

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069607.D
 Acq On : 22 Nov 2021 14:04
 Operator : JC/MD
 Sample : M4697-01 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 03:51:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

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

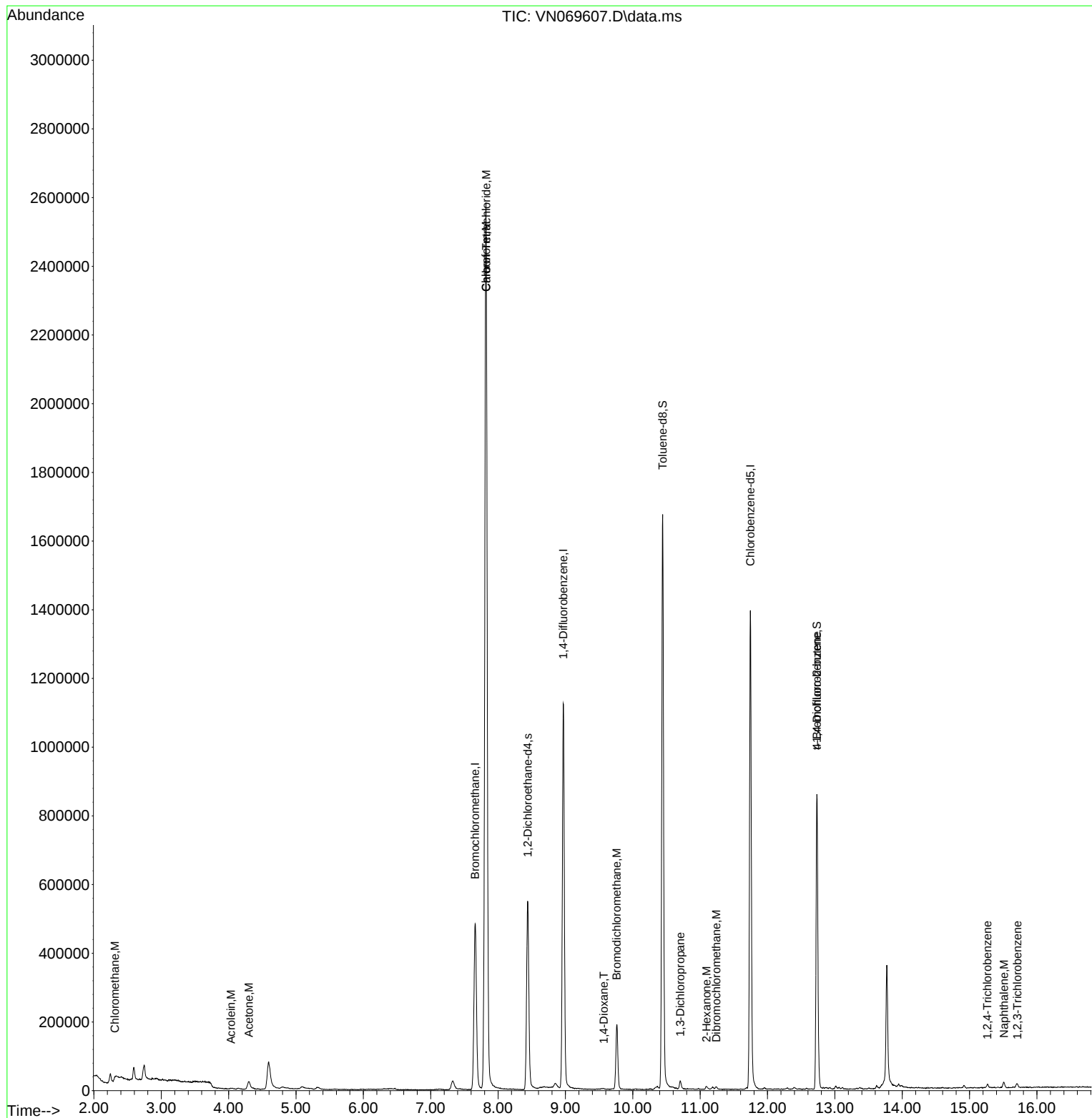
Internal Standards						
1) Bromochloromethane	7.659	128	168832	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	945307	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	798975	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	470105	32.106	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.033%
60) 4-Bromofluorobenzene	12.734	95	311955	24.399	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.333%
63) Toluene-d8	10.443	98	1144190	31.015	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.311	50	3792	0.292	ug/l	90
13) Acrolein	4.036	56	1277	1.911	ug/l	84
15) Acetone	4.299	58	8042	3.641	ug/l	88
25) Chloroform	7.820	83	2485896	123.335	ug/l	99
33) Carbon Tetrachloride	7.823	117	26352	1.894	ug/l	96
41) Bromodichloromethane	9.762	83	126694	8.672	ug/l	94
45) 1,4-Dioxane	9.569	88	57	0.233	ug/l #	1
52) 1,3-Dichloropropane	10.703	76	3912	0.205	ug/l	44
53) Dibromochloromethane	11.240	129	3798	0.360	ug/l	60
59) 2-Hexanone	11.095	43	6381	0.478	ug/l #	56
77) t-1,4-Dichloro-2-butene	12.734	75	176216	42.967	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.265	180	2698	0.313	ug/l #	80
91) Naphthalene	15.509	128	13618	0.548	ug/l #	90
92) 1,2,3-Trichlorobenzene	15.708	180	2430	0.287	ug/l	44

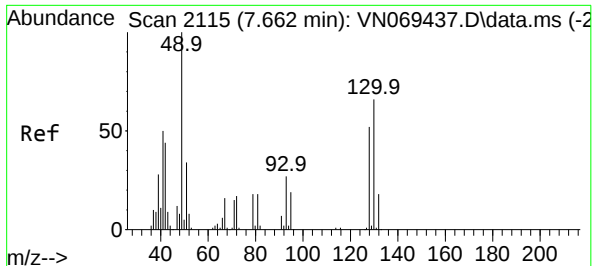
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
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QLast Update : Wed Nov 10 14:36:17 2021
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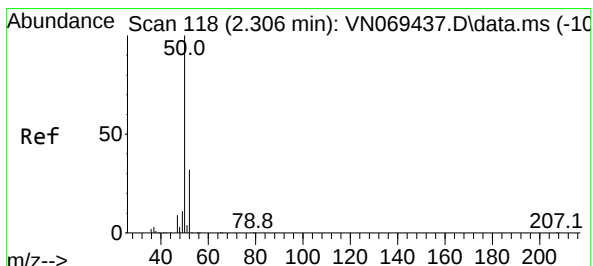
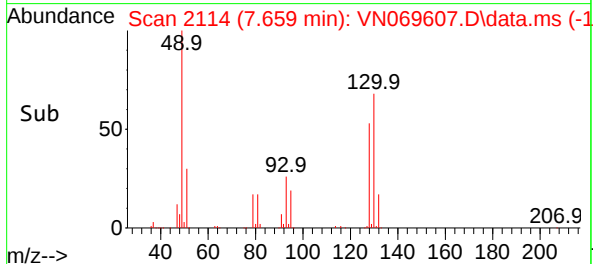
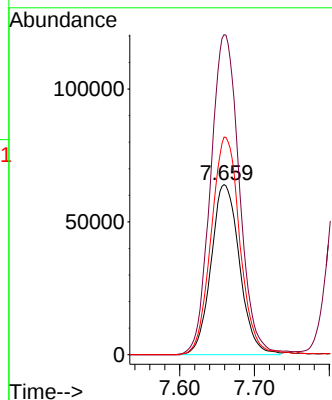
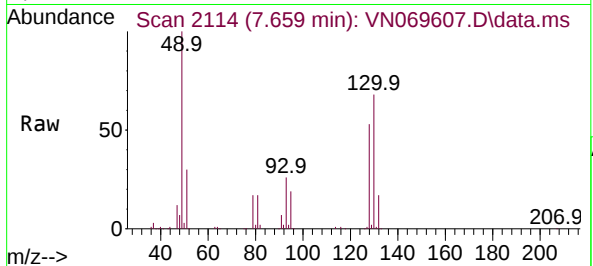




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

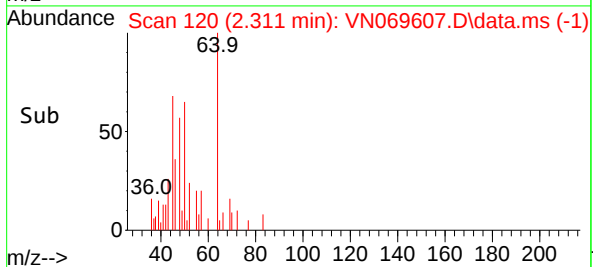
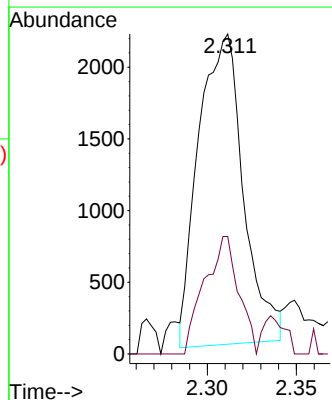
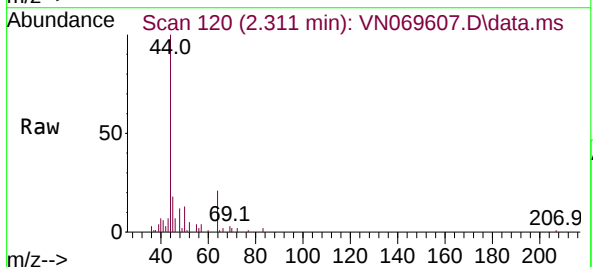
Instrument :
MSVOA_N
ClientSampleId :

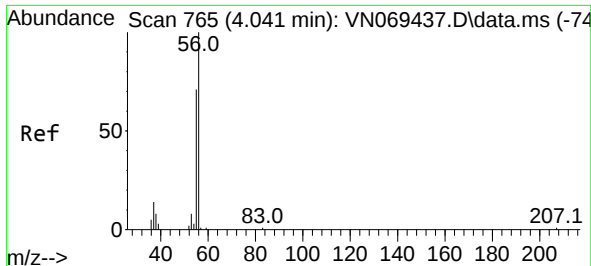
Tgt Ion:128 Resp: 168832
Ion Ratio Lower Upper
128 100
49 190.2 0.0 392.3
130 129.1 0.0 320.2



#3
Chloromethane
Concen: 0.292 ug/l
RT: 2.311 min Scan# 120
Delta R.T. 0.008 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

Tgt Ion: 50 Resp: 3792
Ion Ratio Lower Upper
50 100
52 40.6 27.8 41.6

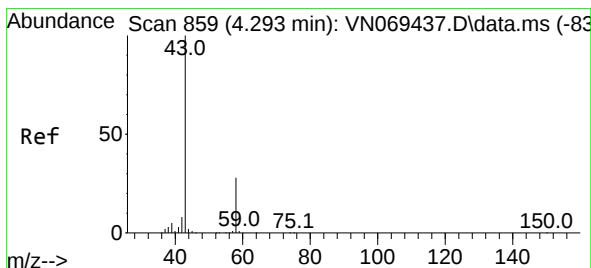
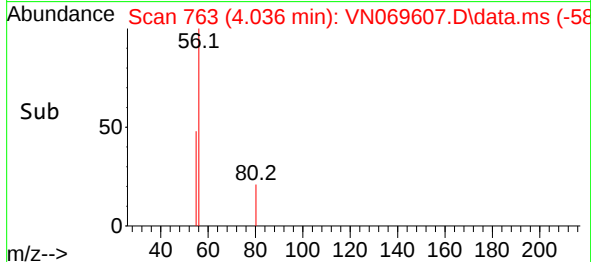
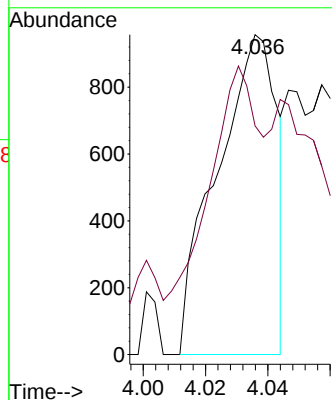
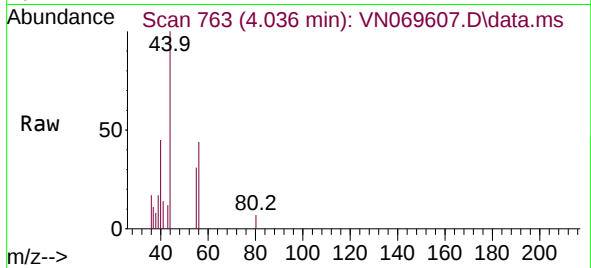




#13
Acrolein
Concen: 1.911 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.011 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

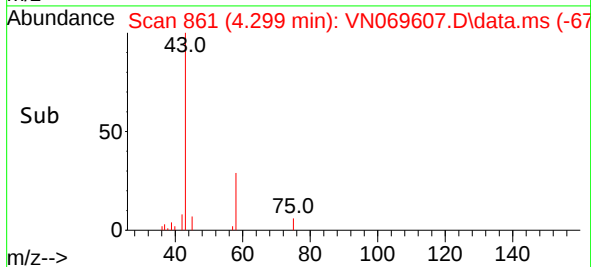
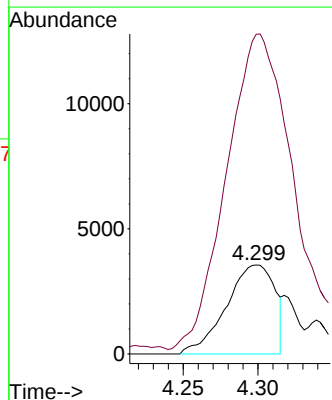
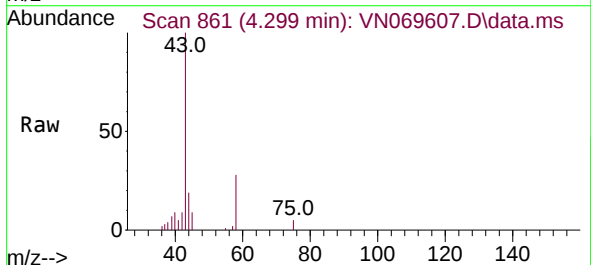
Instrument :
MSVOA_N
ClientSampleId :

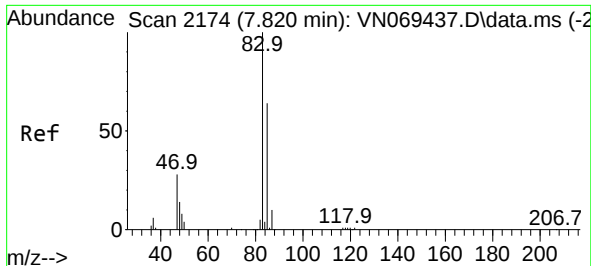
Tgt Ion: 56 Resp: 1277
Ion Ratio Lower Upper
56 100
55 58.3 57.6 86.4



#15
Acetone
Concen: 3.641 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

Tgt Ion: 58 Resp: 8042
Ion Ratio Lower Upper
58 100
43 344.5 256.6 384.8

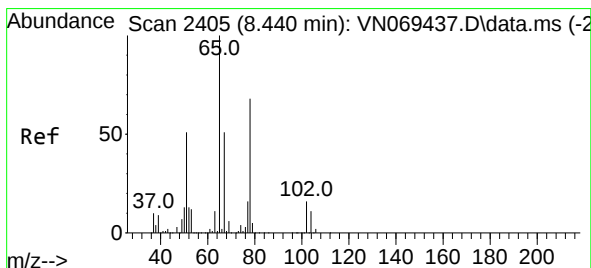
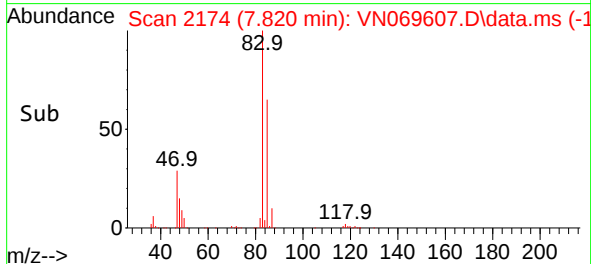
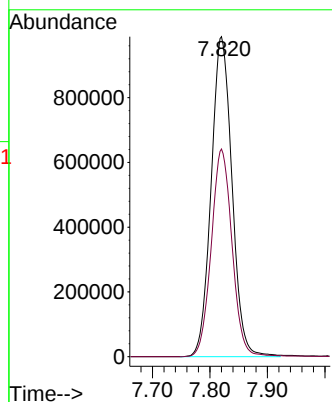
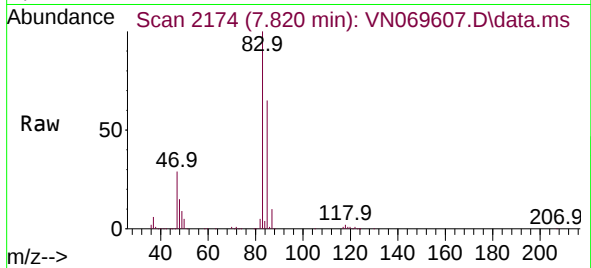




#25
Chloroform
Concen: 123.335 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

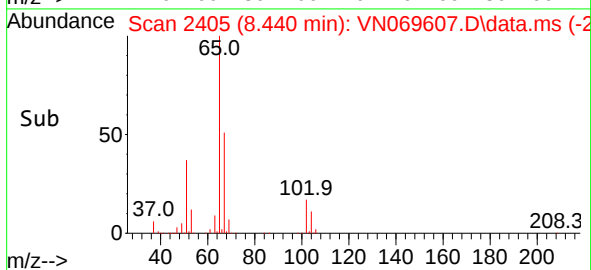
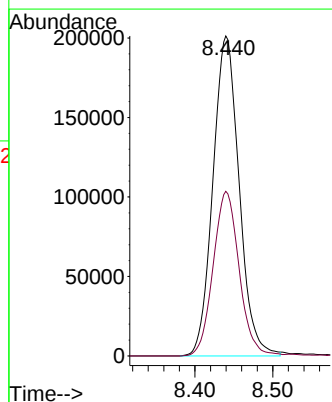
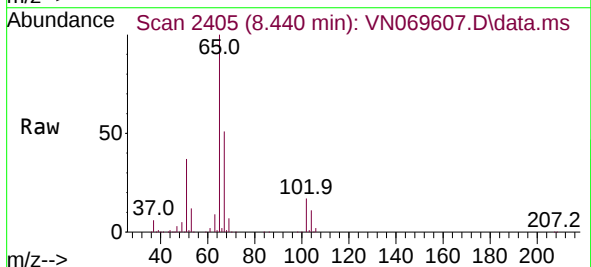
Instrument :
MSVOA_N
ClientSampleId :

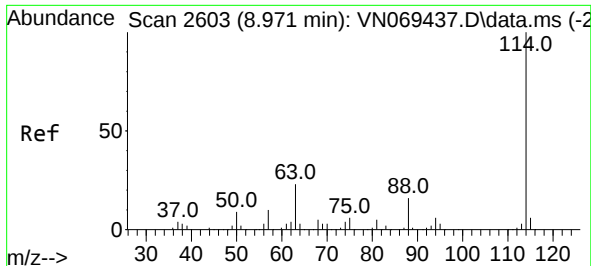
Tgt Ion: 83 Resp: 2485896
Ion Ratio Lower Upper
83 100
85 64.9 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 32.106 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

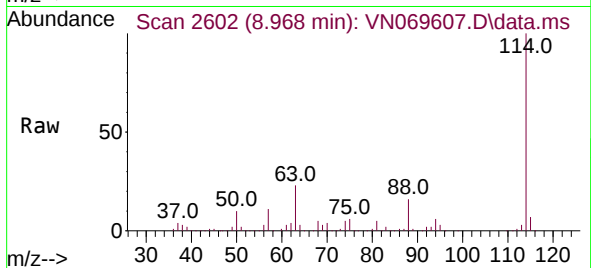
Tgt Ion: 65 Resp: 470105
Ion Ratio Lower Upper
65 100
67 51.0 40.2 60.2



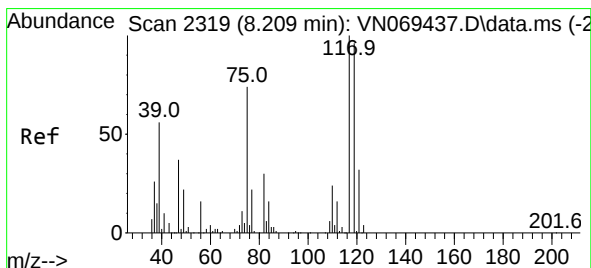
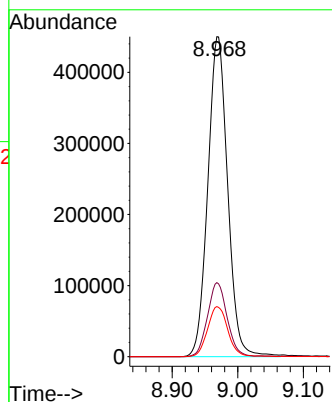
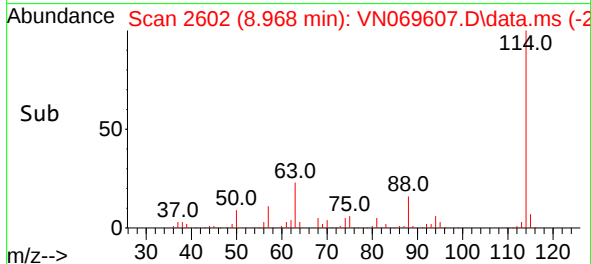


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2175
Delta R.T. -0.003 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

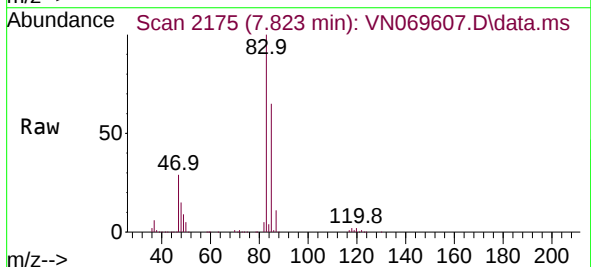
Instrument :
MSVOA_N
ClientSampleId :



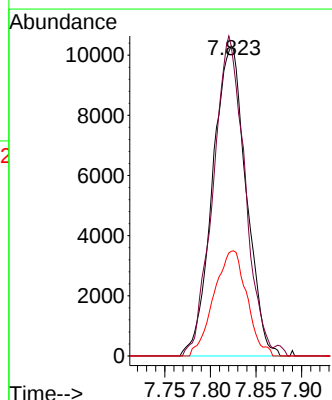
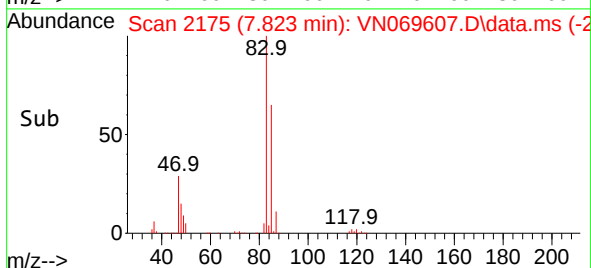
Tgt Ion:114 Resp: 945307
Ion Ratio Lower Upper
114 100
63 22.9 15.8 23.6
88 15.9 11.6 17.4

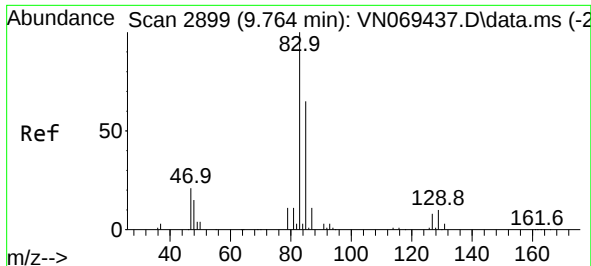


#33
Carbon Tetrachloride
Concen: 1.894 ug/l
RT: 7.823 min Scan# 2175
Delta R.T. -0.386 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04



Tgt Ion:117 Resp: 26352
Ion Ratio Lower Upper
117 100
119 100.0 77.5 116.3
121 33.8 23.5 35.3

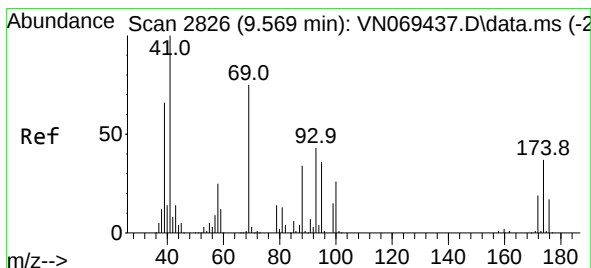
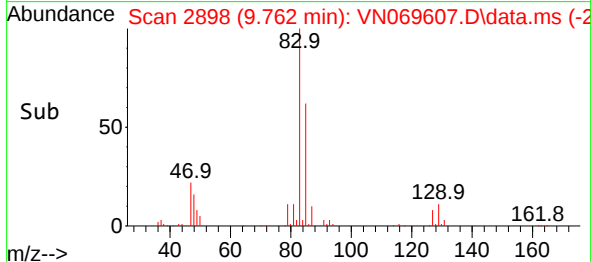
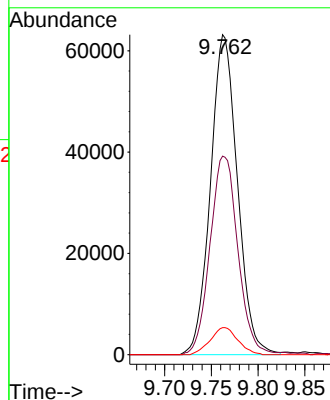
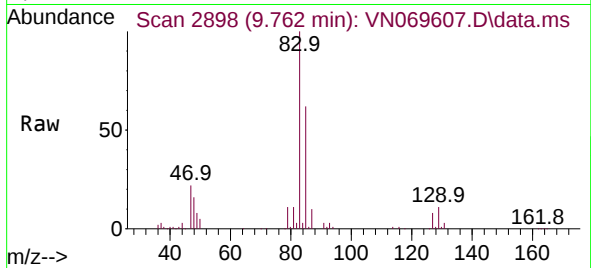




#41
Bromodichloromethane
Concen: 8.672 ug/l
RT: 9.762 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

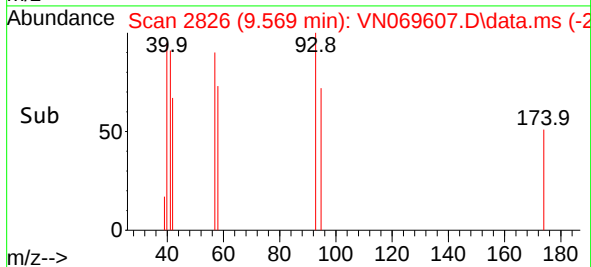
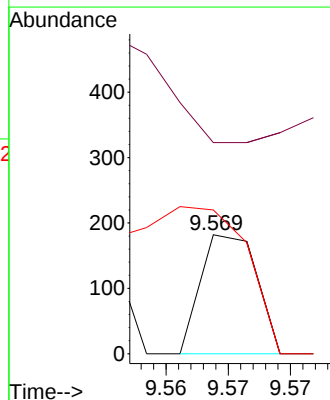
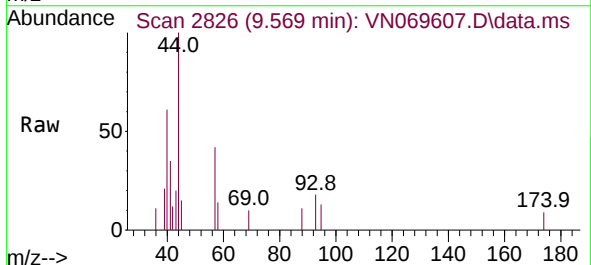
Instrument :
MSVOA_N
ClientSampleId :

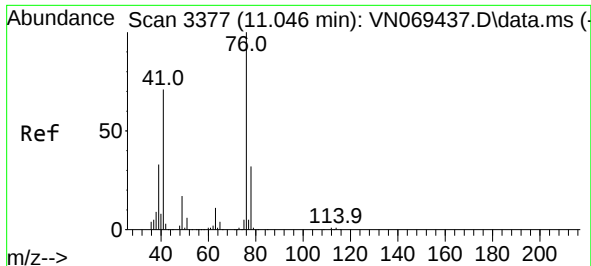
Tgt Ion: 83 Resp: 126694
Ion Ratio Lower Upper
83 100
85 62.0 54.1 81.1
127 8.5 7.6 11.4



#45
1,4-Dioxane
Concen: 0.233 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. 0.000 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 25.0 37.6#
58 278.9 49.4 74.2#

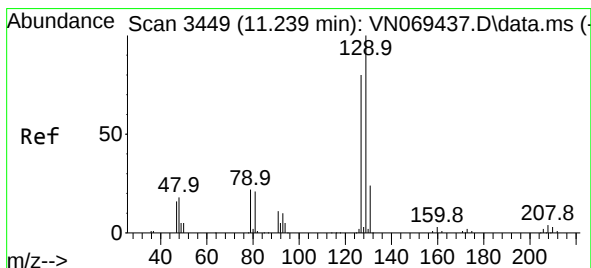
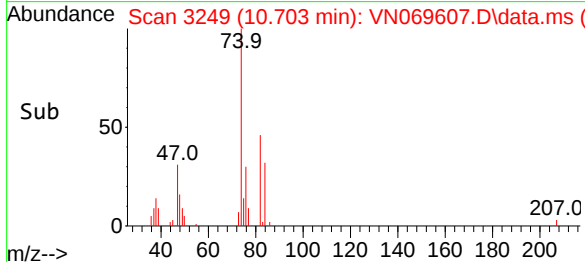
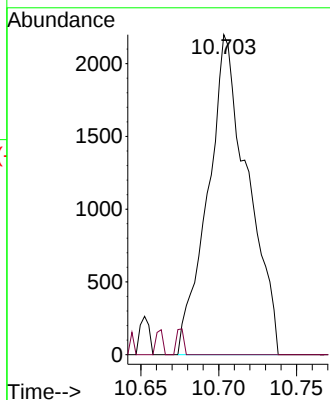
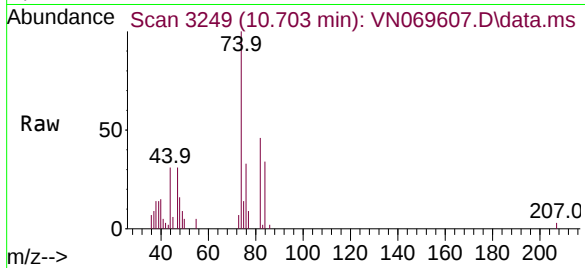




#52
1,3-Dichloropropane
Concen: 0.205 ug/l
RT: 10.703 min Scan# 31
Delta R.T. -0.343 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

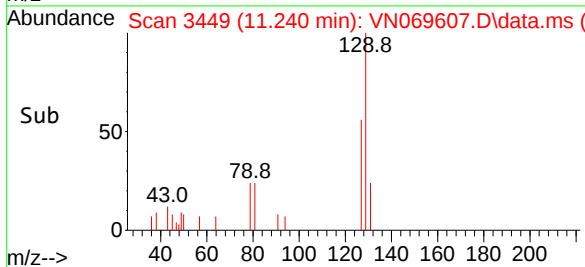
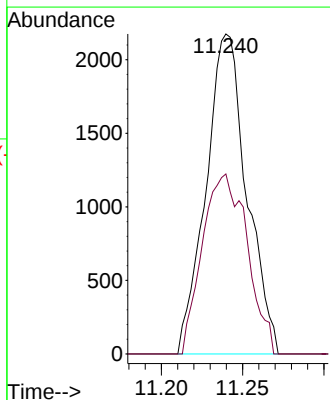
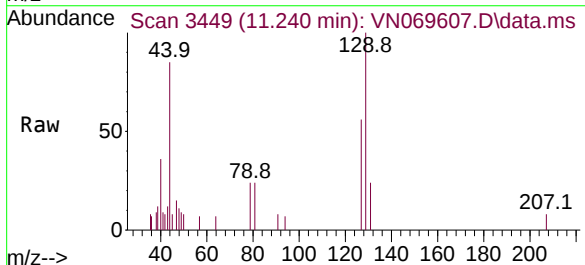
Instrument :
MSVOA_N
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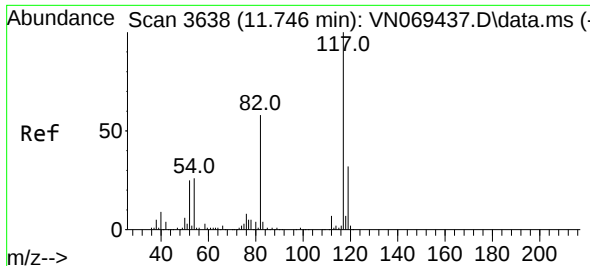
Tgt Ion: 76 Resp: 3912
Ion Ratio Lower Upper
76 100
78 1.4 0.0 65.4



#53
Dibromochloromethane
Concen: 0.360 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. 0.000 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

Tgt Ion: 129 Resp: 3798
Ion Ratio Lower Upper
129 100
127 43.3 39.0 117.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.747 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VN069607.D

Acq: 22 Nov 2021 14:04

Instrument :

MSVOA_N

ClientSampleId :

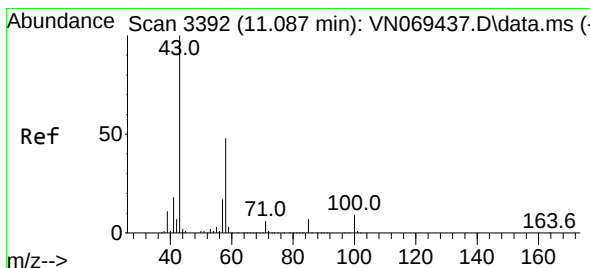
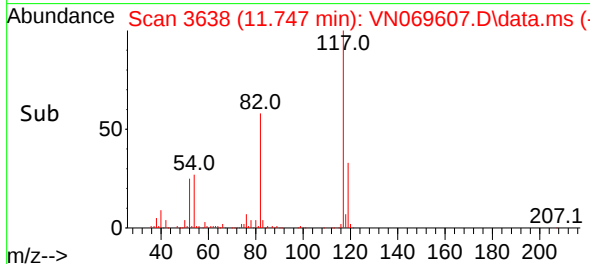
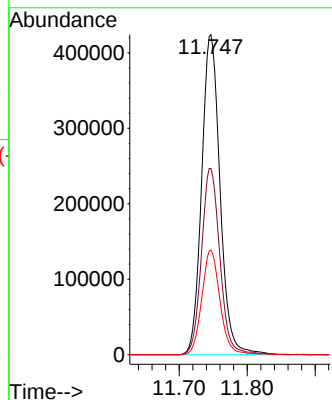
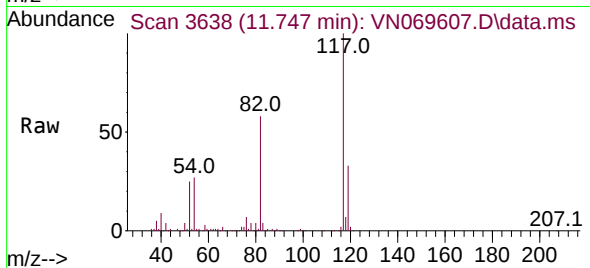
Tgt Ion:117 Resp: 798975

Ion Ratio Lower Upper

117 100

82 57.8 43.6 65.4

119 32.2 25.8 38.6



#59

2-Hexanone

Concen: 0.478 ug/l

RT: 11.095 min Scan# 3395

Delta R.T. 0.008 min

Lab File: VN069607.D

Acq: 22 Nov 2021 14:04

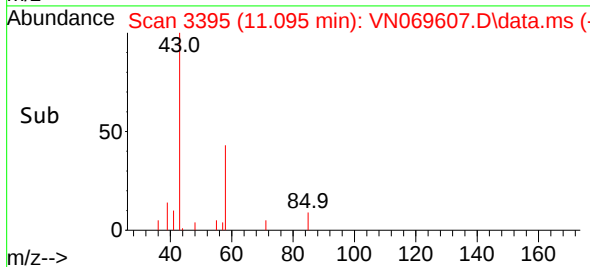
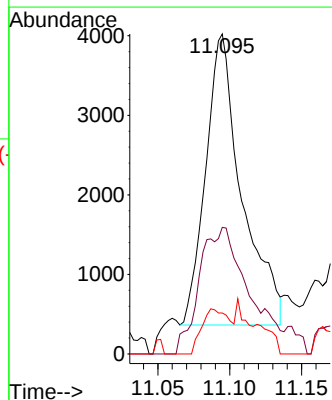
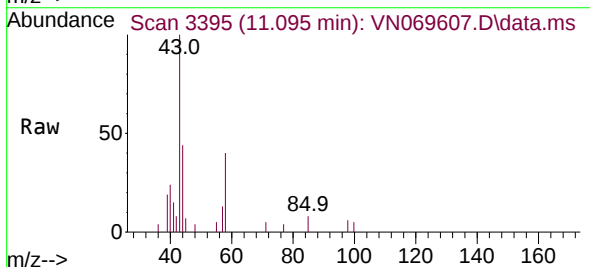
Tgt Ion: 43 Resp: 6381

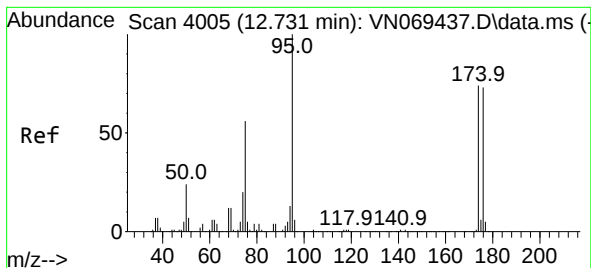
Ion Ratio Lower Upper

43 100

58 14.1 42.2 63.2#

57 12.0 15.0 22.4#

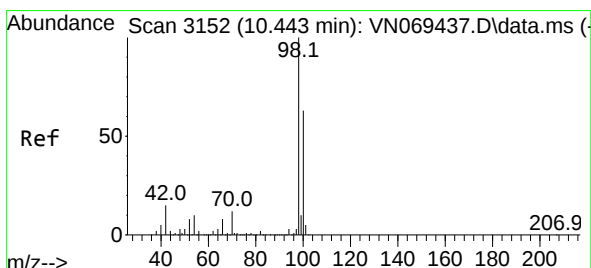
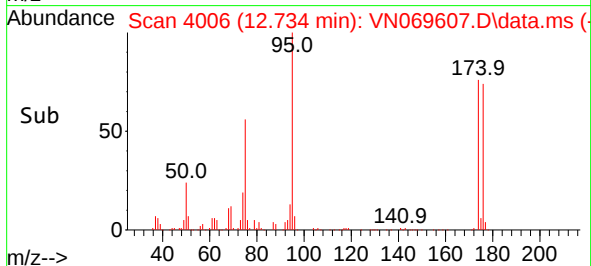
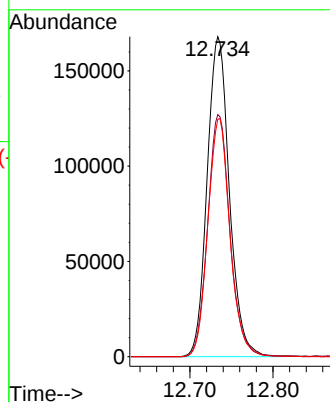
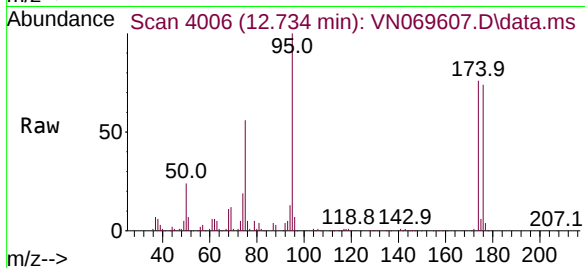




#60
4-Bromofluorobenzene
Concen: 24.399 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

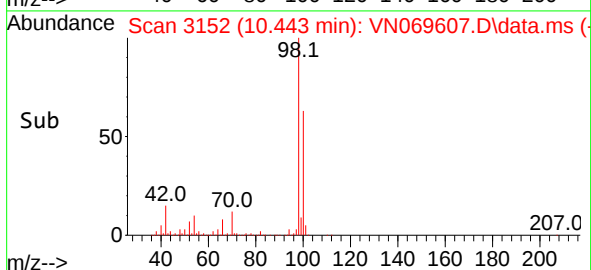
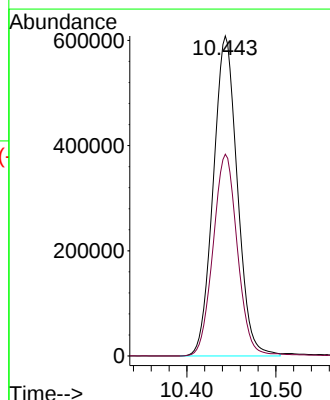
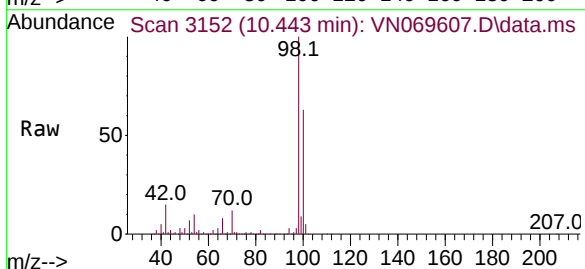
Instrument :
MSVOA_N
ClientSampleId :

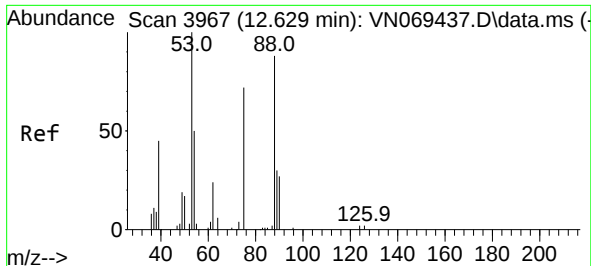
Tgt Ion: 95 Resp: 311955
Ion Ratio Lower Upper
95 100
174 75.8 62.9 94.3
176 74.0 61.0 91.4



#63
Toluene-d8
Concen: 31.015 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

Tgt Ion: 98 Resp: 1144190
Ion Ratio Lower Upper
98 100
100 63.4 50.6 76.0

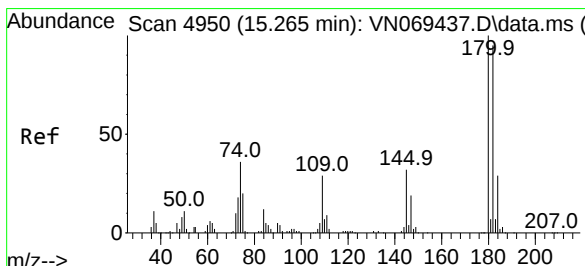
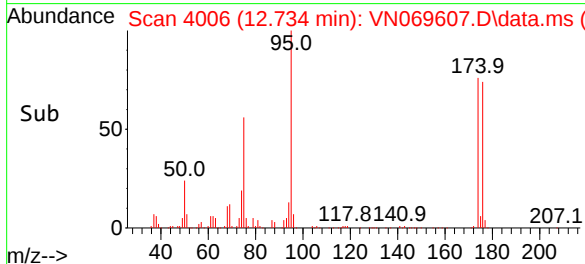
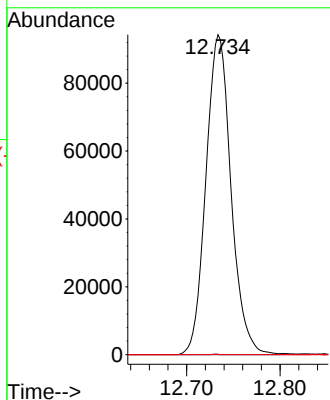
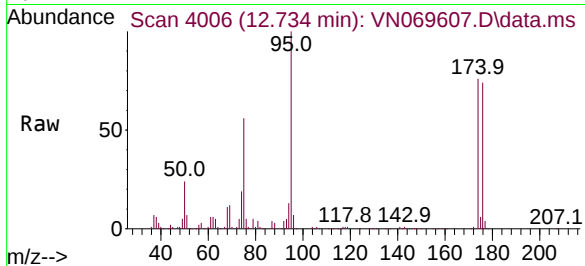




#77
 t-1,4-Dichloro-2-butene
 Concen: 42.967 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.105 min
 Lab File: VN069607.D
 Acq: 22 Nov 2021 14:04

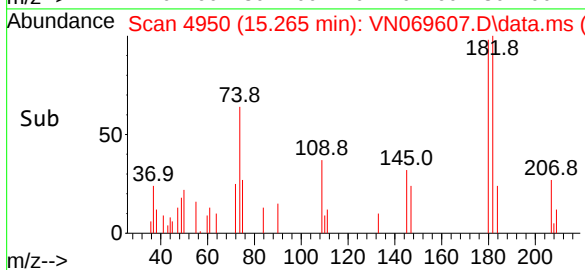
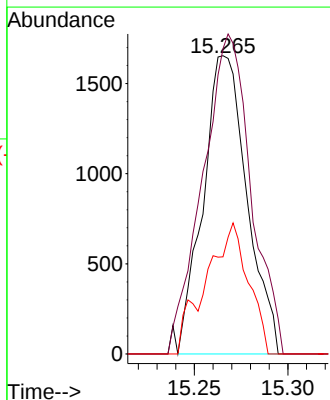
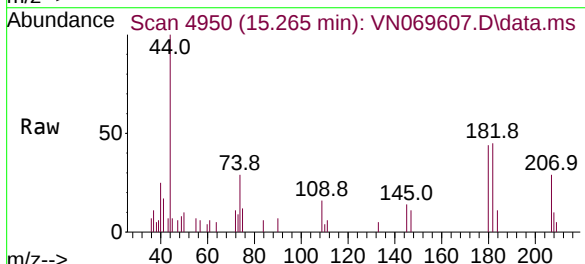
Instrument :
 MSVOA_N
 ClientSampleId :

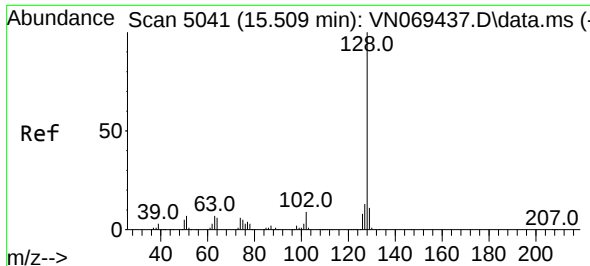
Tgt Ion: 75 Resp: 176216
 Ion Ratio Lower Upper
 75 100
 53 0.2 51.8 155.5#
 89 0.0 22.9 68.7#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.313 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN069607.D
 Acq: 22 Nov 2021 14:04

Tgt Ion: 180 Resp: 2698
 Ion Ratio Lower Upper
 180 100
 182 118.2 77.7 116.5#
 145 25.1 26.6 39.8#

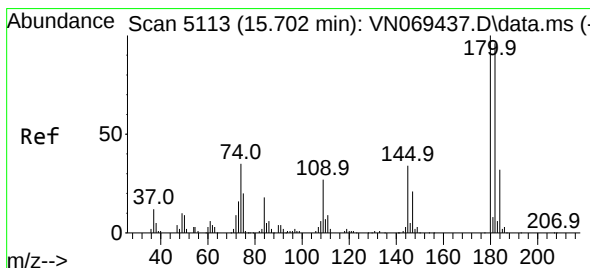
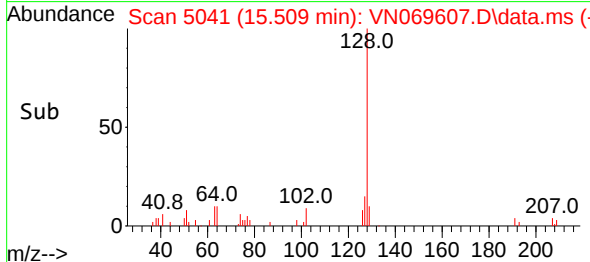
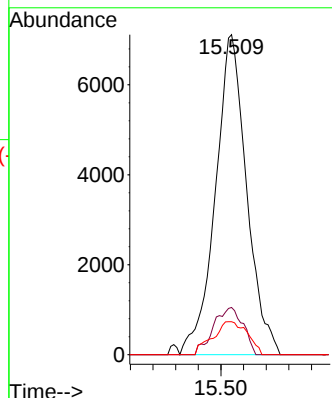
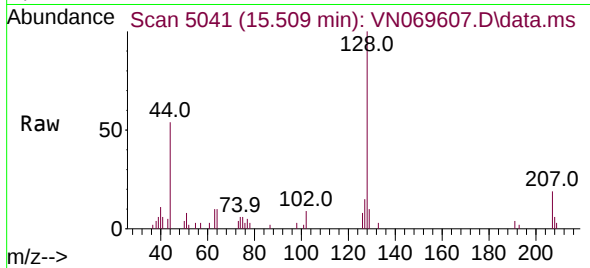




#91
Naphthalene
Concen: 0.548 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 13618
Ion Ratio Lower Upper
128 100
127 8.6 10.7 16.1#
129 8.8 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.287 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN069607.D
Acq: 22 Nov 2021 14:04

Tgt Ion:180 Resp: 2430
Ion Ratio Lower Upper
180 100
182 158.1 0.0 190.0
145 16.3 0.0 67.8

