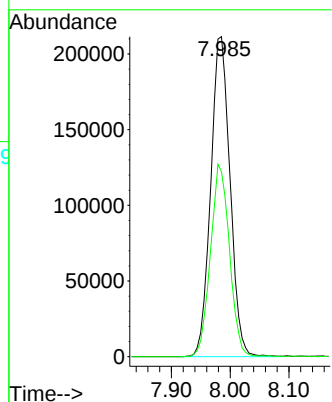


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Instrument :
MSVOA_D
ClientSampleId :
HR-02-012221

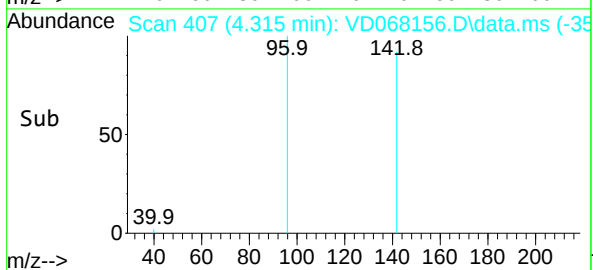
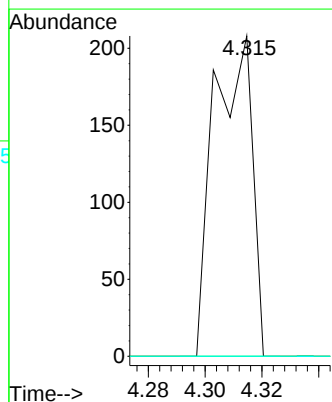
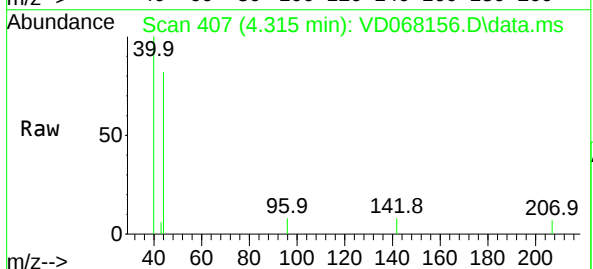


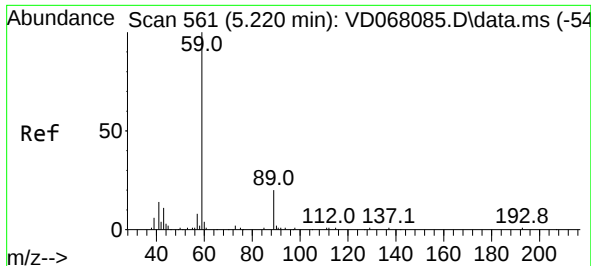
Tgt Ion:168 Resp: 482271
Ion Ratio Lower Upper
168 100
99 57.8 43.5 65.3



#10
Methyl Iodide
Concen: 3.19 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.007 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Tgt Ion:142 Resp: 194
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#



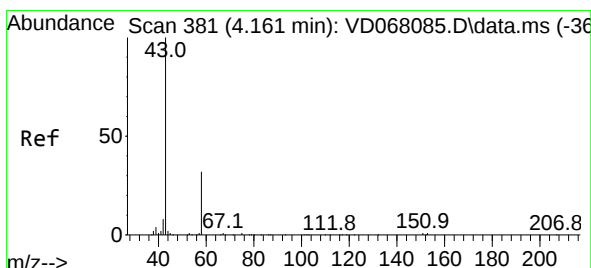
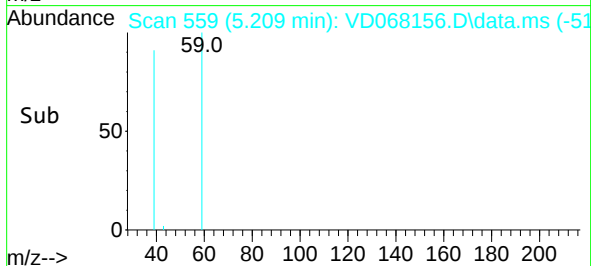
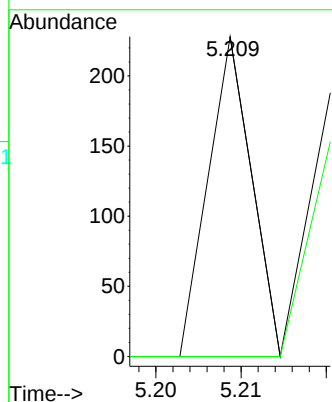
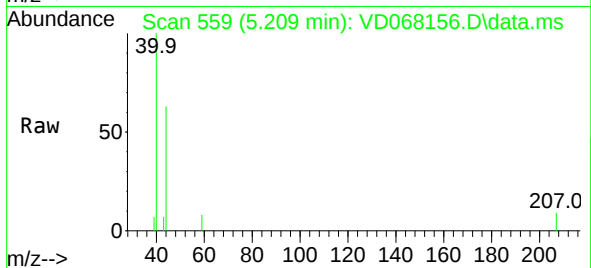


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Instrument :
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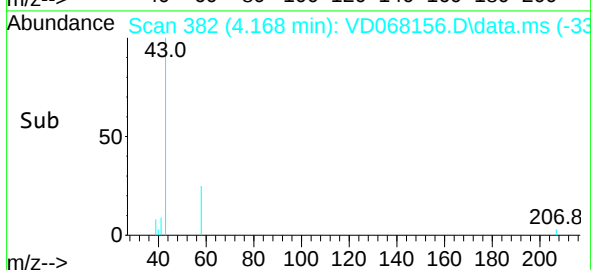
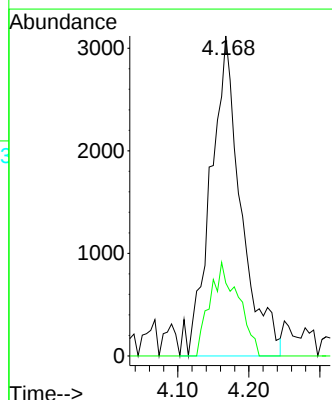
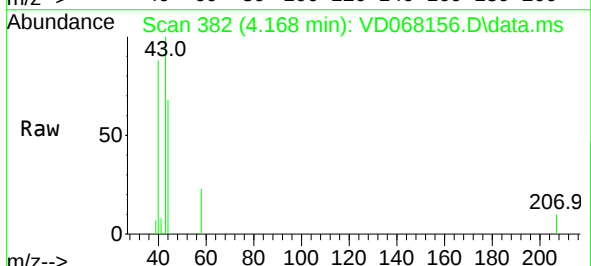
Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

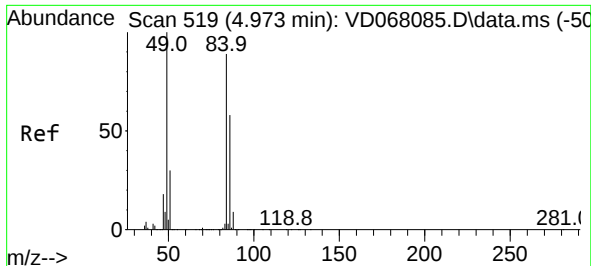


#16

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#

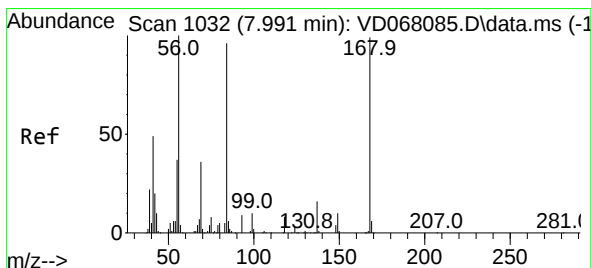
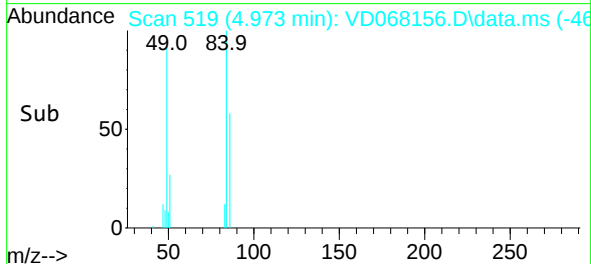
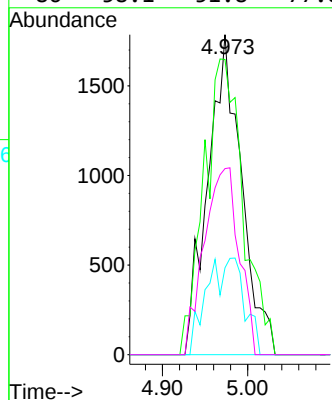
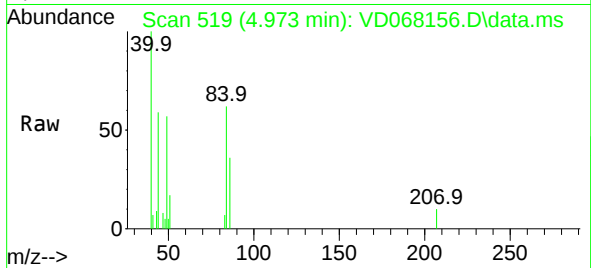




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

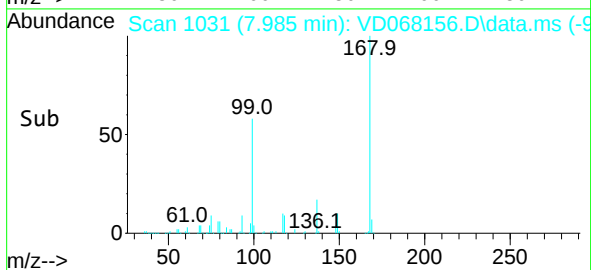
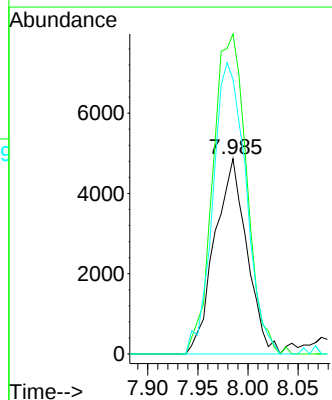
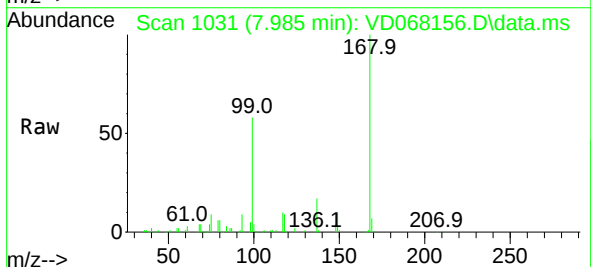
Instrument :
MSVOA_D
ClientSampleId :
HR-02-012221

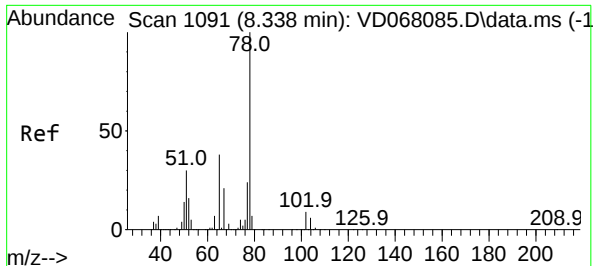
Tgt Ion:	84	Resp:	4901
Ion	Ratio	Lower	Upper
84	100		
49	92.3	77.4	116.2
51	27.2	26.1	39.1
86	58.1	51.8	77.8



#31
Cyclohexane
Concen: 1.09 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.005 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Tgt Ion:	56	Resp:	10857
Ion	Ratio	Lower	Upper
56	100		
69	164.0	30.1	45.1#
84	140.8	82.1	123.1#

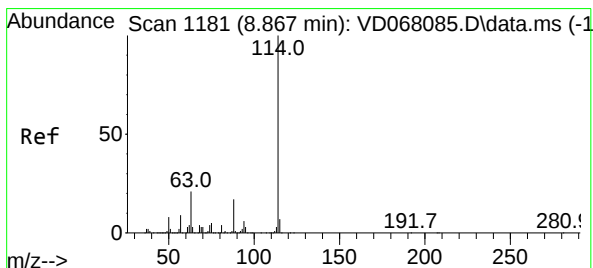
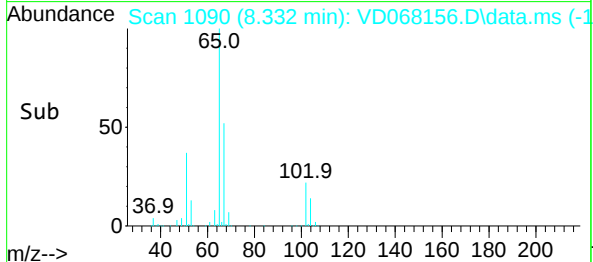
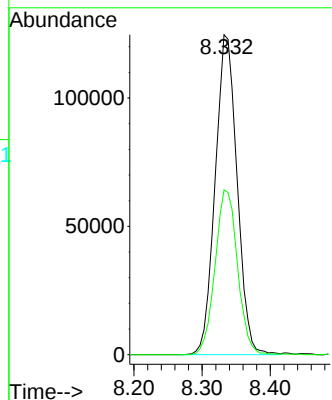
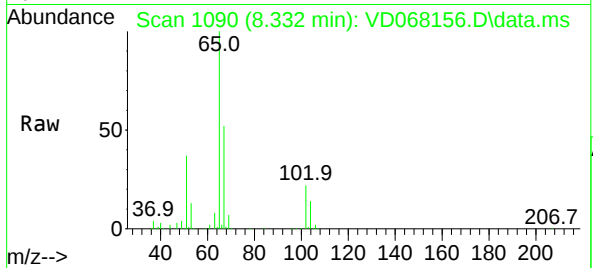




#33
1,2-Dichloroethane-d4
Concen: 60.43 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

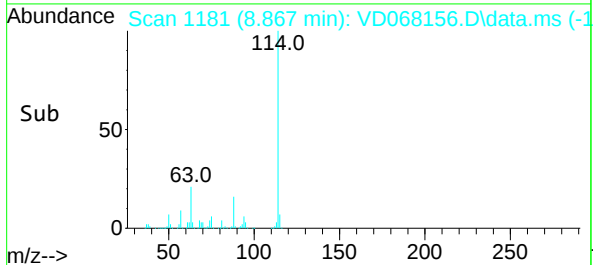
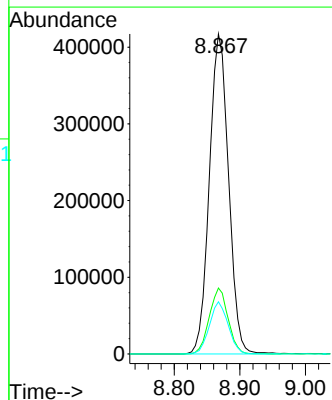
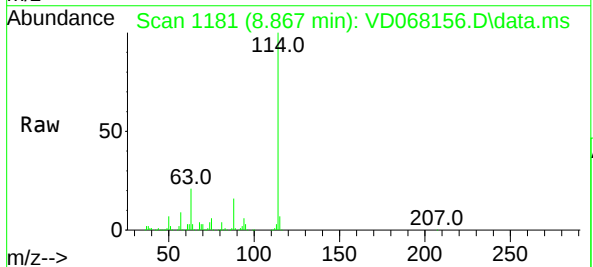
Instrument :
MSVOA_D
ClientSampleId :
HR-02-012221

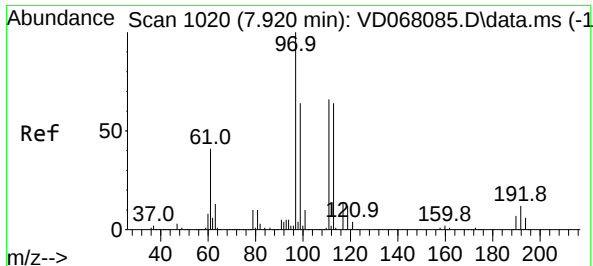
Tgt Ion: 65 Resp: 278814
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.0



#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

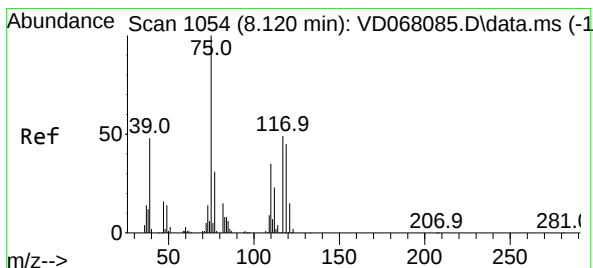
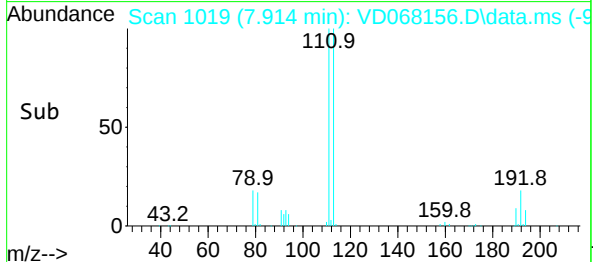
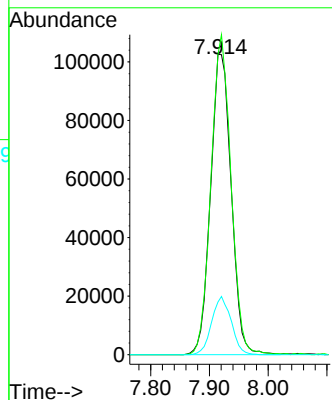
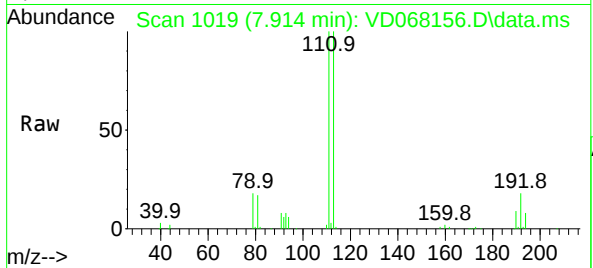




#35
Dibromofluoromethane
Concen: 53.59 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.005 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

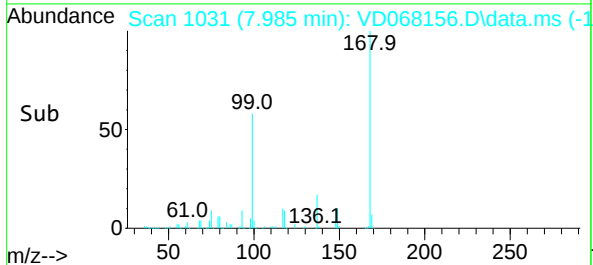
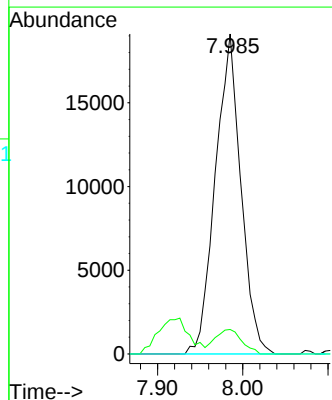
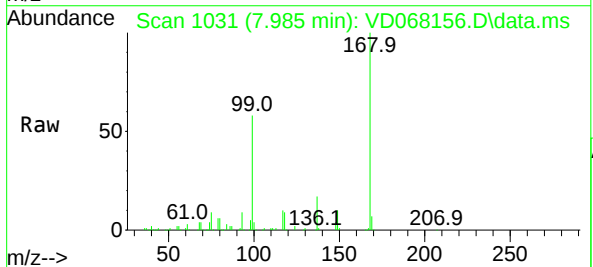
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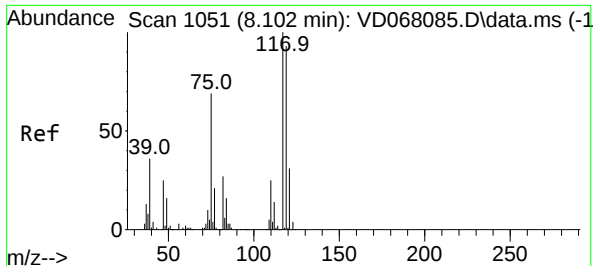
Tgt Ion:113 Resp: 251257
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 18.2 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.64 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Tgt Ion: 75 Resp: 39699
Ion Ratio Lower Upper
75 100
110 8.1 19.4 58.2#
77 0.0 25.3 37.9#

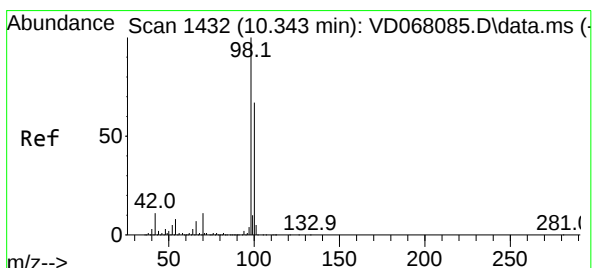
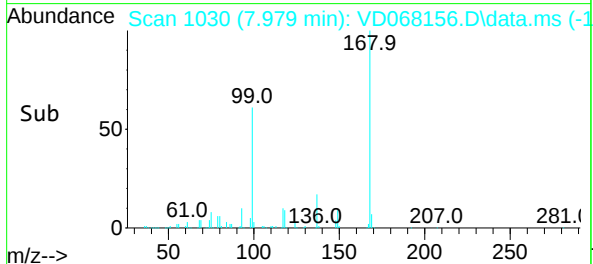
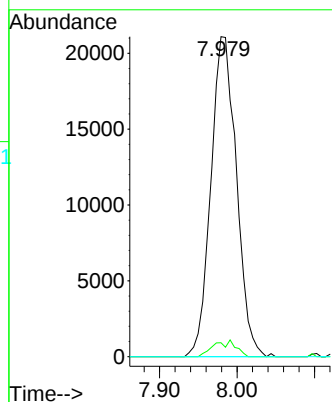
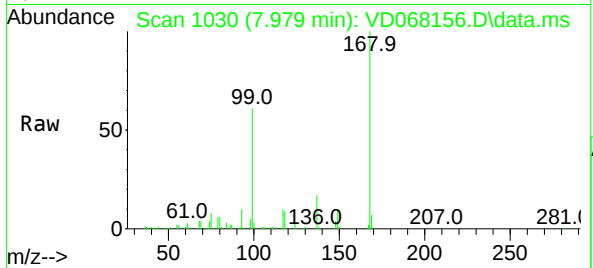




#38
Carbon Tetrachloride
Concen: 6.05 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

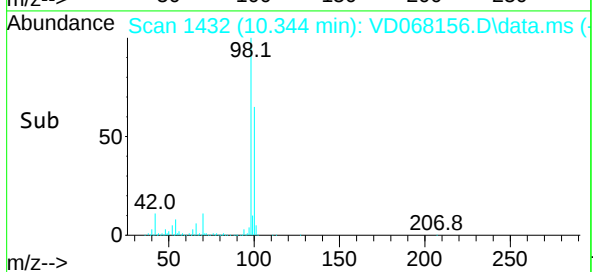
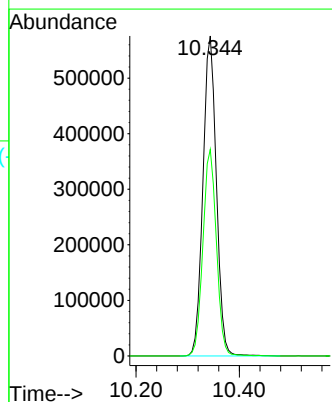
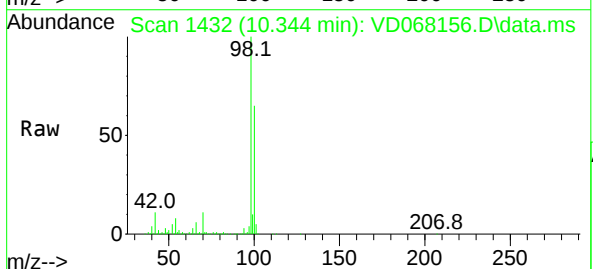
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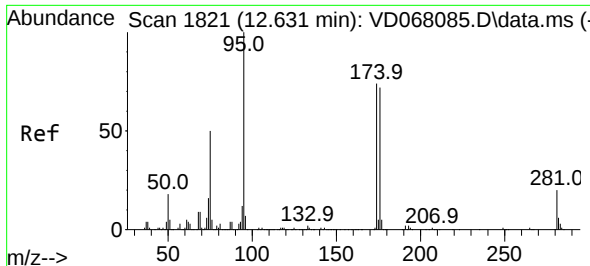
Tgt Ion:117 Resp: 48406
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.7 37.1#



#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

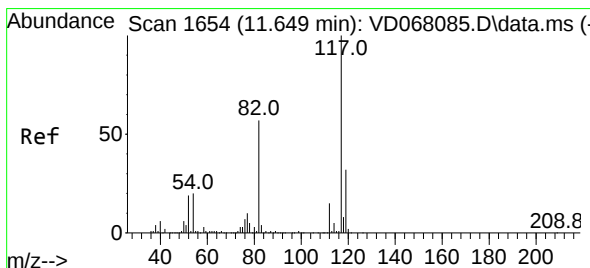
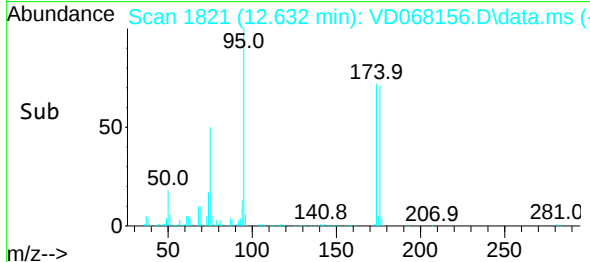
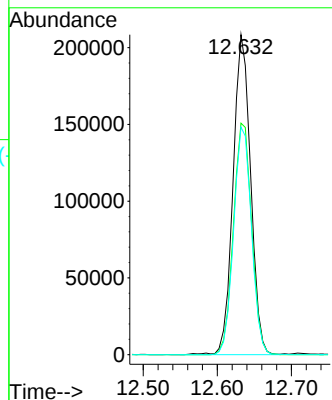
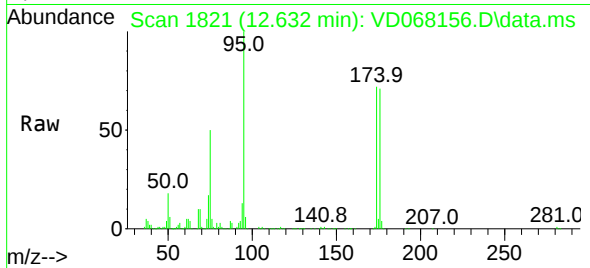




#62
4-Bromofluorobenzene
Concen: 50.75 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

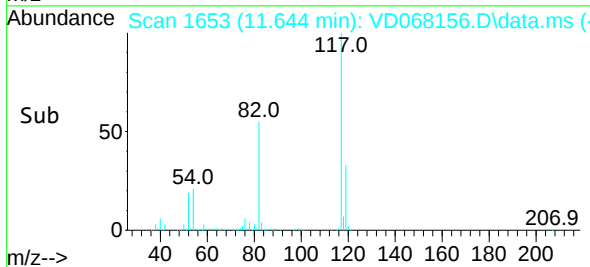
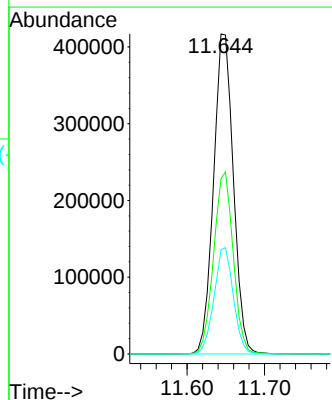
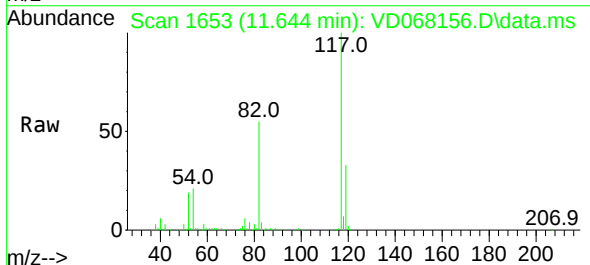
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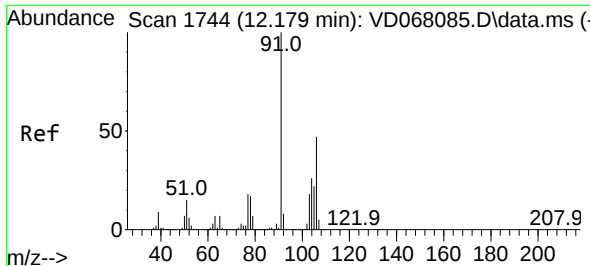
Tgt Ion: 95 Resp: 342742
Ion Ratio Lower Upper
95 100
174 75.2 0.0 172.4
176 72.2 0.0 168.4



#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

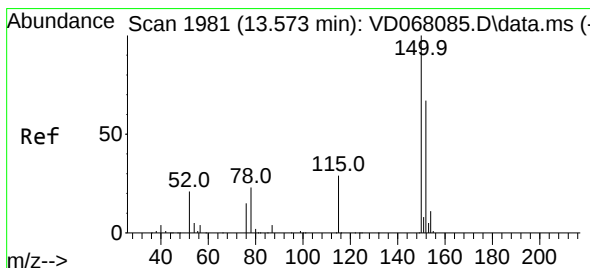
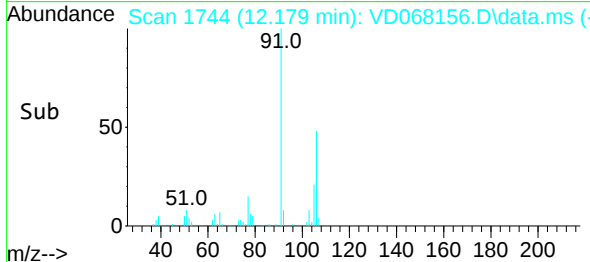
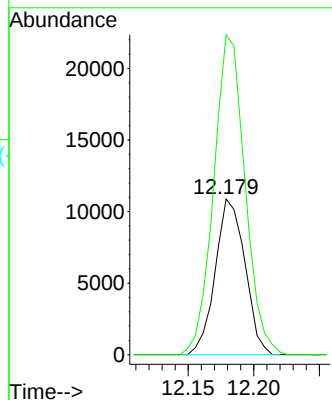
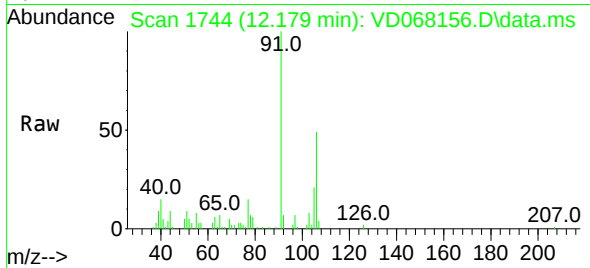




#69
o-Xylene
Concen: 1.67 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

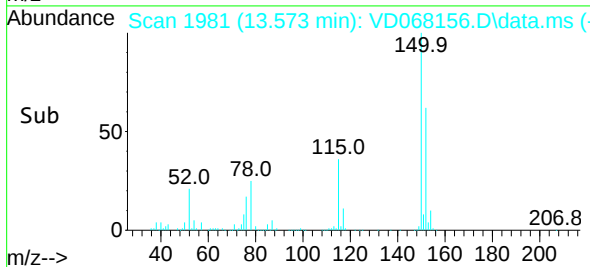
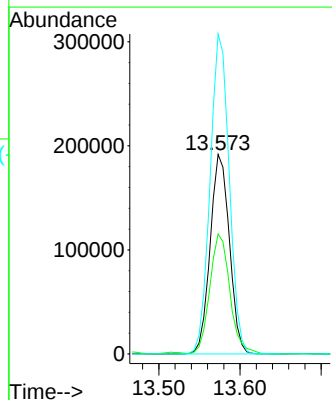
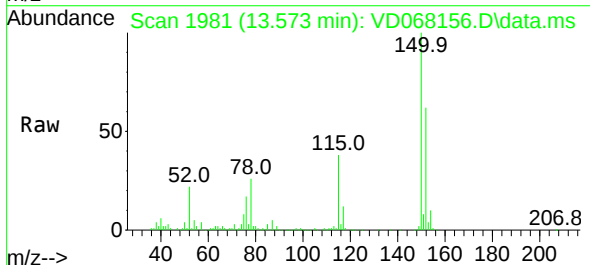
Instrument :
MSVOA_D
ClientSampleId :
HR-02-012221

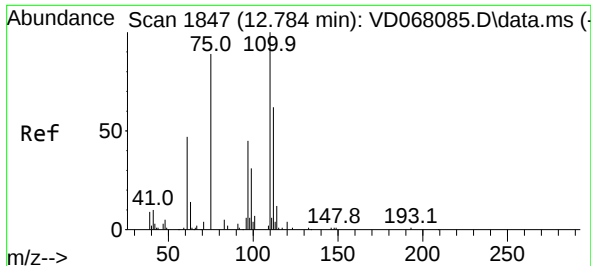
Tgt Ion:106 Resp: 17103
Ion Ratio Lower Upper
106 100
91 216.8 108.7 325.9



#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

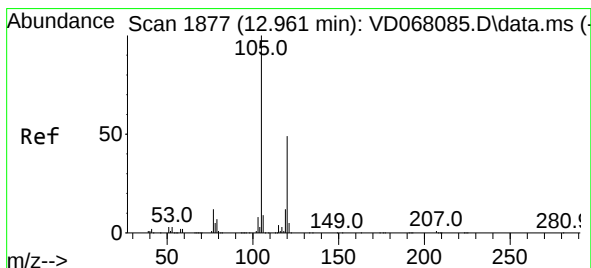
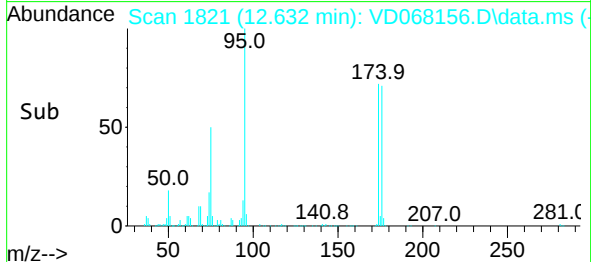
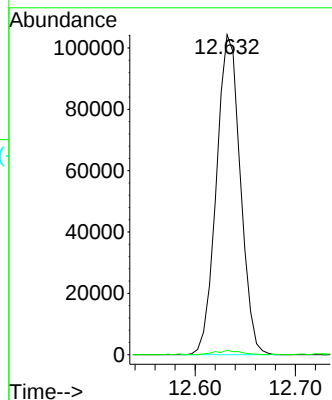
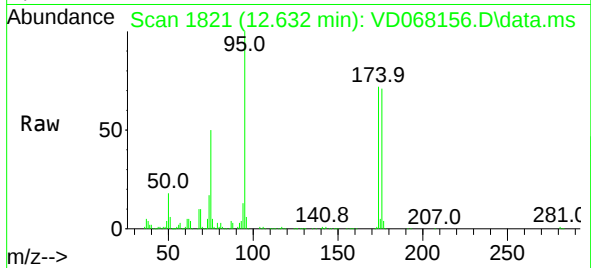




#76
1,2,3-Trichloropropane
Concen: 56.58 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

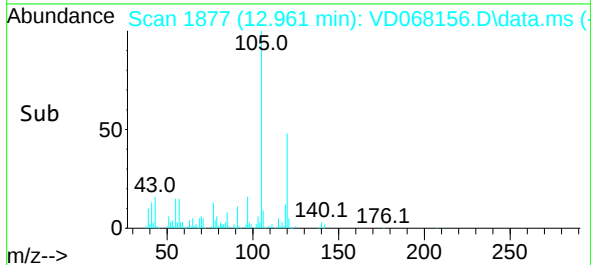
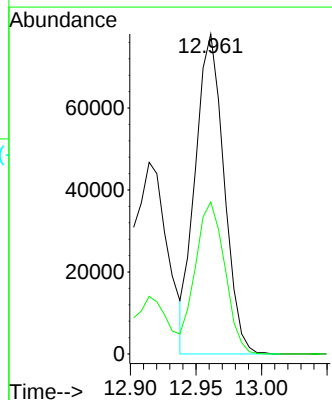
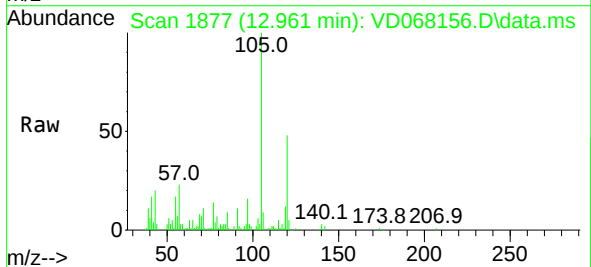
Instrument :
MSVOA_D
ClientSampleId :
HR-02-012221

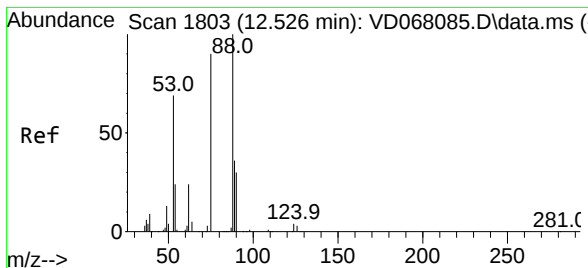
Tgt Ion: 75 Resp: 172755
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#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

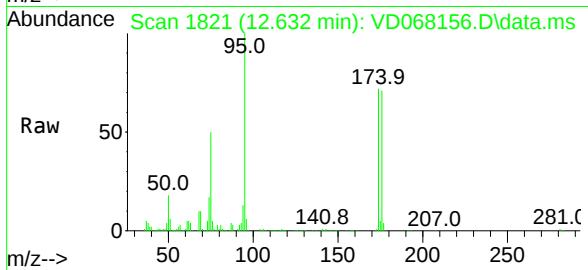
Tgt Ion:105 Resp: 119069
Ion Ratio Lower Upper
105 100
120 48.5 24.2 72.6



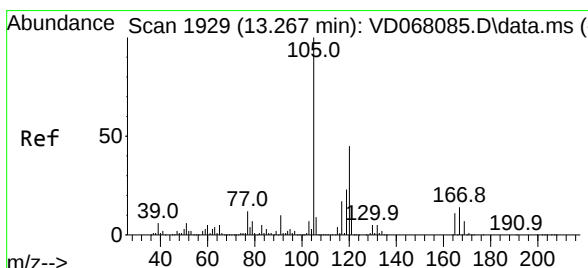
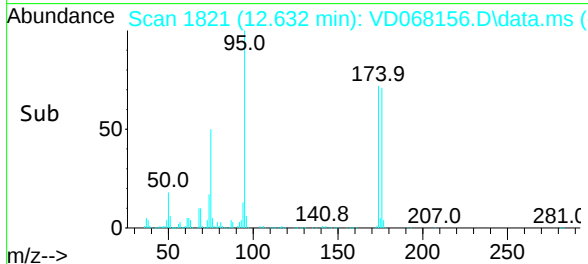
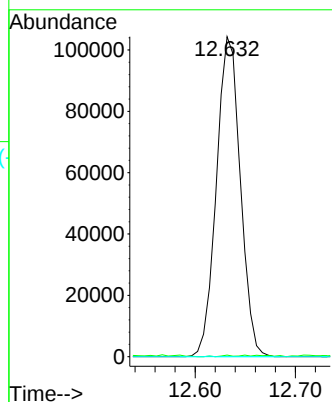


#81
trans-1,4-Dichloro-2-butene
Concen: 114.48 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Instrument :
MSVOA_D
ClientSampleId :
HR-02-012221

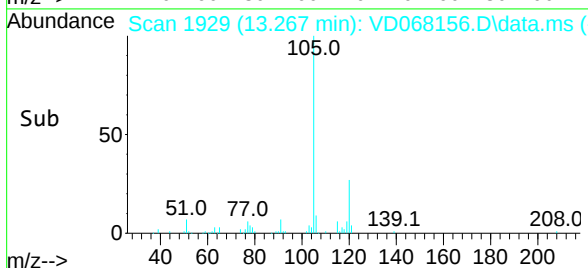
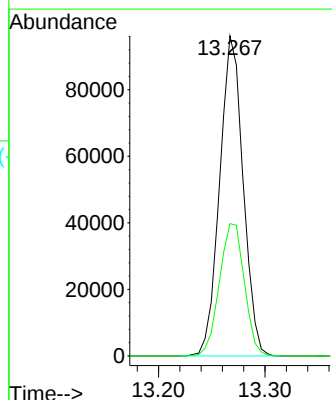
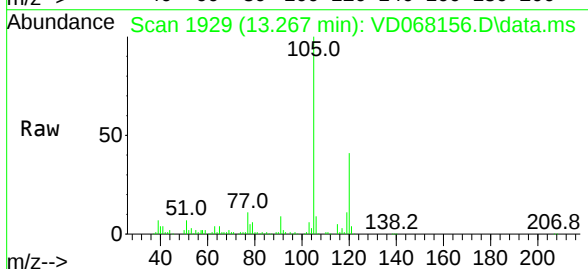


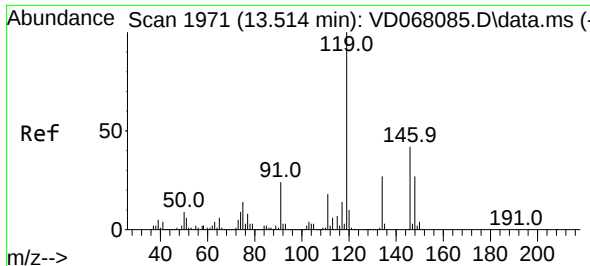
Tgt Ion: 75 Resp: 172755
Ion Ratio Lower Upper
75 100
53 0.3 70.2 105.2#
89 0.0 40.3 60.5#



#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

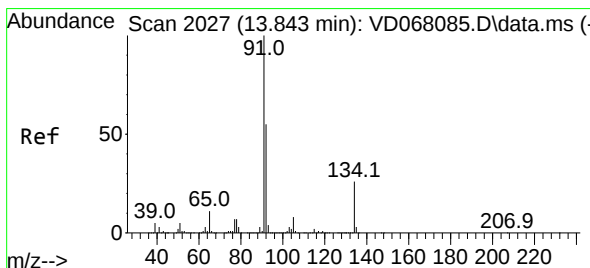
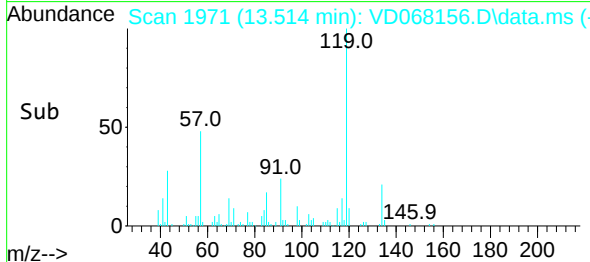
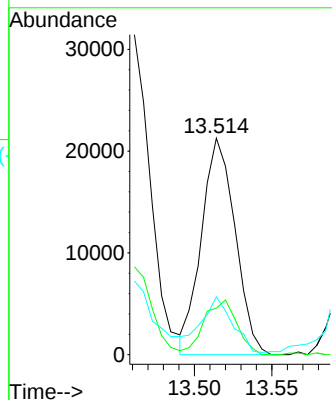
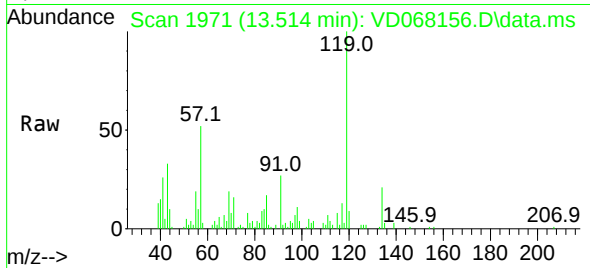




#86
p-Isopropyltoluene
Concen: 1.37 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.000 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

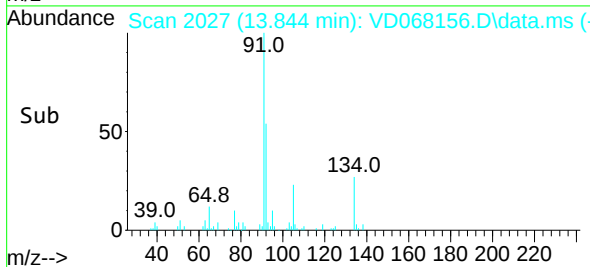
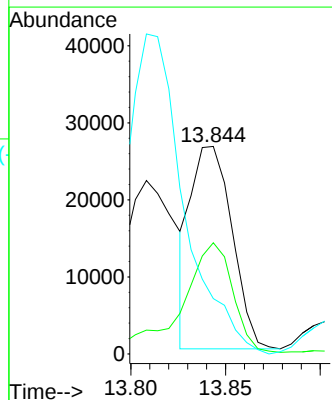
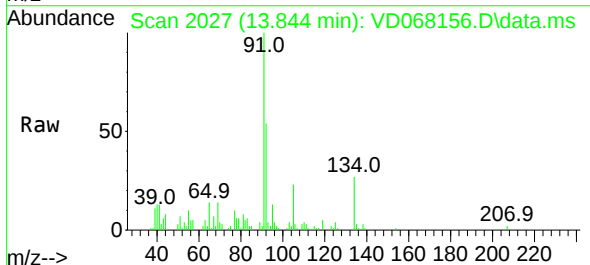
Instrument :
MSVOA_D
ClientSampleId :
HR-02-012221

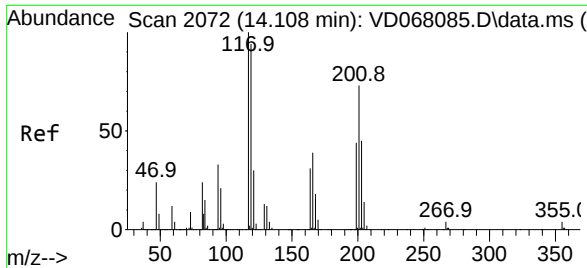
Tgt Ion:119 Resp: 32212
Ion Ratio Lower Upper
119 100
134 24.6 12.9 38.7
91 24.0 11.7 35.0



#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#

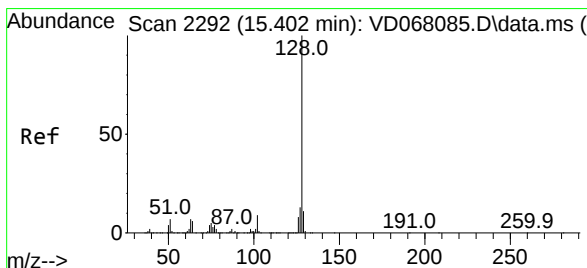
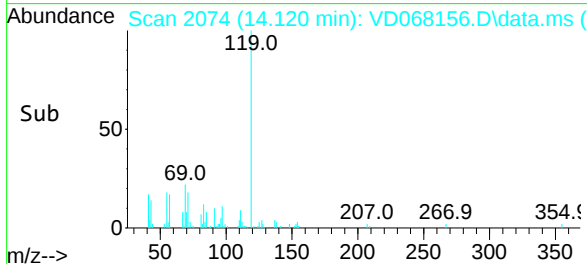
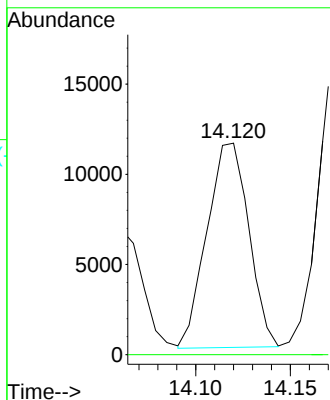
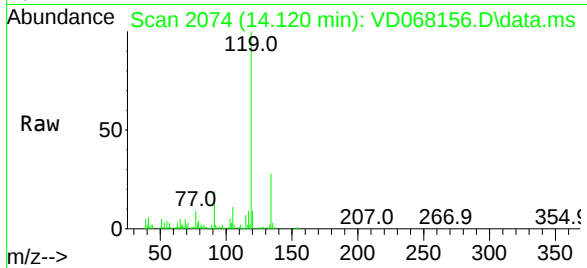




#90
Hexachloroethane
Concen: 4.09 ug/l
RT: 14.120 min Scan# 2074
Delta R.T. 0.012 min
Lab File: VD068156.D
Acq: 22 Jan 2021 15:32

Instrument :
MSVOA_D
ClientSampleId :
HR-02-012221

Tgt Ion:117 Resp: 17434
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#



#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

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

