

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040121\
 Data File : VD068756.D
 Acq On : 01 Apr 2021 14:07
 Operator : VA/SY
 Sample : M1886-05
 Misc : 6.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124018-A

Quant Time: Apr 02 01:03:47 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)

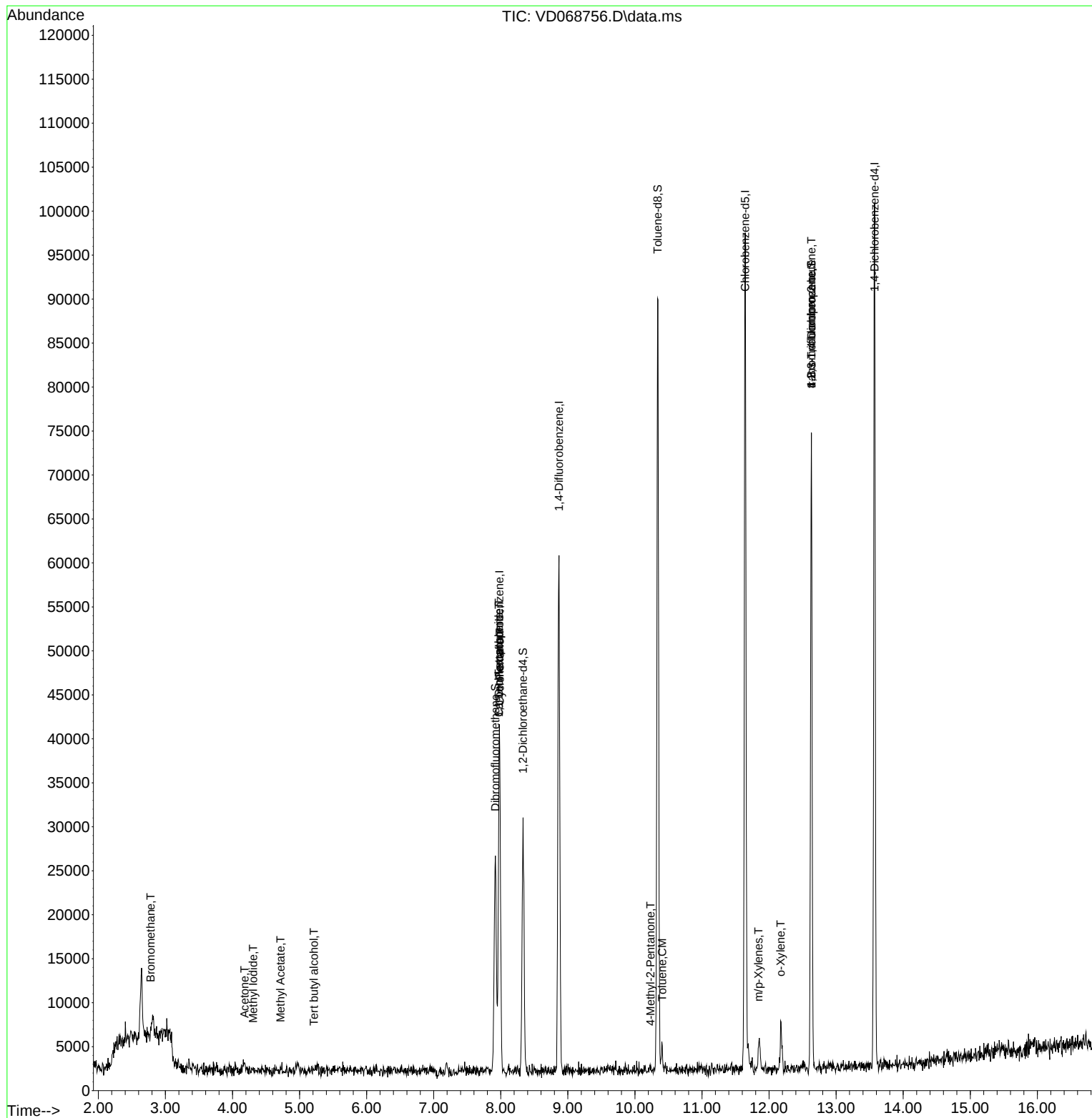
Internal Standards						
1) Pentafluorobenzene	7.979	168	31170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	52721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	59278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	27911	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	20460	65.10	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.20%			
35) Dibromofluoromethane	7.920	113	17464	53.24	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.48%			
50) Toluene-d8	10.338	98	63181	49.96	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.92%			
62) 4-Bromofluorobenzene	12.632	95	23180	56.53	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.06%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	622	2.37	ug/l #	60
10) Methyl Iodide	4.308	142	71	3.69	ug/l #	41
11) Tert butyl alcohol	5.214	59	58	4.00	ug/l #	73
16) Acetone	4.179	43	1296	33.99	ug/l	89
18) Methyl Acetate	4.714	43	250	2.39	ug/l #	43
20) Methylene Chloride	4.979	84	806	Below Cal	#	27
31) Cyclohexane	7.985	56	696	1.37	ug/l #	41
36) 1,1-Dichloropropene	7.973	75	2480	5.27	ug/l #	43
38) Carbon Tetrachloride	7.973	117	3126	6.65	ug/l #	12
51) 4-Methyl-2-Pentanone	10.232	43	420	2.83	ug/l #	51
52) Toluene	10.408	92	1410	1.62	ug/l	90
68) m/p-Xylenes	11.843	106	1542	1.94	ug/l	99
69) o-Xylene	12.173	106	1923	2.62	ug/l	78
76) 1,2,3-Trichloropropane	12.632	75	11752	50.59	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	11752	115.09	ug/l #	16

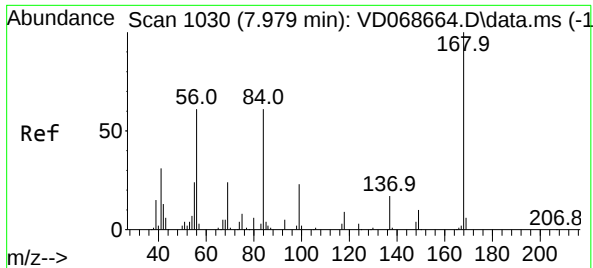
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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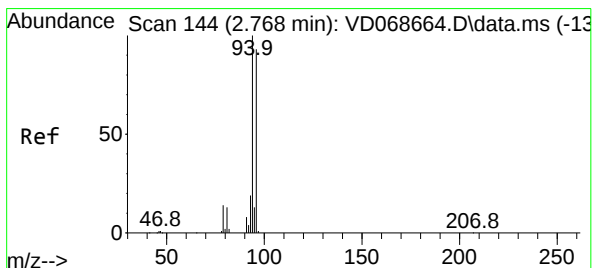
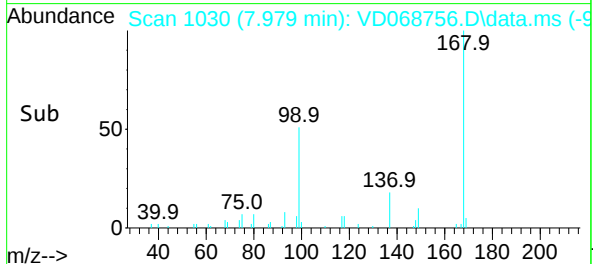
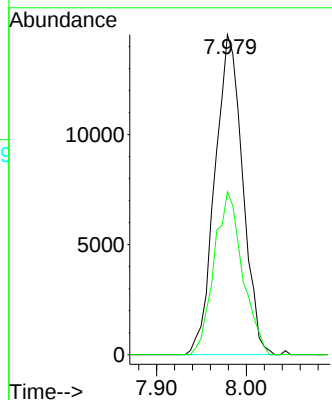
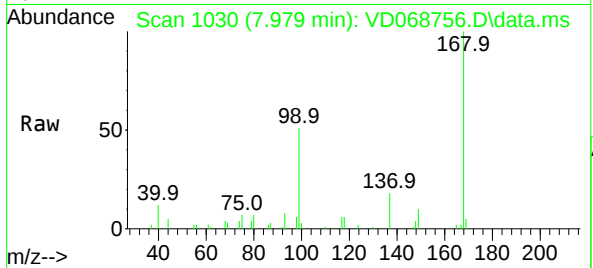




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

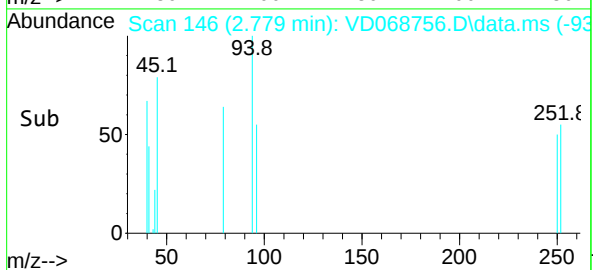
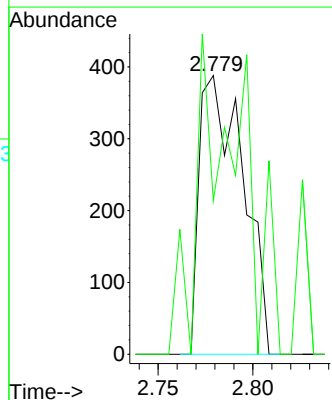
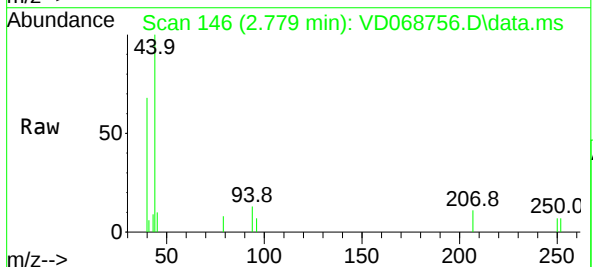
Instrument :
MSVOA_D
ClientSampleId :
124018-A

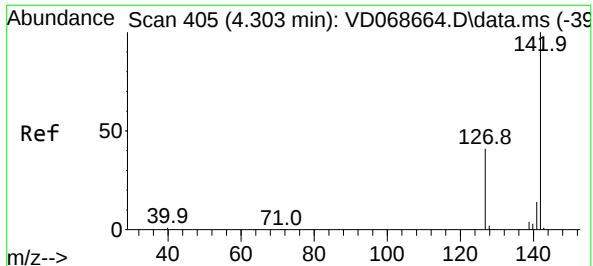
Tgt Ion:168 Resp: 31170
Ion Ratio Lower Upper
168 100
99 50.9 46.2 69.2



#5
Bromomethane
Concen: 2.37 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

Tgt Ion: 94 Resp: 622
Ion Ratio Lower Upper
94 100
96 55.2 74.7 112.1#

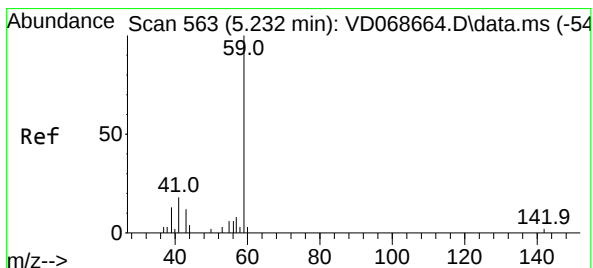
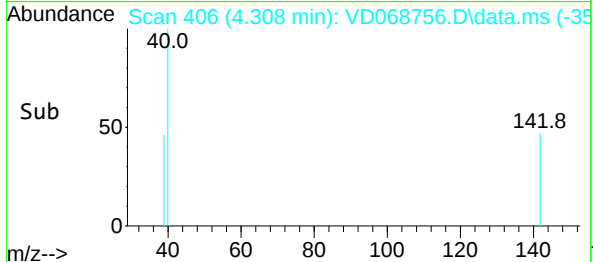
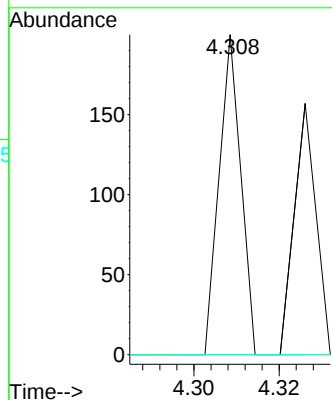
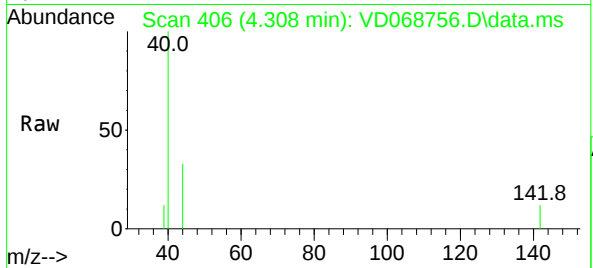




#10
Methyl Iodide
Concen: 3.69 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.005 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

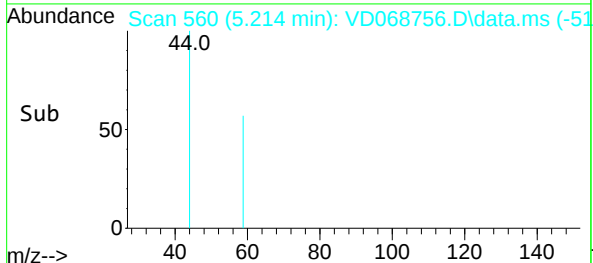
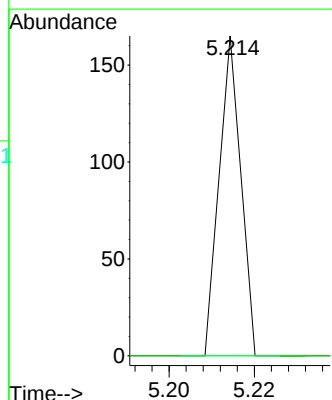
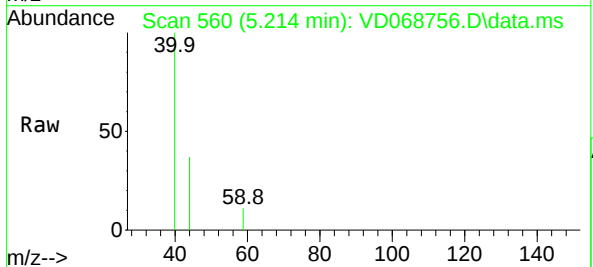
Instrument :
MSVOA_D
ClientSampled :
124018-A

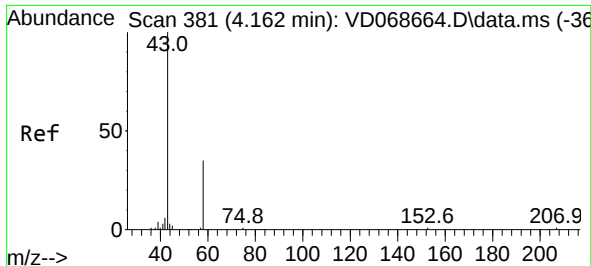
Tgt Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#



#11
Tert butyl alcohol
Concen: 4.00 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.018 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

Tgt Ion: 59 Resp: 58
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

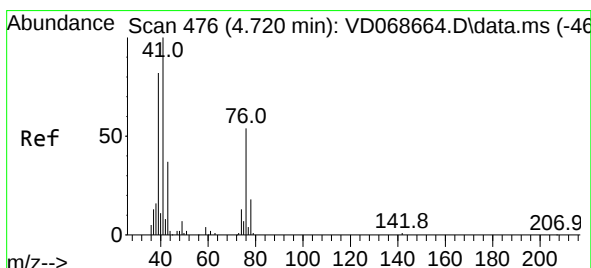
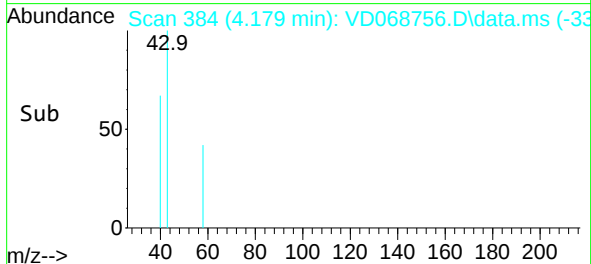
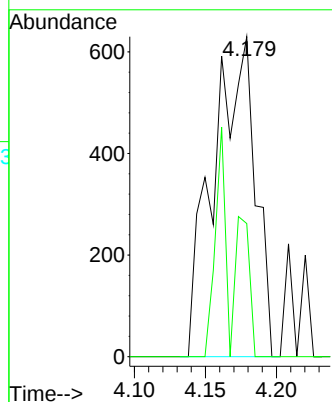
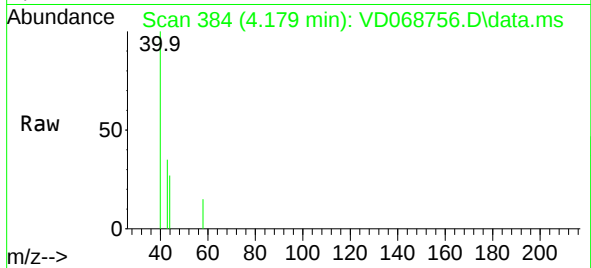




#16
Acetone
Concen: 33.99 ug/l
RT: 4.179 min Scan# 384
Delta R.T. 0.017 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

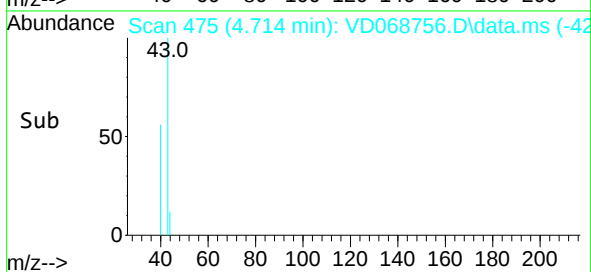
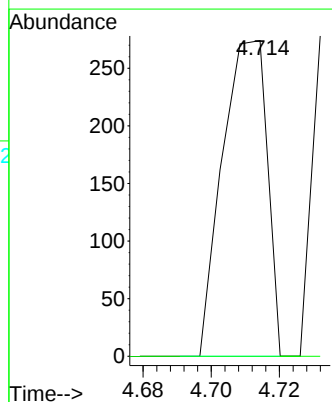
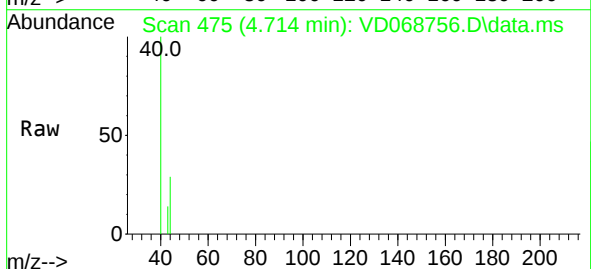
Instrument :
MSVOA_D
ClientSampled :
124018-A

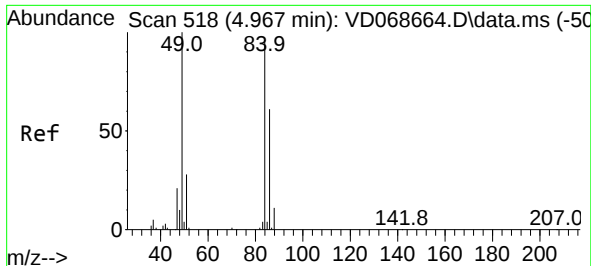
Tgt Ion: 43 Resp: 1296
Ion Ratio Lower Upper
43 100
58 41.6 28.0 42.0



#18
Methyl Acetate
Concen: 2.39 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

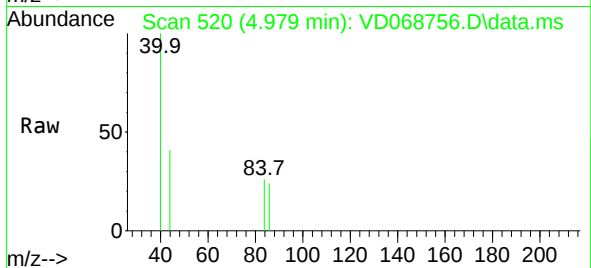
Tgt Ion: 43 Resp: 250
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.2#



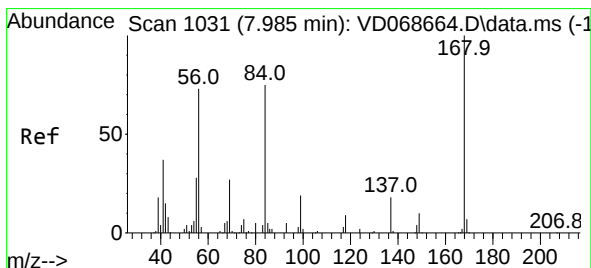
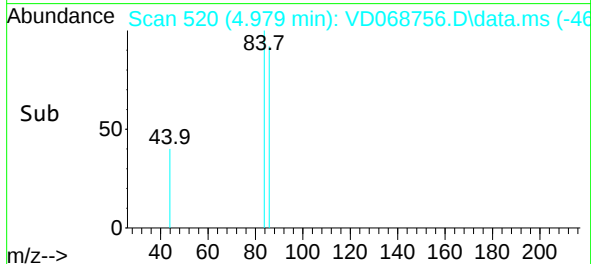
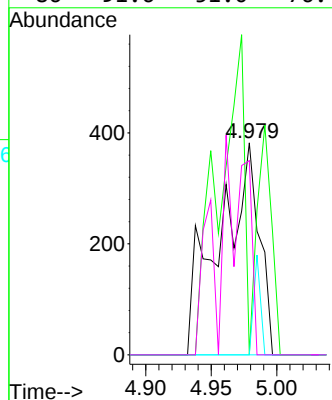


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.012 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

Instrument :
MSVOA_D
ClientSampled :
124018-A

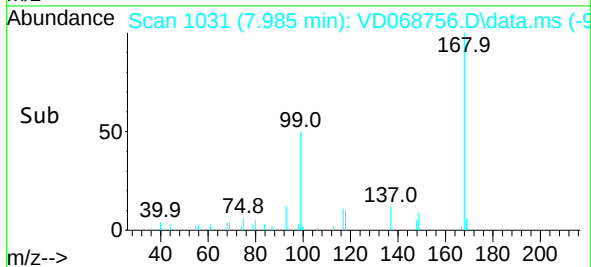
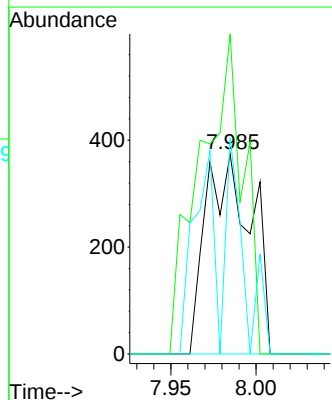
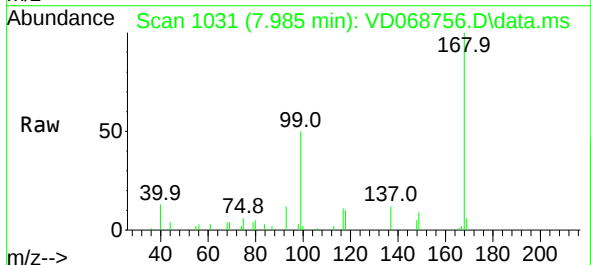


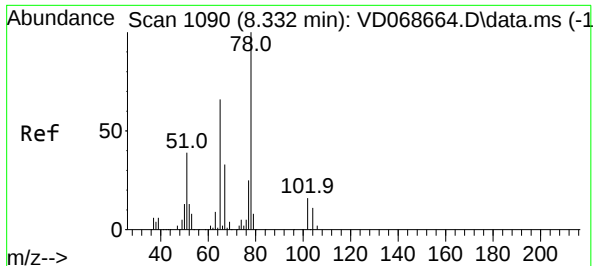
Tgt Ion:	84	Resp:	806
Ion	Ratio	Lower	Upper
84	100		
49	0.0	83.4	125.0#
51	0.0	23.4	35.2#
86	91.6	51.0	76.4#



#31
Cyclohexane
Concen: 1.37 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

Tgt Ion:	56	Resp:	696
Ion	Ratio	Lower	Upper
56	100		
69	160.2	30.0	45.0#
84	108.0	82.0	123.0





#33

1,2-Dichloroethane-d4

Concen: 65.10 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD068756.D

Acq: 01 Apr 2021 14:07

Tgt Ion: 65 Resp: 20460

Ion Ratio Lower Upper

65 100

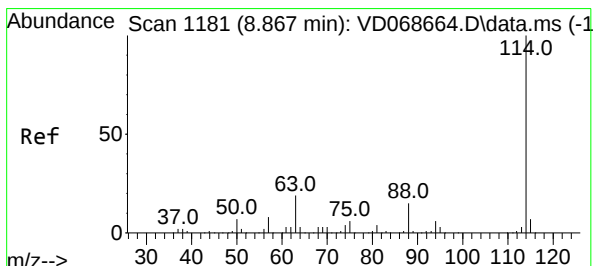
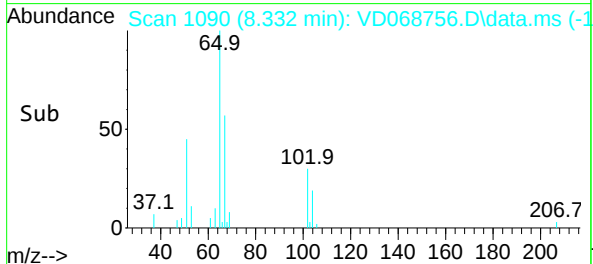
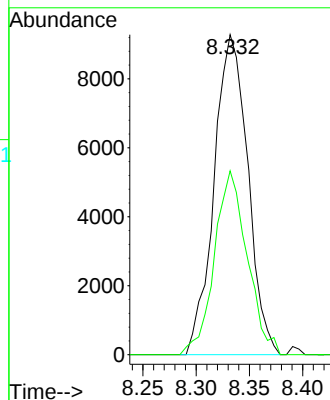
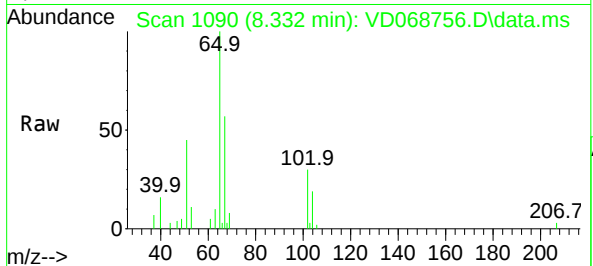
67 55.8 0.0 106.0

Instrument :

MSVOA_D

ClientSampleId :

124018-A



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VD068756.D

Acq: 01 Apr 2021 14:07

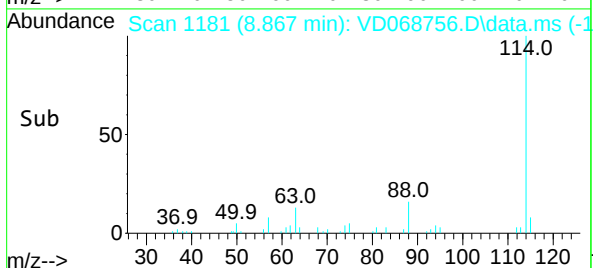
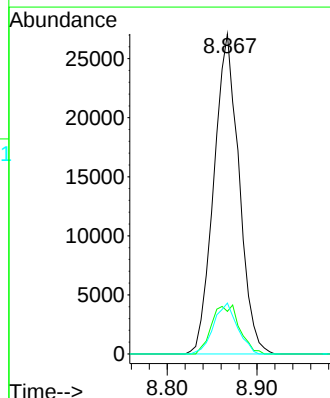
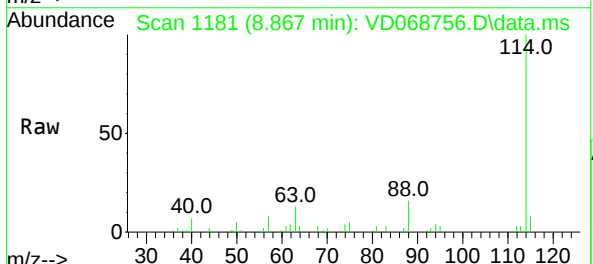
Tgt Ion: 114 Resp: 52721

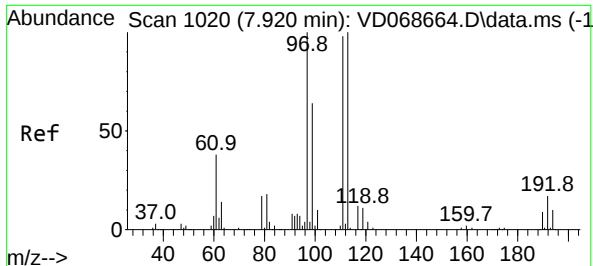
Ion Ratio Lower Upper

114 100

63 13.3 0.0 38.2

88 15.9 0.0 29.4





#35

Dibromofluoromethane

Concen: 53.24 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. -0.000 min

Lab File: VD068756.D

Acq: 01 Apr 2021 14:07

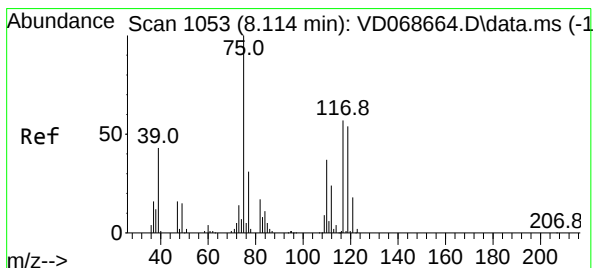
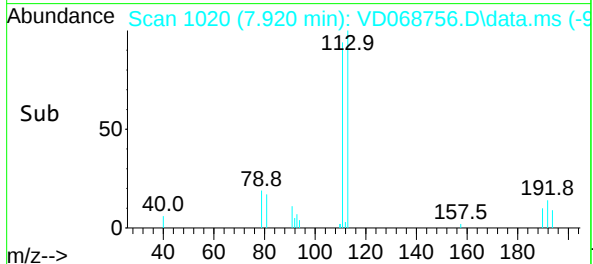
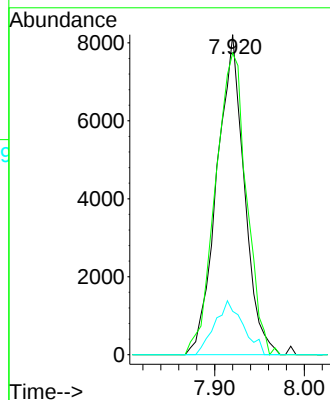
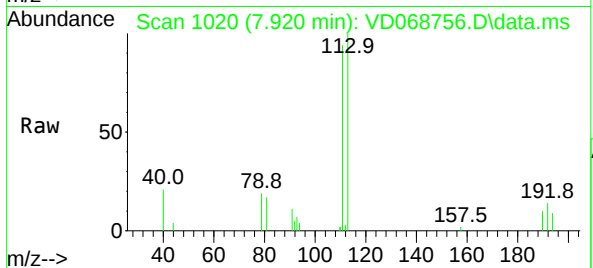
Tgt Ion:113 Resp: 17464

Ion Ratio Lower Upper

113 100

111 106.3 82.5 123.7

192 17.4 15.1 22.7



#36

1,1-Dichloropropene

Concen: 5.27 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD068756.D

Acq: 01 Apr 2021 14:07

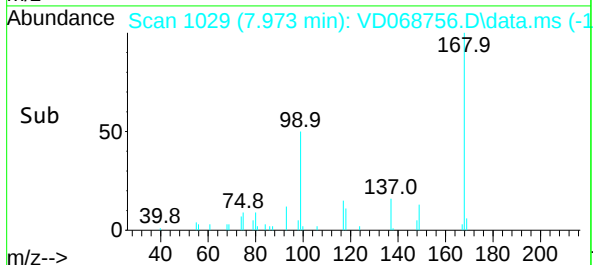
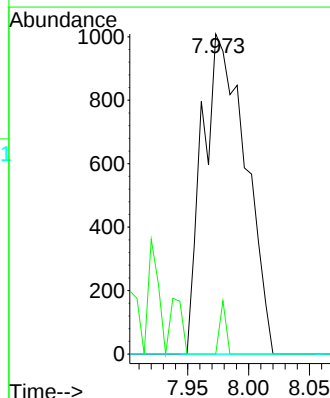
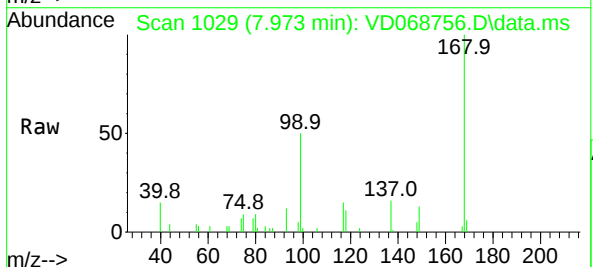
Tgt Ion: 75 Resp: 2480

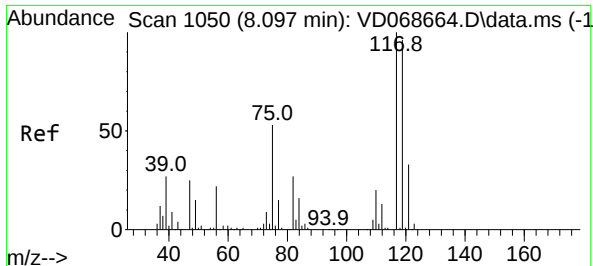
Ion Ratio Lower Upper

75 100

110 2.4 18.1 54.4#

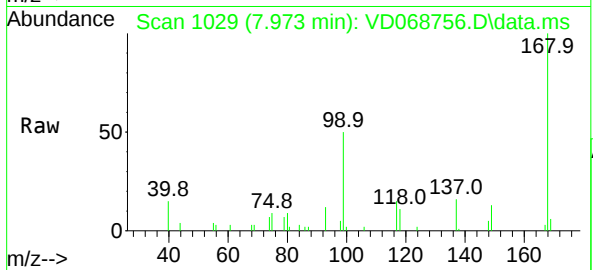
77 0.0 24.7 37.1#



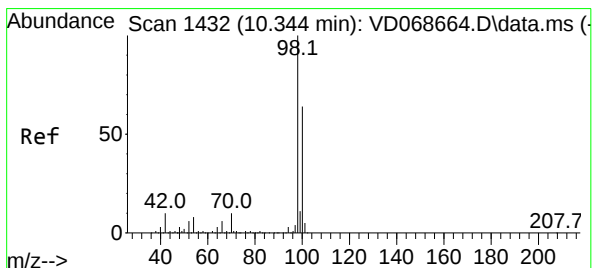
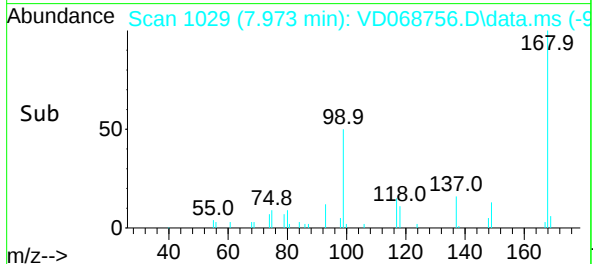
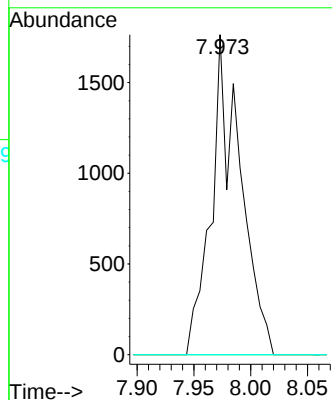


#38
Carbon Tetrachloride
Concen: 6.65 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

Instrument :
MSVOA_D
ClientSampleId :
124018-A

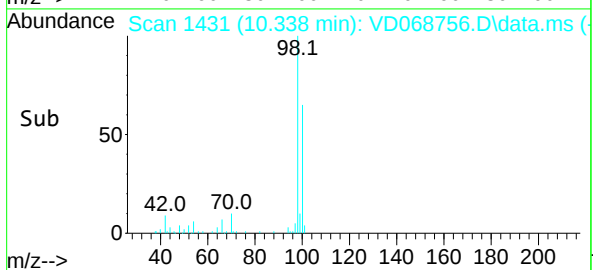
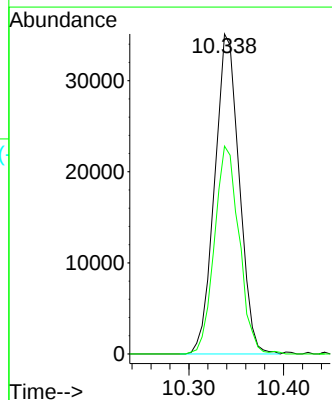
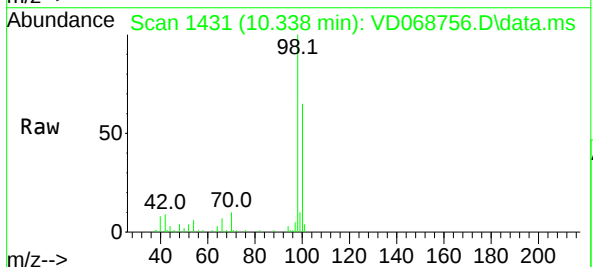


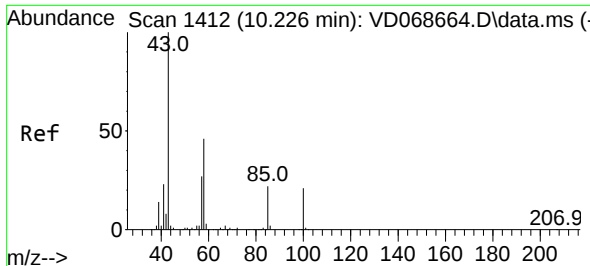
Tgt Ion:117 Resp: 3126
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 49.96 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

Tgt Ion: 98 Resp: 63181
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6

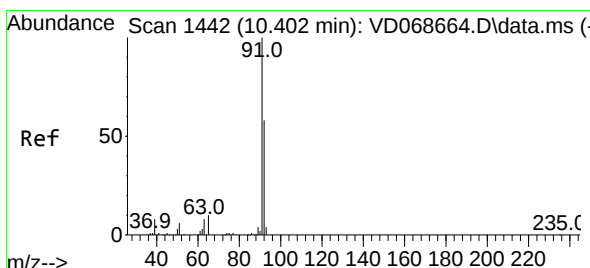
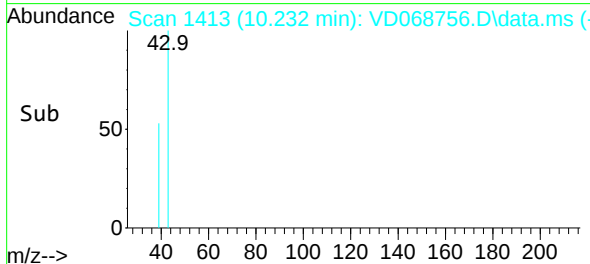
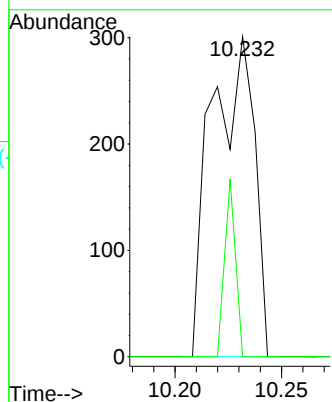
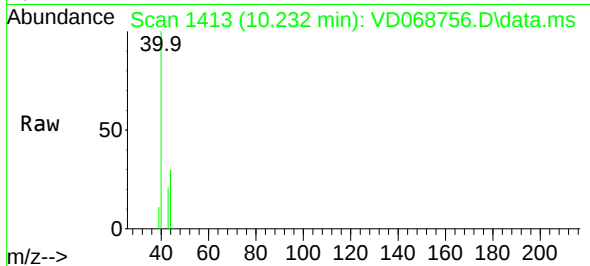




#51
4-Methyl-2-Pentanone
Concen: 2.83 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

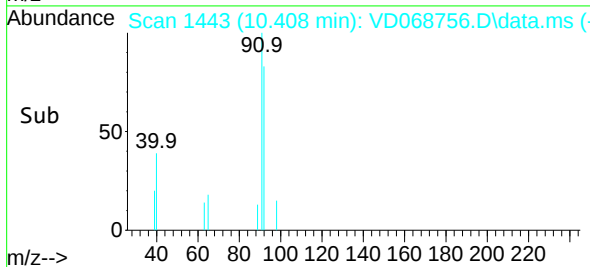
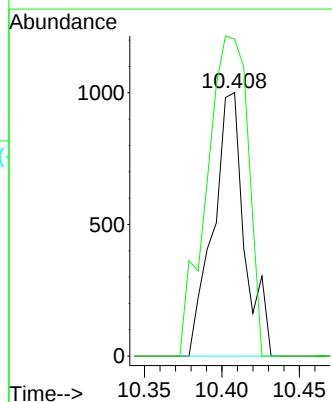
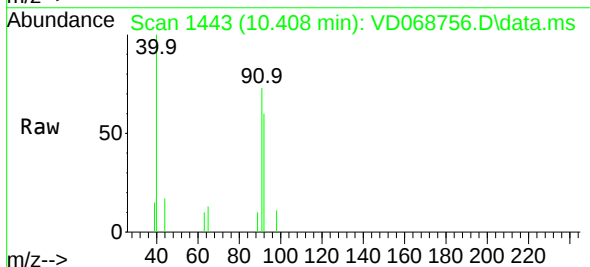
Instrument :
MSVOA_D
ClientSampled :
124018-A

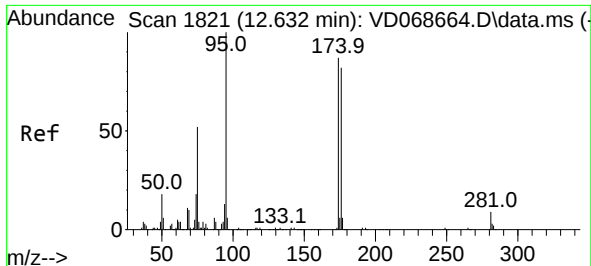
Tgt Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
58 14.0 37.3 55.9#



#52
Toluene
Concen: 1.62 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

Tgt Ion: 92 Resp: 1410
Ion Ratio Lower Upper
92 100
91 160.6 139.1 208.7

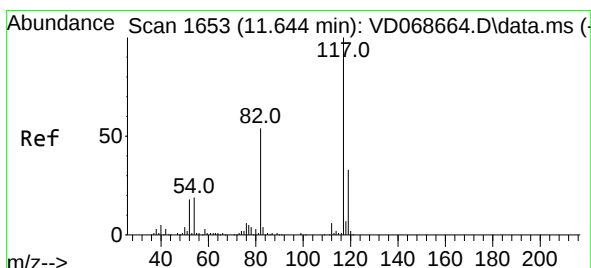
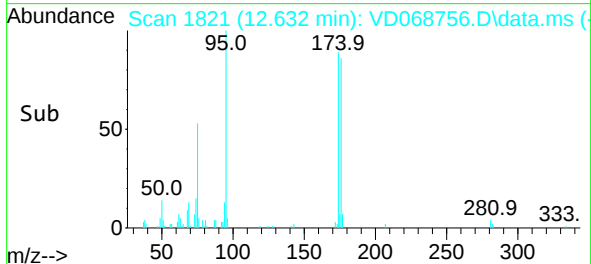
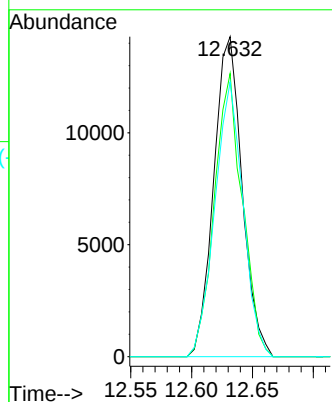
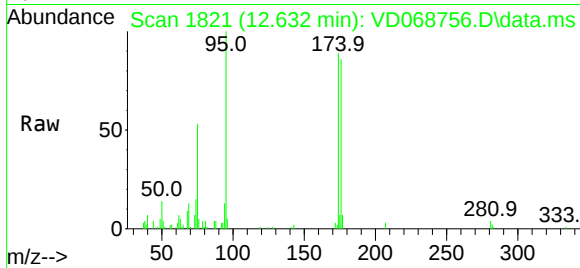




#62
4-Bromofluorobenzene
Concen: 56.53 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

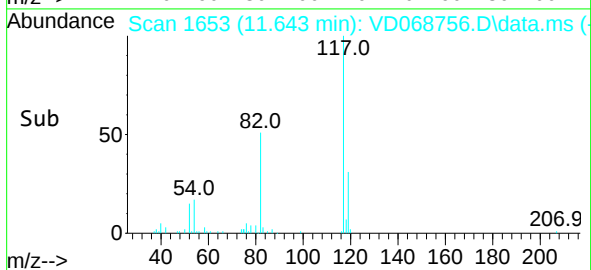
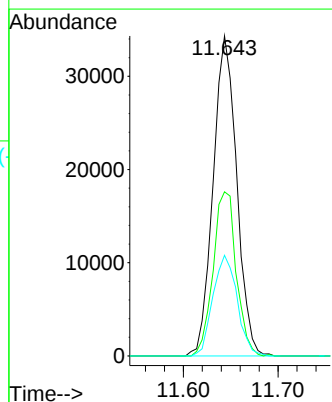
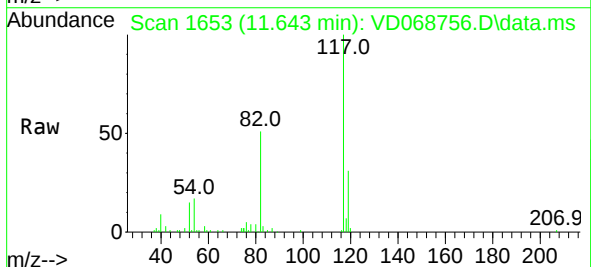
Instrument :
MSVOA_D
ClientSampleId :
124018-A

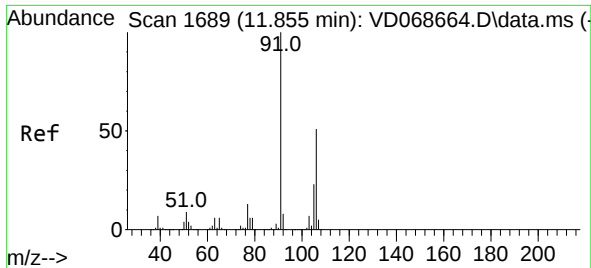
Tgt Ion: 95 Resp: 23180
Ion Ratio Lower Upper
95 100
174 87.1 0.0 168.0
176 85.1 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

Tgt Ion: 117 Resp: 59278
Ion Ratio Lower Upper
117 100
82 51.3 43.5 65.3
119 31.4 26.7 40.1

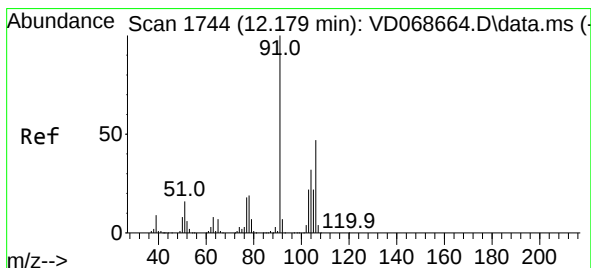
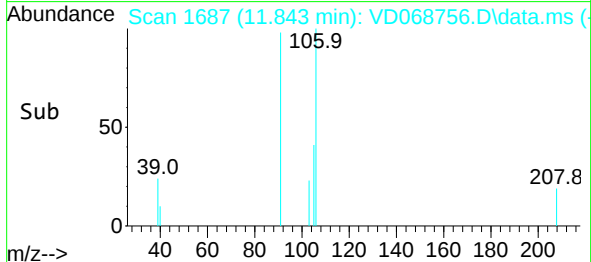
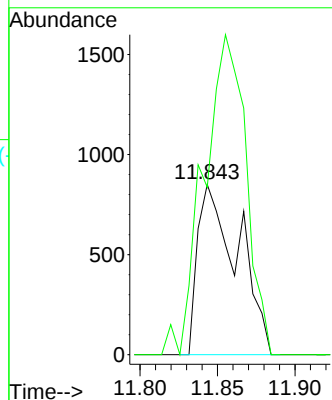
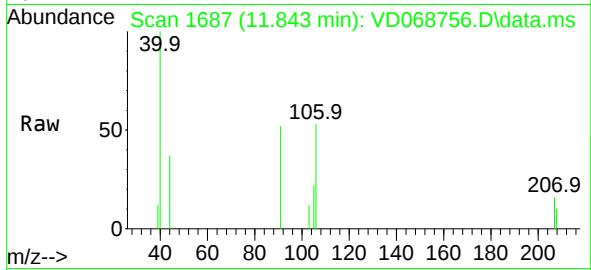




#68
m/p-Xylenes
Concen: 1.94 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.012 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

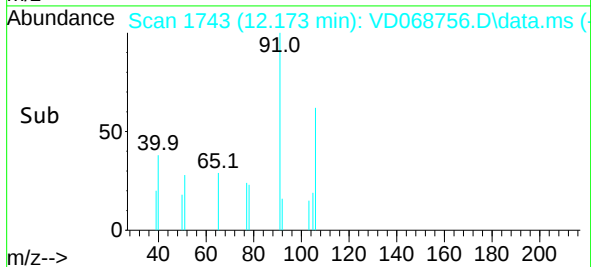
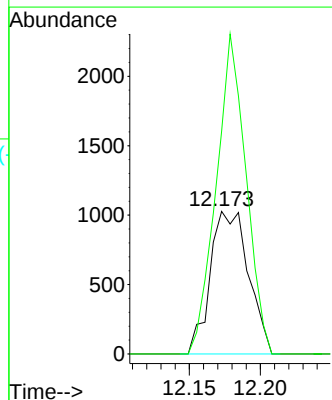
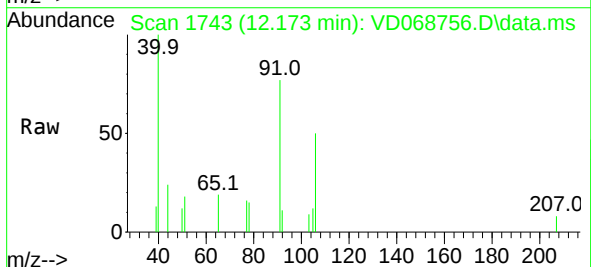
Instrument :
MSVOA_D
ClientSampleId :
124018-A

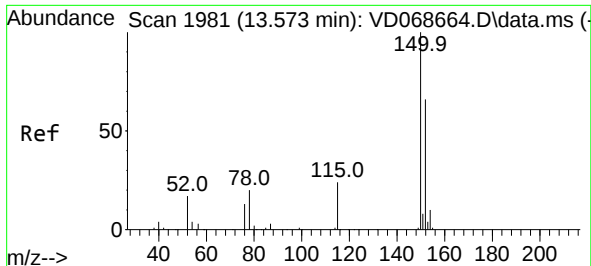
Tgt Ion:106 Resp: 1542
Ion Ratio Lower Upper
106 100
91 196.2 158.6 238.0



#69
o-Xylene
Concen: 2.62 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

Tgt Ion:106 Resp: 1923
Ion Ratio Lower Upper
106 100
91 175.4 105.0 315.0

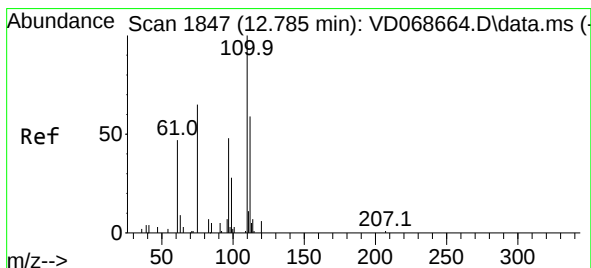
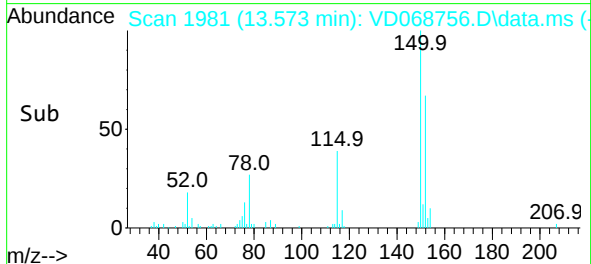
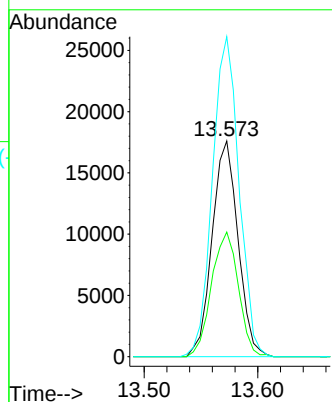
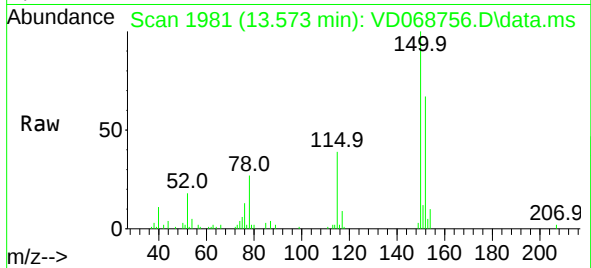




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

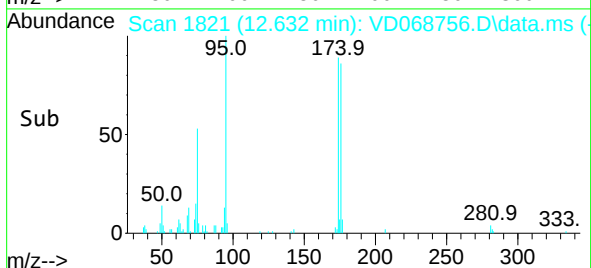
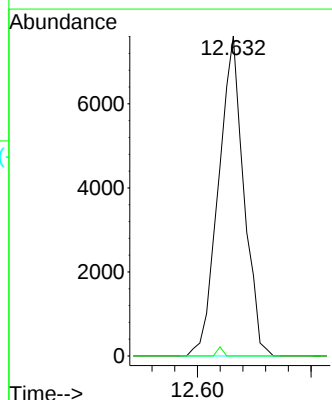
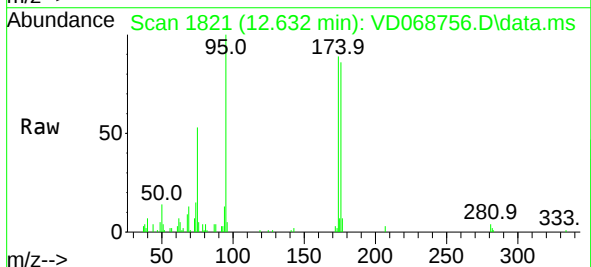
Instrument :
MSVOA_D
ClientSampleId :
124018-A

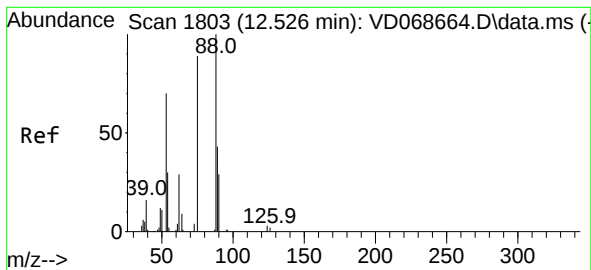
Tgt Ion:152 Resp: 27911
Ion Ratio Lower Upper
152 100
115 59.8 29.3 87.8
150 152.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 50.59 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068756.D
Acq: 01 Apr 2021 14:07

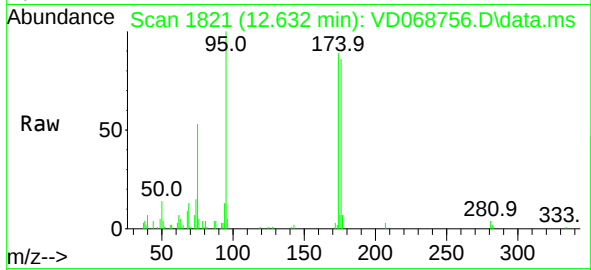
Tgt Ion: 75 Resp: 11752
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.09 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068756.D
 Acq: 01 Apr 2021 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 124018-A



Tgt Ion: 75 Resp: 11752
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 36.6 54.8#

