

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111921\
 Data File : VN069589.D
 Acq On : 19 Nov 2021 16:57
 Operator : JC/MD
 Sample : M4764-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 05:08:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

Compound	R.T.	T.Q	Ion	Response	Conc	Units	Dev(Min)

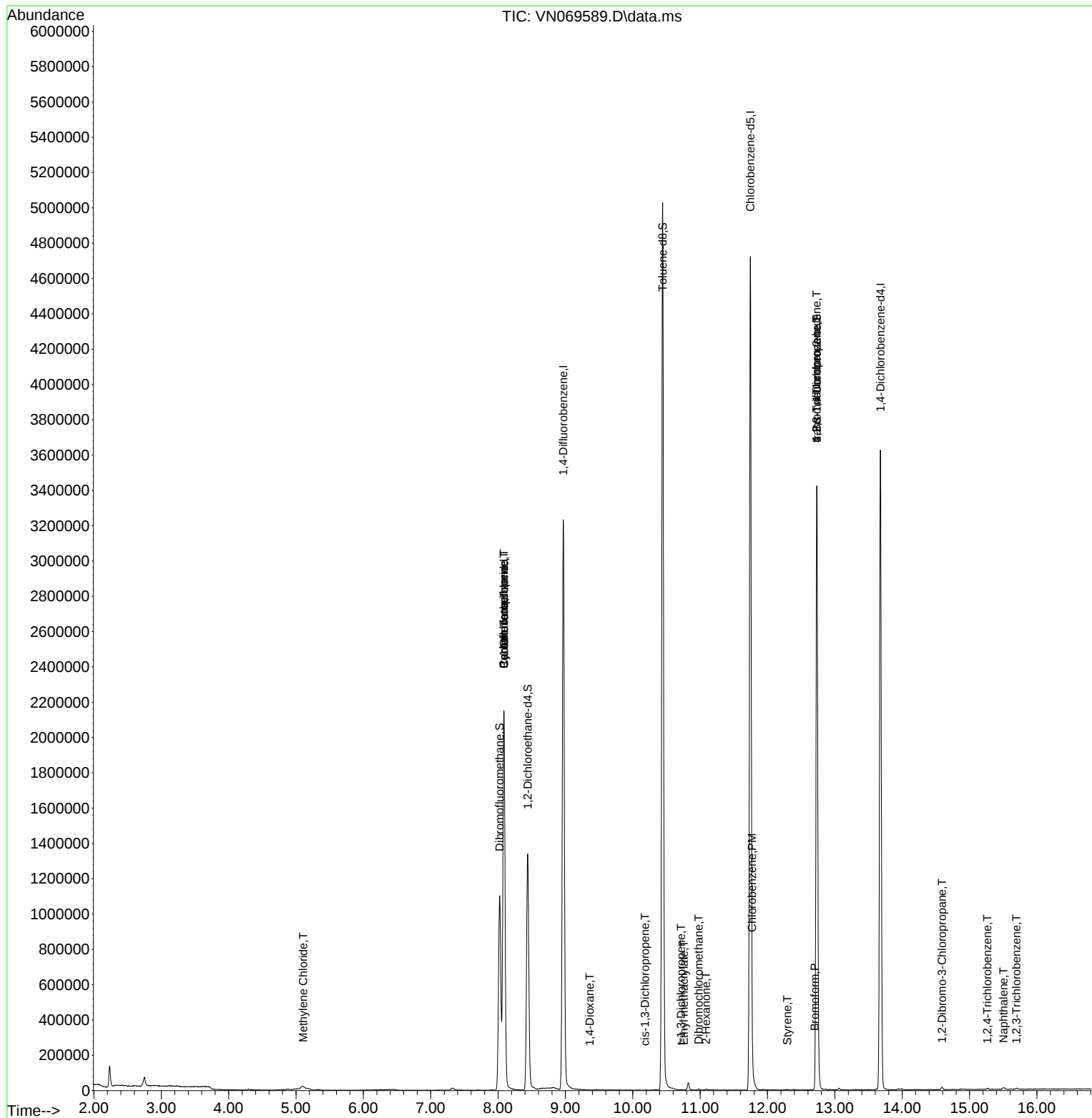
Internal Standards							
1) Pentafluorobenzene	8.088	168		1596443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114		2747864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117		2686730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152		967656	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.440	65		1165950	50.370	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.740%	
35) Dibromofluoromethane	8.024	113		804218	48.798	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.600%	
50) Toluene-d8	10.443	98		3457062	53.335	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.680%	
62) 4-Bromofluorobenzene	12.731	95		1199489	50.374	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.740%	
Target Compounds							
						Qvalue	
13) Acrolein	4.039	56		439	Below Cal	#	69
20) Methylene Chloride	5.106	84		10778	0.609	ug/l	93
31) Cyclohexane	8.088	56		43437	1.374	ug/l #	42
36) 1,1-Dichloropropene	8.086	75		137704	5.956	ug/l #	49
38) Carbon Tetrachloride	8.088	117		167271	7.493	ug/l #	16
49) 1,4-Dioxane	9.360	88		24	39.108	ug/l #	1
53) t-1,3-Dichloropropene	10.714	75		93	2.640	ug/l #	1
54) cis-1,3-Dichloropropene	10.183	75		89	1.736	ug/l #	67
56) Ethyl methacrylate	10.757	69		239	2.060	ug/l #	26
59) 2-Hexanone	11.087	43		5414	8.133	ug/l	75
60) Dibromochloromethane	10.977	129		1419	2.486	ug/l #	11
65) Chlorobenzene	11.771	112		15846	0.317	ug/l	96
70) Styrene	12.294	104		724	1.532	ug/l #	69
71) Bromoform	12.701	173		35	3.430	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75		674611	30.209	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75		674611	85.302	ug/l #	5
92) 1,2-Dibromo-3-Chloropr...	14.592	75		2307	2.257	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.265	180		2062	3.240	ug/l #	58
95) Naphthalene	15.504	128		9310	4.649	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.697	180		2136	3.307	ug/l	87

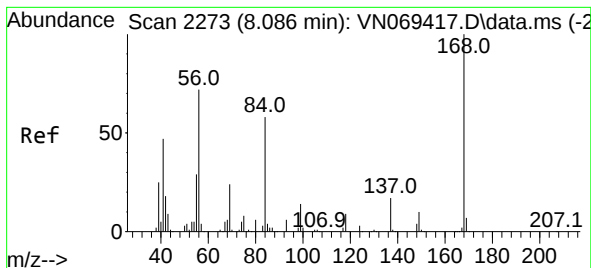
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111921\
Data File : VN069589.D
Acq On : 19 Nov 2021 16:57
Operator : JC/MD
Sample : M4764-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 22 05:08:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 09 18:18:22 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN069589.D

Acq: 19 Nov 2021 16:57

Instrument :

MSVOA_N

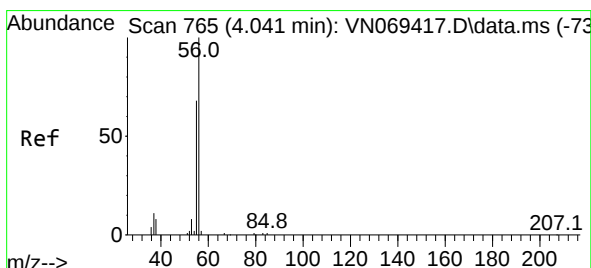
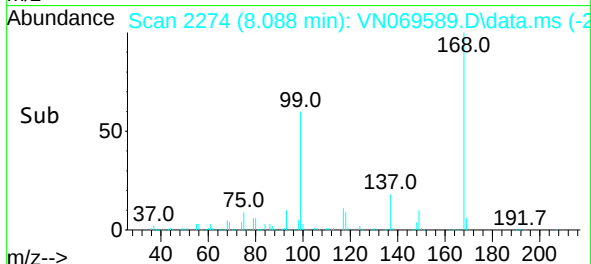
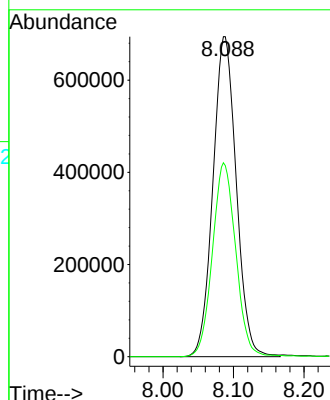
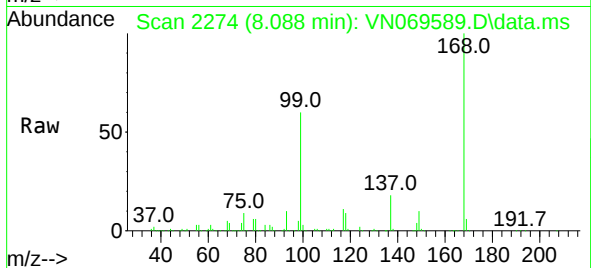
ClientSampleId :

Tgt Ion:168 Resp: 1596443

Ion Ratio Lower Upper

168 100

99 59.7 41.3 61.9



#13

Acrolein

Concen: Below Cal

RT: 4.039 min Scan# 764

Delta R.T. -0.002 min

Lab File: VN069589.D

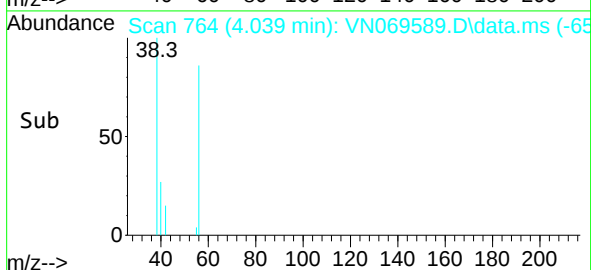
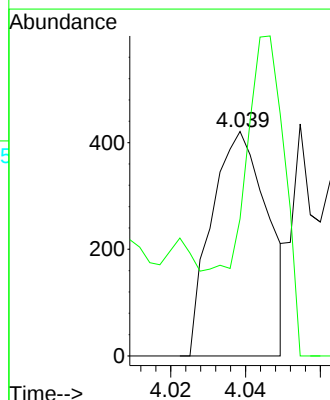
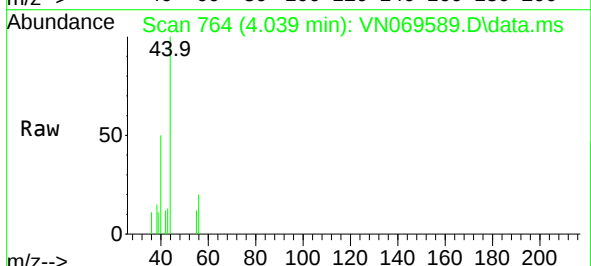
Acq: 19 Nov 2021 16:57

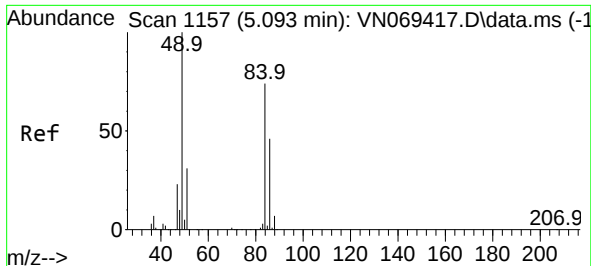
Tgt Ion: 56 Resp: 439

Ion Ratio Lower Upper

56 100

55 96.1 56.6 85.0#





#20

Methylene Chloride

Concen: 0.609 ug/l

RT: 5.106 min Scan# 1157

Delta R.T. 0.013 min

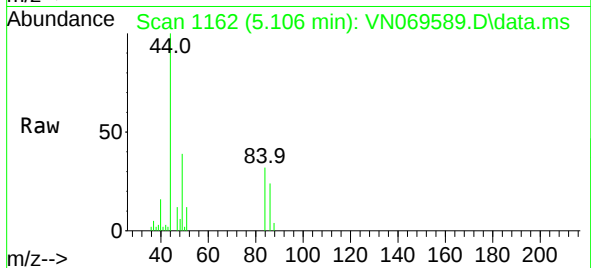
Lab File: VN069589.D

Acq: 19 Nov 2021 16:57

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 10778

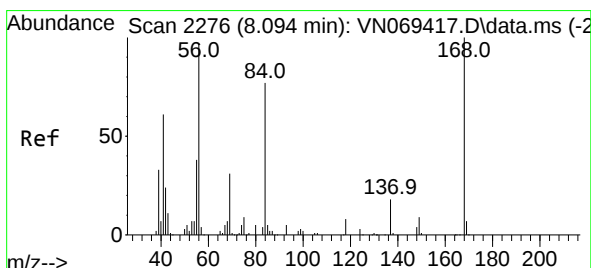
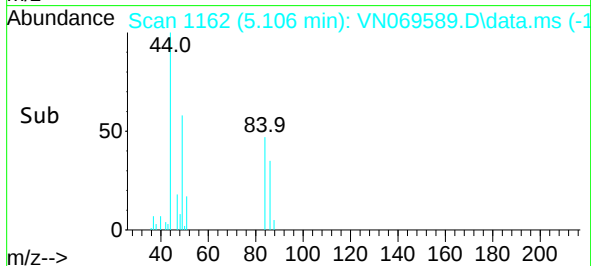
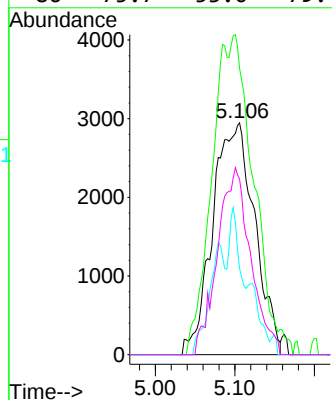
Ion Ratio Lower Upper

84 100

49 123.5 93.5 140.3

51 37.2 29.4 44.2

86 75.7 53.0 79.4



#31

Cyclohexane

Concen: 1.374 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN069589.D

Acq: 19 Nov 2021 16:57

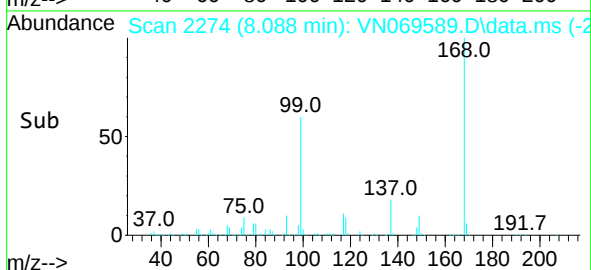
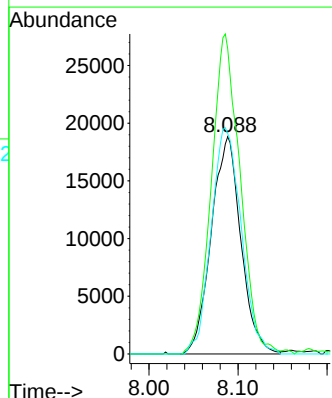
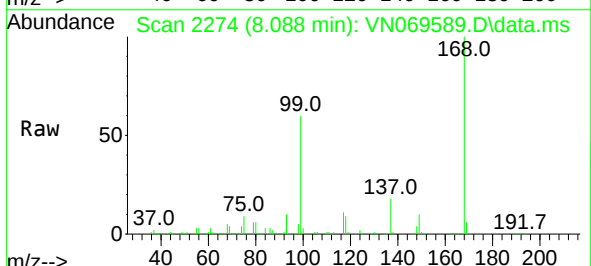
Tgt Ion: 56 Resp: 43437

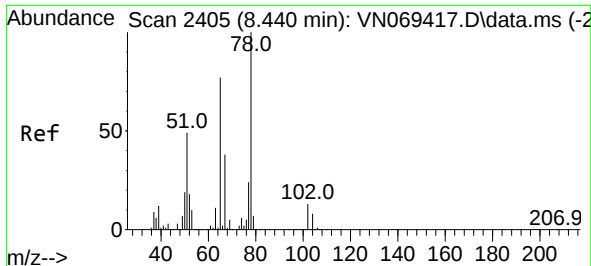
Ion Ratio Lower Upper

56 100

69 140.4 27.1 40.7#

84 101.4 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 50.370 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069589.D

Acq: 19 Nov 2021 16:57

Instrument :

MSVOA_N

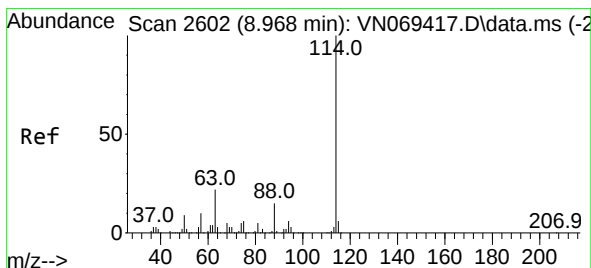
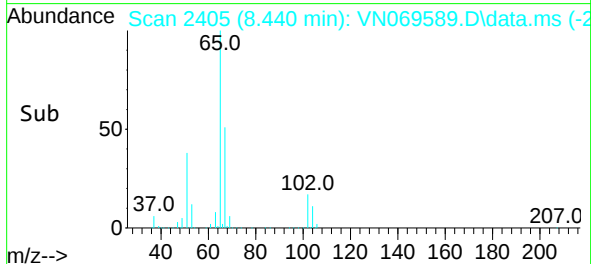
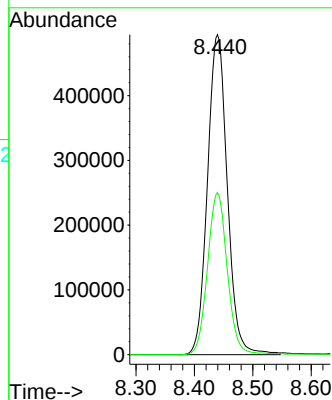
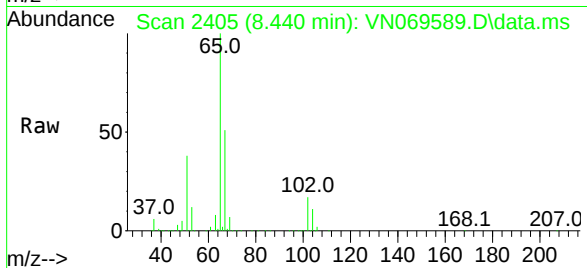
ClientSampleId :

Tgt Ion: 65 Resp: 1165950

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069589.D

Acq: 19 Nov 2021 16:57

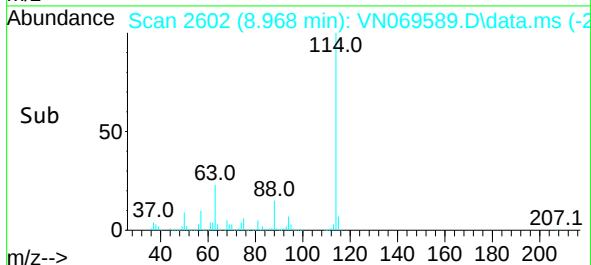
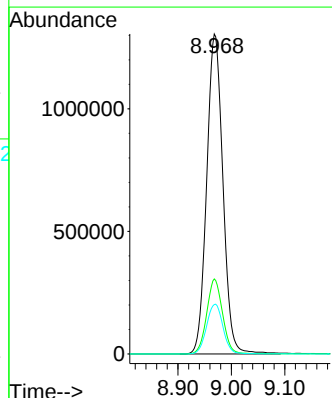
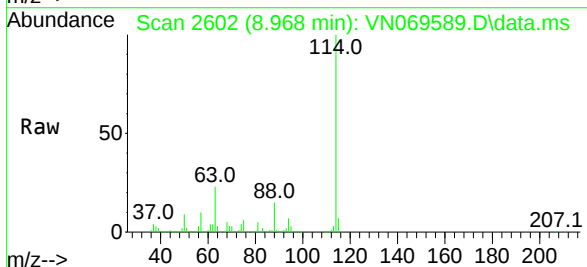
Tgt Ion: 114 Resp: 2747864

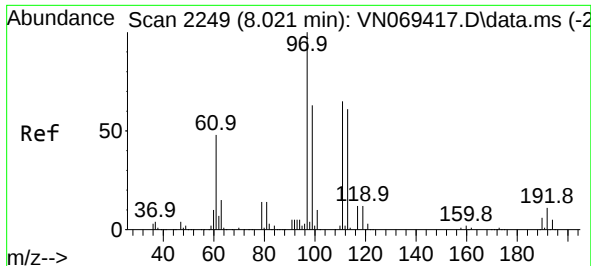
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 15.5 0.0 27.4





#35

Dibromofluoromethane

Concen: 48.798 ug/l

RT: 8.024 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN069589.D

Acq: 19 Nov 2021 16:57

Instrument :

MSVOA_N

ClientSampleId :

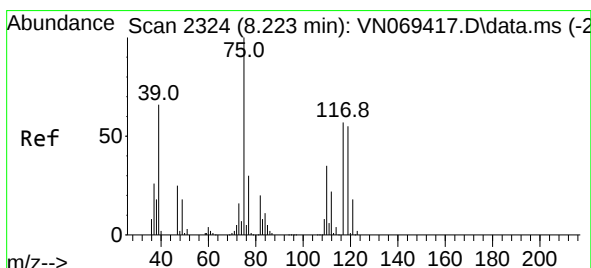
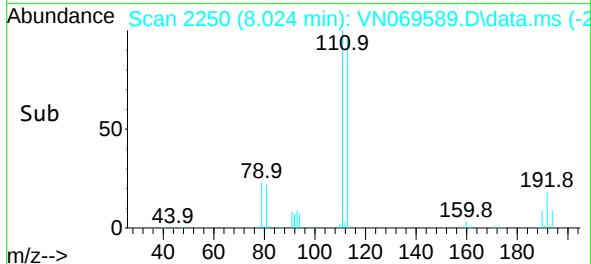
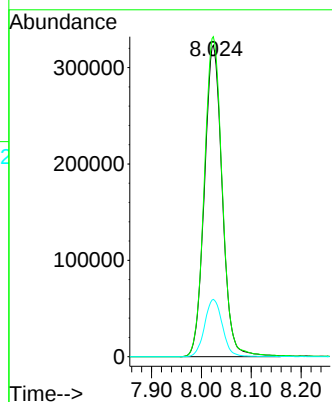
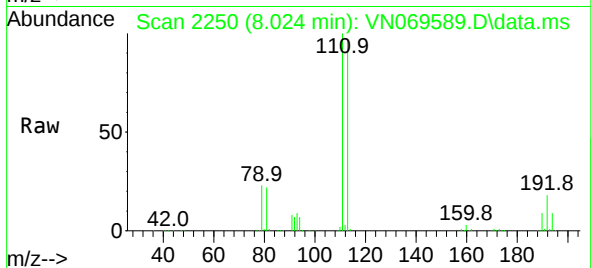
Tgt Ion:113 Resp: 804218

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 18.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.956 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.137 min

Lab File: VN069589.D

Acq: 19 Nov 2021 16:57

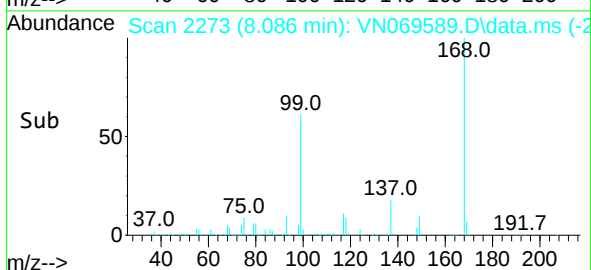
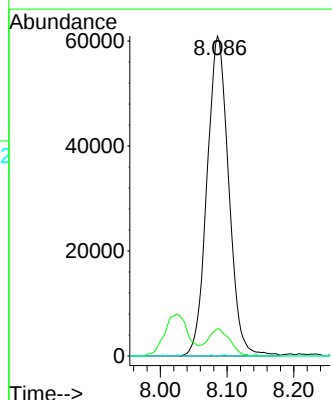
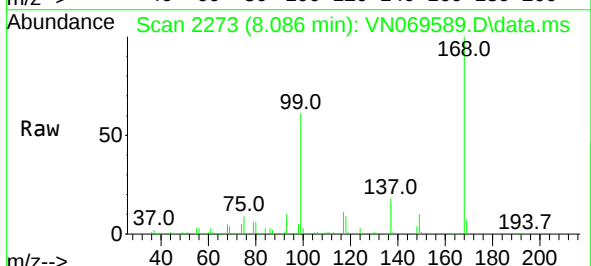
Tgt Ion: 75 Resp: 137704

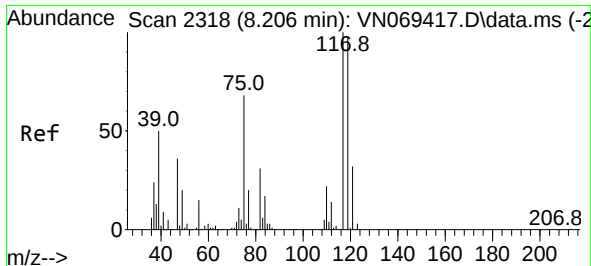
Ion Ratio Lower Upper

75 100

110 8.5 18.4 55.2#

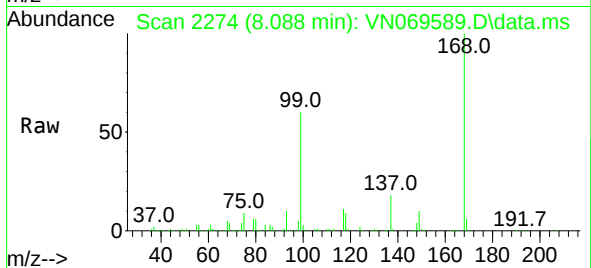
77 0.1 24.4 36.6#



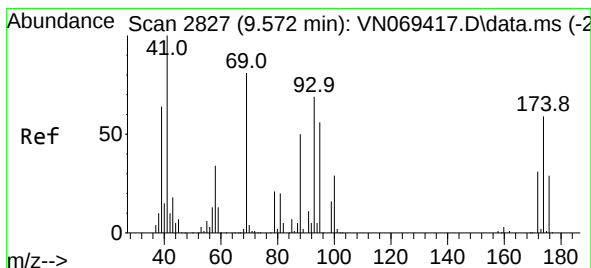
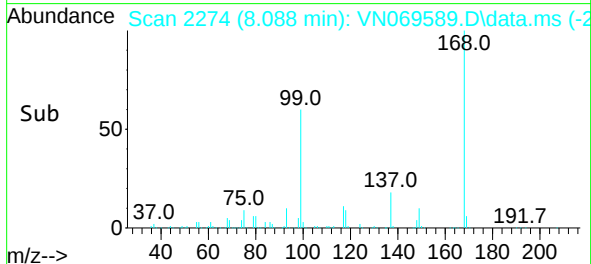
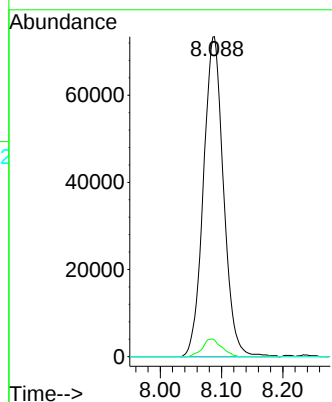


#38
Carbon Tetrachloride
Concen: 7.493 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

Instrument :
MSVOA_N
ClientSampleId :

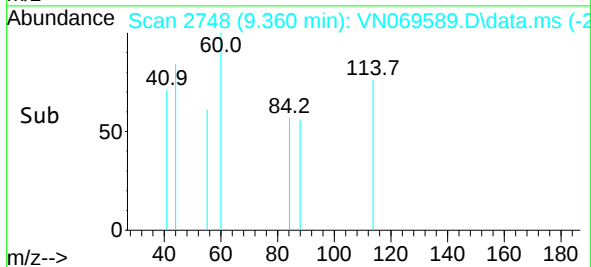
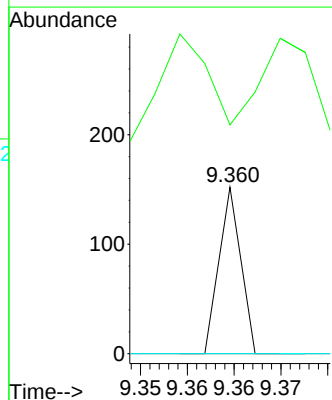
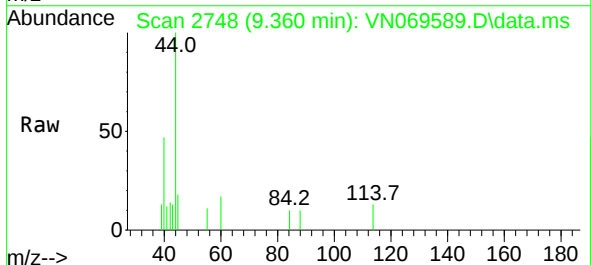


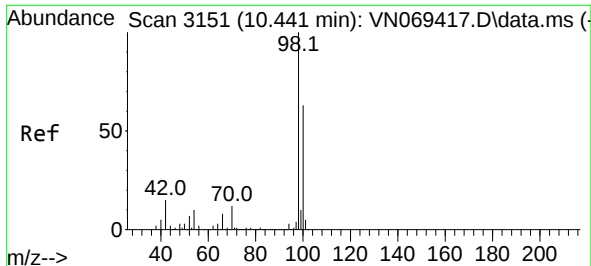
Tgt Ion:117 Resp: 167271
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 39.108 ug/l
RT: 9.360 min Scan# 2748
Delta R.T. -0.212 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 150.0 23.4 35.2#
58 0.0 50.6 75.8#

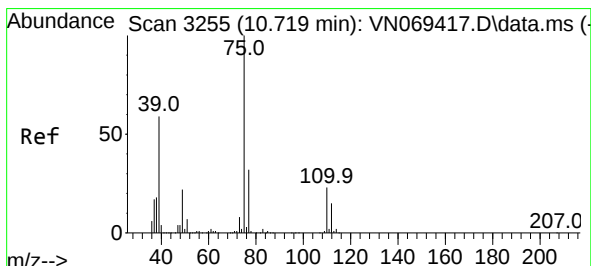
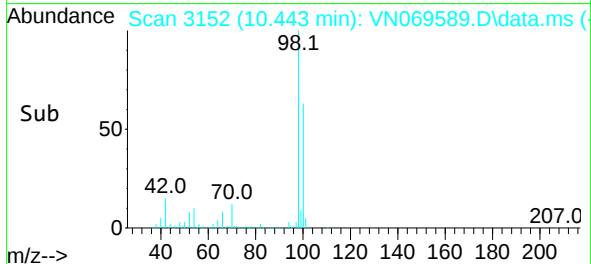
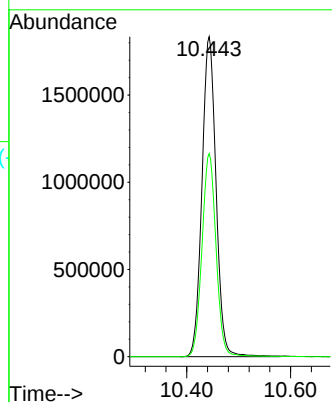
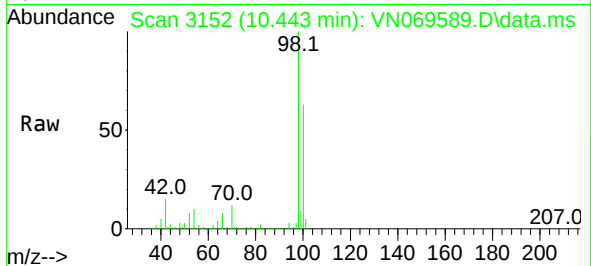




#50
Toluene-d8
Concen: 53.335 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

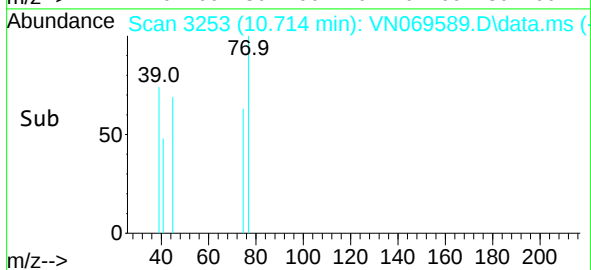
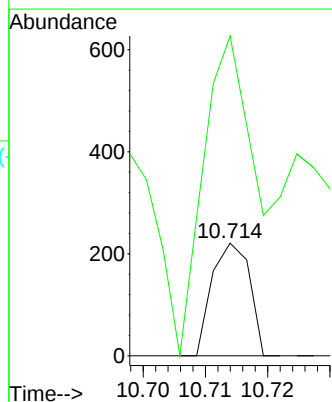
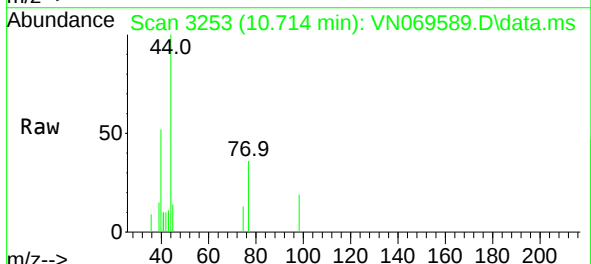
Instrument :
MSVOA_N
ClientSampleId :

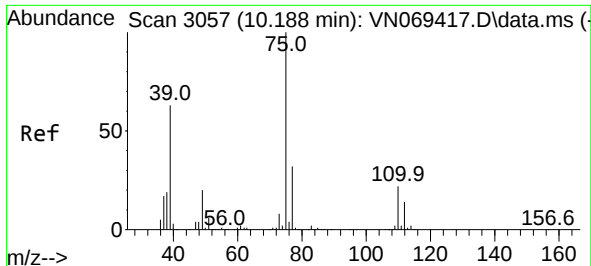
Tgt Ion: 98 Resp: 3457062
Ion Ratio Lower Upper
98 100
100 63.4 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.640 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.005 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

Tgt Ion: 75 Resp: 93
Ion Ratio Lower Upper
75 100
77 283.7 25.6 38.4#

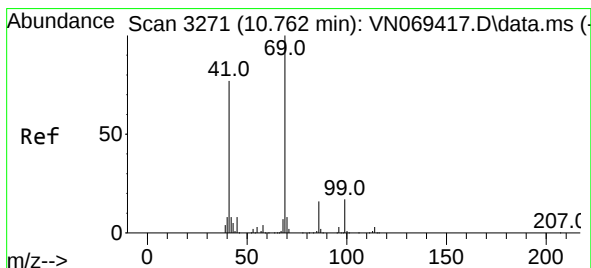
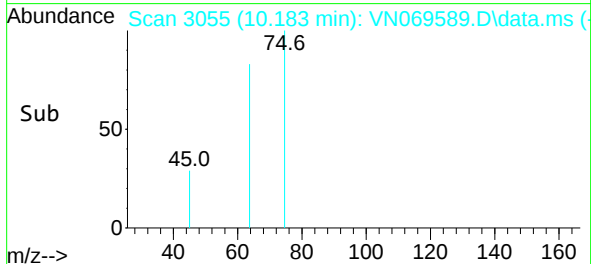
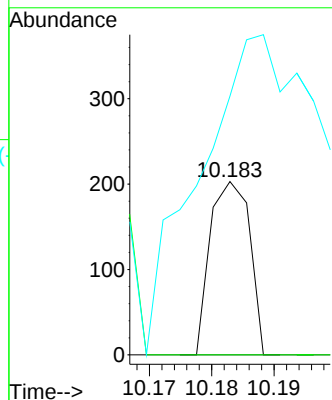
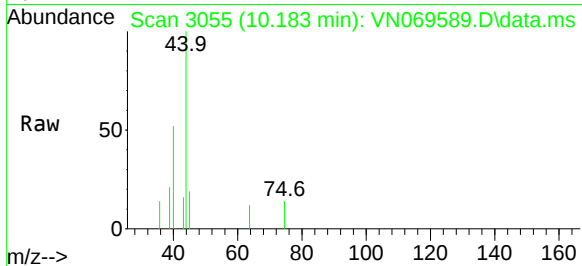




#54
 cis-1,3-Dichloropropene
 Concen: 1.736 ug/l
 RT: 10.183 min Scan# 3057
 Delta R.T. -0.005 min
 Lab File: VN069589.D
 Acq: 19 Nov 2021 16:57

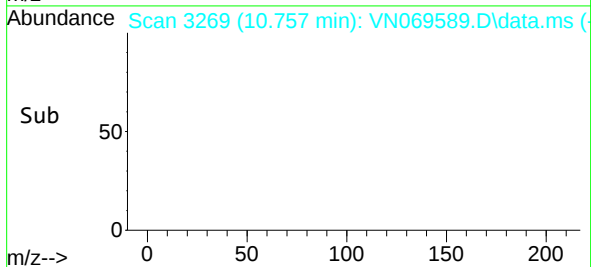
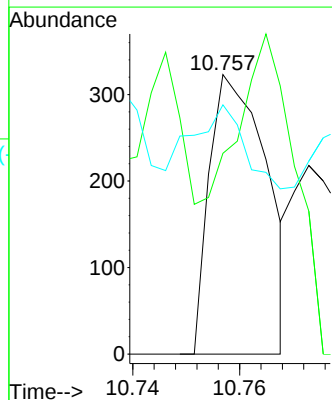
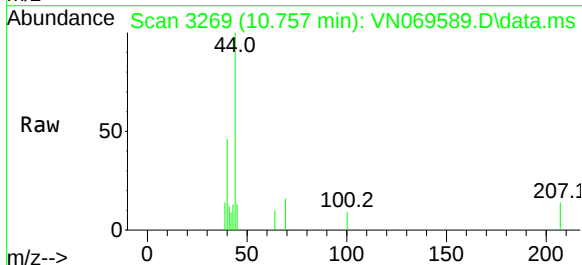
Instrument :
 MSVOA_N
 ClientSampleId :

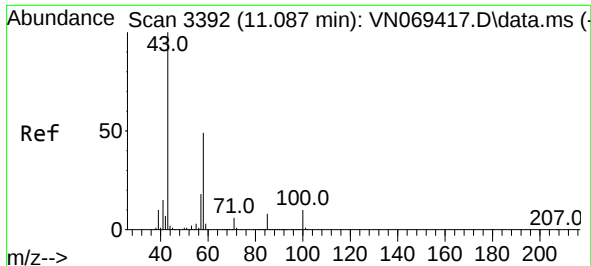
Tgt Ion: 75 Resp: 89
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 65.5 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.060 ug/l
 RT: 10.757 min Scan# 3269
 Delta R.T. -0.005 min
 Lab File: VN069589.D
 Acq: 19 Nov 2021 16:57

Tgt Ion: 69 Resp: 239
 Ion Ratio Lower Upper
 69 100
 41 125.1 51.4 77.0#
 39 0.0 34.6 52.0#

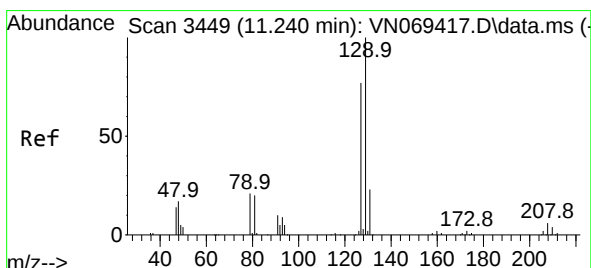
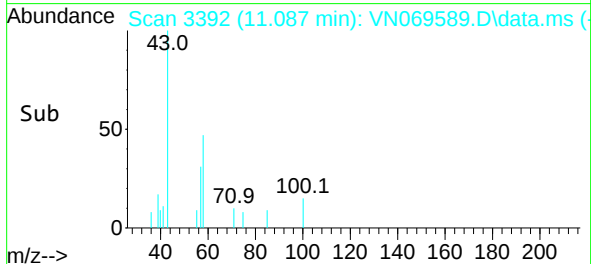
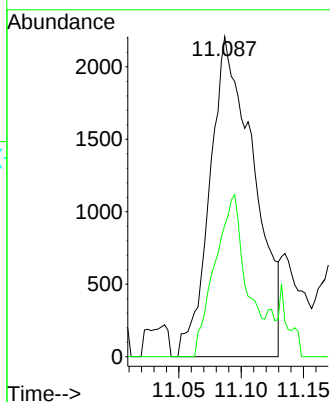
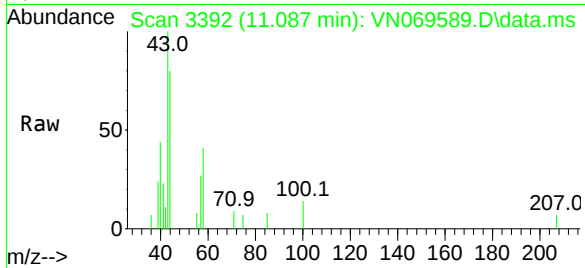




#59
2-Hexanone
Concen: 8.133 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

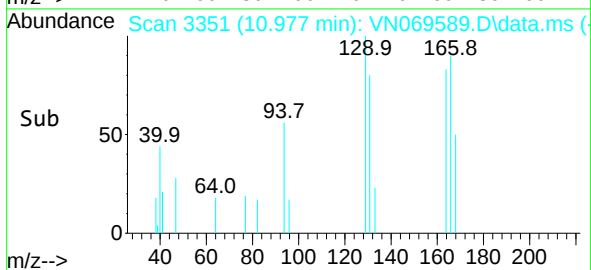
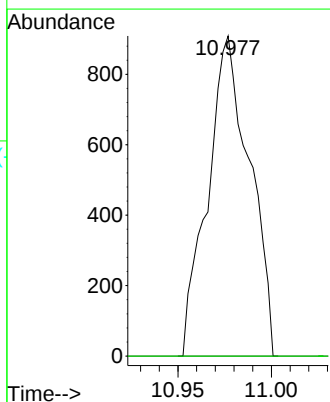
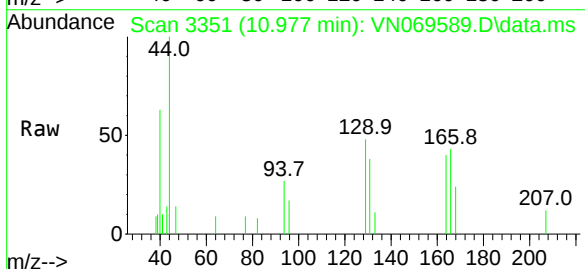
Instrument :
MSVOA_N
ClientSampleId :

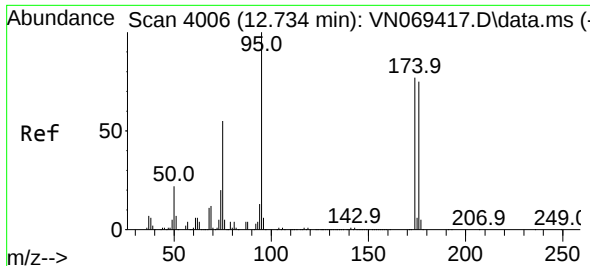
Tgt Ion: 43 Resp: 5414
Ion Ratio Lower Upper
43 100
58 36.1 26.9 80.7



#60
Dibromochloromethane
Concen: 2.486 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

Tgt Ion: 129 Resp: 1419
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

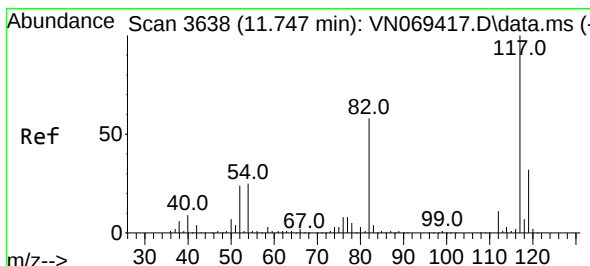
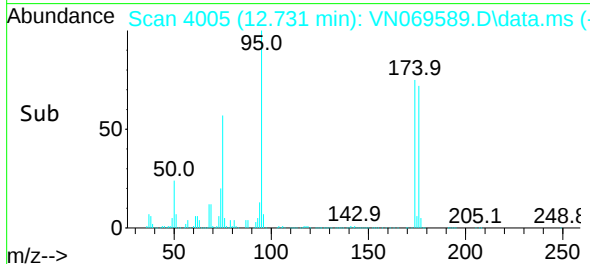
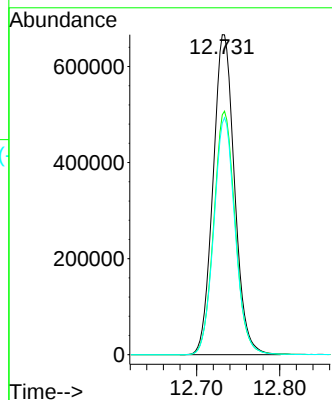
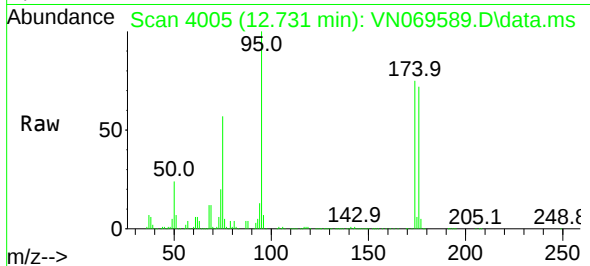




#62
4-Bromofluorobenzene
Concen: 50.374 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.003 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

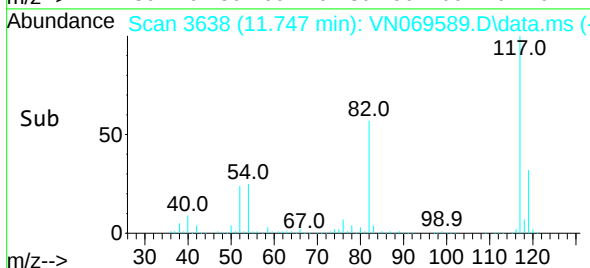
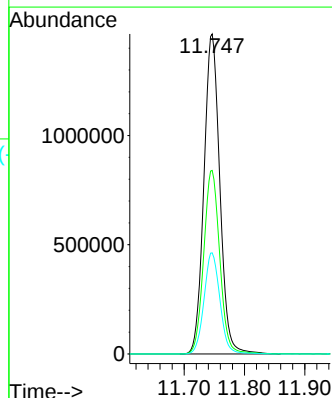
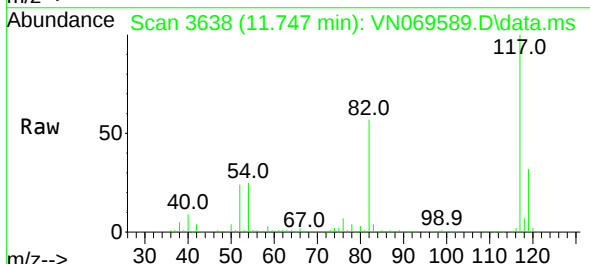
Instrument :
MSVOA_N
ClientSampleId :

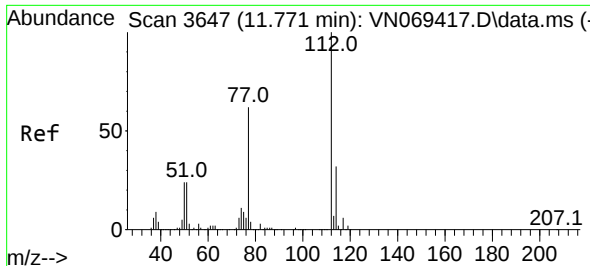
Tgt Ion: 95 Resp: 1199489
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

Tgt Ion: 117 Resp: 2686730
Ion Ratio Lower Upper
117 100
82 57.4 42.4 63.6
119 31.6 25.4 38.2

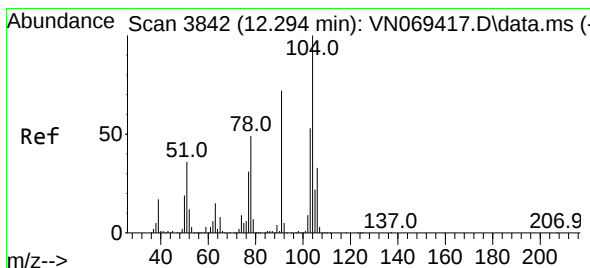
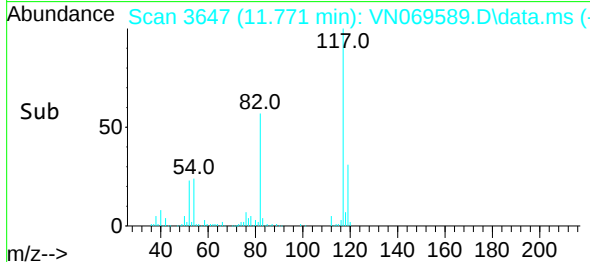
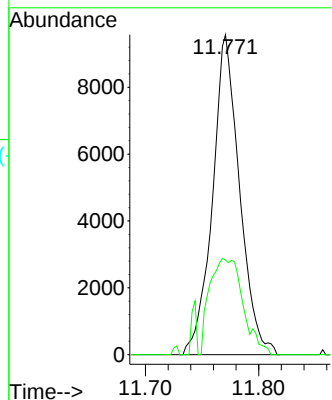
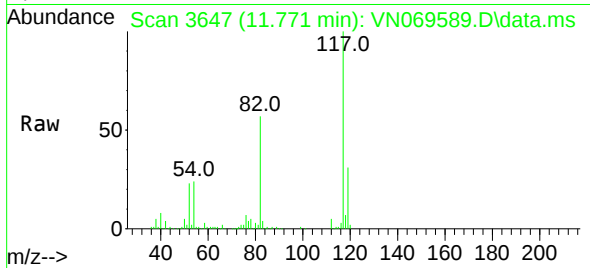




#65
Chlorobenzene
Concen: 0.317 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. -0.000 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

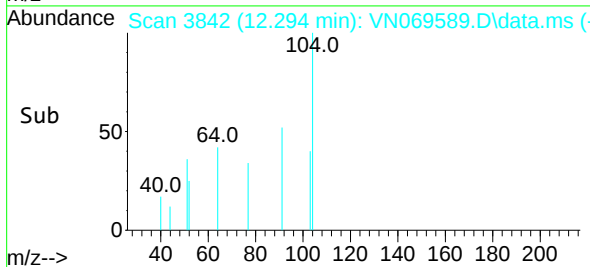
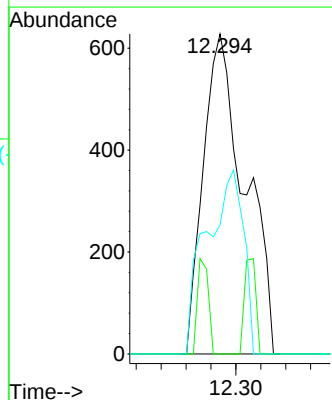
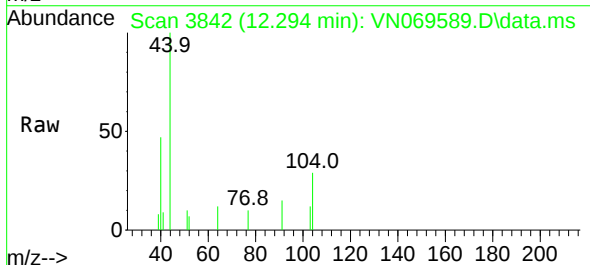
Instrument :
MSVOA_N
ClientSampleId :

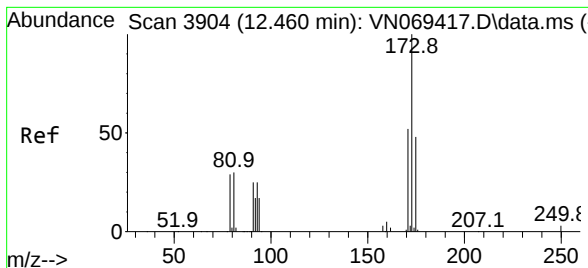
Tgt Ion:112 Resp: 15846
Ion Ratio Lower Upper
112 100
114 29.6 25.4 38.0



#70
Styrene
Concen: 1.532 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

Tgt Ion:104 Resp: 724
Ion Ratio Lower Upper
104 100
78 8.3 38.7 58.1#
103 51.8 45.0 67.6





#71

Bromoform

Concen: 3.430 ug/l

RT: 12.701 min Scan# 3904

Delta R.T. 0.241 min

Lab File: VN069589.D

Acq: 19 Nov 2021 16:57

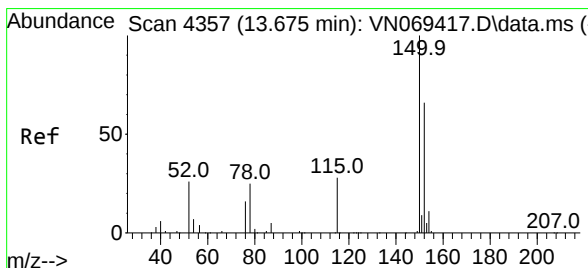
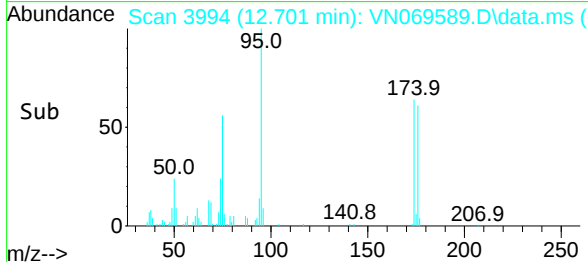
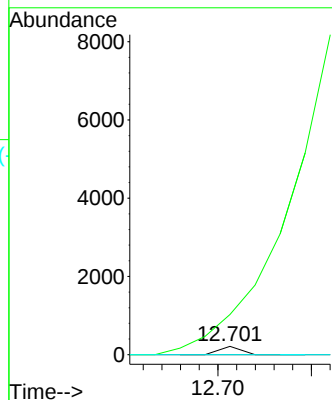
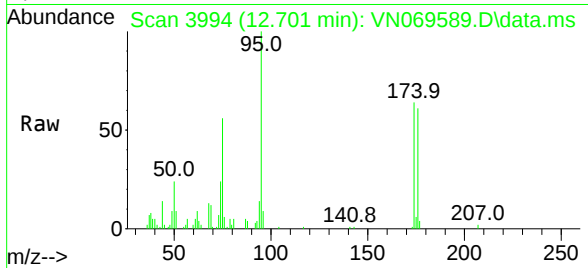
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 35

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

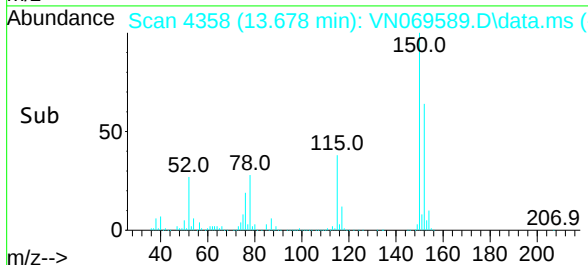
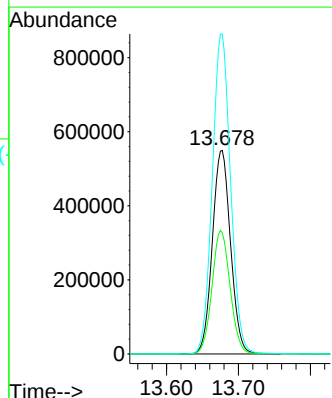
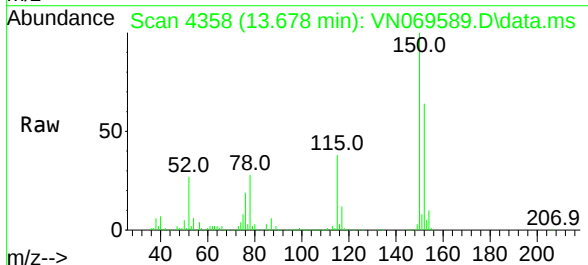
Delta R.T. 0.003 min

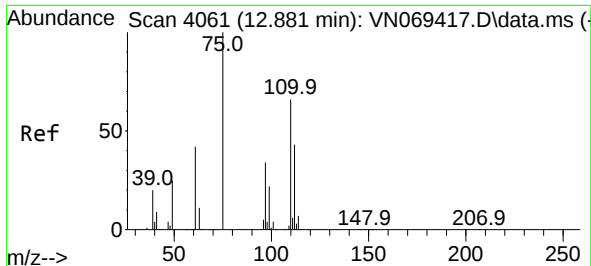
Lab File: VN069589.D

Acq: 19 Nov 2021 16:57

Tgt Ion:152 Resp: 967656

Ion	Ratio	Lower	Upper
152	100		
115	60.3	27.5	82.5
150	157.5	0.0	344.4

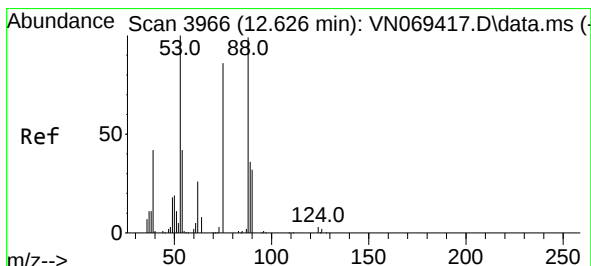
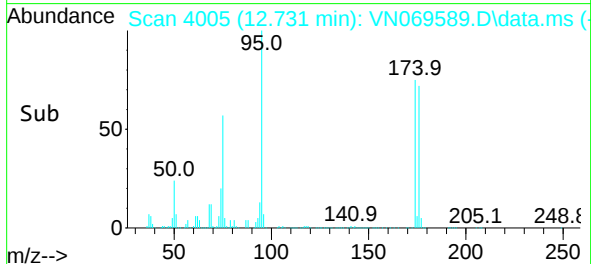
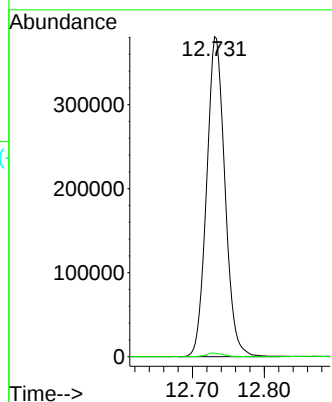
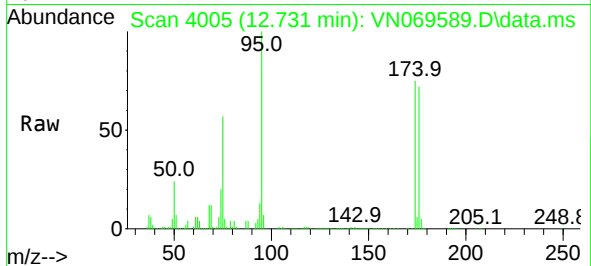




#76
1,2,3-Trichloropropane
Concen: 30.209 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

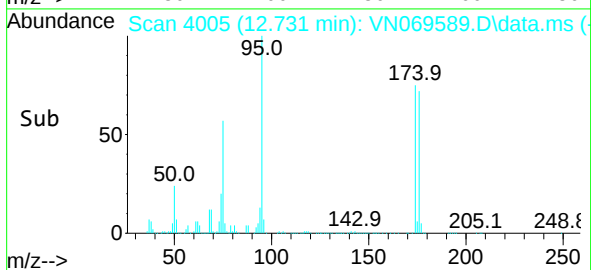
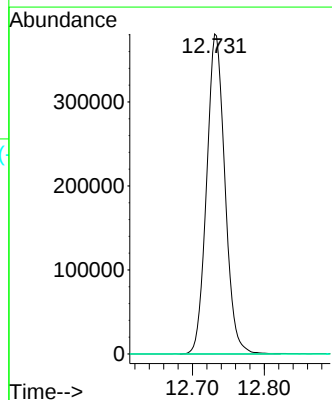
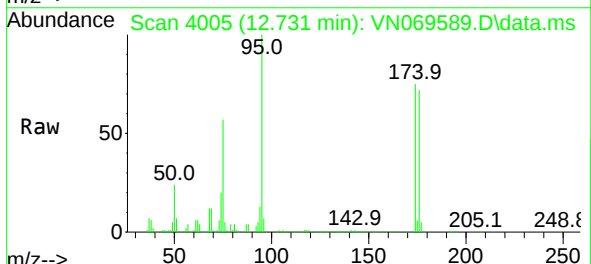
Instrument :
MSVOA_N
ClientSampleId :

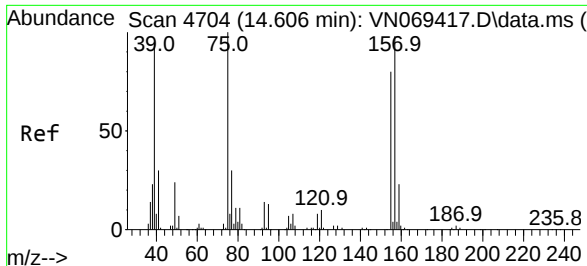
Tgt Ion: 75 Resp: 674611
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.302 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

Tgt Ion: 75 Resp: 674611
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.257 ug/l

RT: 14.592 min Scan# 4

Delta R.T. -0.014 min

Lab File: VN069589.D

Acq: 19 Nov 2021 16:57

Instrument :

MSVOA_N

ClientSampleId :

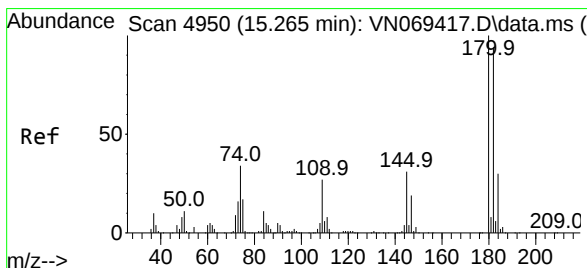
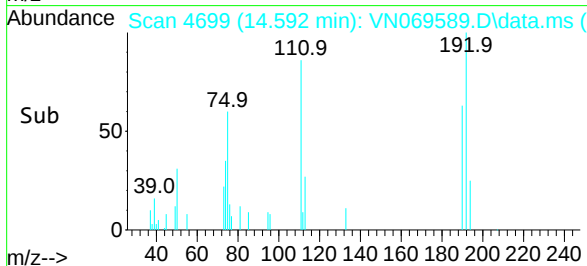
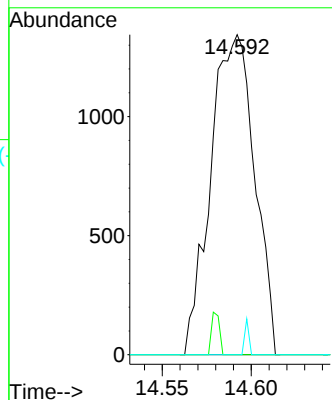
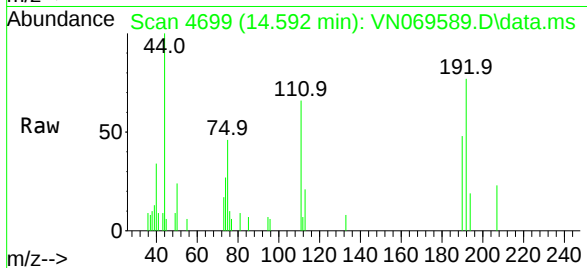
Tgt Ion: 75 Resp: 2307

Ion Ratio Lower Upper

75 100

155 2.4 46.9 140.7#

157 1.0 60.6 181.7#



#93

1,2,4-Trichlorobenzene

Concen: 3.240 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. 0.000 min

Lab File: VN069589.D

Acq: 19 Nov 2021 16:57

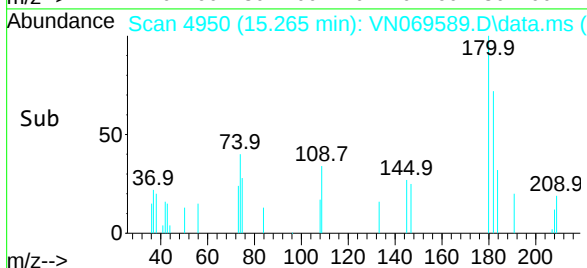
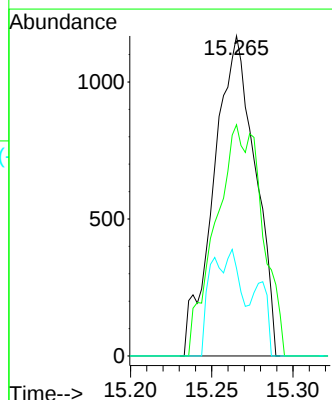
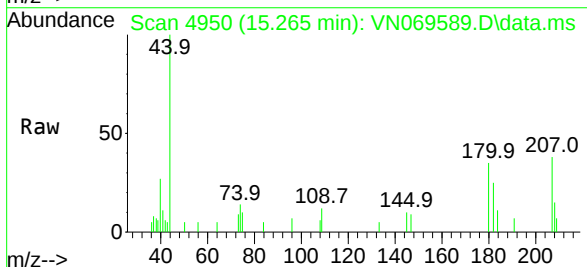
Tgt Ion:180 Resp: 2062

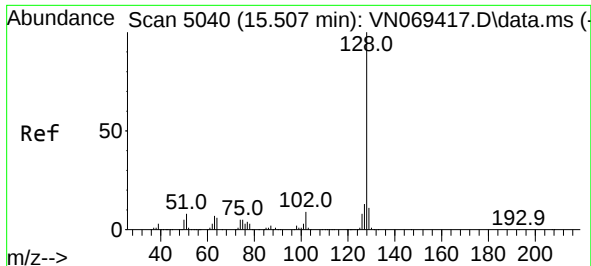
Ion Ratio Lower Upper

180 100

182 52.6 48.3 144.9

145 12.1 14.5 43.5#

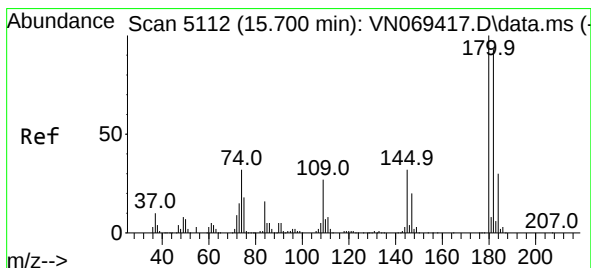
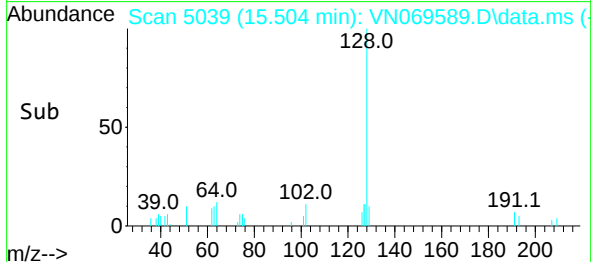
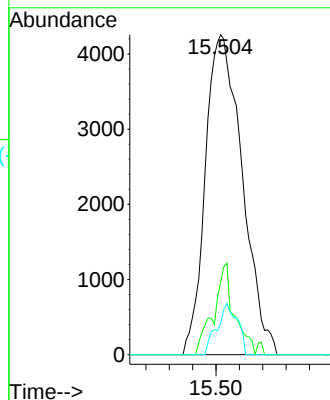
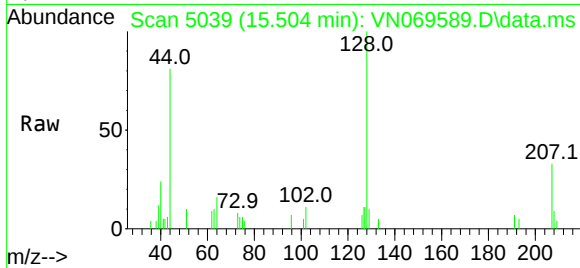




#95
Naphthalene
Concen: 4.649 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 9310
Ion Ratio Lower Upper
128 100
127 16.1 10.5 15.7#
129 8.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.307 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.003 min
Lab File: VN069589.D
Acq: 19 Nov 2021 16:57

Tgt Ion:180 Resp: 2136
Ion Ratio Lower Upper
180 100
182 108.5 47.4 142.2
145 34.8 15.0 45.1

