

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061721\
 Data File : VN067381.D
 Acq On : 17 Jun 2021 17:02
 Operator : JC/MD
 Sample : PB137151TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 05:11:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

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

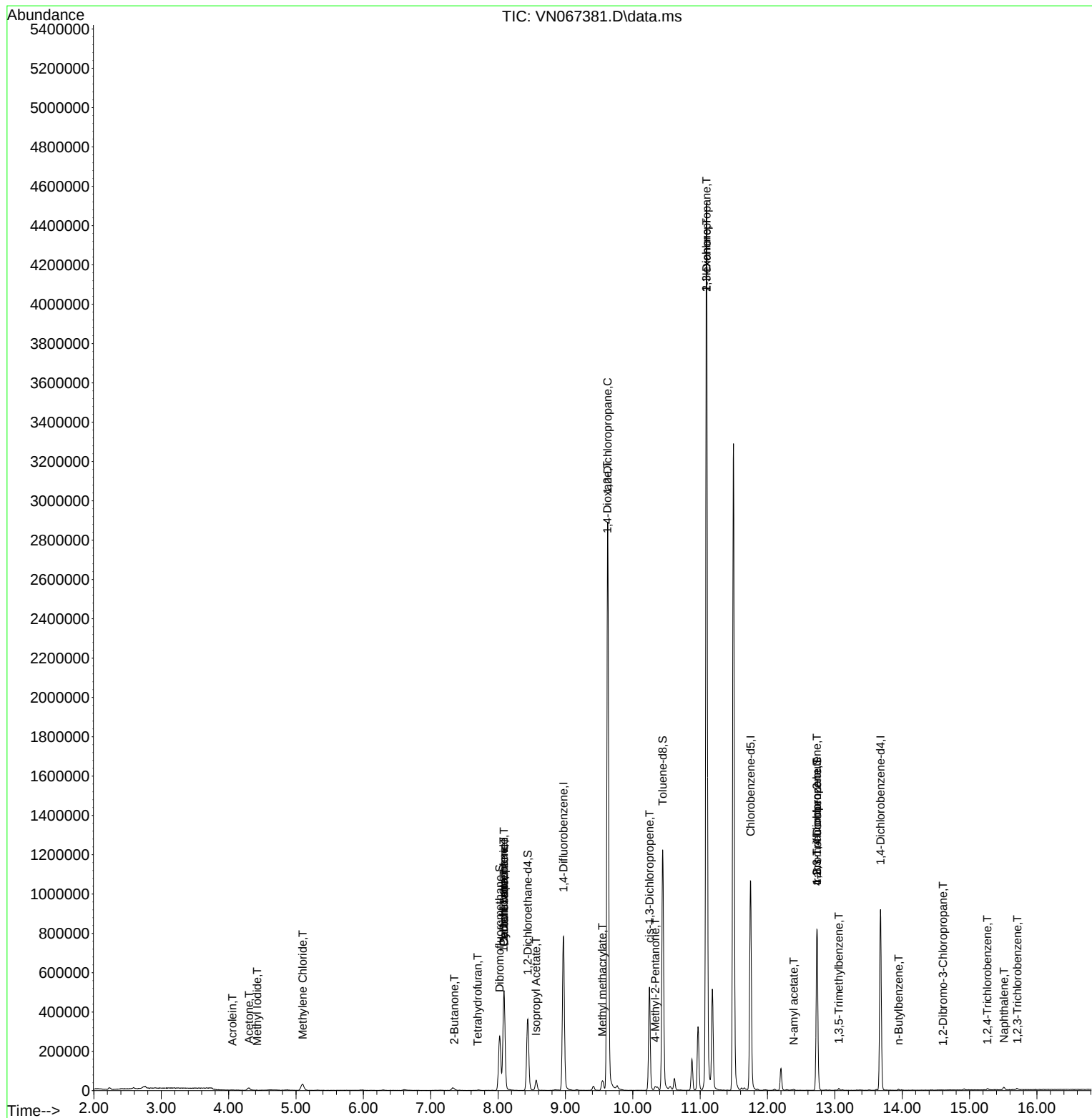
Internal Standards						
1) Pentafluorobenzene	8.088	168	317875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	637868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	569484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	207195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	312511	49.836	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.680%		
35) Dibromofluoromethane	8.021	113	200981	47.375	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.760%		
50) Toluene-d8	10.443	98	839088	51.604	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.200%		
62) 4-Bromofluorobenzene	12.736	95	306847	45.727	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.460%		
Target Compounds						Qvalue
10) Methyl Iodide	4.422	142	136	6.773	ug/l #	47
13) Acrolein	4.057	56	724	1.124	ug/l #	75
16) Acetone	4.304	43	24595	10.221	ug/l	91
20) Methylene Chloride	5.101	84	24877	4.968	ug/l #	90
25) 2-Butanone	7.351	43	7810	2.271	ug/l	95
29) Tetrahydrofuran	7.697	42	1053	0.486	ug/l #	77
31) Cyclohexane	8.088	56	11471	1.346	ug/l #	12
36) 1,1-Dichloropropene	8.083	75	37497	5.244	ug/l #	51
38) Carbon Tetrachloride	8.088	117	40133	5.221	ug/l #	17
43) Isopropyl Acetate	8.566	43	62049	4.563	ug/l #	91
45) 1,2-Dichloropropane	9.625	63	3616	0.679	ug/l #	44
48) Methyl methacrylate	9.550	41	14096	2.273	ug/l #	13
49) 1,4-Dioxane	9.623	88	239	2.816	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	11904	1.520	ug/l #	87
54) cis-1,3-Dichloropropene	10.247	75	91573	10.072	ug/l #	58
57) 1,3-Dichloropropane	11.095	76	47292	5.335	ug/l #	43
59) 2-Hexanone	11.095	43	766979	133.716	ug/l #	53
74) N-amyl acetate	12.390	43	2274	0.234	ug/l #	86
76) 1,2,3-Trichloropropane	12.734	75	179573	33.375	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.058	105	4003	0.239	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.734	75	179573	82.713	ug/l #	6
89) n-Butylbenzene	13.946	91	3164	0.221	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.606	75	334	0.225	ug/l #	26
93) 1,2,4-Trichlorobenzene	15.263	180	1777	0.491	ug/l	96
95) Naphthalene	15.509	128	10998	3.436	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.708	180	1897	0.546	ug/l #	63

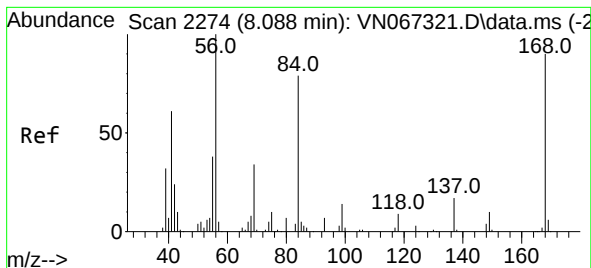
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 15 05:19:42 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN067381.D

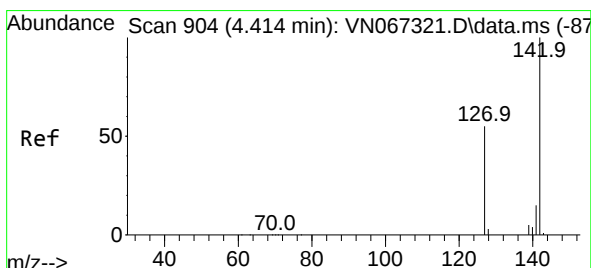
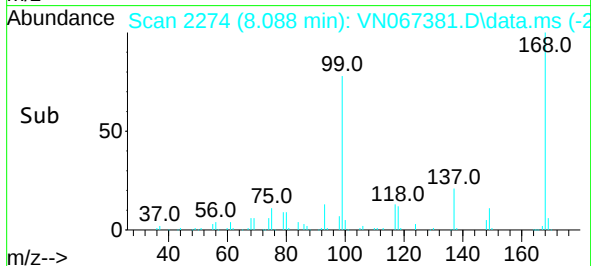
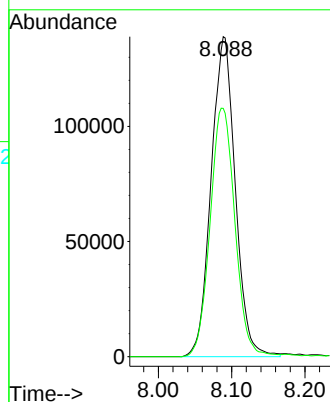
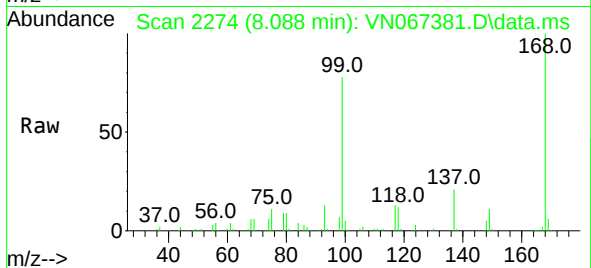
Acq: 17 Jun 2021 17:02

Tgt Ion:168 Resp: 317875

Ion Ratio Lower Upper

168 100

99 77.6 62.9 94.3



#10

Methyl Iodide

Concen: 6.773 ug/l

RT: 4.422 min Scan# 907

Delta R.T. 0.008 min

Lab File: VN067381.D

Acq: 17 Jun 2021 17:02

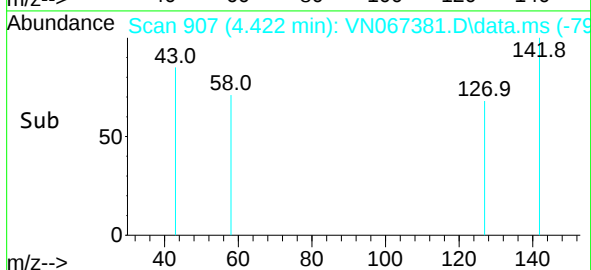
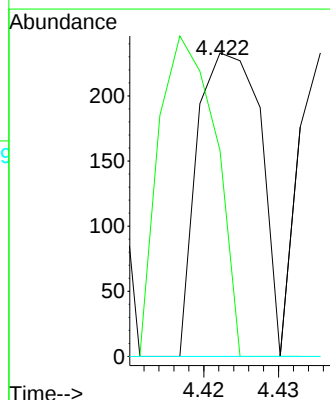
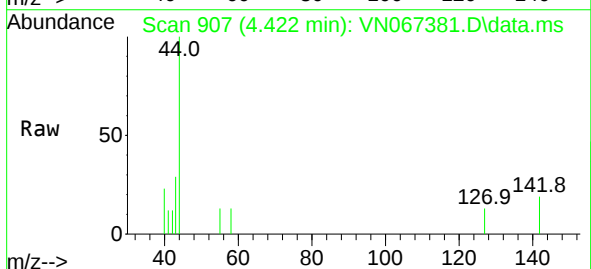
Tgt Ion:142 Resp: 136

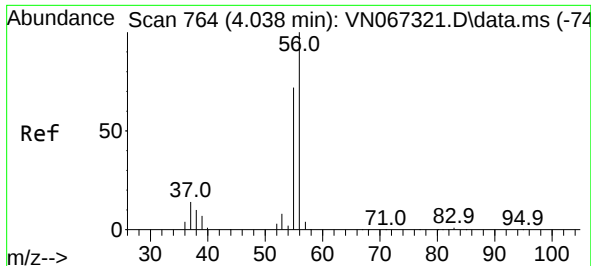
Ion Ratio Lower Upper

142 100

127 95.6 43.1 64.7#

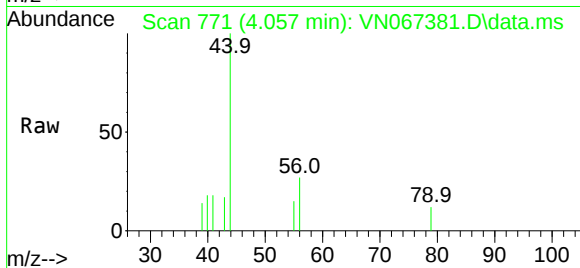
141 0.0 11.4 17.0#



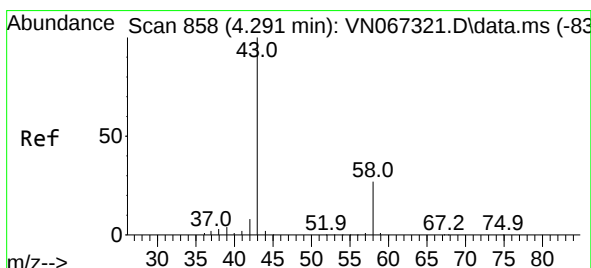
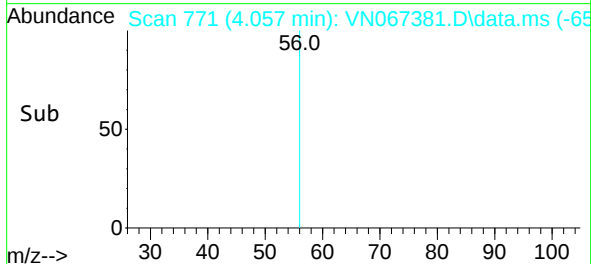
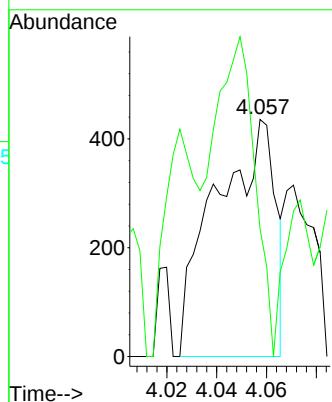


#13
Acrolein
Concen: 1.124 ug/l
RT: 4.057 min Scan# 771
Delta R.T. 0.019 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Instrument :
MSVOA_N
ClientSampled :

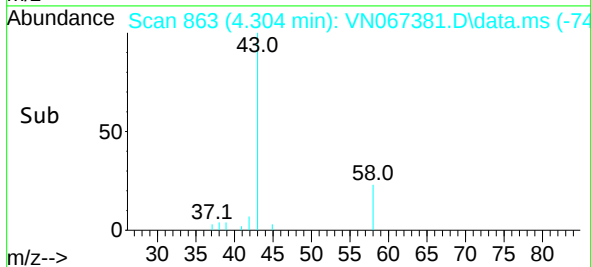
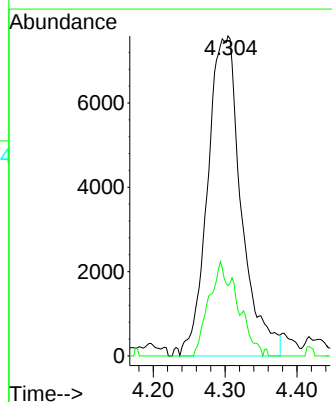
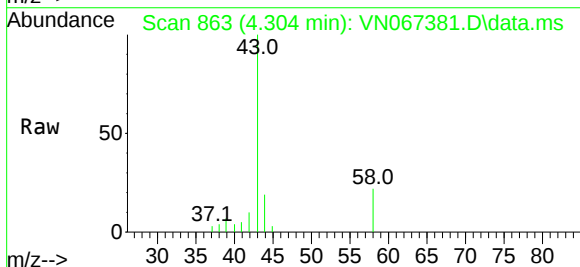


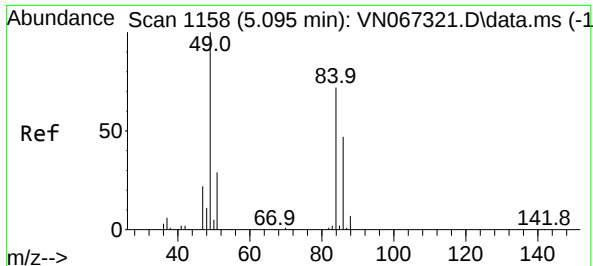
Tgt Ion: 56 Resp: 724
Ion Ratio Lower Upper
56 100
55 92.5 57.4 86.0#



#16
Acetone
Concen: 10.221 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

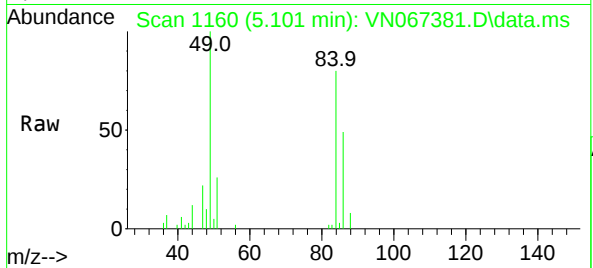
Tgt Ion: 43 Resp: 24595
Ion Ratio Lower Upper
43 100
58 21.9 21.2 31.8



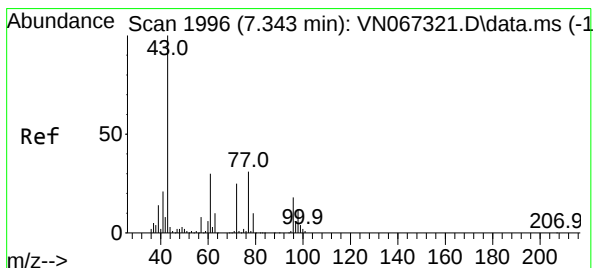
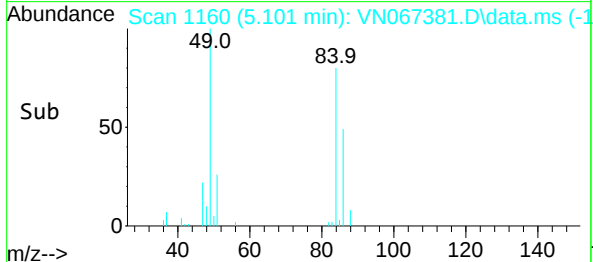
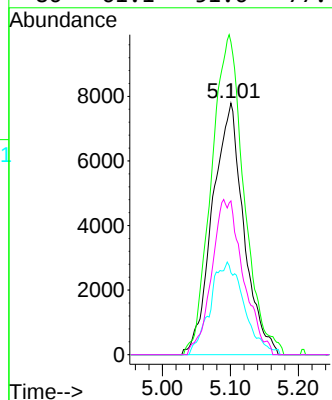


#20
Methylene Chloride
Concen: 4.968 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Instrument :
MSVOA_N
ClientSampleId :

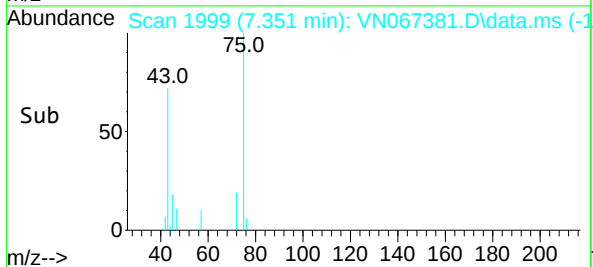
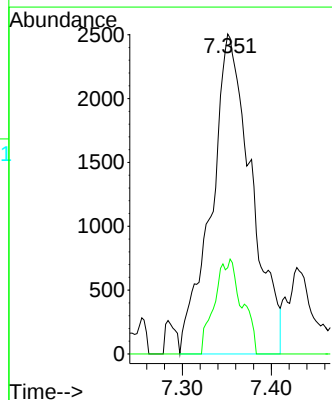
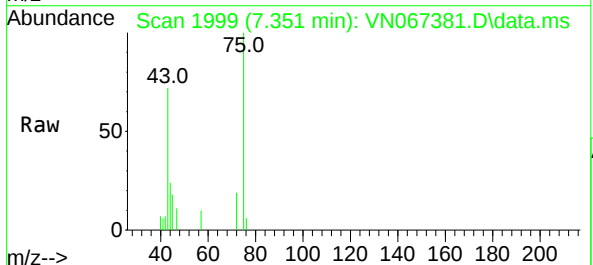


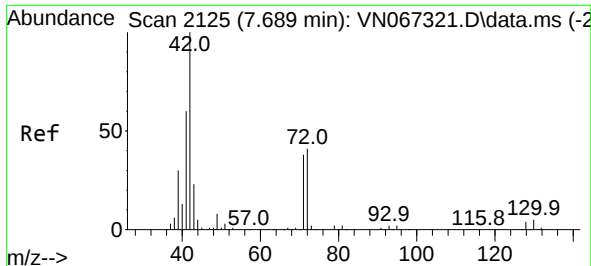
Tgt Ion:	84	Resp:	24877
Ion	Ratio	Lower	Upper
84	100		
49	124.3	110.9	166.3
51	32.6	32.6	49.0#
86	61.1	51.6	77.4



#25
2-Butanone
Concen: 2.271 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.008 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Tgt Ion:	43	Resp:	7810
Ion	Ratio	Lower	Upper
43	100		
72	27.0	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.486 ug/l

RT: 7.697 min Scan# 2128

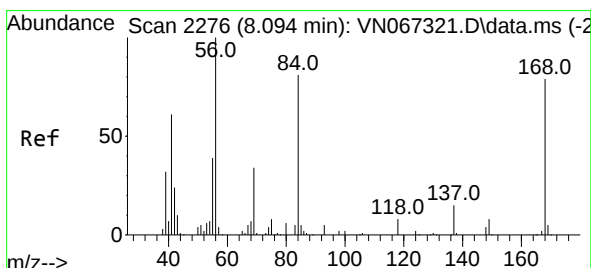
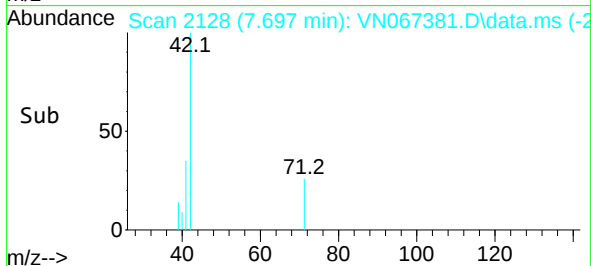
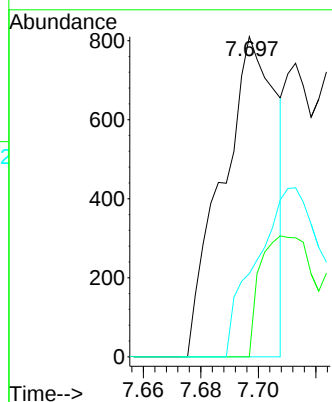
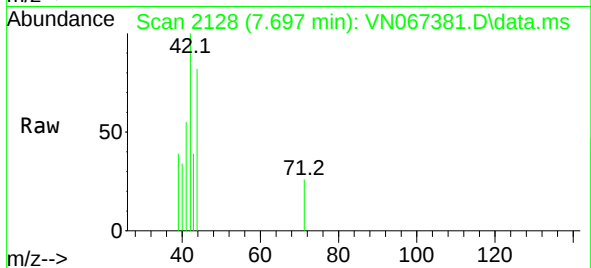
Delta R.T. 0.008 min

Lab File: VN067381.D

Acq: 17 Jun 2021 17:02

Tgt Ion: 42	Resp: 1053
Ion Ratio	Lower Upper
42 100	
72 35.8	32.8 49.2
71 62.6	31.2 46.8#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 1.346 ug/l

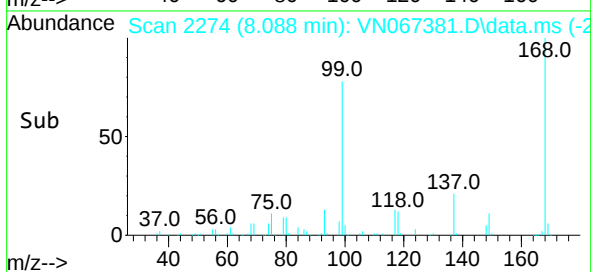
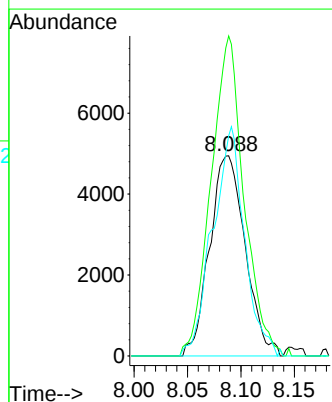
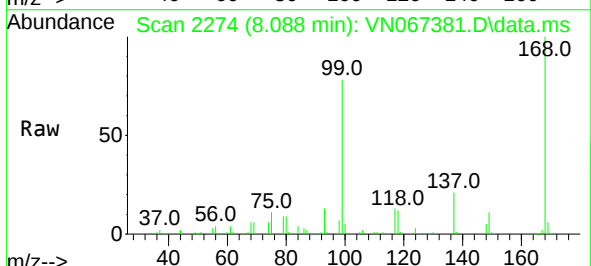
RT: 8.088 min Scan# 2274

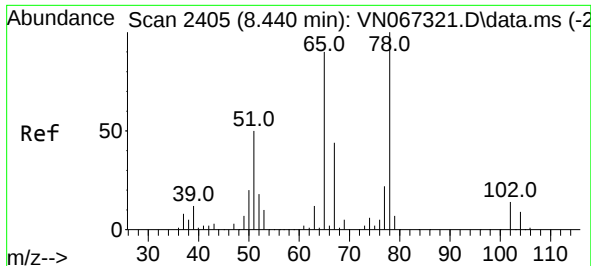
Delta R.T. -0.006 min

Lab File: VN067381.D

Acq: 17 Jun 2021 17:02

Tgt Ion: 56	Resp: 11471
Ion Ratio	Lower Upper
56 100	
69 159.9	27.3 40.9#
84 109.9	64.9 97.3#



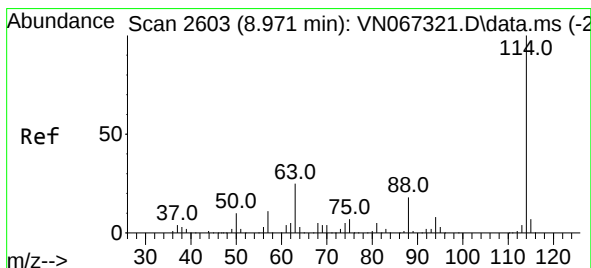
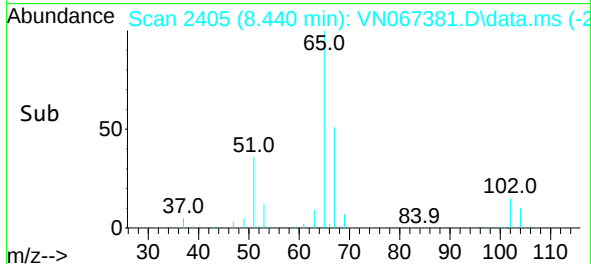
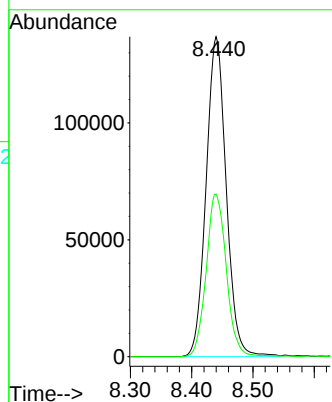
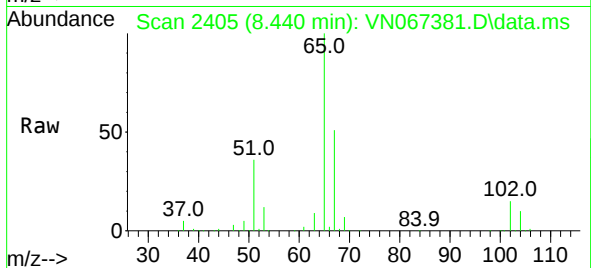


#33

1,2-Dichloroethane-d4
Concen: 49.836 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Instrument :
MSVOA_N
ClientSampled :

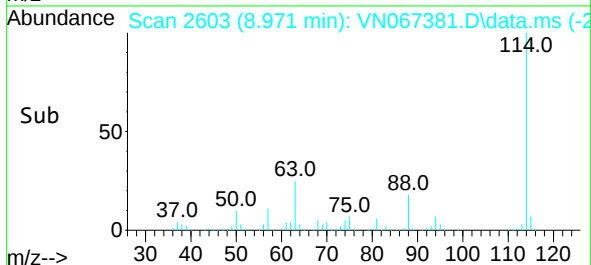
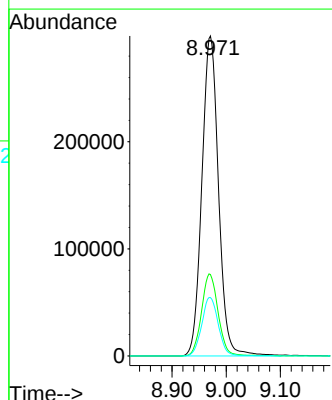
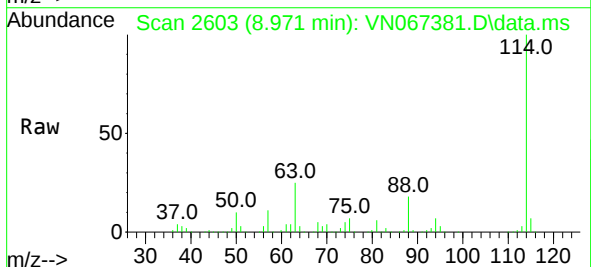
Tgt Ion: 65 Resp: 312511
Ion Ratio Lower Upper
65 100
67 50.9 0.0 98.6

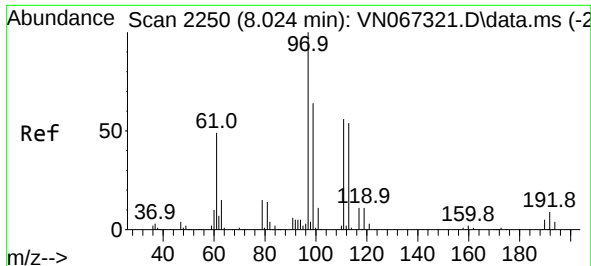


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Tgt Ion: 114 Resp: 637868
Ion Ratio Lower Upper
114 100
63 25.5 0.0 49.0
88 18.3 0.0 36.6

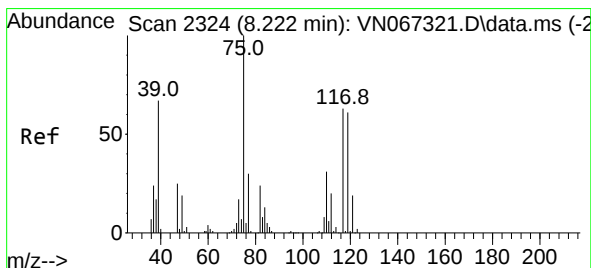
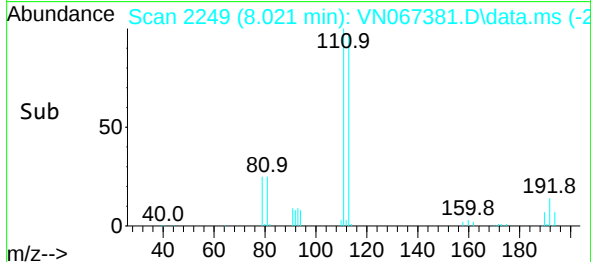
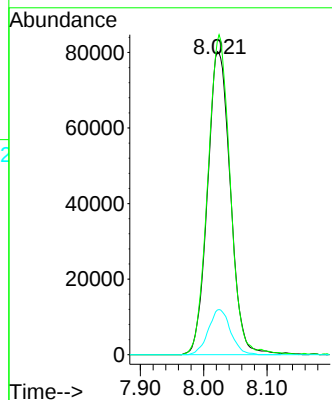
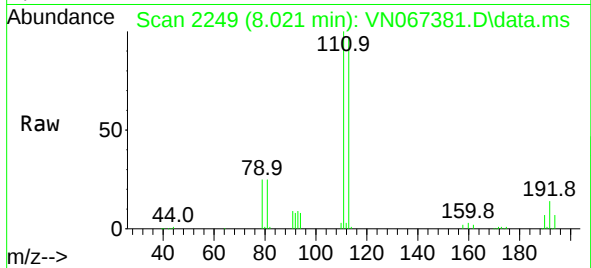




#35
Dibromofluoromethane
Concen: 47.375 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

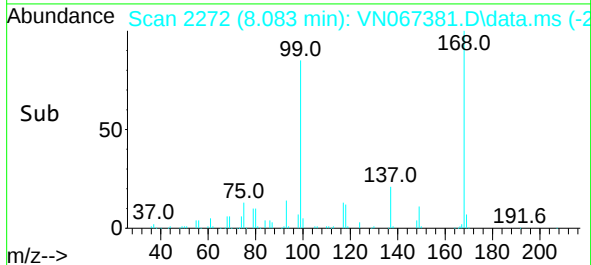
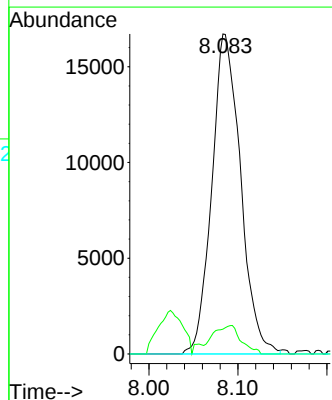
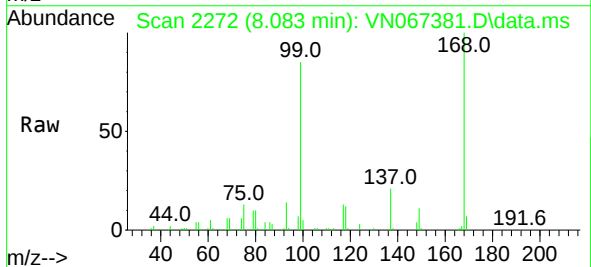
Instrument :
MSVOA_N
ClientSampleId :

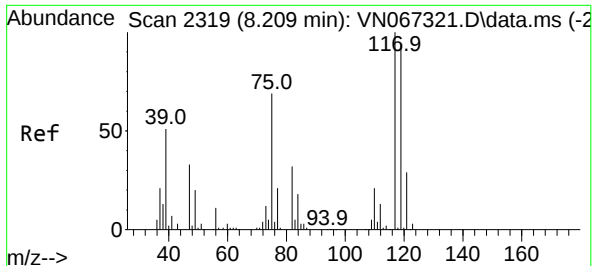
Tgt Ion:113 Resp: 200981
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.8
192 14.5 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.244 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

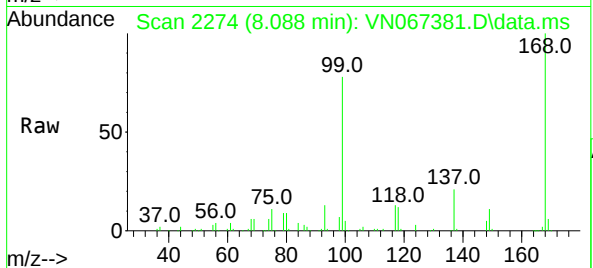
Tgt Ion: 75 Resp: 37497
Ion Ratio Lower Upper
75 100
110 8.6 15.7 47.0#
77 0.0 24.6 37.0#



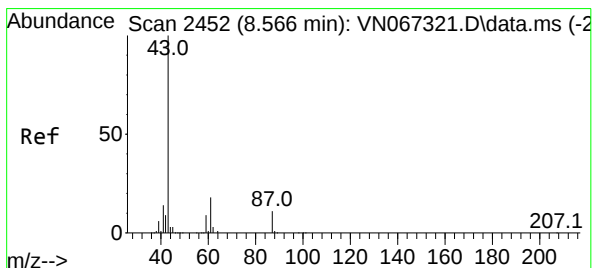
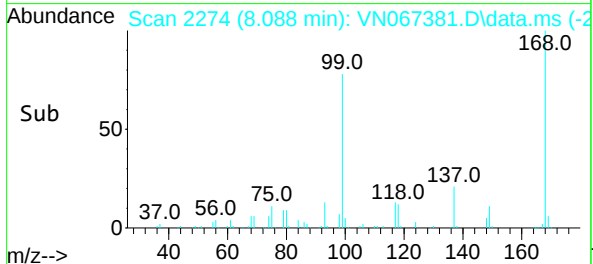
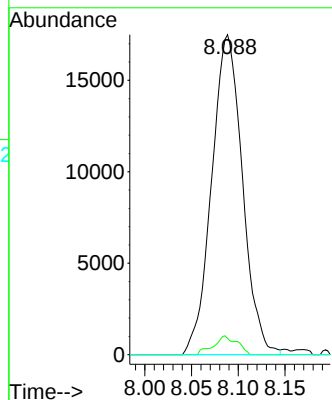


#38
Carbon Tetrachloride
Concen: 5.221 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Instrument :
MSVOA_N
ClientSampled :

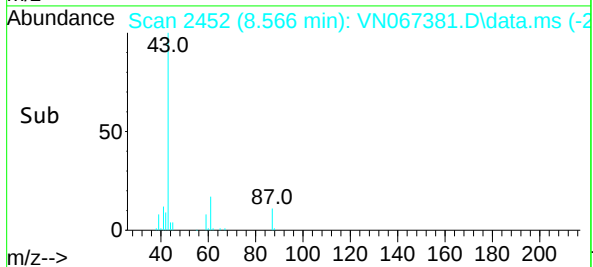
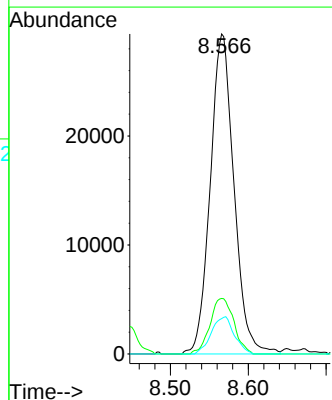
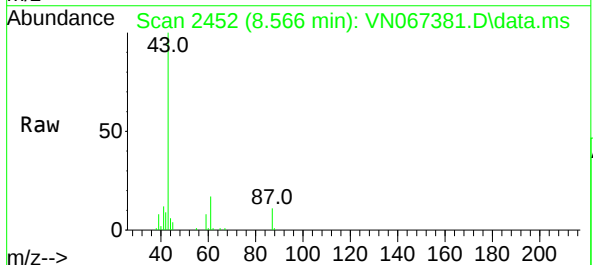


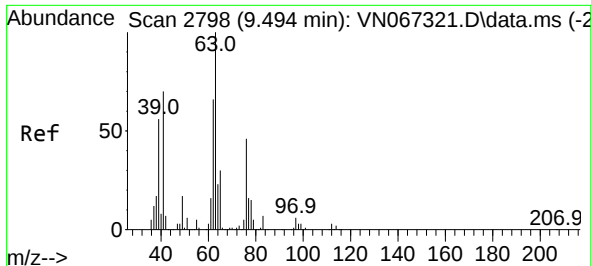
Tgt Ion:117 Resp: 40133
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 4.563 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Tgt Ion: 43 Resp: 62049
Ion Ratio Lower Upper
43 100
61 17.4 19.0 28.4#
87 11.2 9.5 14.3

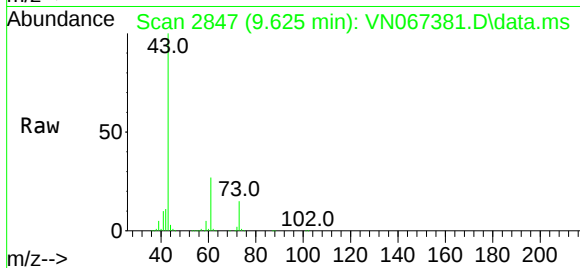




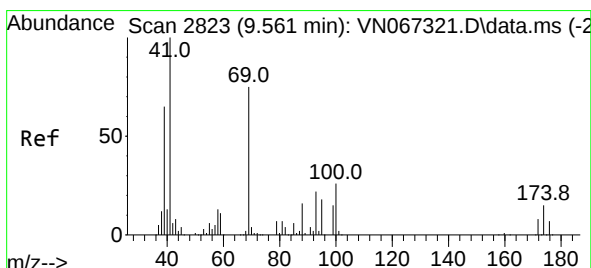
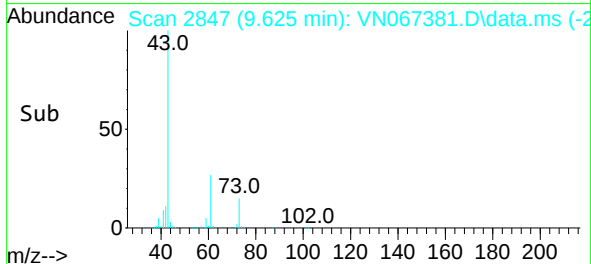
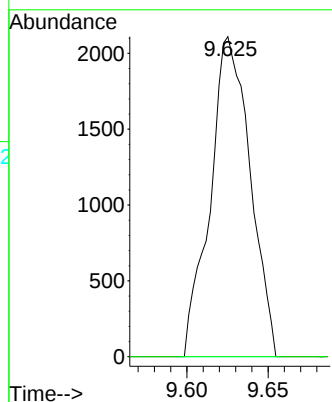
#45

1,2-Dichloropropane
Concen: 0.679 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.131 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Instrument :
MSVOA_N
ClientSampled :

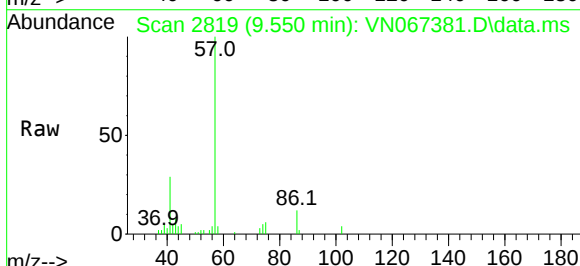


Tgt Ion: 63 Resp: 3616
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

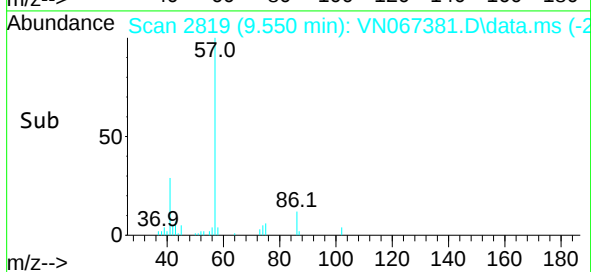
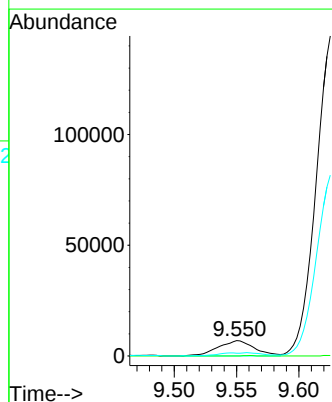


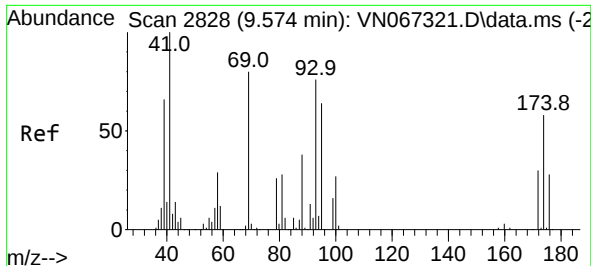
#48

Methyl methacrylate
Concen: 2.273 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02



Tgt Ion: 41 Resp: 14096
Ion Ratio Lower Upper
41 100
69 0.8 64.6 96.8#
39 0.0 53.3 79.9#

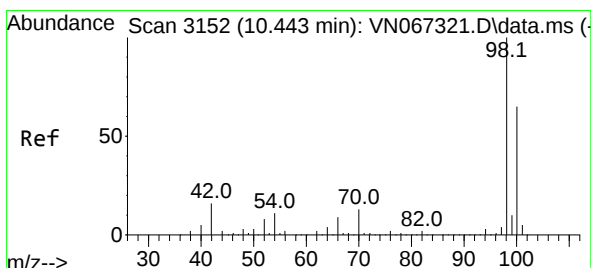
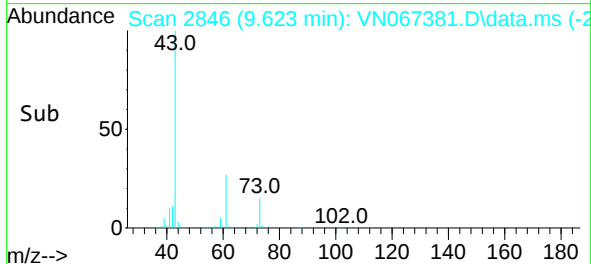
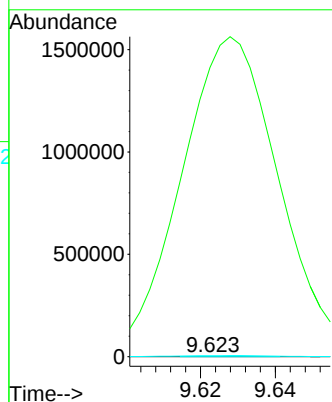
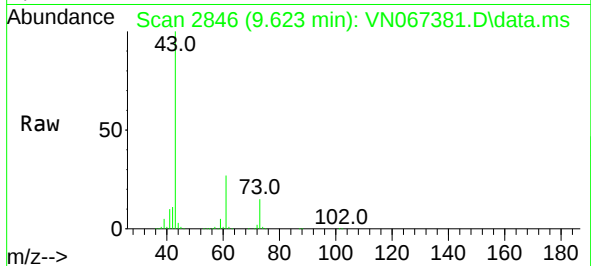




#49
1,4-Dioxane
Concen: 2.816 ug/l
RT: 9.623 min Scan# 2846
Delta R.T. 0.049 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

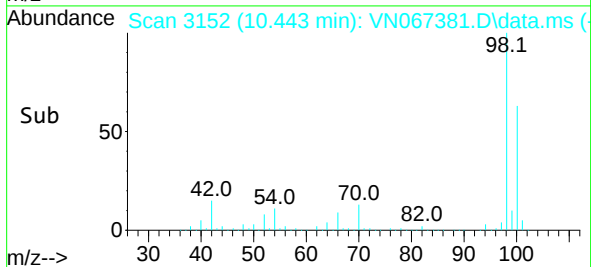
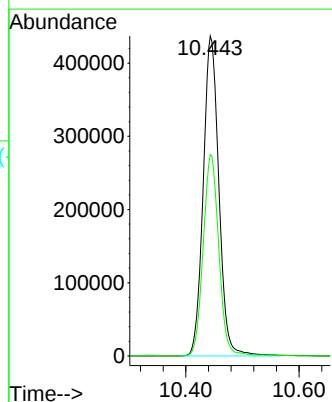
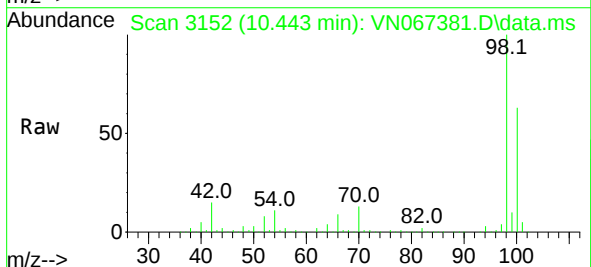
Instrument :
MSVOA_N
ClientSampled :

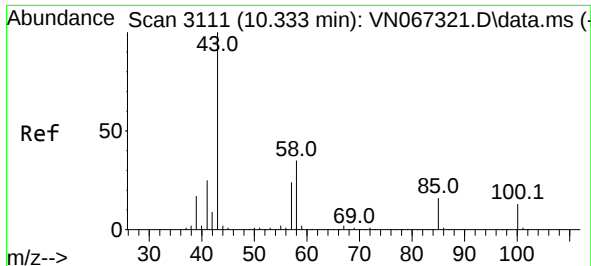
Tgt Ion: 88 Resp: 239
Ion Ratio Lower Upper
88 100
43 1231889.5 28.8 43.2#
58 4302.9 60.4 90.6#



#50
Toluene-d8
Concen: 51.604 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Tgt Ion: 98 Resp: 839088
Ion Ratio Lower Upper
98 100
100 62.5 51.7 77.5

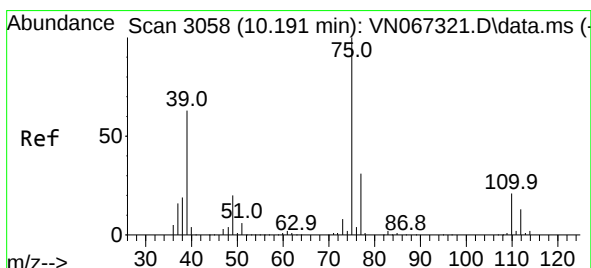
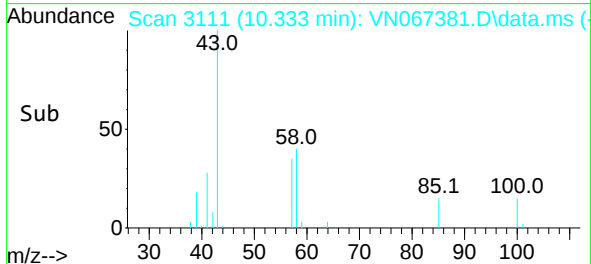
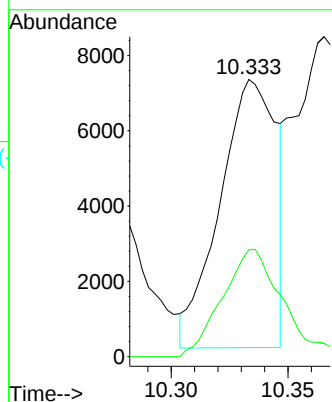
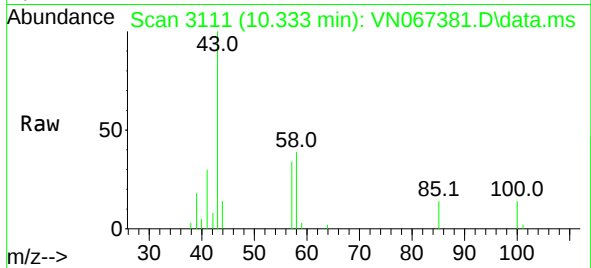




#51
4-Methyl-2-Pentanone
Concen: 1.520 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

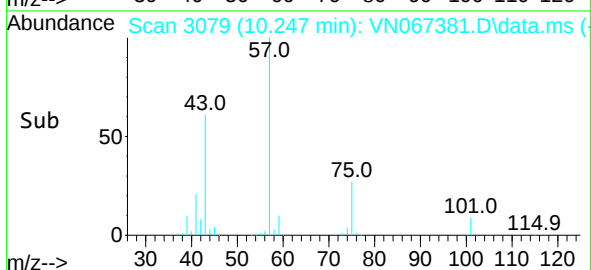
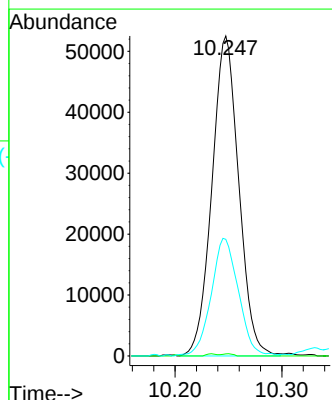
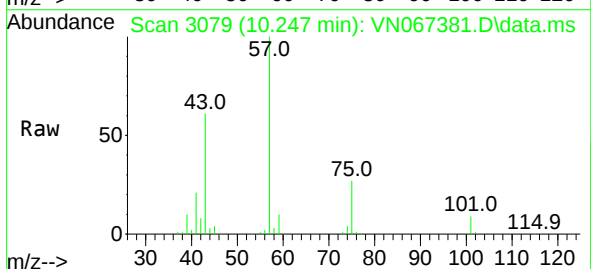
Instrument :
MSVOA_N
ClientSampled :

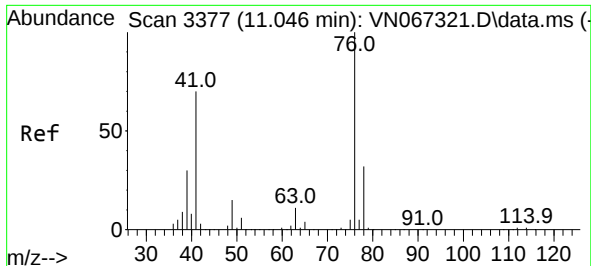
Tgt Ion: 43 Resp: 11904
Ion Ratio Lower Upper
43 100
58 43.1 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 10.072 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Tgt Ion: 75 Resp: 91573
Ion Ratio Lower Upper
75 100
77 0.7 24.6 37.0#
39 36.0 50.7 76.1#

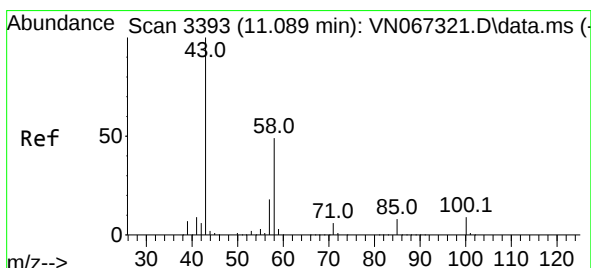
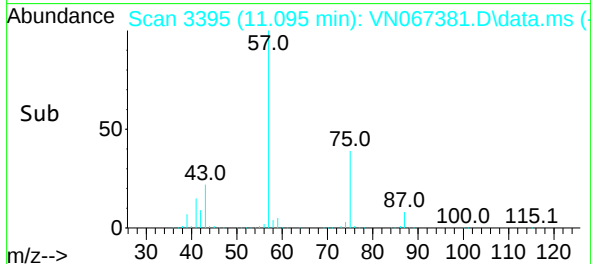
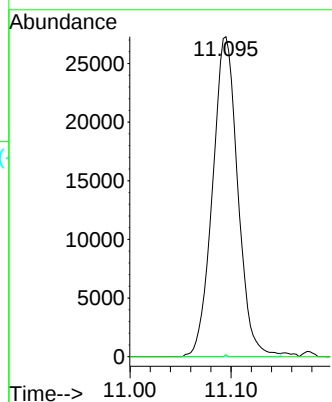
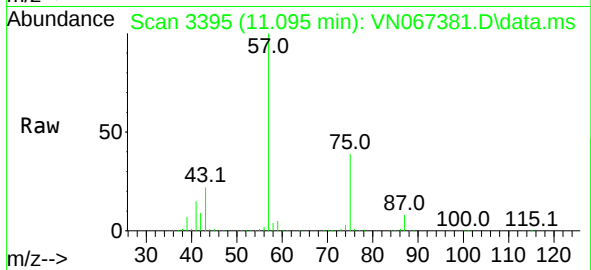




#57
1,3-Dichloropropane
Concen: 5.335 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

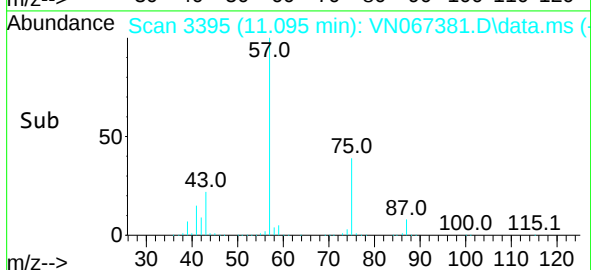
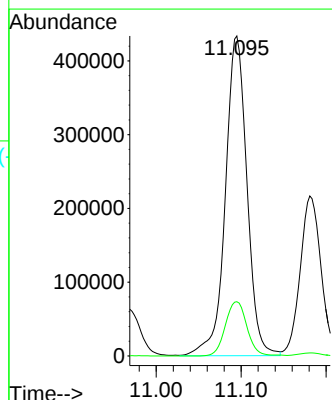
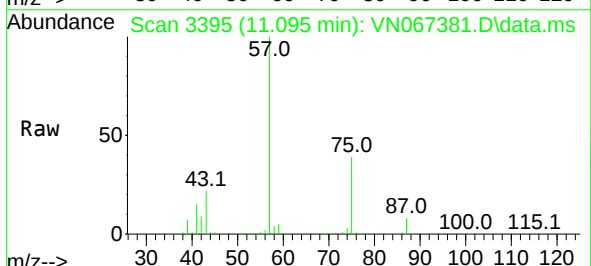
Instrument :
MSVOA_N
ClientSampled :

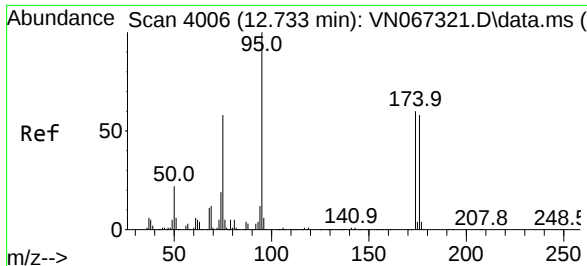
Tgt Ion: 76 Resp: 47292
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#



#59
2-Hexanone
Concen: 133.716 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Tgt Ion: 43 Resp: 766979
Ion Ratio Lower Upper
43 100
58 17.1 24.7 74.1#

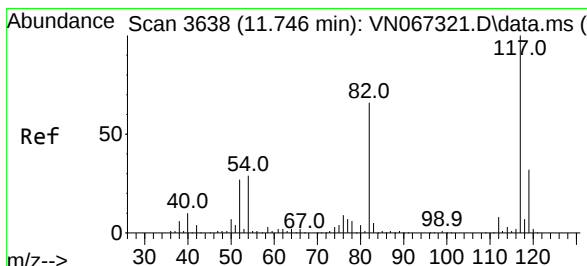
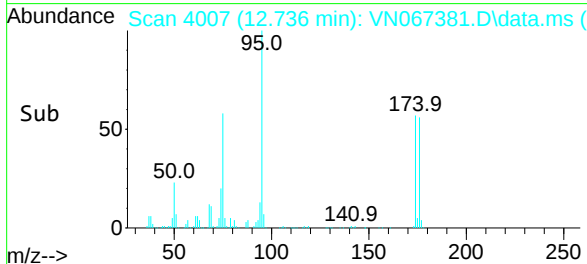
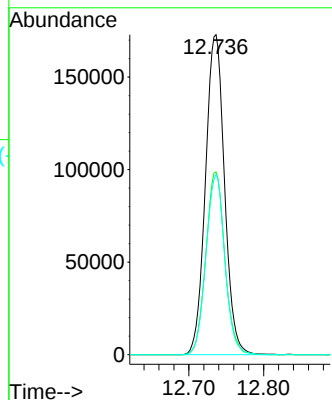
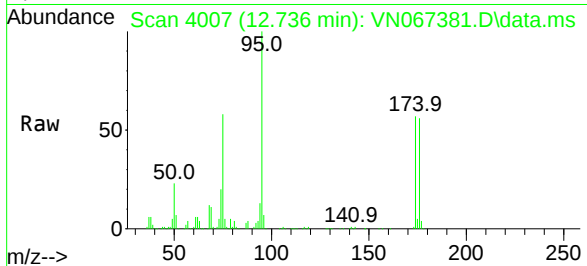




#62
4-Bromofluorobenzene
Concen: 45.727 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

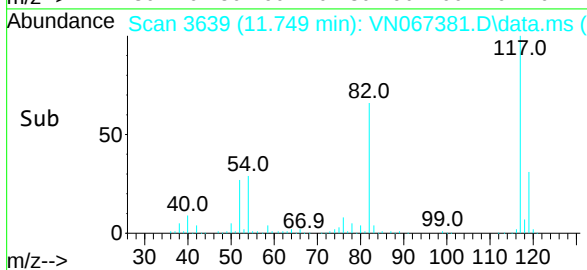
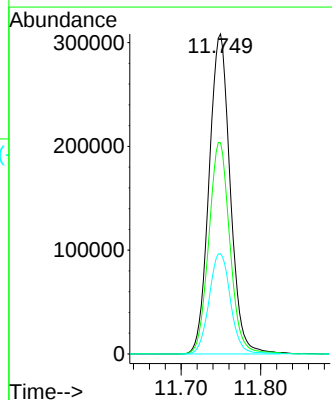
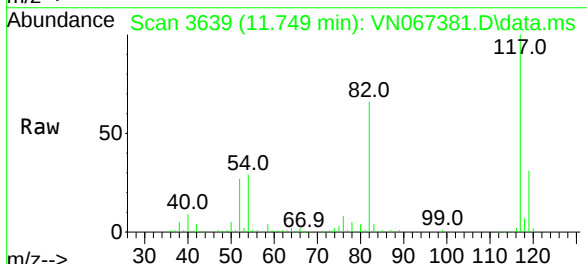
Instrument :
MSVOA_N
ClientSampled :

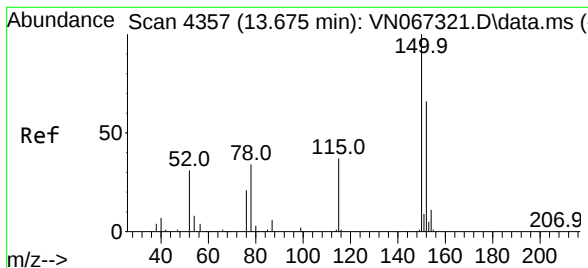
Tgt Ion: 95 Resp: 306847
Ion Ratio Lower Upper
95 100
174 56.9 0.0 122.0
176 55.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Tgt Ion: 117 Resp: 569484
Ion Ratio Lower Upper
117 100
82 66.0 53.1 79.7
119 31.3 25.5 38.3

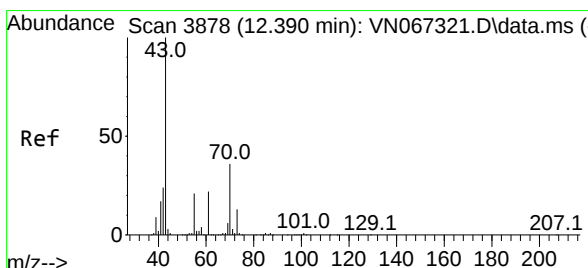
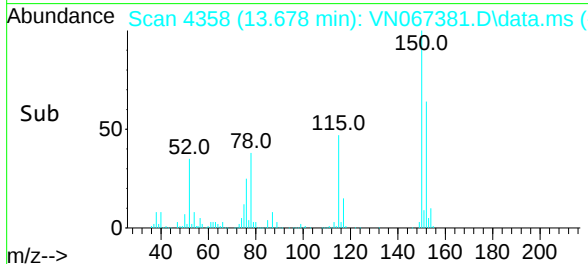
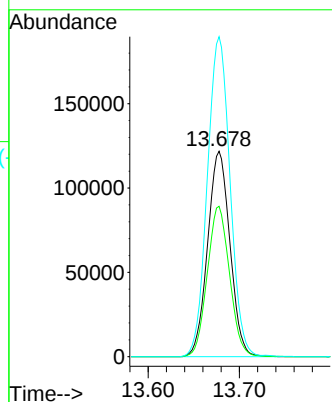
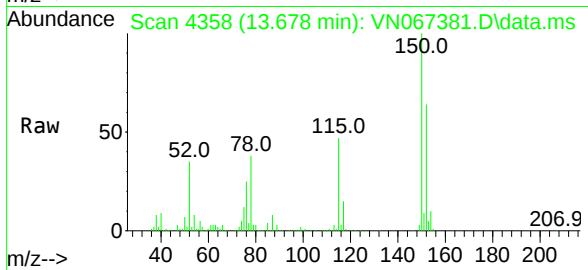




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

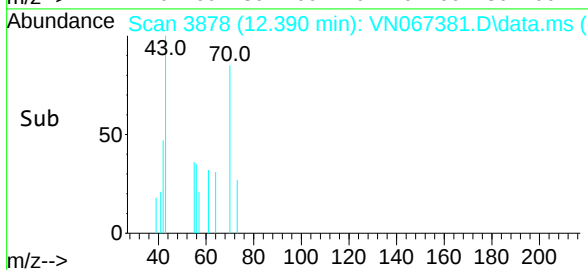
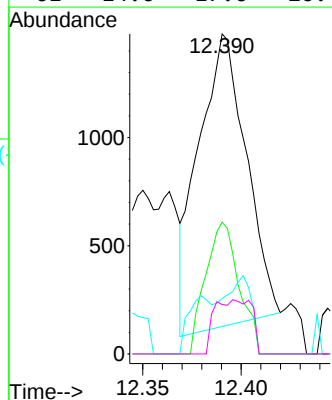
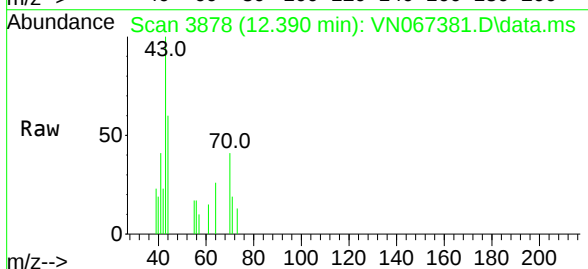
Instrument :
MSVOA_N
ClientSampleId :

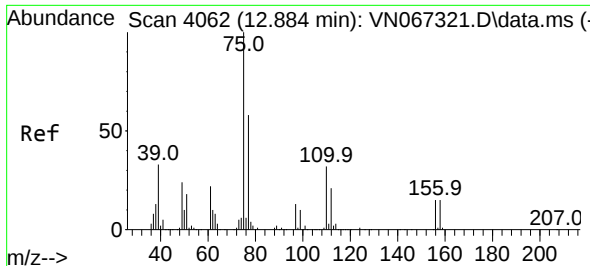
Tgt Ion:152 Resp: 207195
Ion Ratio Lower Upper
152 100
115 73.0 36.1 108.5
150 158.5 0.0 351.8



#74
N-ethyl acetate
Concen: 0.234 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.000 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Tgt Ion: 43 Resp: 2274
Ion Ratio Lower Upper
43 100
70 31.6 29.4 44.2
55 10.6 17.0 25.4#
61 14.6 17.6 26.4#

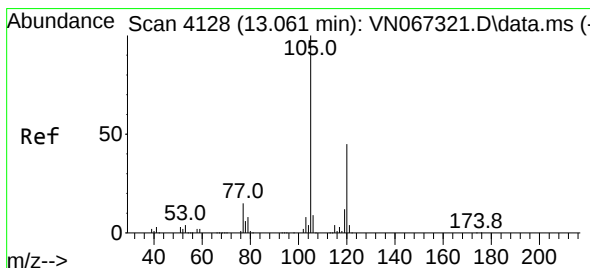
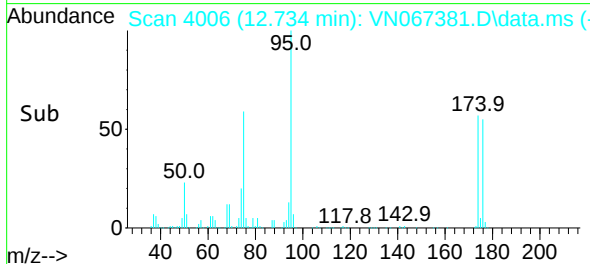
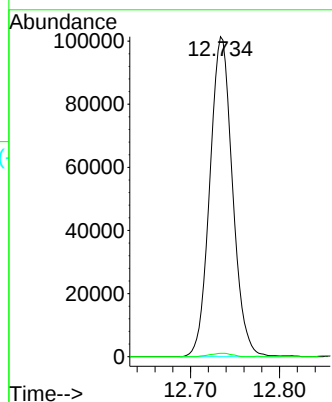
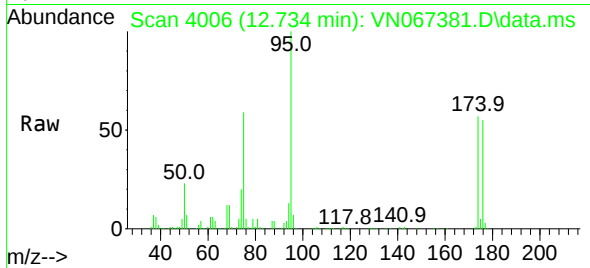




#76
1,2,3-Trichloropropane
Concen: 33.375 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

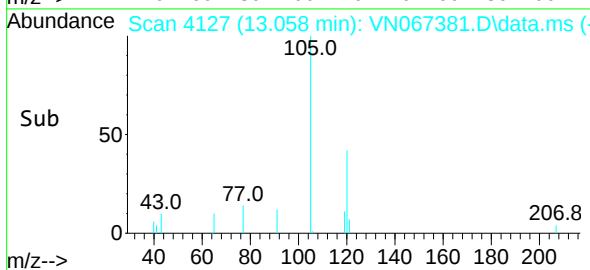
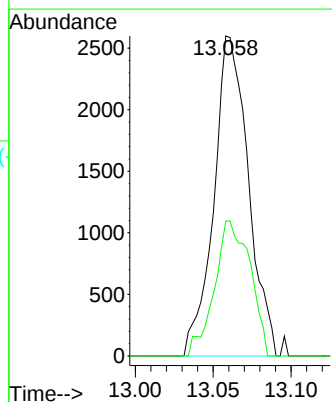
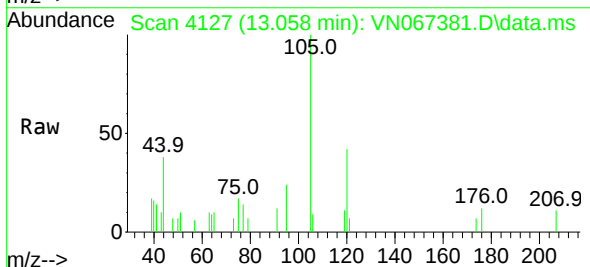
Instrument :
MSVOA_N
ClientSampled :

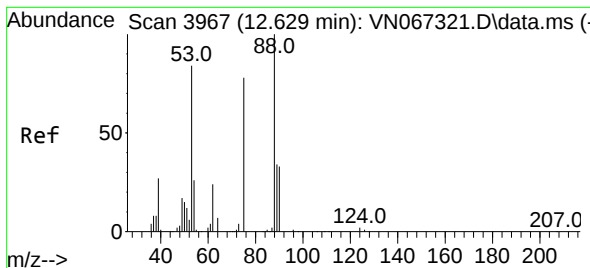
Tgt Ion: 75 Resp: 179573
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.239 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

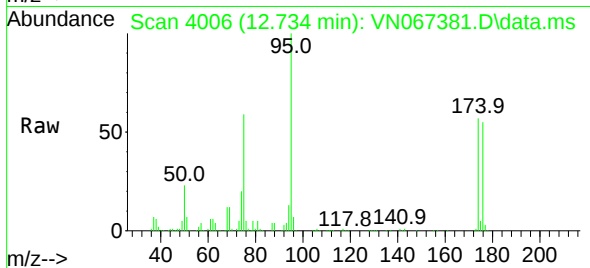
Tgt Ion: 105 Resp: 4003
Ion Ratio Lower Upper
105 100
120 43.6 22.2 66.6



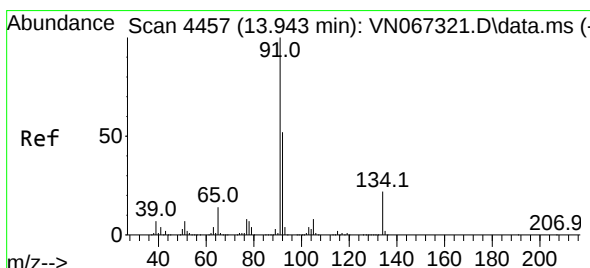
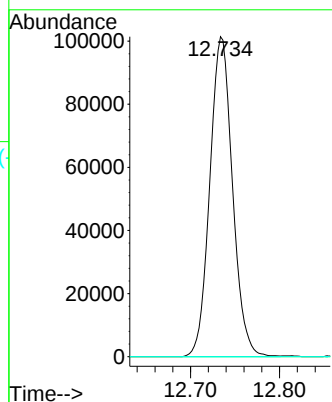
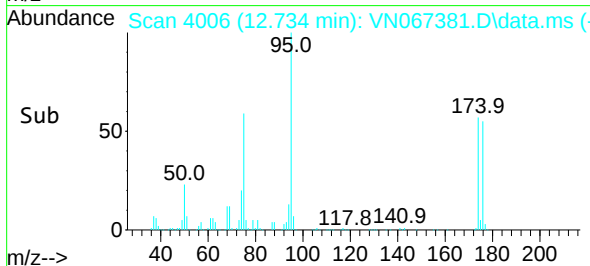


#81
trans-1,4-Dichloro-2-butene
Concen: 82.713 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

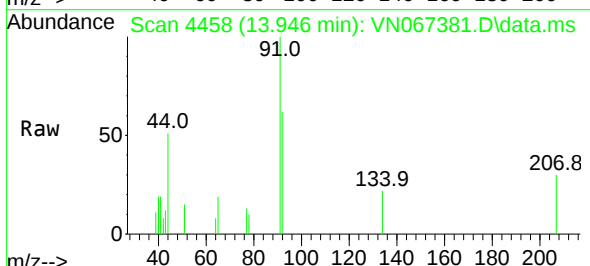
Instrument :
MSVOA_N
ClientSampled :



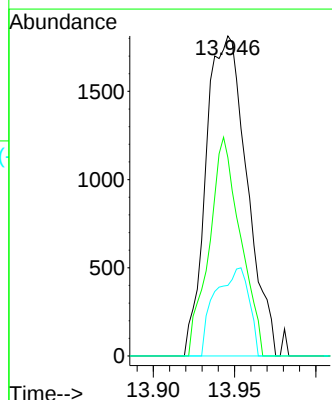
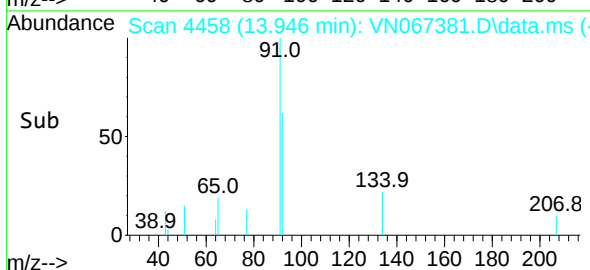
Tgt Ion: 75 Resp: 179573
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

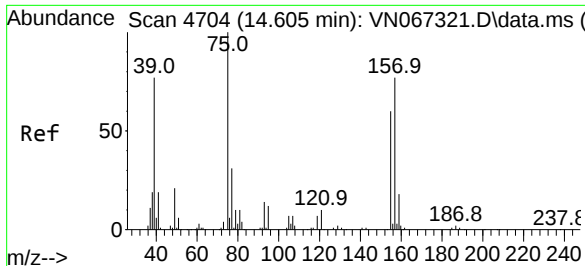


#89
n-Butylbenzene
Concen: 0.221 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02



Tgt Ion: 91 Resp: 3164
Ion Ratio Lower Upper
91 100
92 52.4 25.7 77.1
134 22.7 11.2 33.6

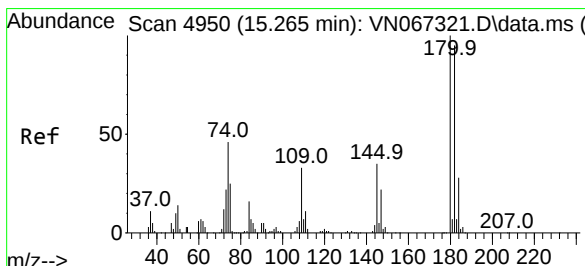
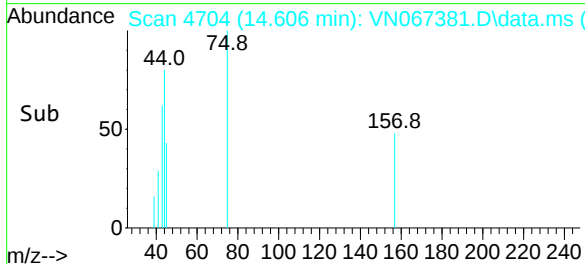
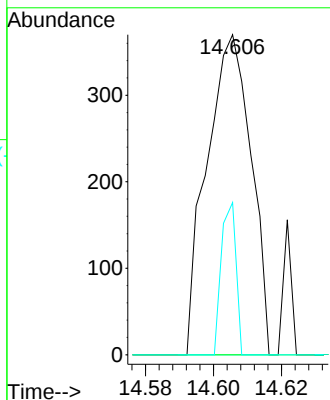
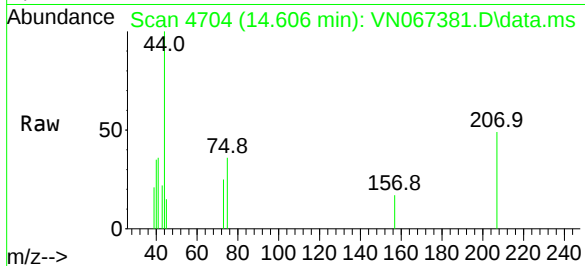




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.225 ug/l
RT: 14.606 min Scan# 4704
Delta R.T. 0.001 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

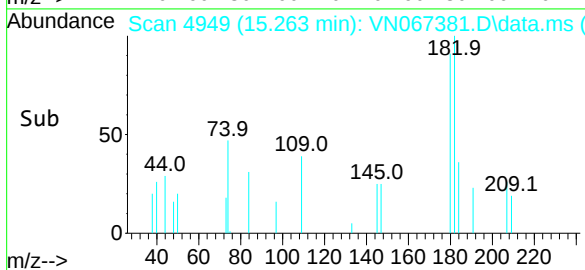
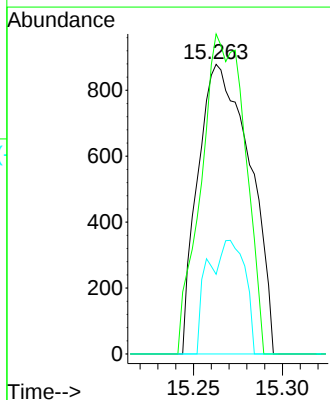
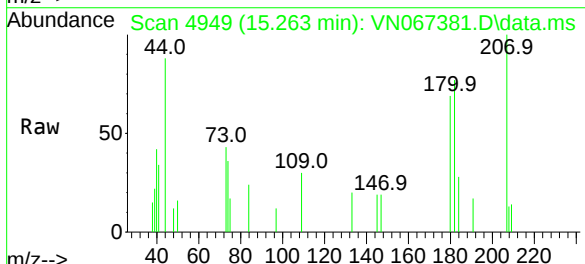
Instrument :
MSVOA_N
ClientSampled :

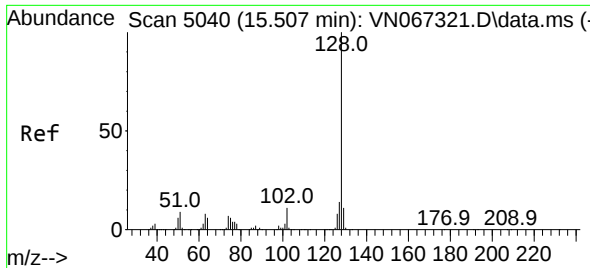
Tgt Ion: 75 Resp: 334
Ion Ratio Lower Upper
75 100
155 0.0 29.8 89.5#
157 15.9 37.6 112.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.491 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Tgt Ion: 180 Resp: 1777
Ion Ratio Lower Upper
180 100
182 93.8 47.5 142.5
145 28.0 17.2 51.6

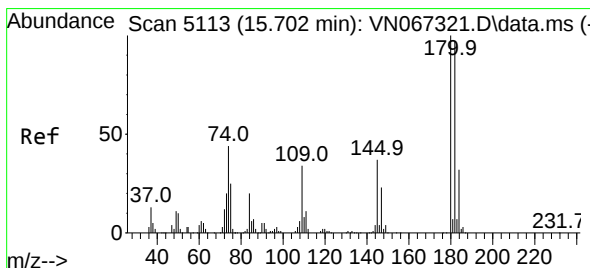
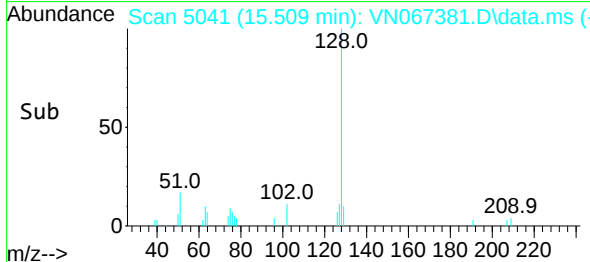
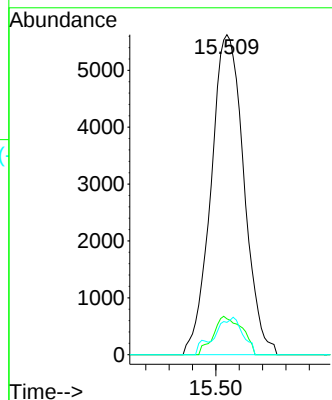
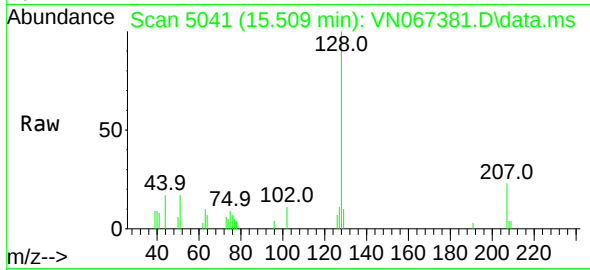




#95
Naphthalene
Concen: 3.436 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128	Resp:	10998
Ion Ratio	Lower	Upper
128	100	
127	10.5	10.6 15.8#
129	8.8	8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.546 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN067381.D
Acq: 17 Jun 2021 17:02

Tgt Ion:180	Resp:	1897
Ion Ratio	Lower	Upper
180	100	
182	124.4	47.8 143.3
145	2.9	18.2 54.6#

