

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062121\
 Data File : VN067408.D
 Acq On : 21 Jun 2021 11:26
 Operator : JC/MD
 Sample : VN0621WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBL01

Quant Time: Jun 22 03:09:24 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)

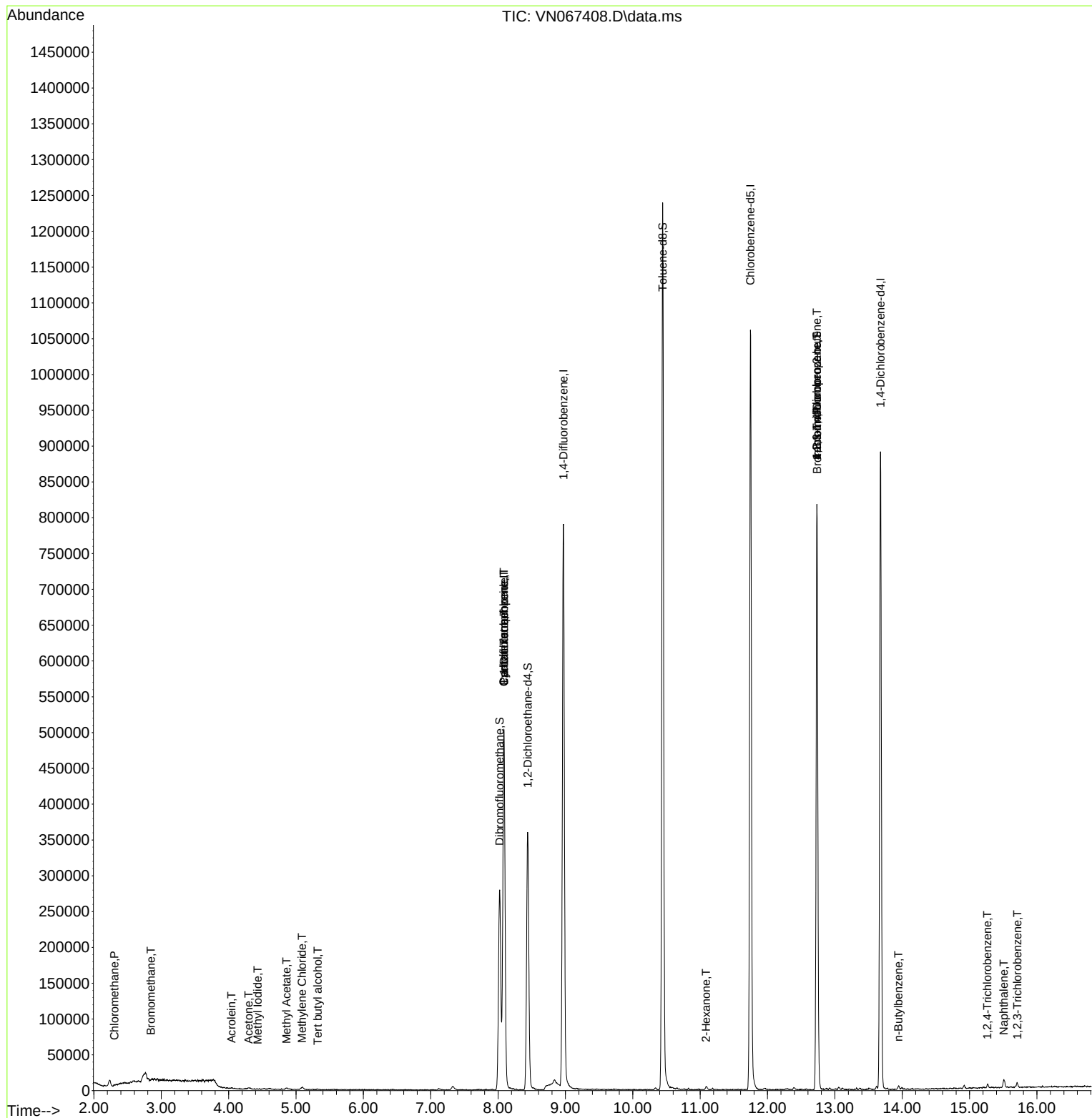
Internal Standards						
1) Pentafluorobenzene	8.086	168	319609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	634395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	564592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	204135	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	311886	49.47	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.94%		
35) Dibromofluoromethane	8.024	113	202632	48.03	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.06%		
50) Toluene-d8	10.443	98	829853	51.32	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.64%		
62) 4-Bromofluorobenzene	12.734	95	295411	44.26	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.52%		
Target Compounds						Qvalue
3) Chloromethane	2.303	50	1035	0.21	ug/l #	85
5) Bromomethane	2.845	94	772	0.38	ug/l #	22
10) Methyl Iodide	4.430	142	457	6.84	ug/l #	33
11) Tert butyl alcohol	5.323	59	262	0.25	ug/l #	71
13) Acrolein	4.041	56	272	0.42	ug/l #	75
16) Acetone	4.296	43	1417	0.59	ug/l #	80
18) Methyl Acetate	4.857	43	1321	0.23	ug/l	94
20) Methylene Chloride	5.090	84	2471	0.49	ug/l #	81
31) Cyclohexane	8.088	56	11766	1.37	ug/l #	23
36) 1,1-Dichloropropene	8.086	75	37838	5.32	ug/l #	51
38) Carbon Tetrachloride	8.088	117	39883	5.22	ug/l #	16
59) 2-Hexanone	11.087	43	4116	0.72	ug/l	85
71) Bromoform	12.736	173	1042	0.30	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	174414	32.90	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	174414	81.54	ug/l #	6
89) n-Butylbenzene	13.943	91	2853	0.20	ug/l	95
93) 1,2,4-Trichlorobenzene	15.265	180	1588	0.45	ug/l	93
95) Naphthalene	15.507	128	9758	3.35	ug/l	99
96) 1,2,3-Trichlorobenzene	15.711	180	1944	0.57	ug/l	93

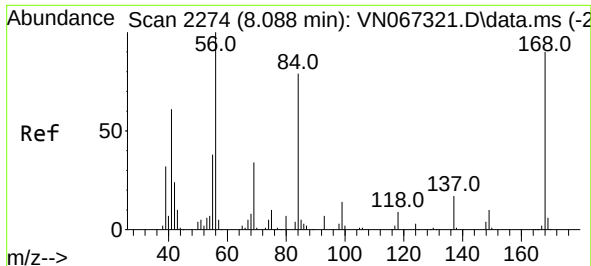
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 15 05:19:42 2021
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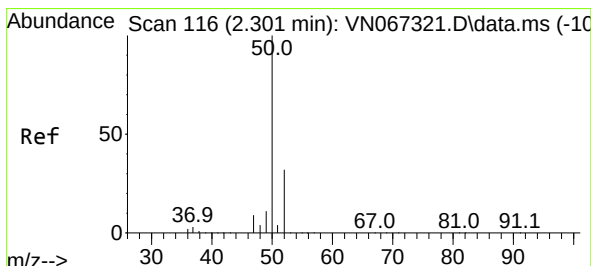
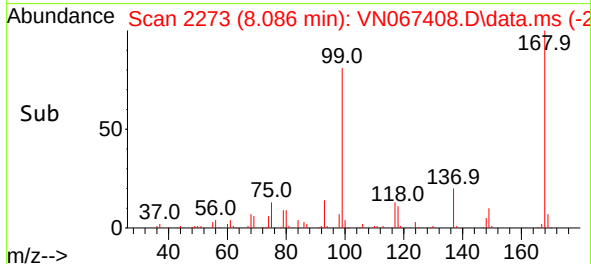
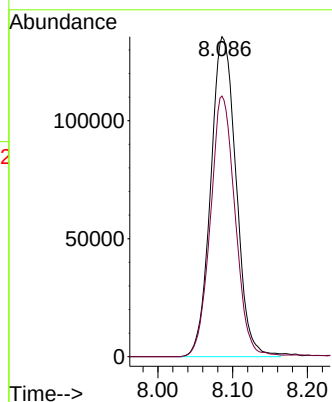
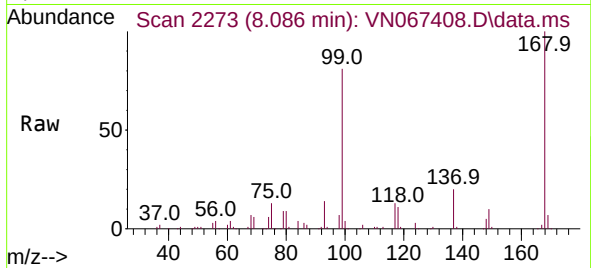




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.002 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

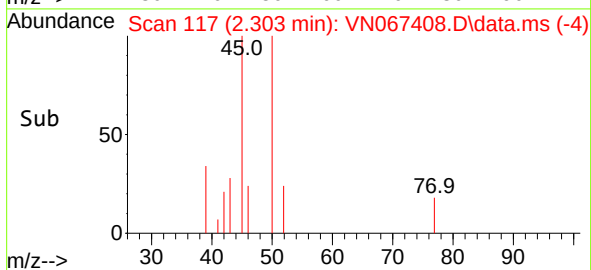
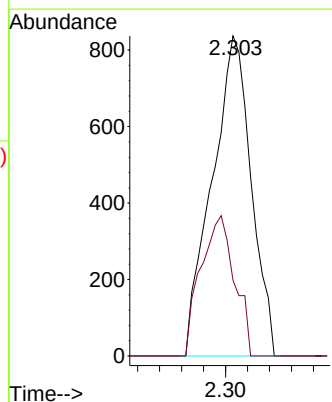
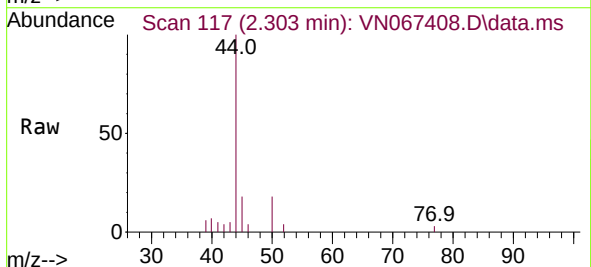
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

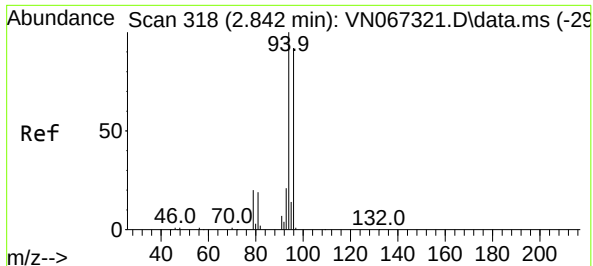
Tgt Ion:168 Resp: 319609
Ion Ratio Lower Upper
168 100
99 81.4 62.9 94.3



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

Tgt Ion: 50 Resp: 1035
Ion Ratio Lower Upper
50 100
52 23.7 25.6 38.4#

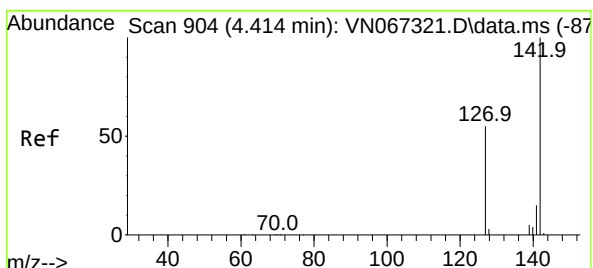
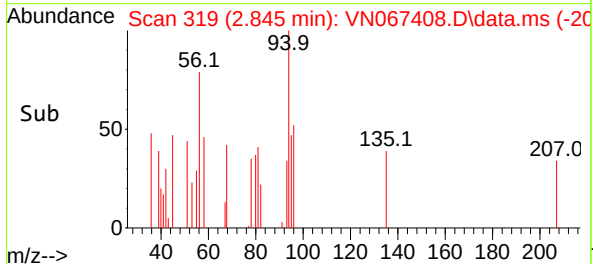
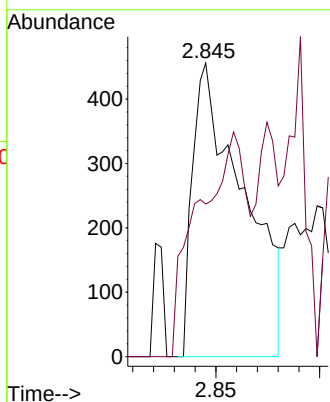
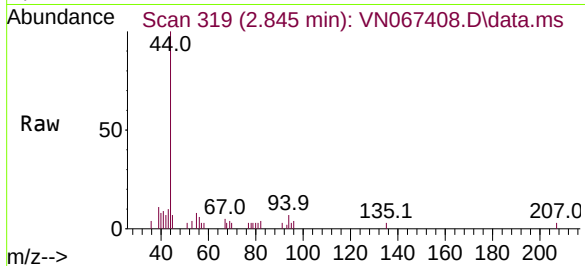




#5
Bromomethane
Concen: 0.38 ug/l
RT: 2.845 min Scan# 319
Delta R.T. 0.003 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

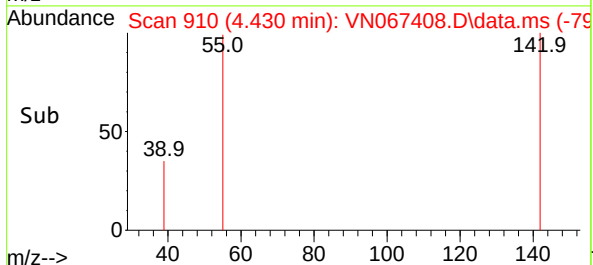
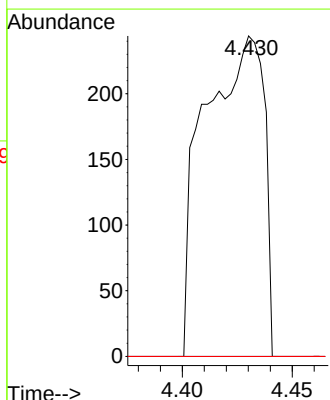
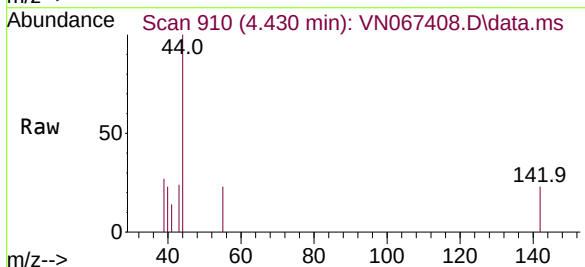
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

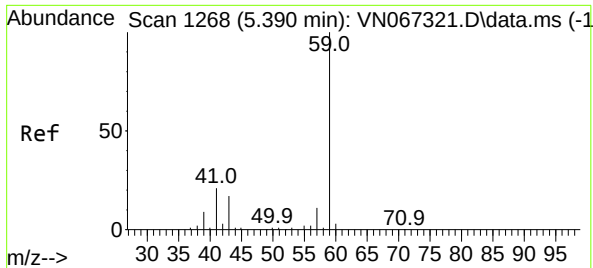
Tgt Ion: 94 Resp: 772
Ion Ratio Lower Upper
94 100
96 17.8 73.7 110.5#



#10
Methyl Iodide
Concen: 6.84 ug/l
RT: 4.430 min Scan# 910
Delta R.T. 0.016 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

Tgt Ion:142 Resp: 457
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



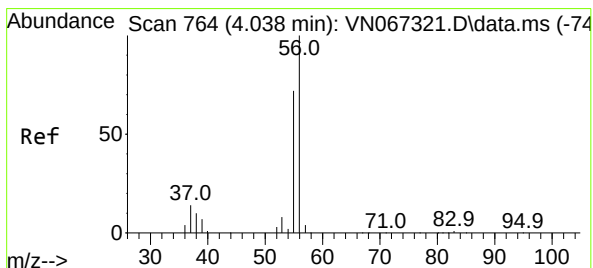
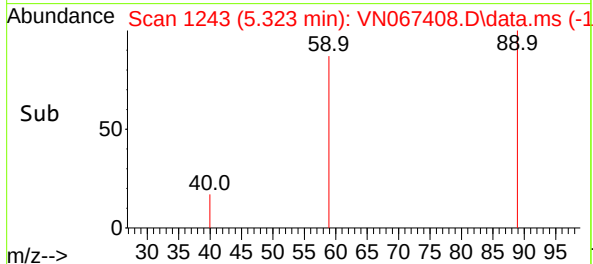
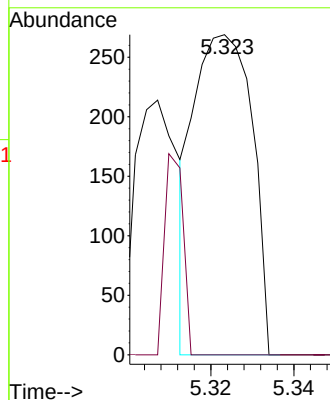
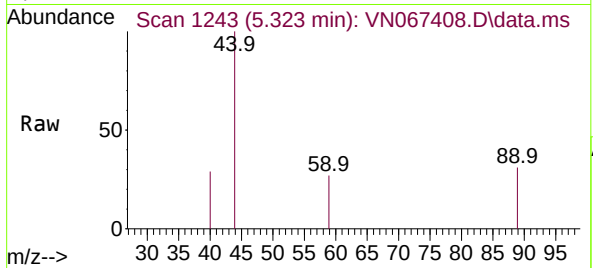


#11

Tert butyl alcohol
Concen: 0.25 ug/l
RT: 5.323 min Scan# 1243
Delta R.T. -0.067 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

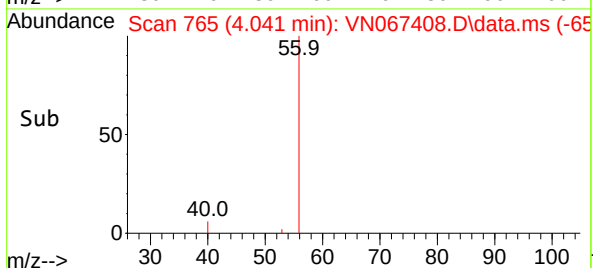
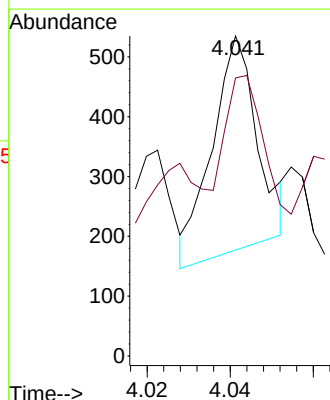
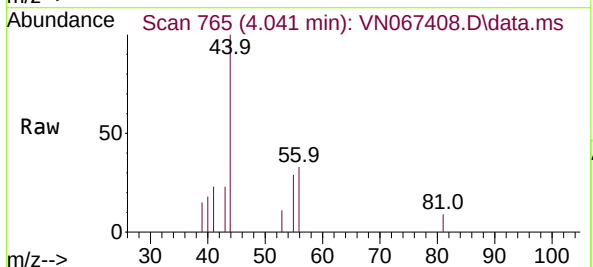
Tgt Ion: 59 Resp: 262
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

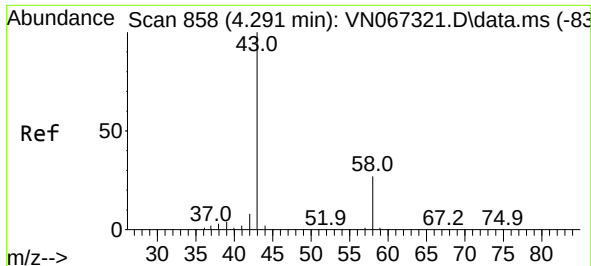


#13

Acrolein
Concen: 0.42 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

Tgt Ion: 56 Resp: 272
Ion Ratio Lower Upper
56 100
55 51.1 57.4 86.0#

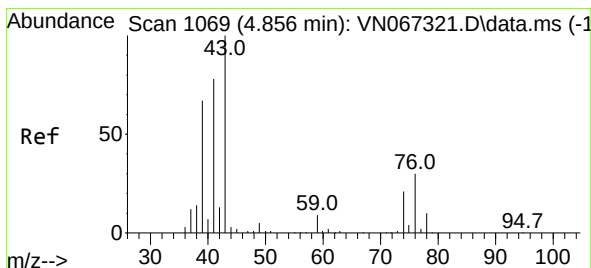
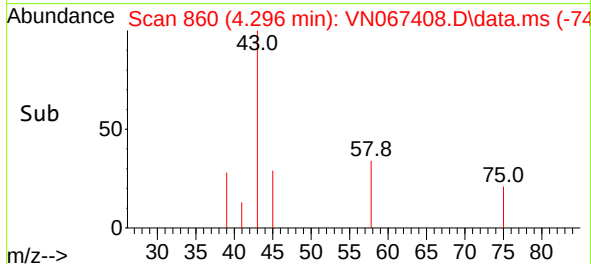
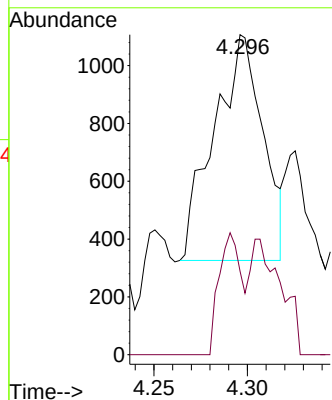
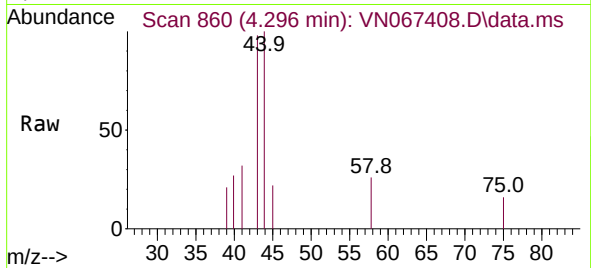




#16
Acetone
Concen: 0.59 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

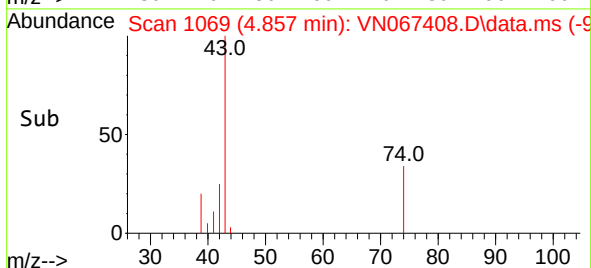
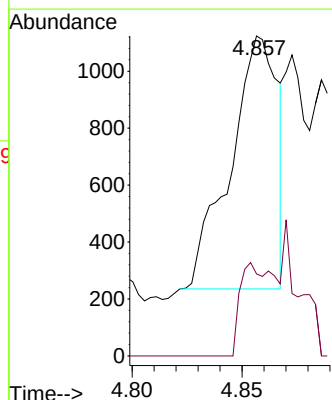
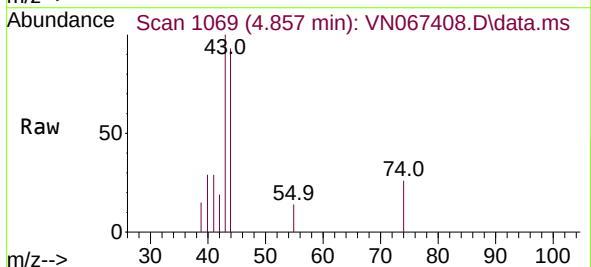
Instrument :
MSVOA_N
ClientSampled :
VN0621WBL01

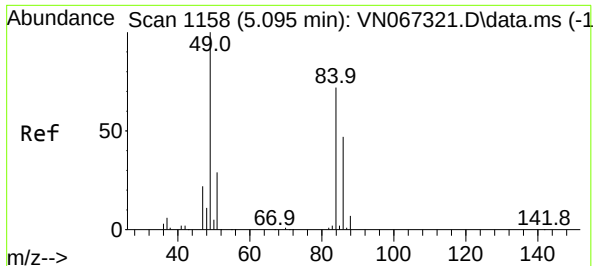
Tgt Ion: 43 Resp: 1417
Ion Ratio Lower Upper
43 100
58 37.0 21.2 31.8#



#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. 0.001 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

Tgt Ion: 43 Resp: 1321
Ion Ratio Lower Upper
43 100
74 24.4 17.4 26.0





#20

Methylene Chloride

Concen: 0.49 ug/l

RT: 5.090 min Scan# 1156

Delta R.T. -0.005 min

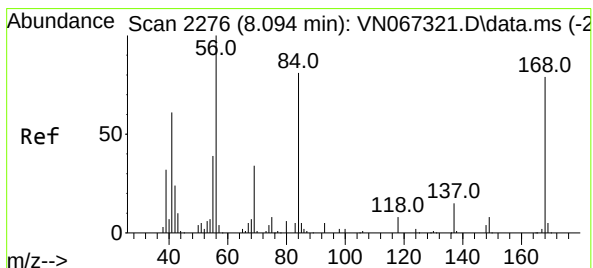
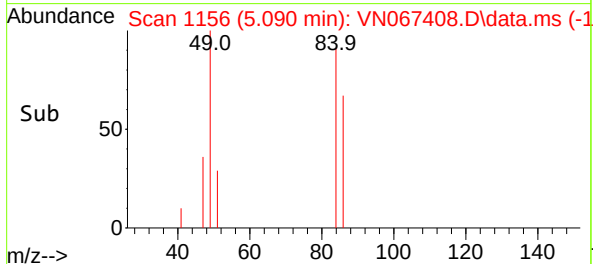
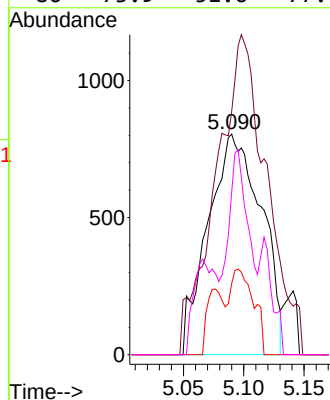
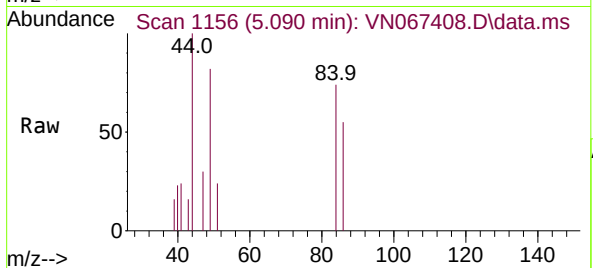
Lab File: VN067408.D

Acq: 21 Jun 2021 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

Tgt Ion: 84 Resp: 2471

Ion	Ratio	Lower	Upper
84	100		
49	110.4	110.9	166.3#
51	32.3	32.6	49.0#
86	73.9	51.6	77.4



#31

Cyclohexane

Concen: 1.37 ug/l

RT: 8.088 min Scan# 2274

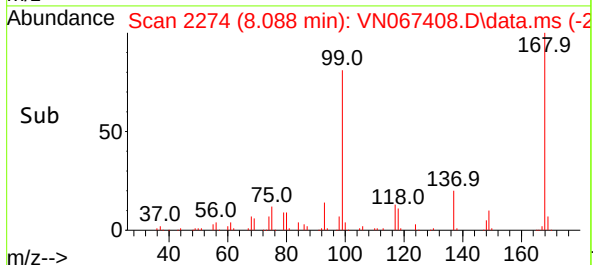
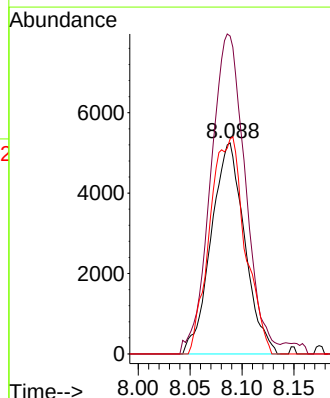
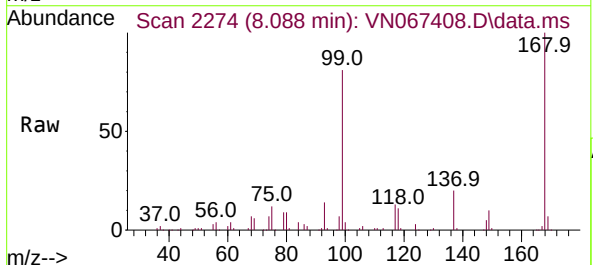
Delta R.T. -0.006 min

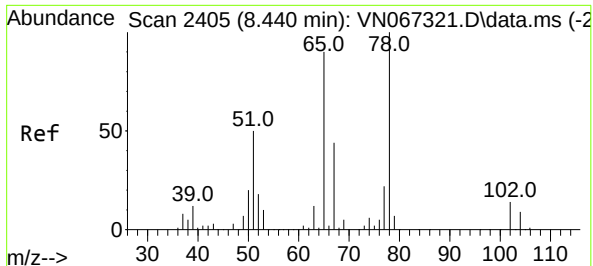
Lab File: VN067408.D

Acq: 21 Jun 2021 11:26

Tgt Ion: 56 Resp: 11766

Ion	Ratio	Lower	Upper
56	100		
69	150.6	27.3	40.9#
84	101.8	64.9	97.3#



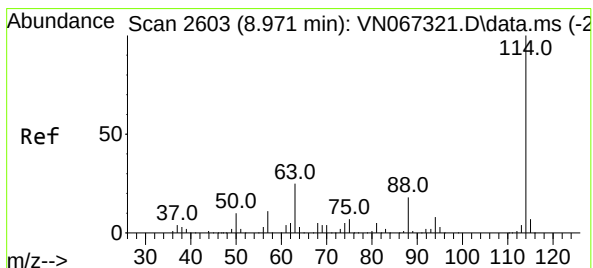
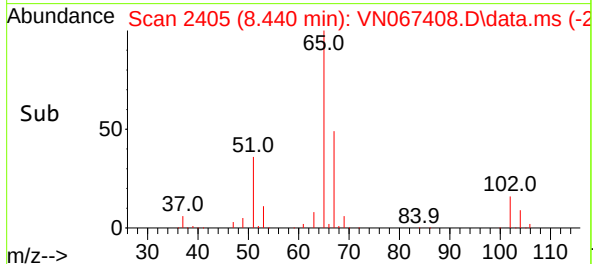
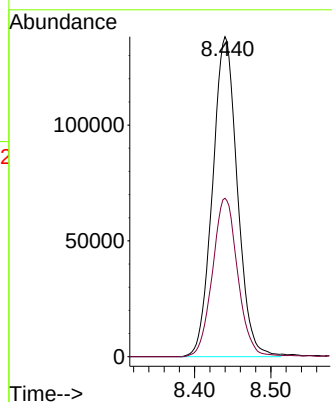
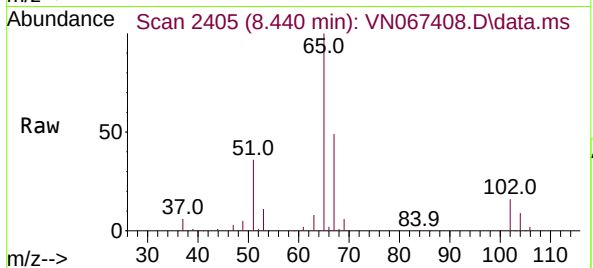


#33

1,2-Dichloroethane-d4
Concen: 49.47 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

Instrument :
MSVOA_N
ClientSampled :
VN0621WBL01

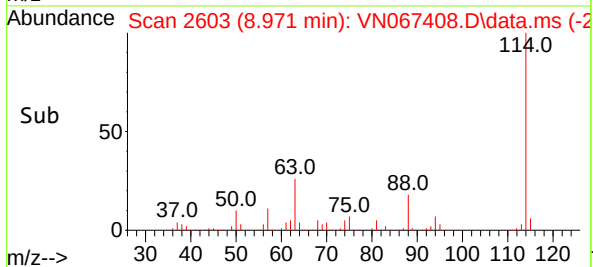
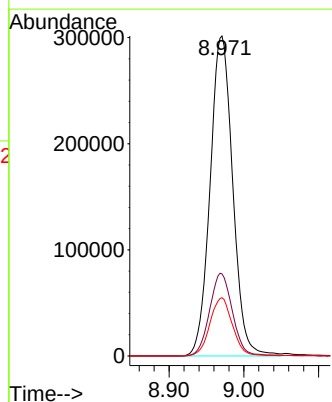
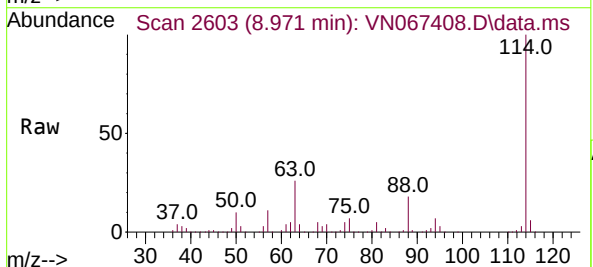
Tgt Ion: 65 Resp: 311886
Ion Ratio Lower Upper
65 100
67 50.4 0.0 98.6

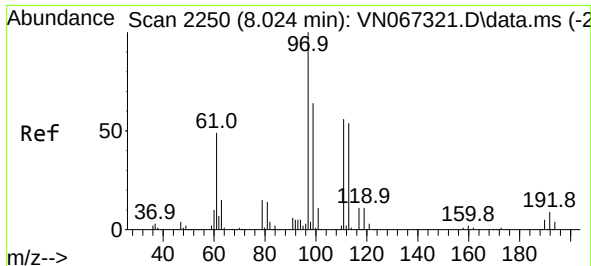


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

Tgt Ion: 114 Resp: 634395
Ion Ratio Lower Upper
114 100
63 25.6 0.0 49.0
88 18.2 0.0 36.6

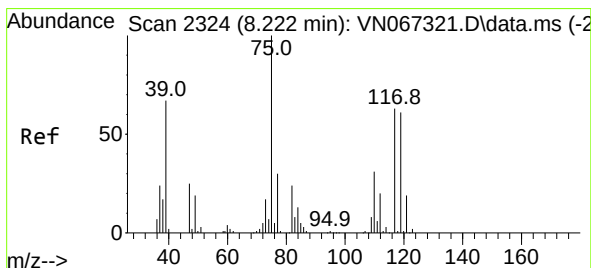
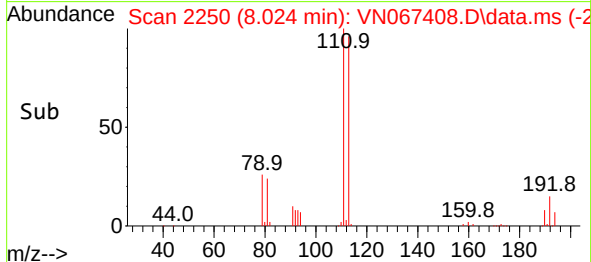
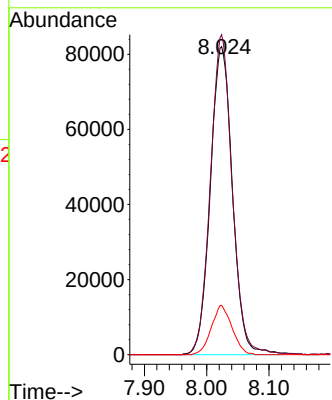
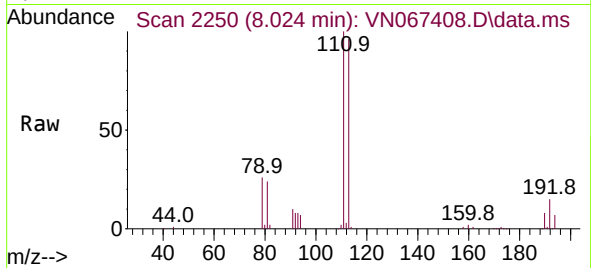




#35
Dibromofluoromethane
Concen: 48.03 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

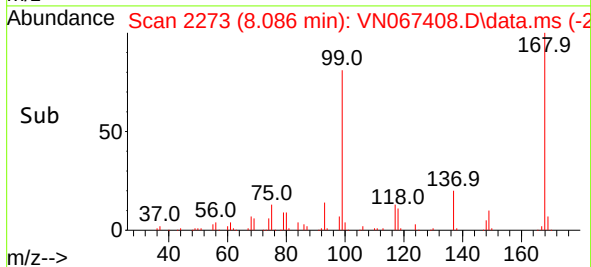
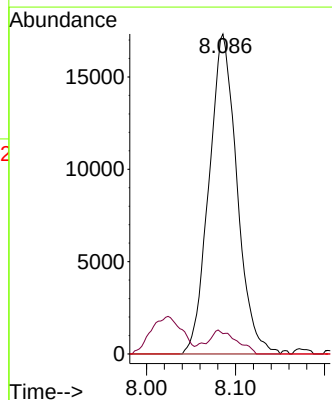
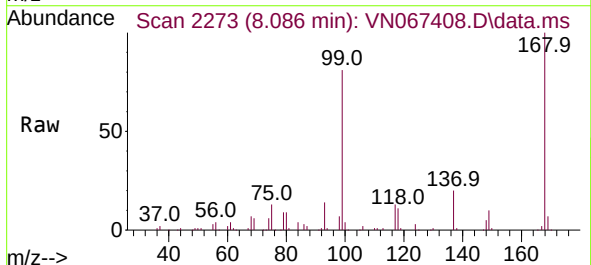
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

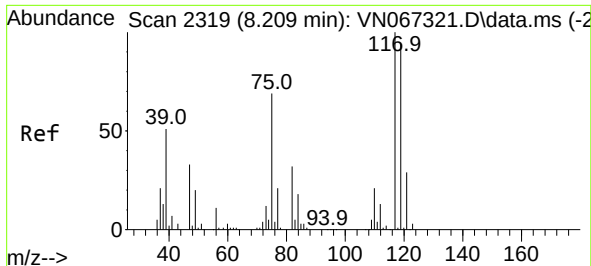
Tgt Ion:113 Resp: 202632
Ion Ratio Lower Upper
113 100
111 102.3 83.8 125.8
192 14.9 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.32 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

Tgt Ion: 75 Resp: 37838
Ion Ratio Lower Upper
75 100
110 7.7 15.7 47.0#
77 0.0 24.6 37.0#

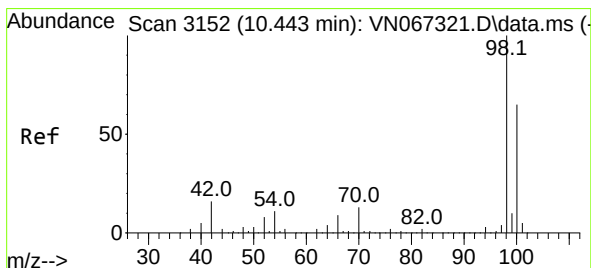
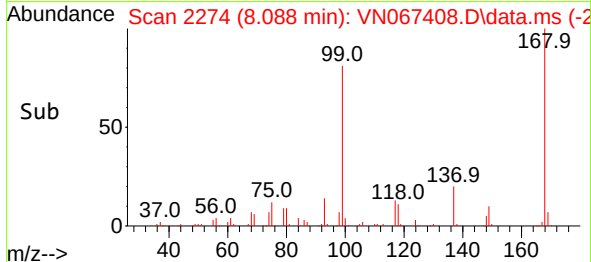
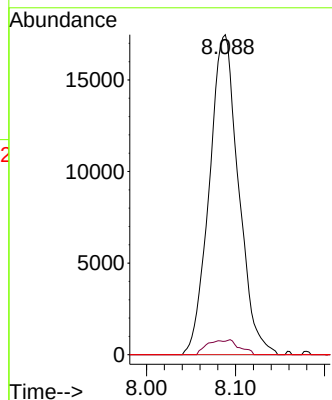
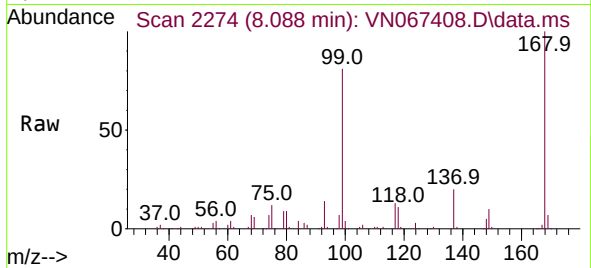




#38
Carbon Tetrachloride
Concen: 5.22 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

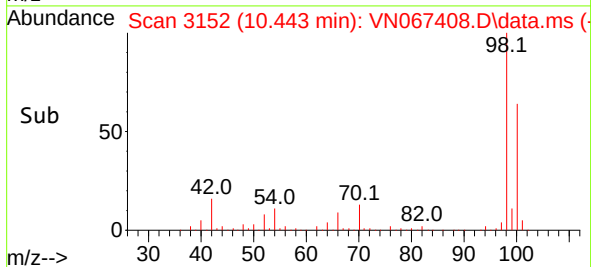
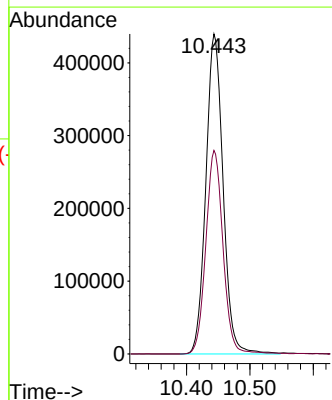
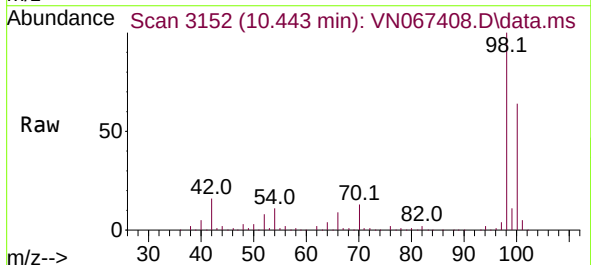
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

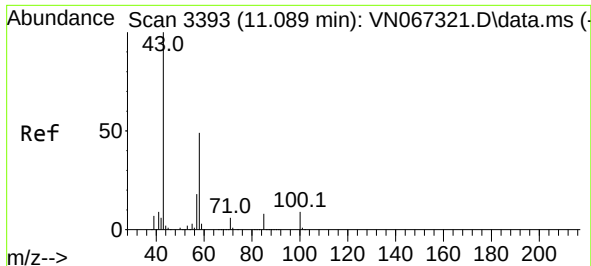
Tgt Ion:117 Resp: 39883
Ion Ratio Lower Upper
117 100
119 4.2 75.4 113.2#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 51.32 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

Tgt Ion: 98 Resp: 829853
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5

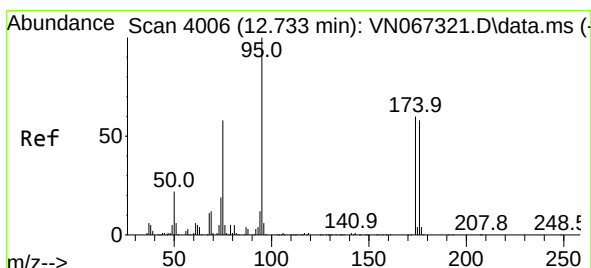
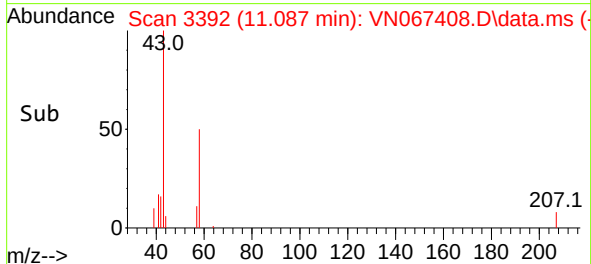
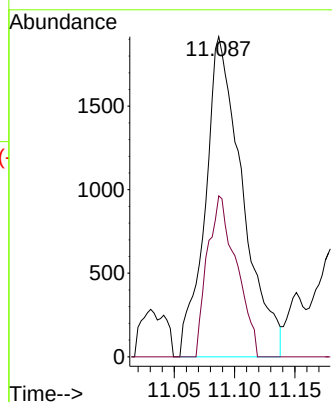
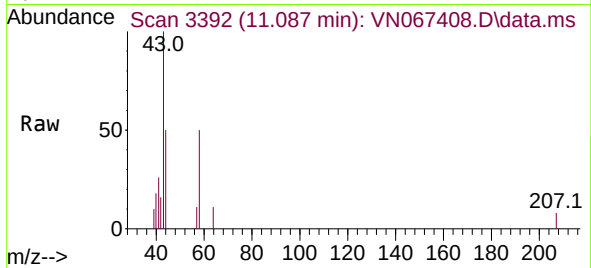




#59
2-Hexanone
Concen: 0.72 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.002 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

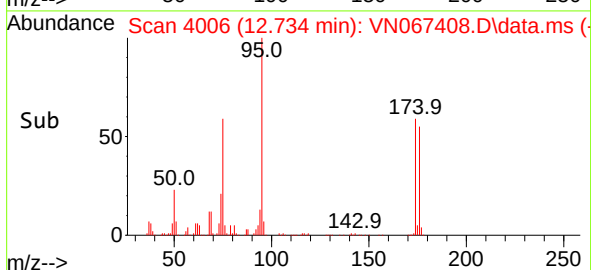
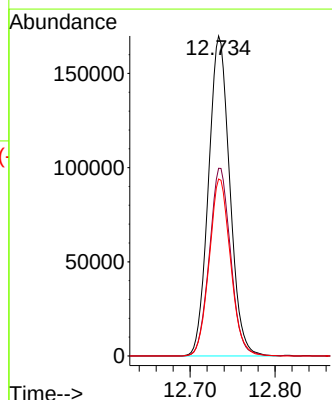
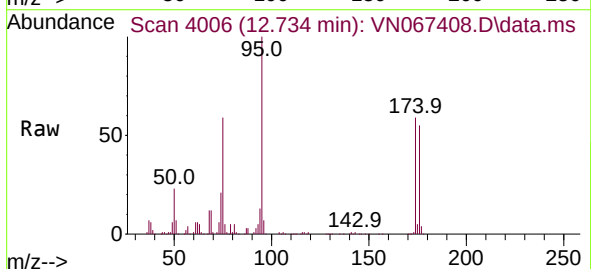
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

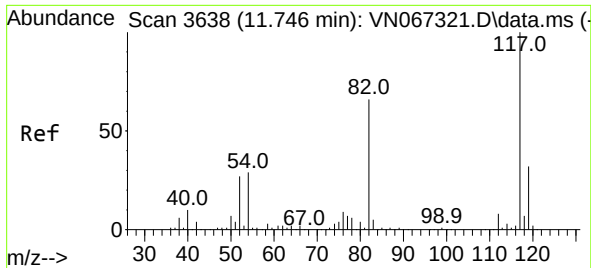
Tgt Ion: 43 Resp: 4116
Ion Ratio Lower Upper
43 100
58 39.1 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 44.26 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

Tgt Ion: 95 Resp: 295411
Ion Ratio Lower Upper
95 100
174 58.8 0.0 122.0
176 55.4 0.0 117.6

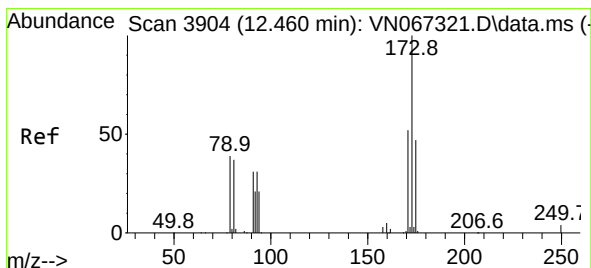
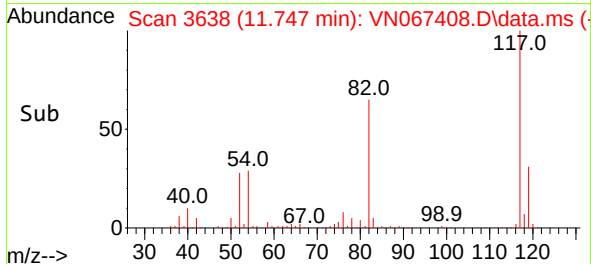
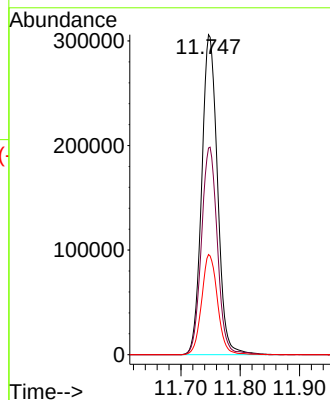
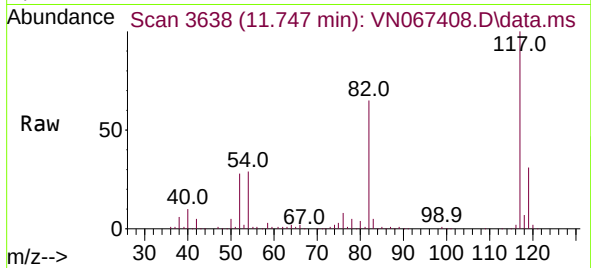




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

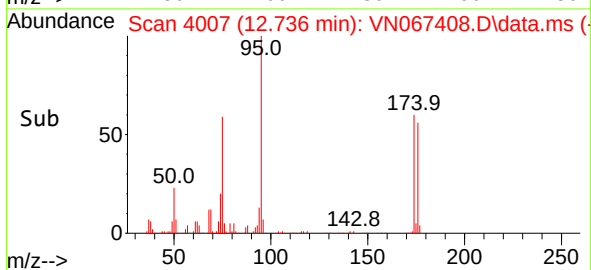
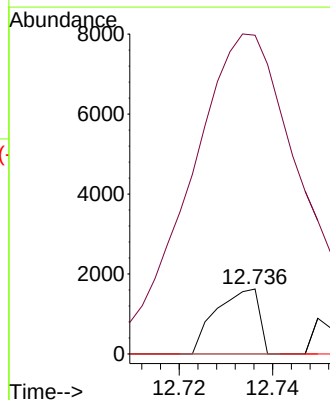
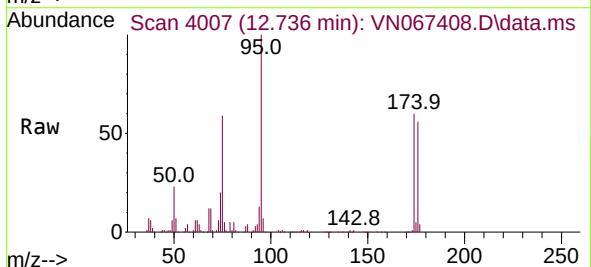
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

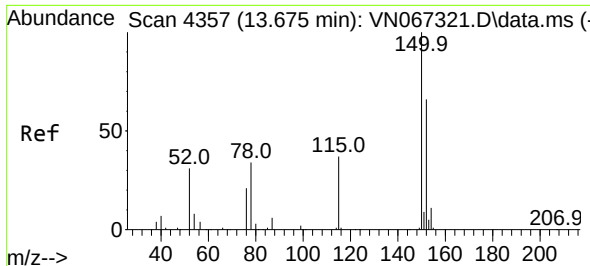
Tgt Ion:117 Resp: 564592
Ion Ratio Lower Upper
117 100
82 64.6 53.1 79.7
119 31.3 25.5 38.3



#71
Bromoform
Concen: 0.30 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

Tgt Ion:173 Resp: 1042
Ion Ratio Lower Upper
173 100
175 1189.7 23.9 71.8#
254 0.0 0.0 0.0

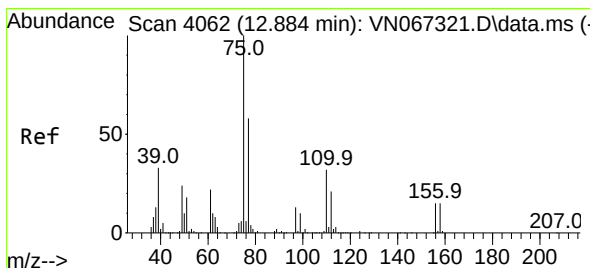
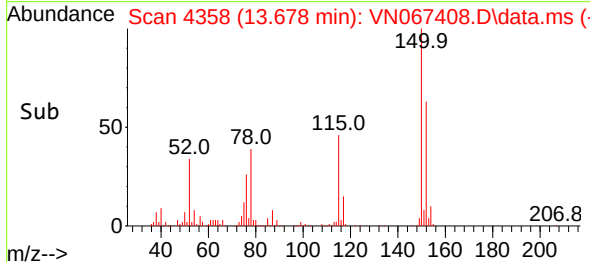
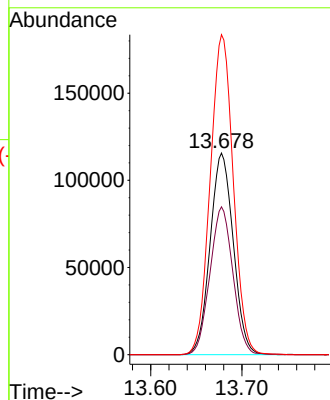
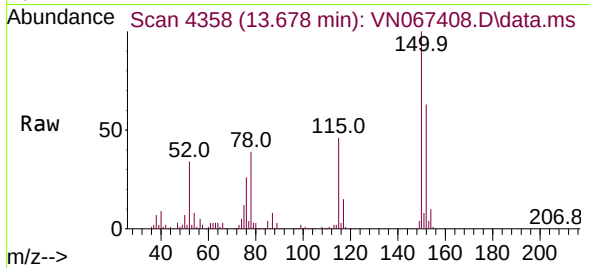




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

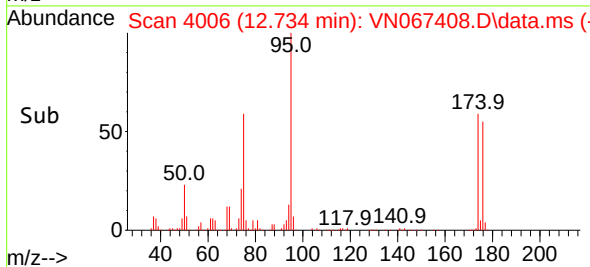
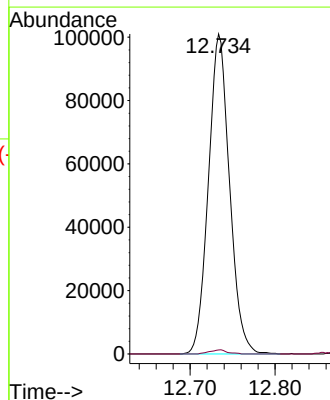
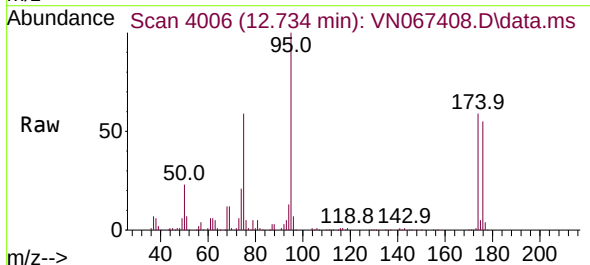
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

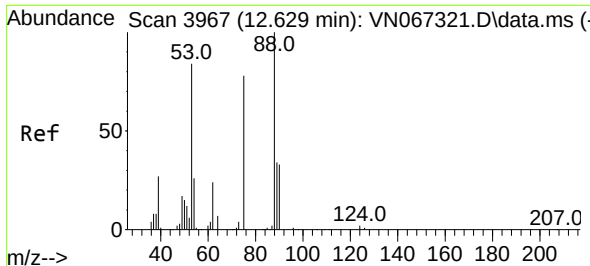
Tgt Ion:152 Resp: 204135
Ion Ratio Lower Upper
152 100
115 72.6 36.1 108.5
150 157.8 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 32.90 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

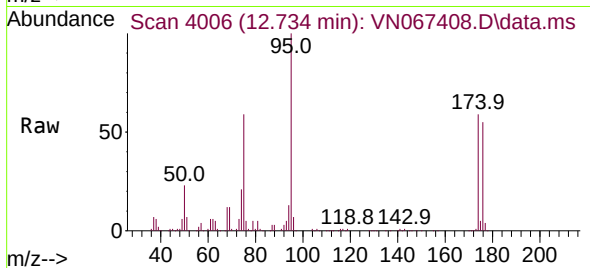
Tgt Ion: 75 Resp: 174414
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



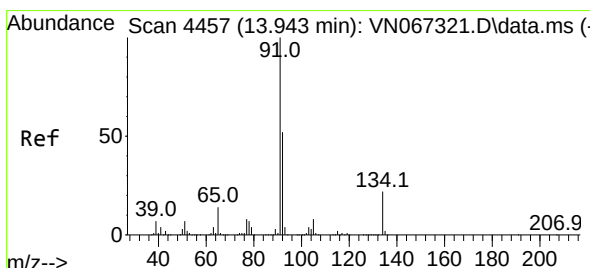
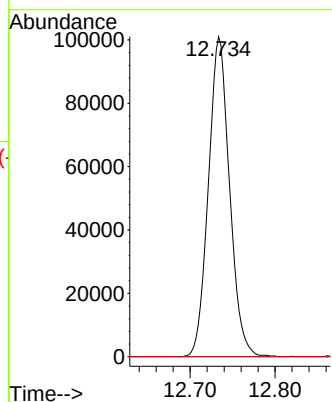
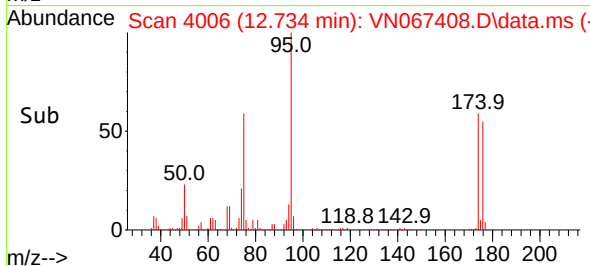


#81
trans-1,4-Dichloro-2-butene
Concen: 81.54 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26

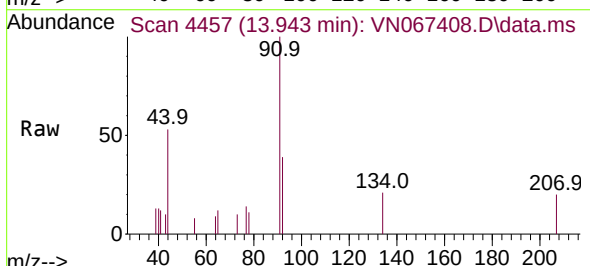
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01



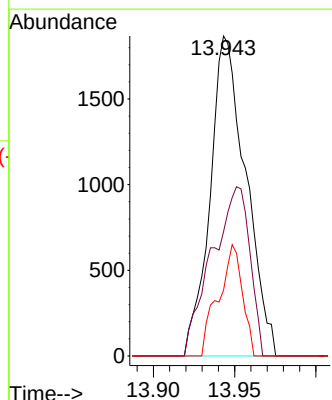
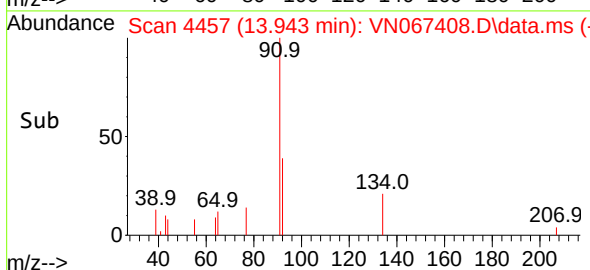
Tgt Ion: 75 Resp: 174414
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

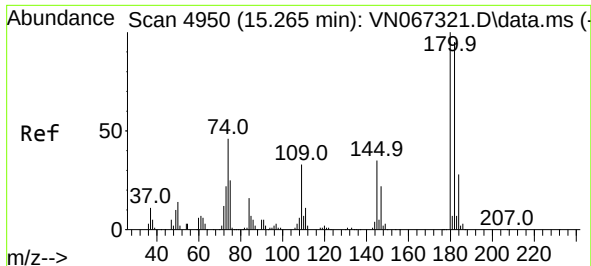


#89
n-Butylbenzene
Concen: 0.20 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN067408.D
Acq: 21 Jun 2021 11:26



Tgt Ion: 91 Resp: 2853
Ion Ratio Lower Upper
91 100
92 56.3 25.7 77.1
134 23.3 11.2 33.6





#93

1,2,4-Trichlorobenzene

Concen: 0.45 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. 0.000 min

Lab File: VN067408.D

Acq: 21 Jun 2021 11:26

Tgt Ion:180 Resp: 1588

Ion Ratio Lower Upper

180 100

182 89.2 47.5 142.5

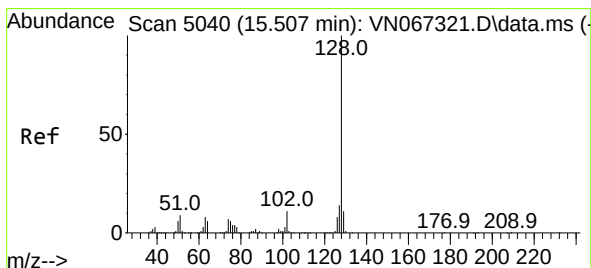
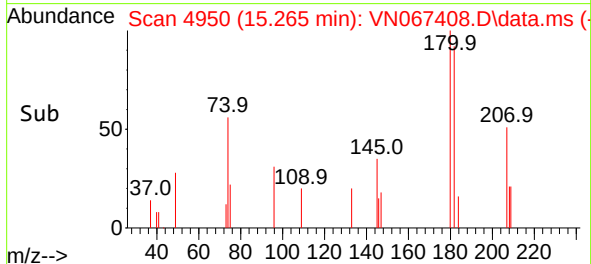
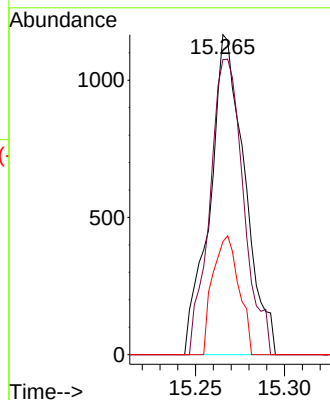
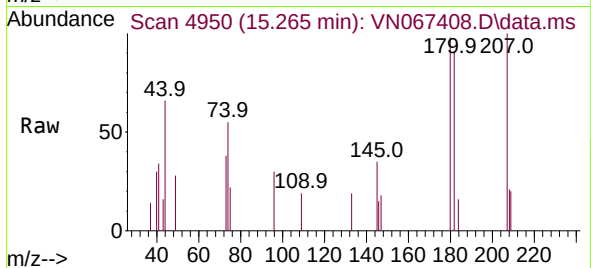
145 27.7 17.2 51.6

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBL01



#95

Naphthalene

Concen: 3.35 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN067408.D

Acq: 21 Jun 2021 11:26

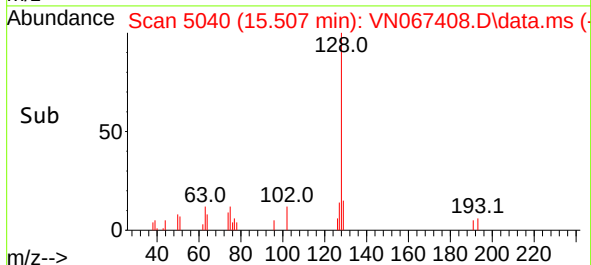
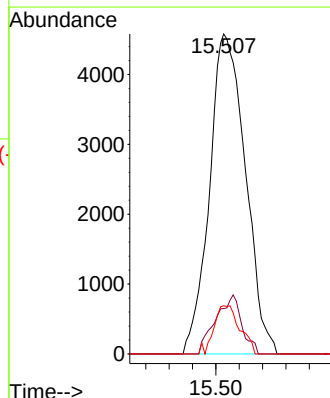
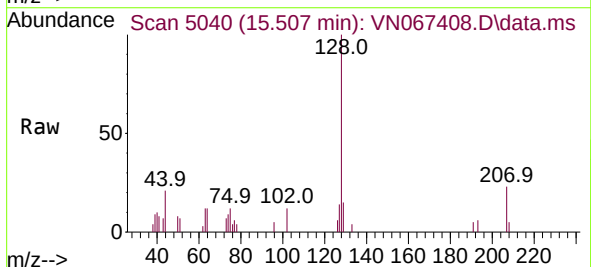
Tgt Ion:128 Resp: 9758

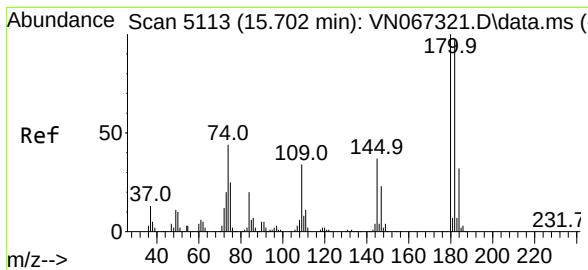
Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 10.9 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.57 ug/l
 RT: 15.711 min Scan# 5116
 Delta R.T. 0.009 min
 Lab File: VN067408.D
 Acq: 21 Jun 2021 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBL01

Tgt Ion:	180	Resp:	1944
Ion	Ratio	Lower	Upper
180	100		
182	89.0	47.8	143.3
145	31.8	18.2	54.6

