

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042021\
 Data File : VD068916.D
 Acq On : 20 Apr 2021 11:43
 Operator : VA/SY
 Sample : M2077-05
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 21 08:06:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

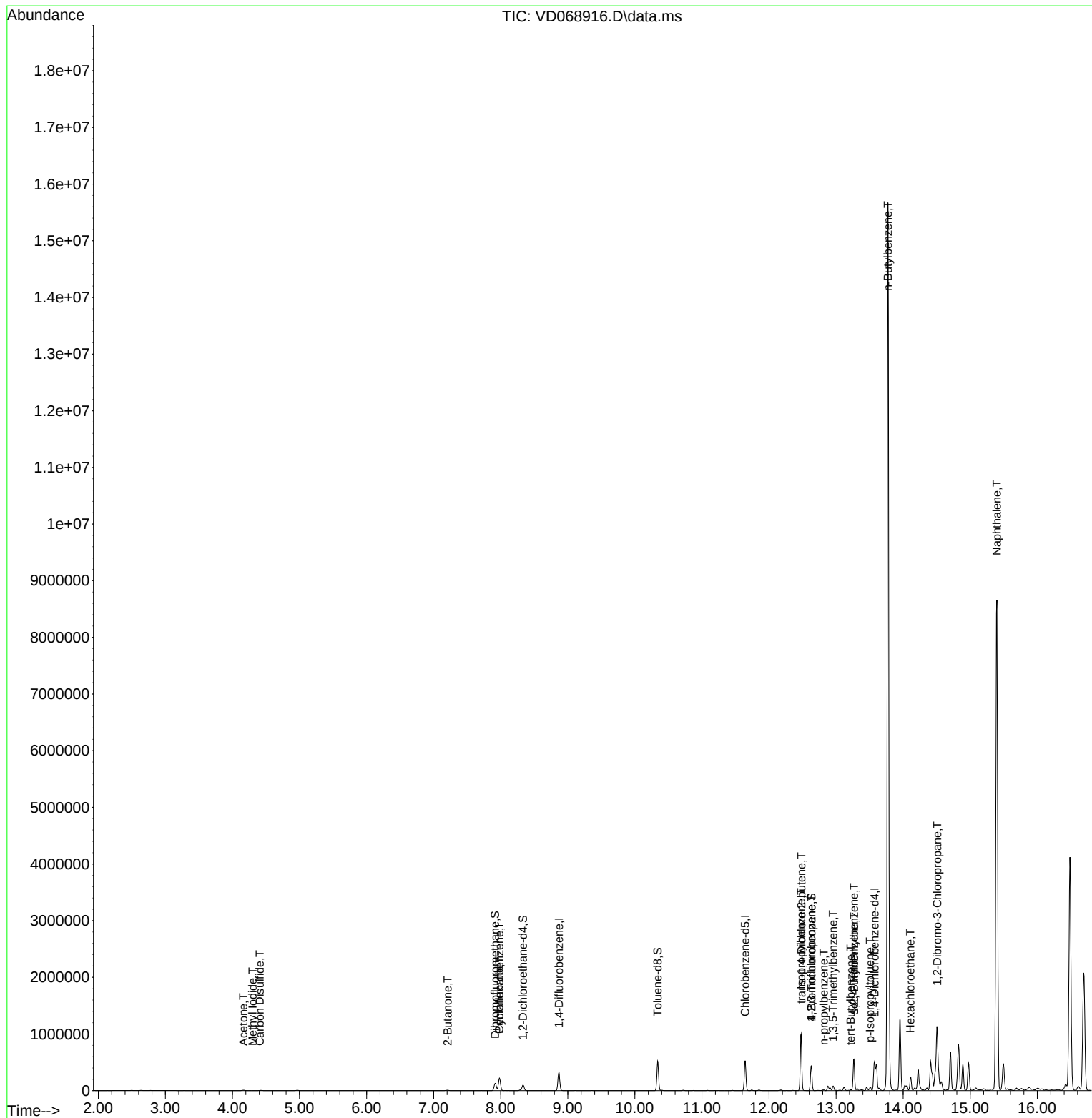
Internal Standards						
1) Pentafluorobenzene	7.979	168	166259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	297798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	316998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	139585	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	76977	43.81	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.62%		
35) Dibromofluoromethane	7.914	113	94743	48.91	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.82%		
50) Toluene-d8	10.338	98	367685	50.32	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.64%		
62) 4-Bromofluorobenzene	12.632	95	144909	59.71	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	119.42%		
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	66	2.28	ug/l #	41
11) Tert butyl alcohol	5.214	59	160	Below Cal	#	73
16) Acetone	4.162	43	14157	58.18	ug/l	96
17) Carbon Disulfide	4.409	76	7699	1.43	ug/l #	92
20) Methylene Chloride	4.973	84	5124	Below Cal		86
25) 2-Butanone	7.208	43	4561	13.25	ug/l	89
31) Cyclohexane	7.979	56	4082	1.40	ug/l #	34
73) Isopropylbenzene	12.479	105	659332	64.69	ug/l	99
76) 1,2,3-Trichloropropane	12.632	75	70999	55.68	ug/l #	100
78) n-propylbenzene	12.814	91	17630	1.42	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	41755	4.90	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.485	75	7273	13.24	ug/l #	53
83) tert-Butylbenzene	13.220	119	8133	1.12	ug/l	94
84) 1,2,4-Trimethylbenzene	13.267	105	315386	36.65	ug/l	95
85) sec-Butylbenzene	13.267	105	315386	30.91	ug/l #	57
86) p-Isopropyltoluene	13.508	119	28372	3.04	ug/l #	79
89) n-Butylbenzene	13.773	91	1305939	148.80	ug/l #	42
90) Hexachloroethane	14.108	117	12795	6.89	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.508	75	27124	93.67	ug/l #	1
95) Naphthalene	15.396	128	7903124	1745.58	ug/l	98

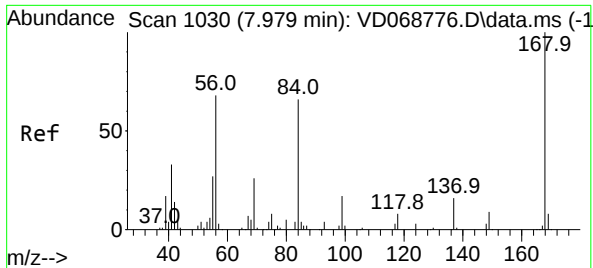
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

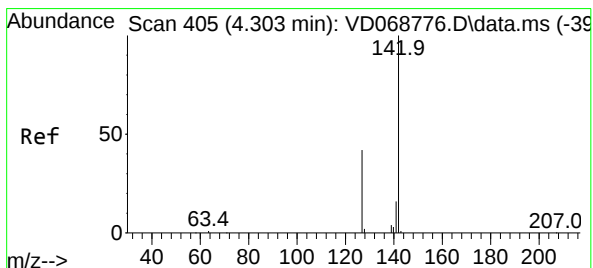
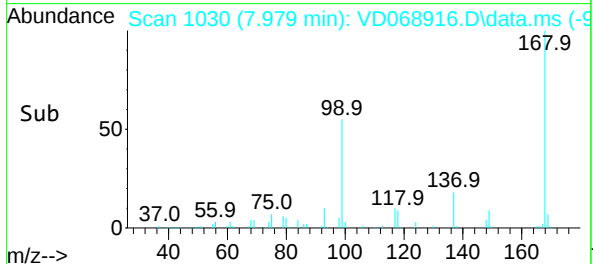
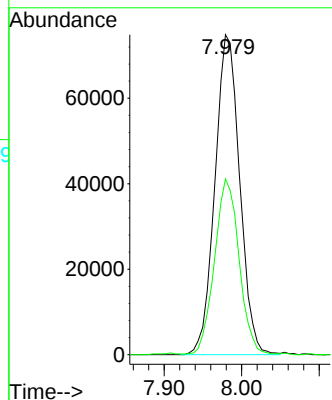
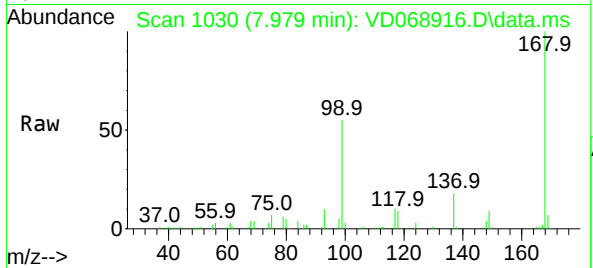




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

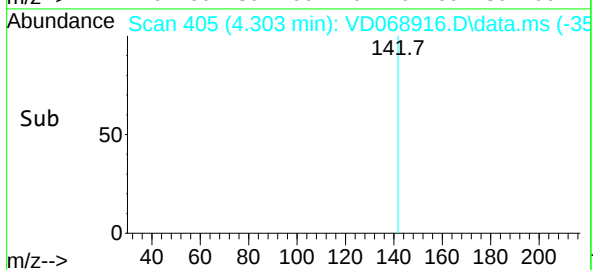
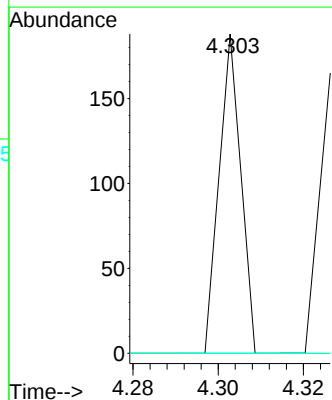
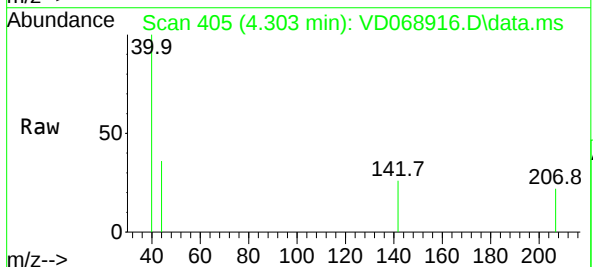
Instrument :
MSVOA_D
ClientSampleId :

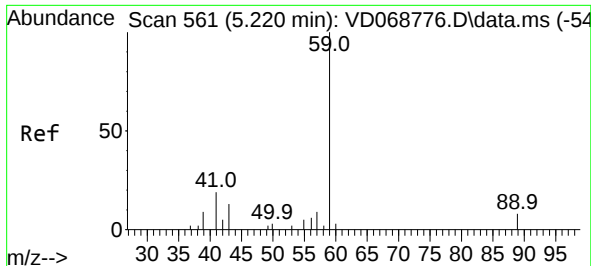
Tgt Ion:168 Resp: 166259
Ion Ratio Lower Upper
168 100
99 54.7 46.2 69.2



#10
Methyl Iodide
Concen: 2.28 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

Tgt Ion:142 Resp: 66
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

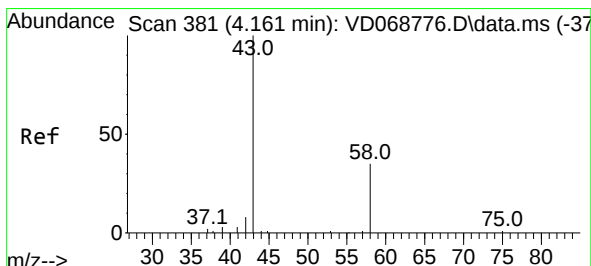
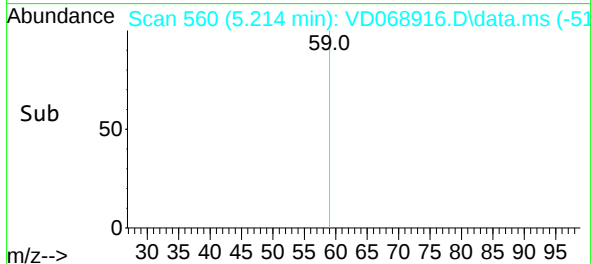
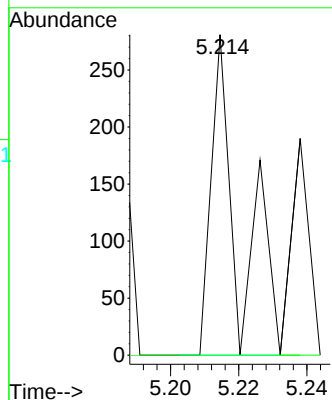
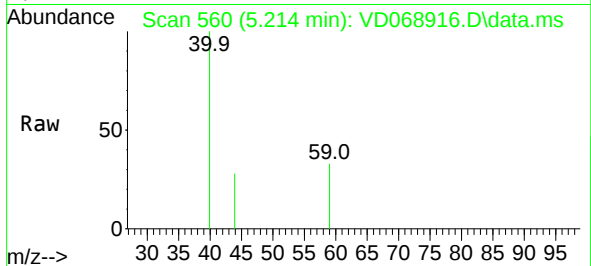




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

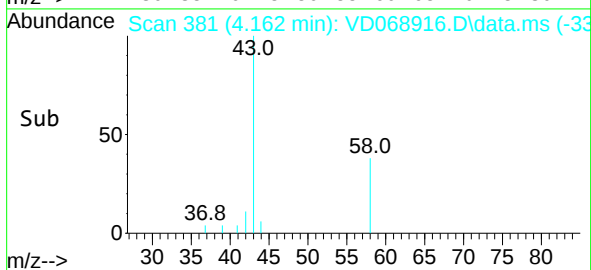
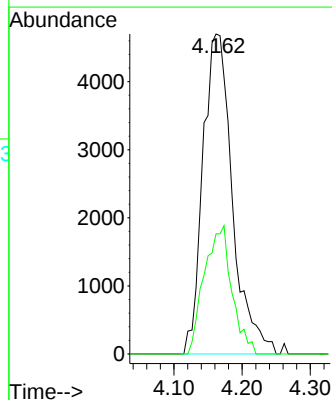
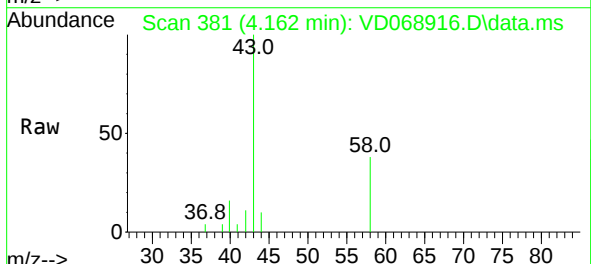
Instrument :
MSVOA_D
ClientSampled :

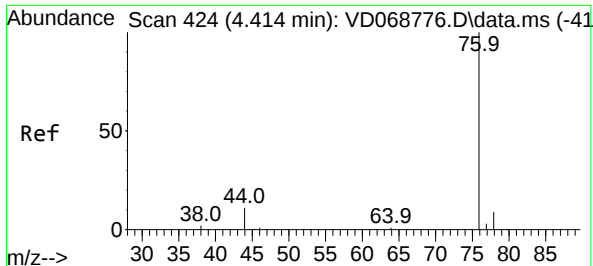
Tgt Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 58.18 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

Tgt Ion: 43 Resp: 14157
Ion Ratio Lower Upper
43 100
58 37.5 28.0 42.0

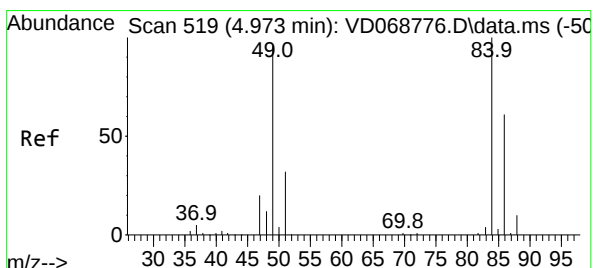
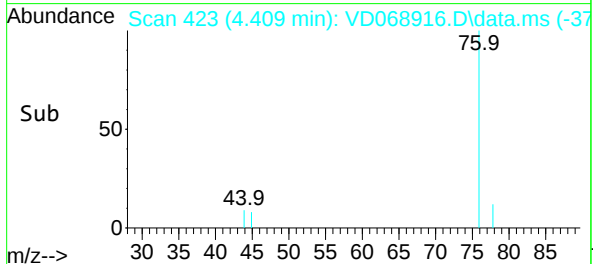
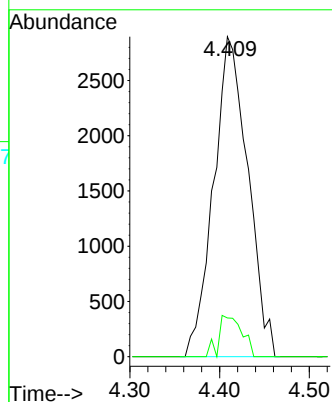
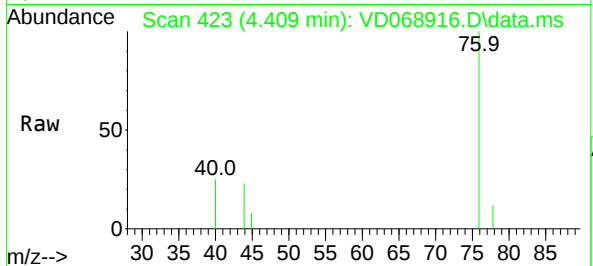




#17
Carbon Disulfide
Concen: 1.43 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

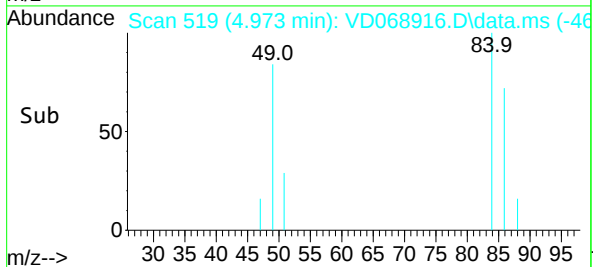
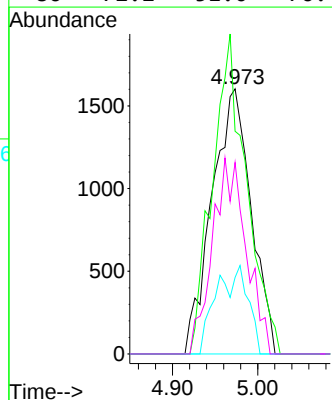
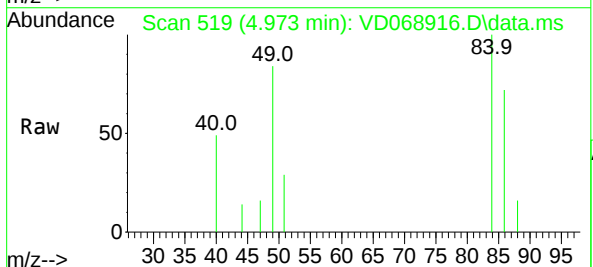
Instrument :
MSVOA_D
ClientSampleId :

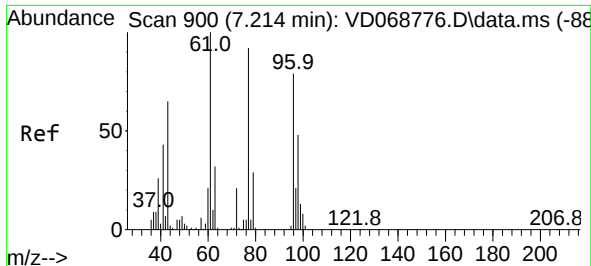
Tgt Ion: 76 Resp: 7699
Ion Ratio Lower Upper
76 100
78 12.1 7.3 10.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

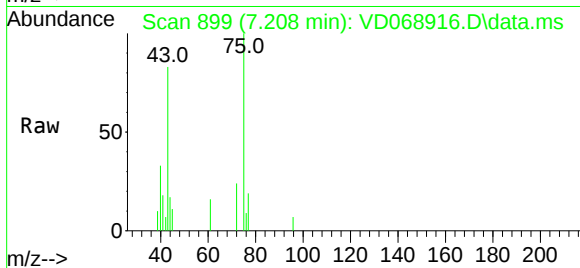
Tgt Ion: 84 Resp: 5124
Ion Ratio Lower Upper
84 100
49 84.0 83.4 125.0
51 28.9 23.4 35.2
86 72.2 51.0 76.4



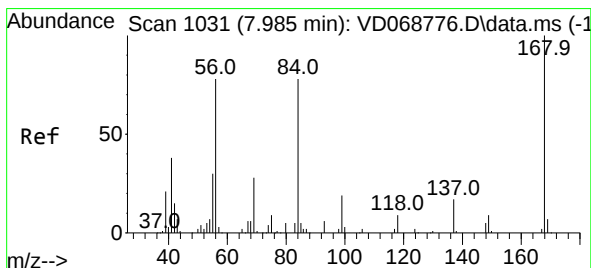
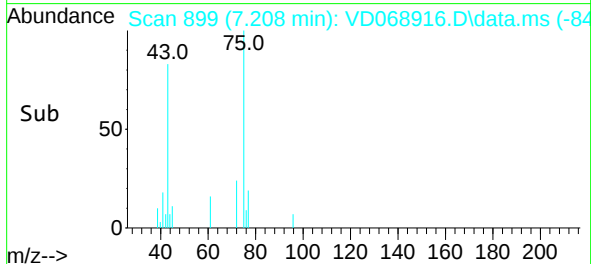
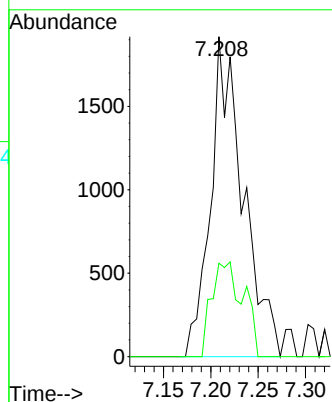


#25
2-Butanone
Concen: 13.25 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

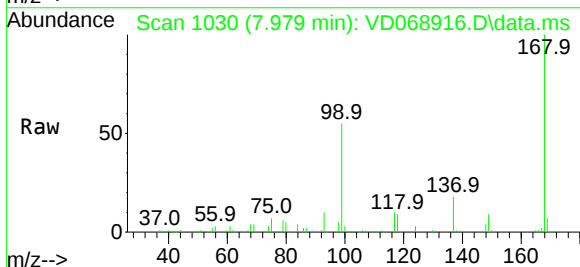
Instrument :
MSVOA_D
ClientSampleId :



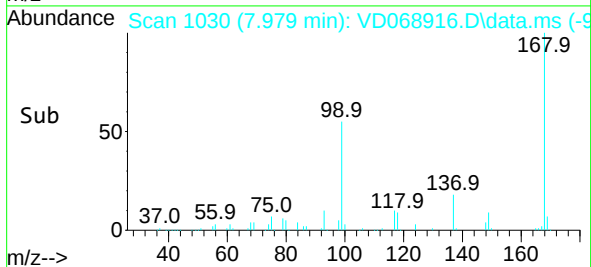
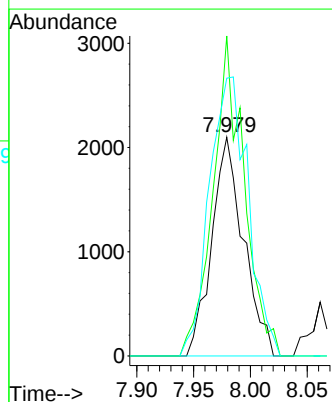
Tgt Ion: 43 Resp: 4561
Ion Ratio Lower Upper
43 100
72 29.2 28.6 43.0

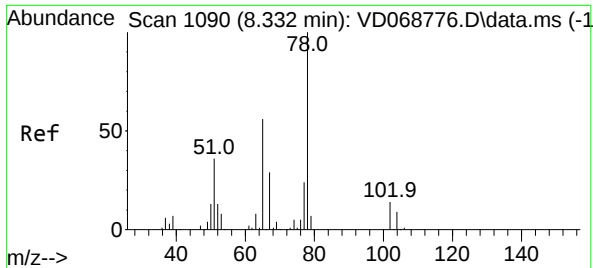


#31
Cyclohexane
Concen: 1.40 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43



Tgt Ion: 56 Resp: 4082
Ion Ratio Lower Upper
56 100
69 146.3 30.0 45.0#
84 127.0 82.0 123.0#

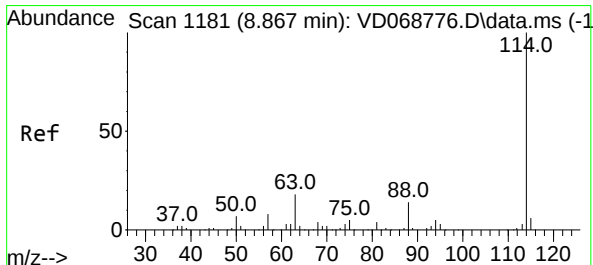
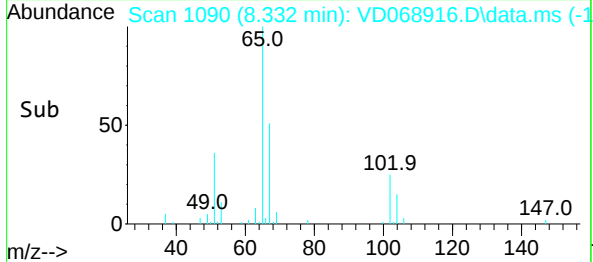
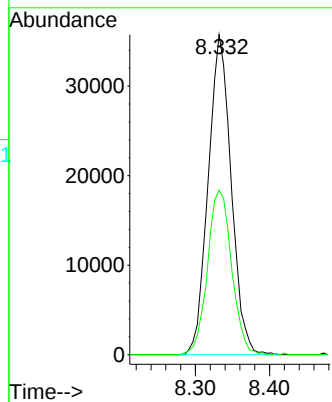
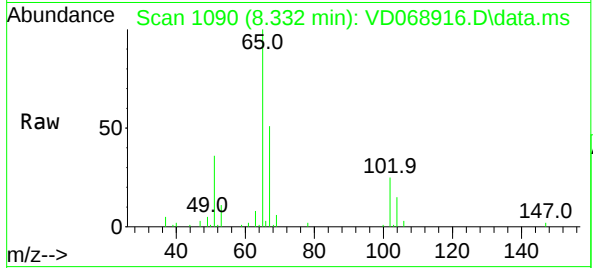




#33
 1,2-Dichloroethane-d4
 Concen: 43.81 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.000 min
 Lab File: VD068916.D
 Acq: 20 Apr 2021 11:43

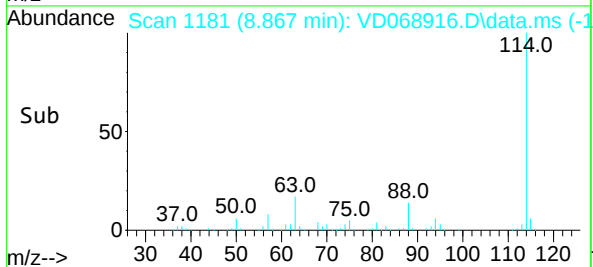
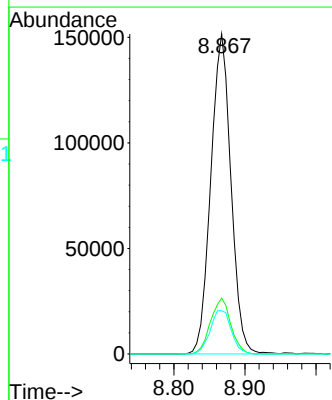
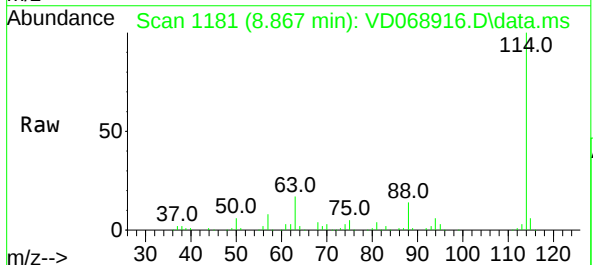
Instrument :
 MSVOA_D
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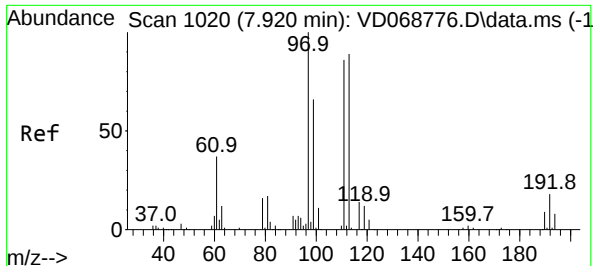
Tgt Ion: 65 Resp: 76977
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD068916.D
 Acq: 20 Apr 2021 11:43

Tgt Ion: 114 Resp: 297798
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 38.2
 88 13.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 48.91 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068916.D

Acq: 20 Apr 2021 11:43

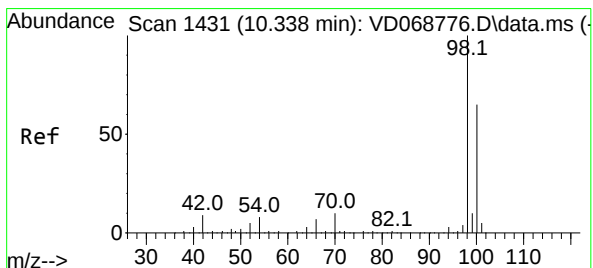
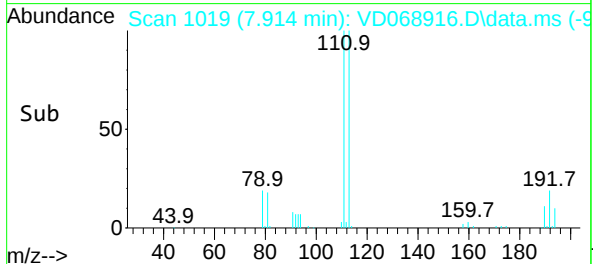
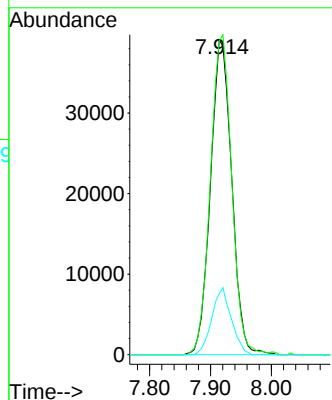
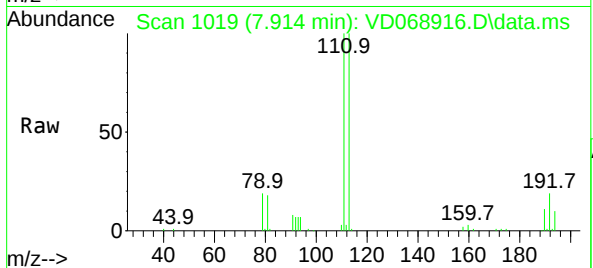
Tgt Ion:113 Resp: 94743

Ion Ratio Lower Upper

113 100

111 102.2 82.5 123.7

192 19.5 15.1 22.7



#50

Toluene-d8

Concen: 50.32 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD068916.D

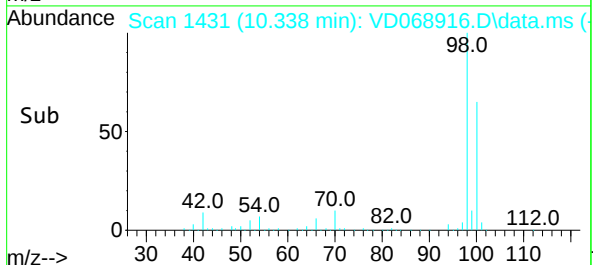
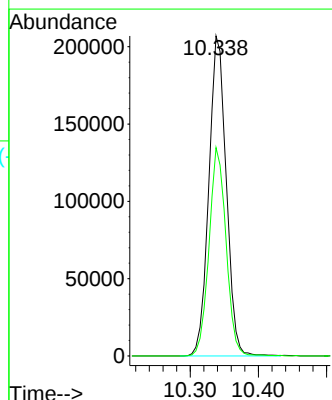
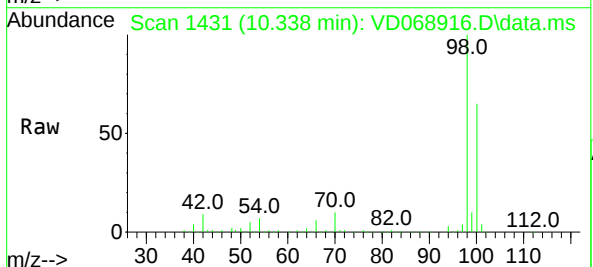
Acq: 20 Apr 2021 11:43

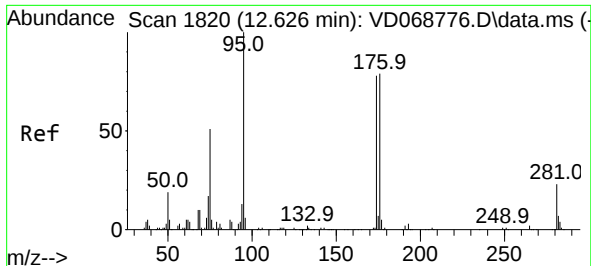
Tgt Ion: 98 Resp: 367685

Ion Ratio Lower Upper

98 100

100 63.8 51.8 77.6

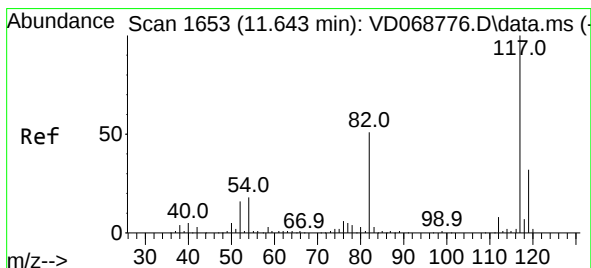
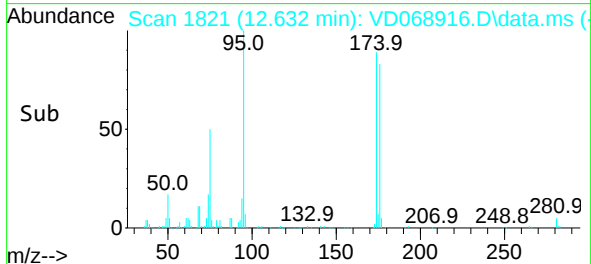
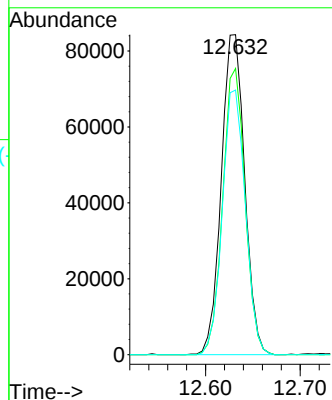
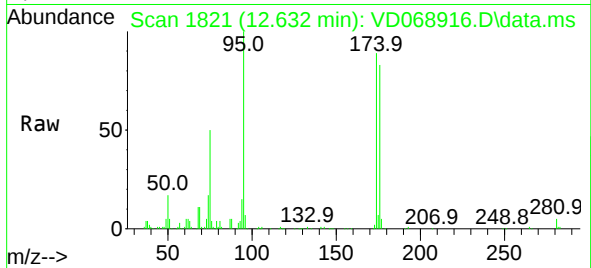




#62
4-Bromofluorobenzene
Concen: 59.71 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

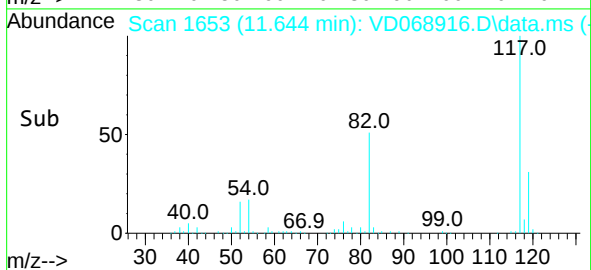
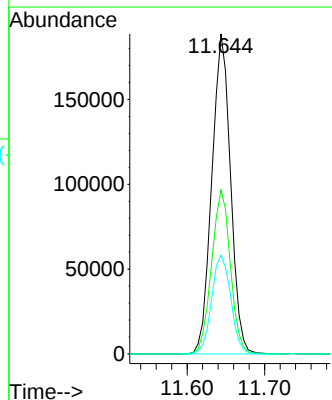
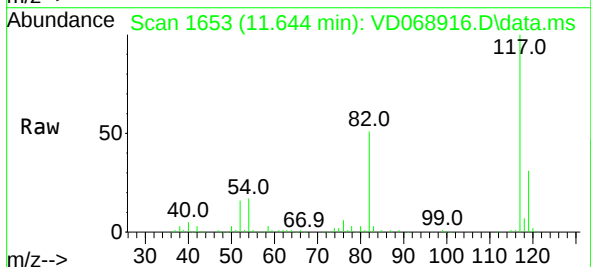
Instrument :
MSVOA_D
ClientSampleId :

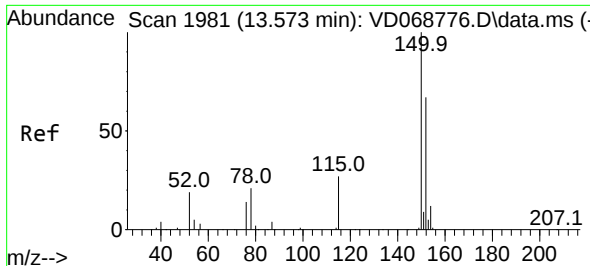
Tgt Ion: 95 Resp: 144909
Ion Ratio Lower Upper
95 100
174 85.3 0.0 168.0
176 81.4 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

Tgt Ion: 117 Resp: 316998
Ion Ratio Lower Upper
117 100
82 51.2 43.5 65.3
119 30.9 26.7 40.1

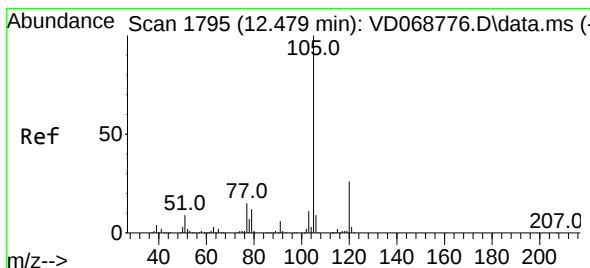
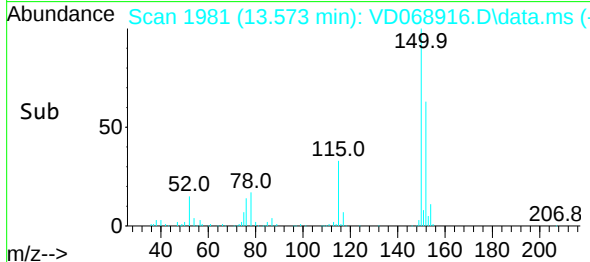
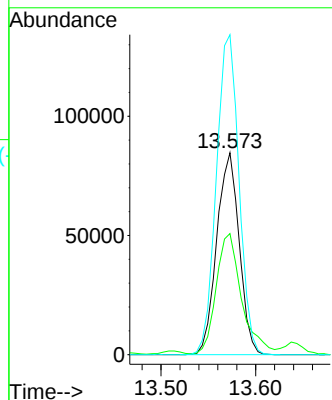
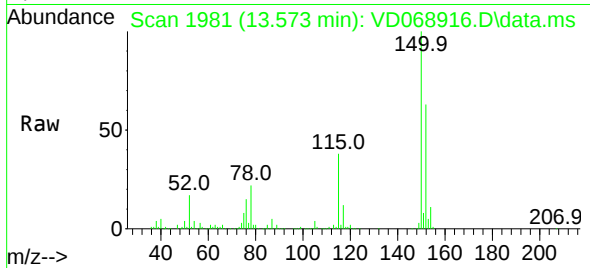




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

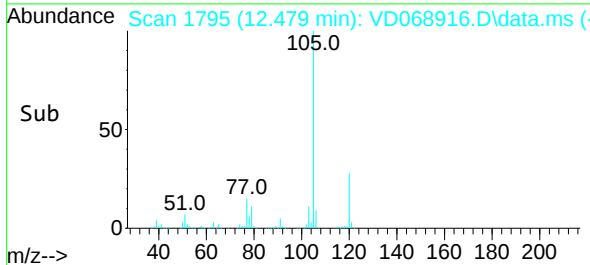
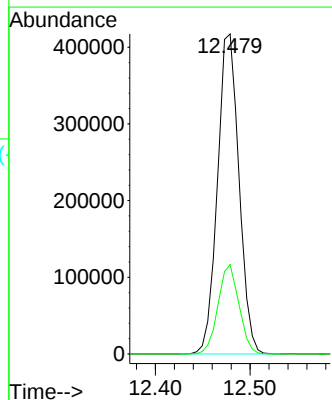
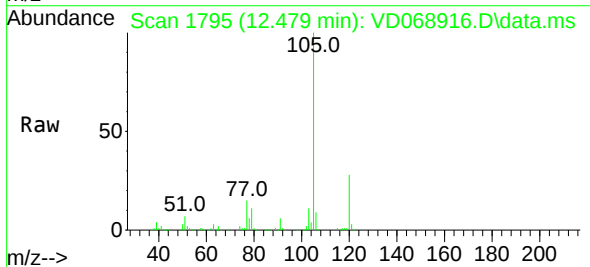
Instrument :
MSVOA_D
ClientSampled :

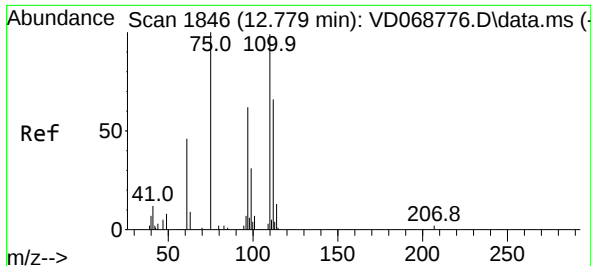
Tgt Ion:152 Resp: 139585
Ion Ratio Lower Upper
152 100
115 67.0 29.3 87.8
150 159.7 0.0 347.6



#73
Isopropylbenzene
Concen: 64.69 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

Tgt Ion:105 Resp: 659332
Ion Ratio Lower Upper
105 100
120 27.2 13.4 40.2

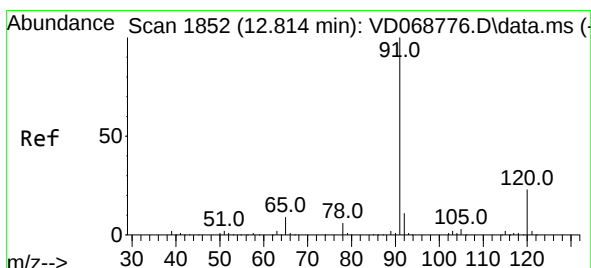
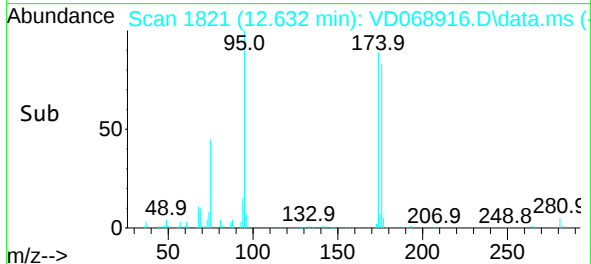
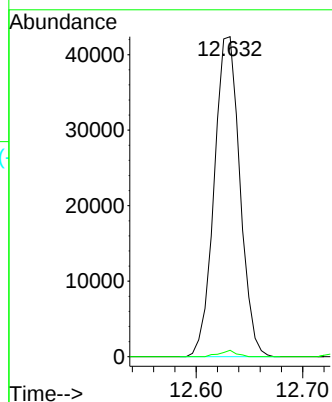
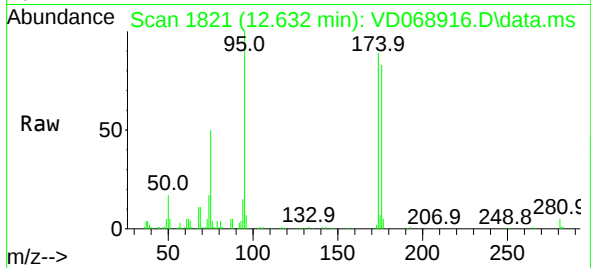




#76
1,2,3-Trichloropropane
Concen: 55.68 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

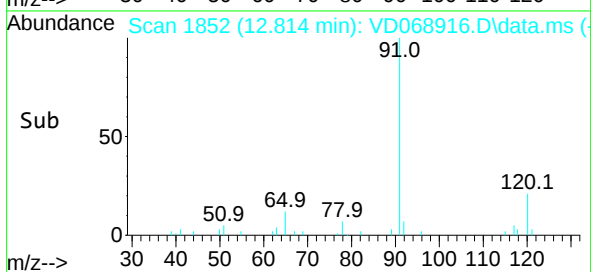
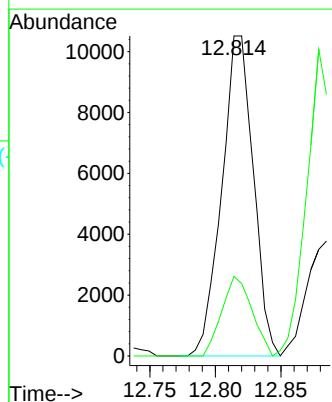
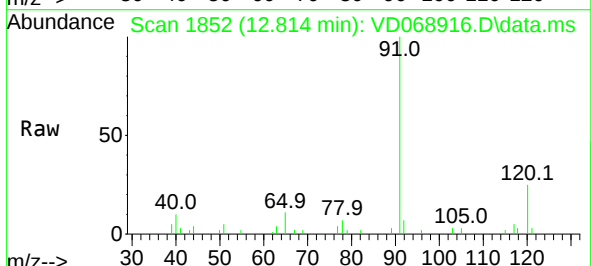
Instrument :
MSVOA_D
ClientSampleId :

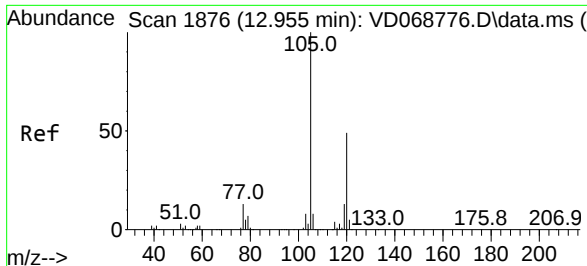
Tgt Ion: 75 Resp: 70999
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.42 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

Tgt Ion: 91 Resp: 17630
Ion Ratio Lower Upper
91 100
120 23.7 11.4 34.2

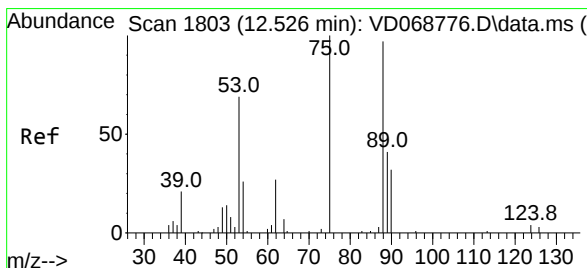
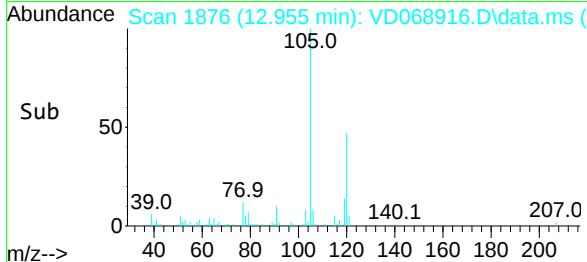
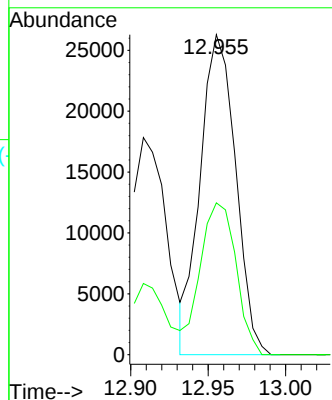
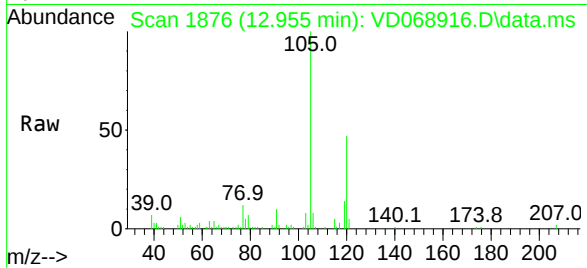




#80
1,3,5-Trimethylbenzene
Concen: 4.90 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

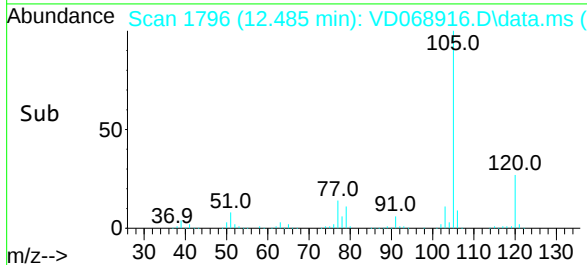
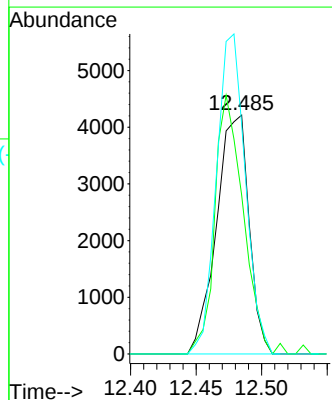
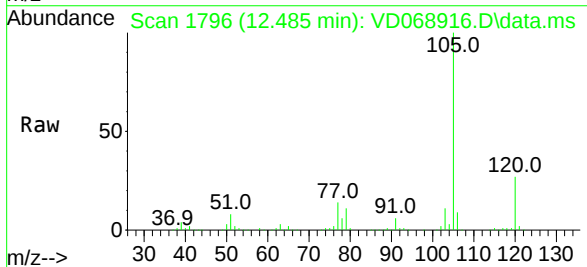
Instrument :
MSVOA_D
ClientSampled :

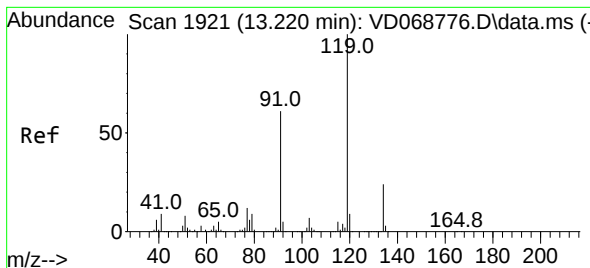
Tgt Ion:105 Resp: 41755
Ion Ratio Lower Upper
105 100
120 47.9 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 13.24 ug/l
RT: 12.485 min Scan# 1796
Delta R.T. -0.041 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

Tgt Ion: 75 Resp: 7273
Ion Ratio Lower Upper
75 100
53 94.9 66.8 100.2
89 118.8 36.6 54.8#

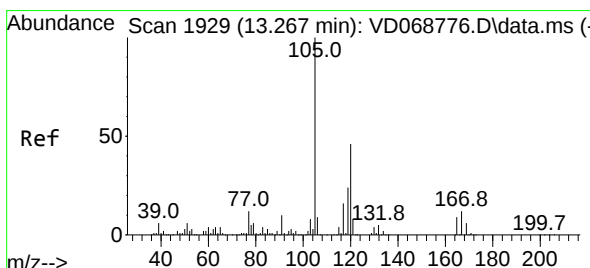
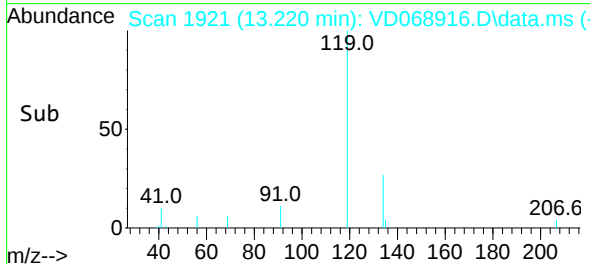
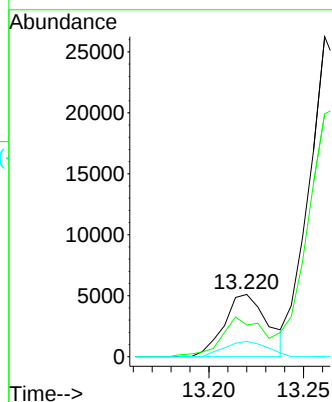
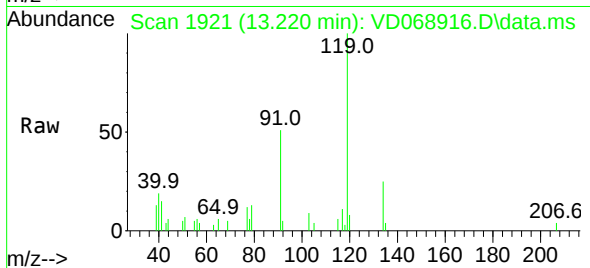




#83
tert-Butylbenzene
Concen: 1.12 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. -0.000 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

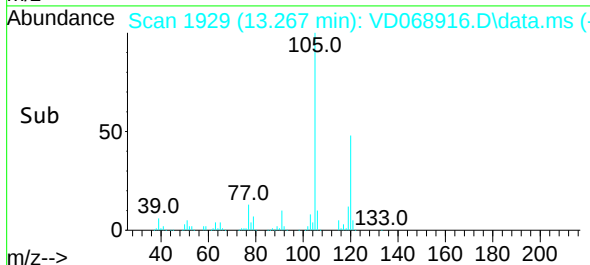
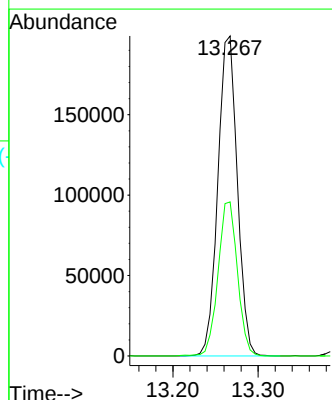
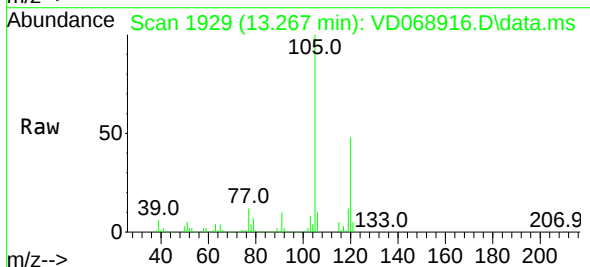
Instrument :
MSVOA_D
ClientSampleId :

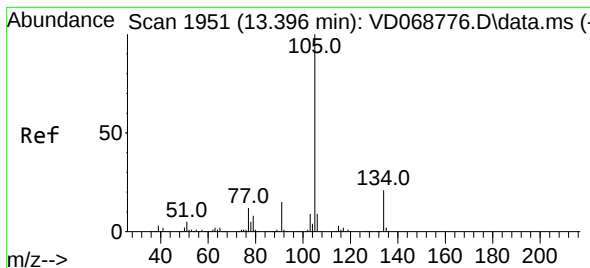
Tgt Ion:119 Resp: 8133
Ion Ratio Lower Upper
119 100
91 58.7 31.6 95.0
134 24.1 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 36.65 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

Tgt Ion:105 Resp: 315386
Ion Ratio Lower Upper
105 100
120 48.1 22.6 67.7

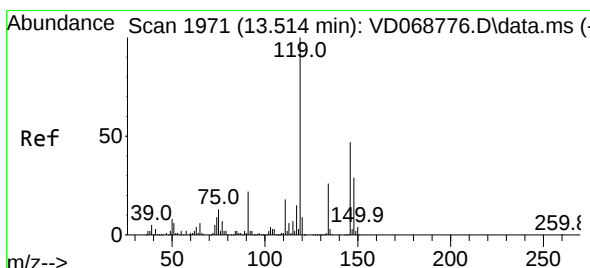
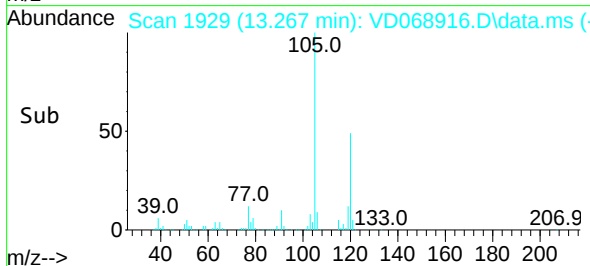
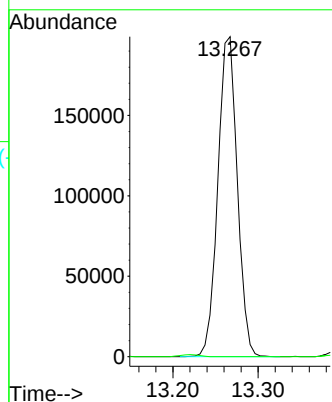
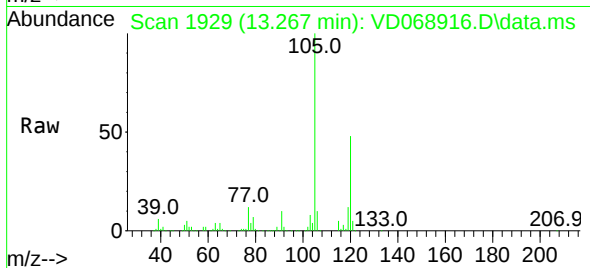




#85
 sec-Butylbenzene
 Concen: 30.91 ug/l
 RT: 13.267 min Scan# 1929
 Delta R.T. -0.129 min
 Lab File: VD068916.D
 Acq: 20 Apr 2021 11:43

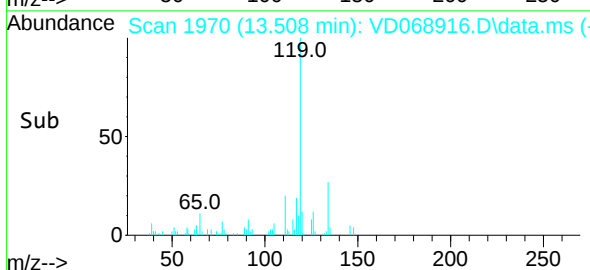
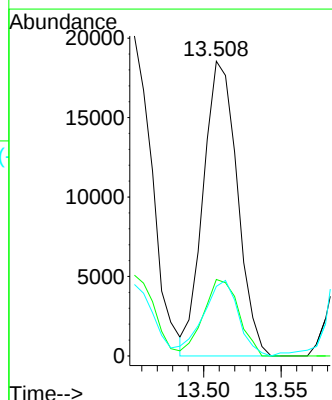
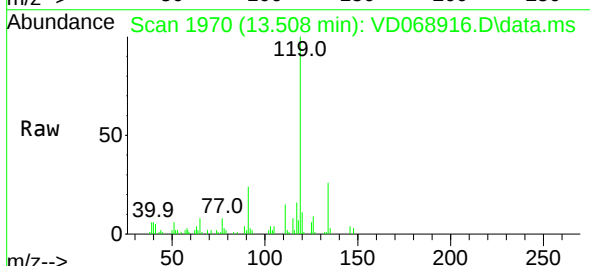
Instrument :
 MSVOA_D
 ClientSampleId :

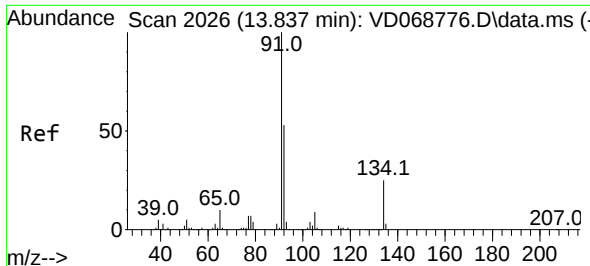
Tgt Ion:105 Resp: 315386
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#86
 p-Isopropyltoluene
 Concen: 3.04 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. -0.006 min
 Lab File: VD068916.D
 Acq: 20 Apr 2021 11:43

Tgt Ion:119 Resp: 28372
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.9
 91 0.0 11.1 33.1#

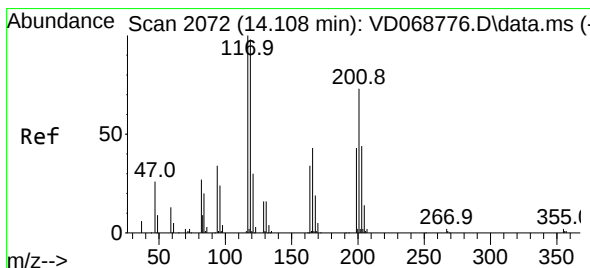
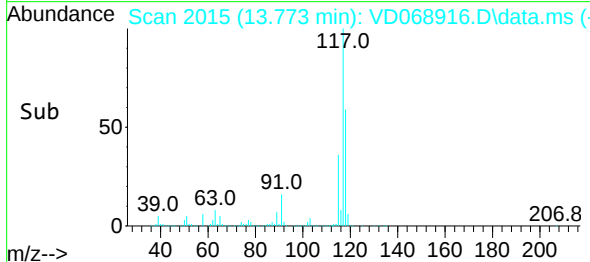
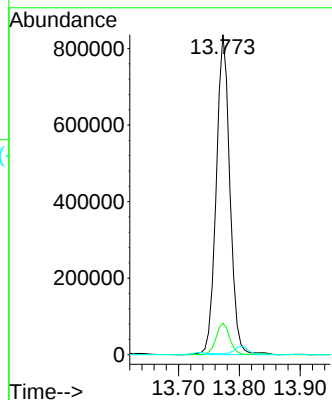
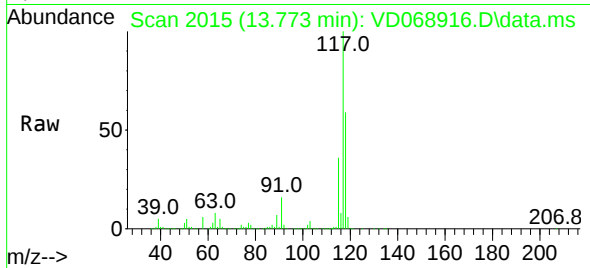




#89
n-Butylbenzene
Concen: 148.80 ug/l
RT: 13.773 min Scan# 2015
Delta R.T. -0.064 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

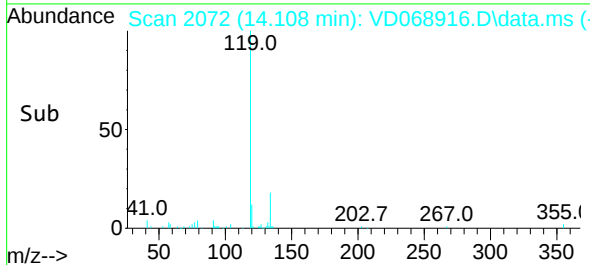
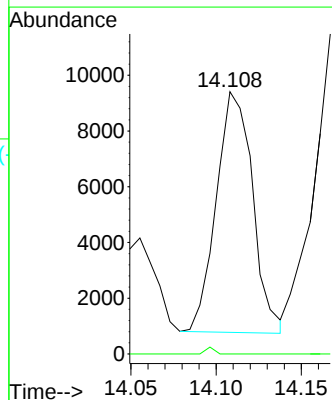
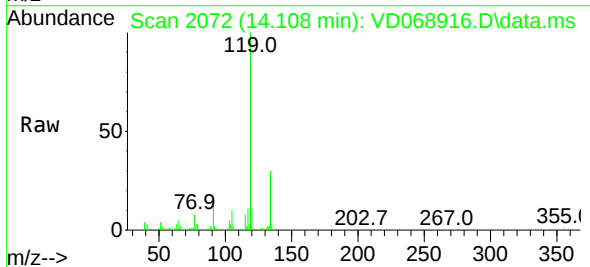
Instrument :
MSVOA_D
ClientSampleId :

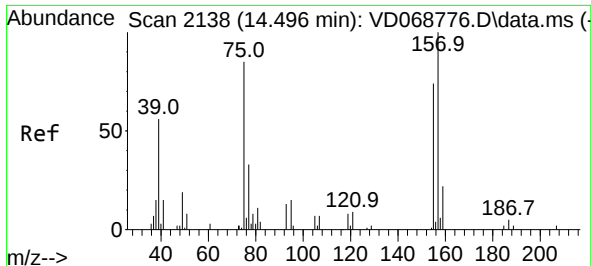
Tgt Ion: 91 Resp: 1305939
Ion Ratio Lower Upper
91 100
92 9.9 26.7 80.1#
134 0.0 12.9 38.6#



#90
Hexachloroethane
Concen: 6.89 ug/l
RT: 14.108 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

Tgt Ion: 117 Resp: 12795
Ion Ratio Lower Upper
117 100
201 0.7 35.4 106.2#

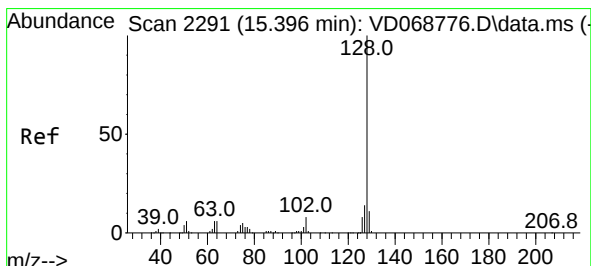
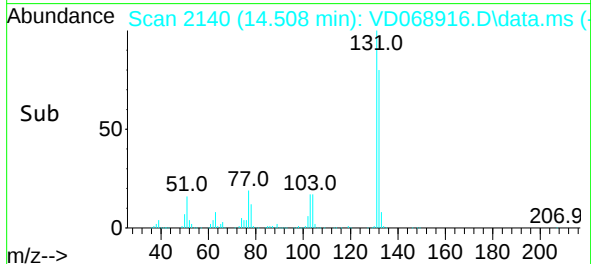
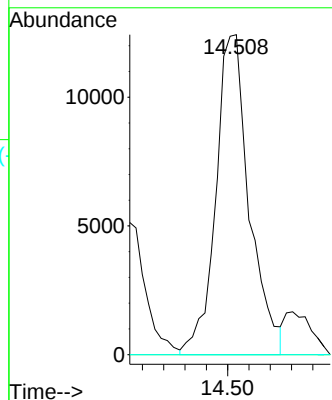
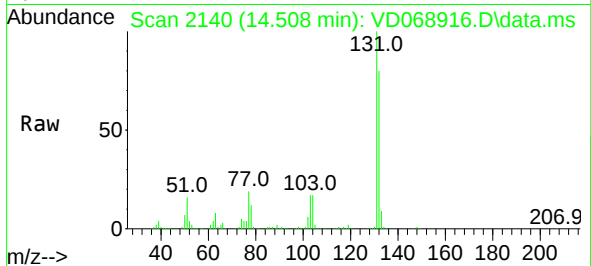




#92
1,2-Dibromo-3-Chloropropane
Concen: 93.67 ug/l
RT: 14.508 min Scan# 2140
Delta R.T. 0.012 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 27124
Ion Ratio Lower Upper
75 100
155 0.0 46.8 140.3#
157 0.0 59.8 179.3#



#95
Naphthalene
Concen: 1745.58 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068916.D
Acq: 20 Apr 2021 11:43

Tgt Ion:128 Resp: 7903124
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.4
129 11.5 8.9 13.3

