

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110921\
 Data File : VN069423.D
 Acq On : 9 Nov 2021 17:37
 Operator : JC/MD
 Sample : VN1109WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 16:16:05 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

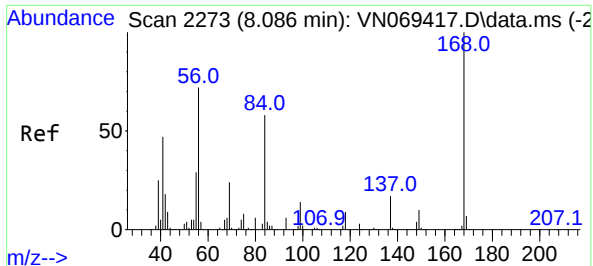
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	1246509	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	2218949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2176267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	807678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	941502	52.092	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.180%			
35) Dibromofluoromethane	8.024	113	655208	49.233	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.460%			
50) Toluene-d8	10.443	98	2846880	54.391	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.780%			
62) 4-Bromofluorobenzene	12.734	95	972338	50.568	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.140%			
Target Compounds						
					Qvalue	
13) Acrolein	4.047	56	822	Below Cal	#	31
16) Acetone	4.299	43	8839	0.906	ug/l	95
20) Methylene Chloride	5.098	84	4506	0.326	ug/l #	77
25) 2-Butanone	7.362	43	3302	0.250	ug/l #	48
31) Cyclohexane	8.086	56	34755	1.408	ug/l #	45
36) 1,1-Dichloropropene	8.086	75	111208	5.956	ug/l #	49
38) Carbon Tetrachloride	8.088	117	133298	7.395	ug/l #	16
49) 1,4-Dioxane	9.574	88	149	39.438	ug/l #	35
51) 4-Methyl-2-Pentanone	10.328	43	5959	0.228	ug/l #	79
53) t-1,3-Dichloropropene	10.714	75	289	2.649	ug/l	94
54) cis-1,3-Dichloropropene	10.188	75	90	1.736	ug/l #	32
56) Ethyl methacrylate	10.770	69	627	2.075	ug/l #	24
58) 2-Chloroethyl Vinyl ether	10.229	63	31	22.774	ug/l #	45
59) 2-Hexanone	11.098	43	11623	8.451	ug/l	87
60) Dibromochloromethane	11.248	129	58	2.421	ug/l #	11
61) 1,2-Dibromoethane	11.358	107	173	1.082	ug/l #	17
70) Styrene	12.296	104	1938	1.559	ug/l #	47
74) N-amyl acetate	12.393	43	5612	0.206	ug/l #	70
76) 1,2,3-Trichloropropane	12.734	75	560158	30.052	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	560158	84.889	ug/l #	5
90) Hexachloroethane	13.970	117	25	2.165	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.614	75	534	1.925	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.268	180	4884	3.474	ug/l #	92
95) Naphthalene	15.507	128	23452	5.047	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.708	180	6114	3.641	ug/l	87

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

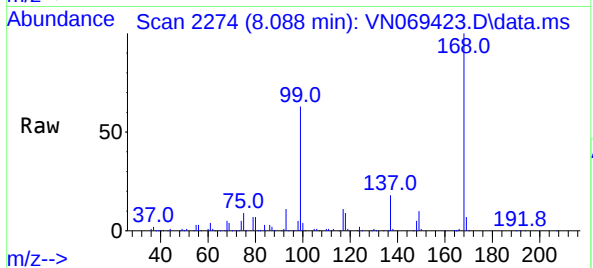
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 09 18:18:22 2021
Response via : Initial Calibration



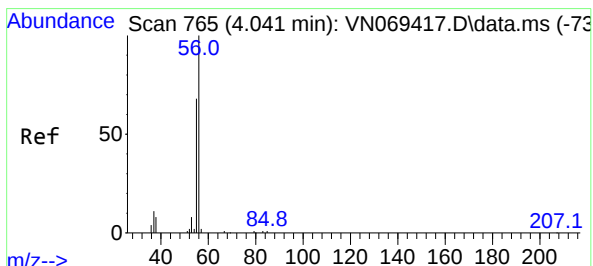
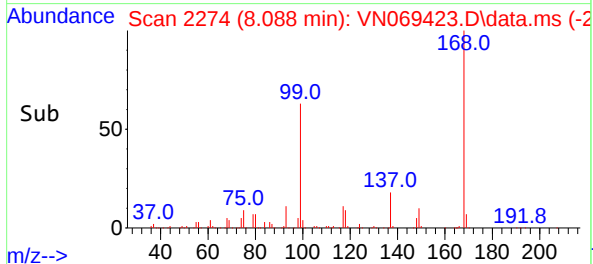
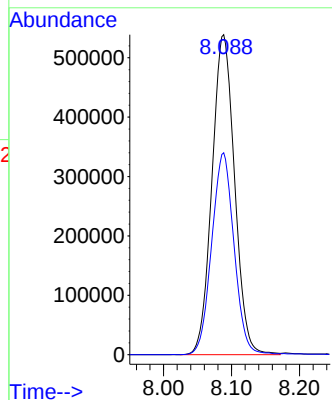


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

Instrument :
MSVOA_N
ClientSampleId :

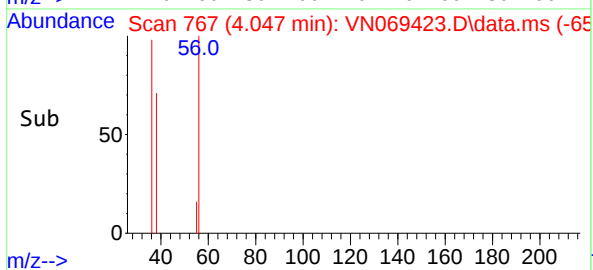
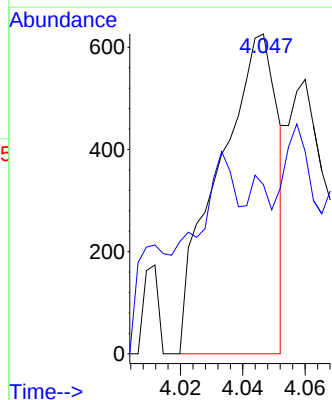
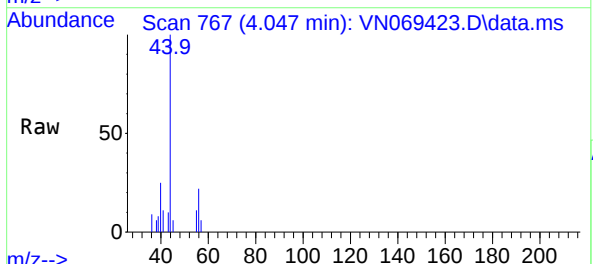


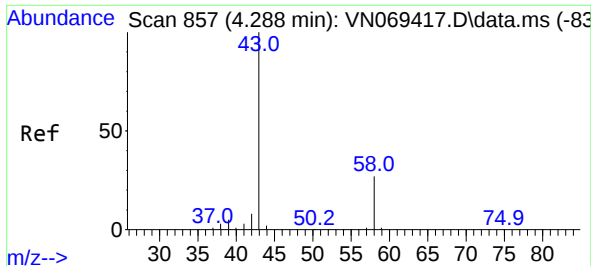
Tgt Ion:168 Resp: 1246509
Ion Ratio Lower Upper
168 100
99 63.1 41.3 61.9#



#13
Acrolein
Concen: Below Cal
RT: 4.047 min Scan# 767
Delta R.T. 0.006 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

Tgt Ion: 56 Resp: 822
Ion Ratio Lower Upper
56 100
55 13.9 56.6 85.0#

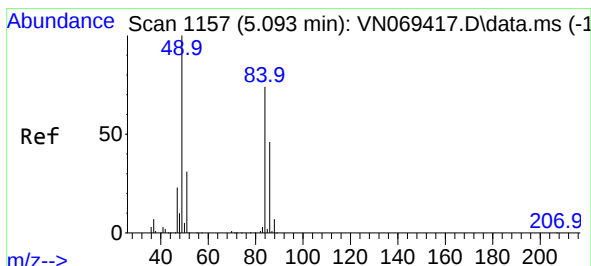
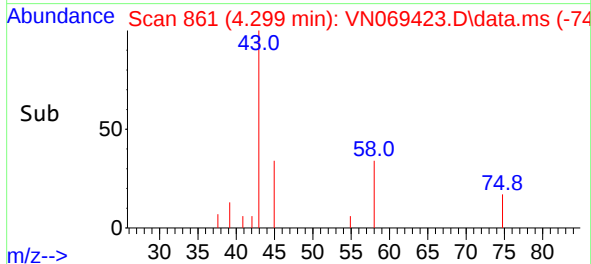
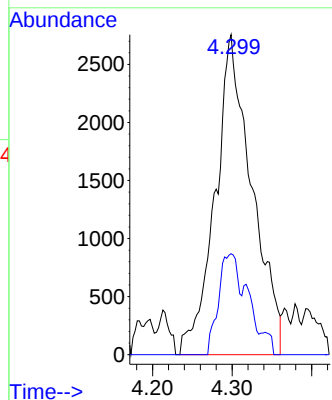
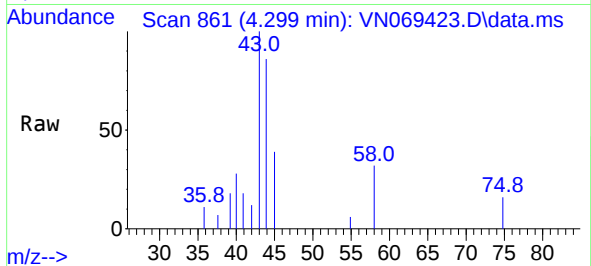




#16
Acetone
Concen: 0.906 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

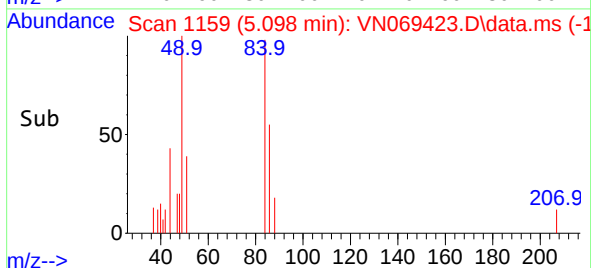
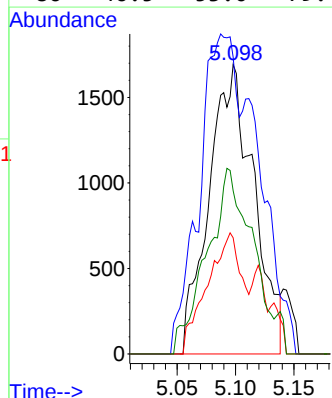
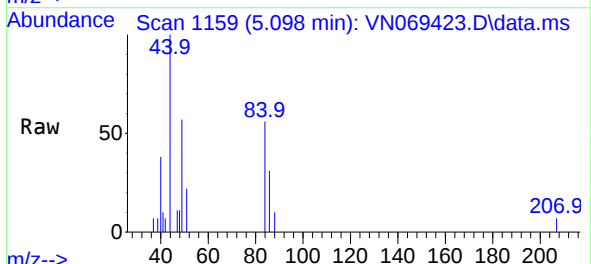
Instrument :
MSVOA_N
ClientSampleId :

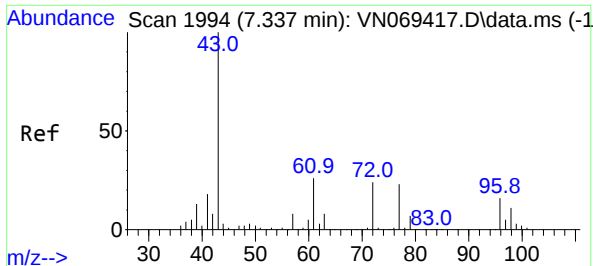
Tgt Ion: 43 Resp: 8839
Ion Ratio Lower Upper
43 100
58 31.5 23.1 34.7



#20
Methylene Chloride
Concen: 0.326 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

Tgt Ion: 84 Resp: 4506
Ion Ratio Lower Upper
84 100
49 86.6 93.5 140.3#
51 40.1 29.4 44.2
86 46.5 53.0 79.4#

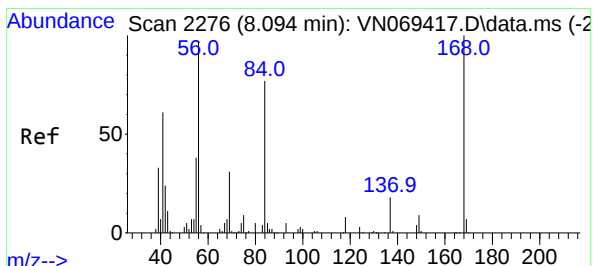
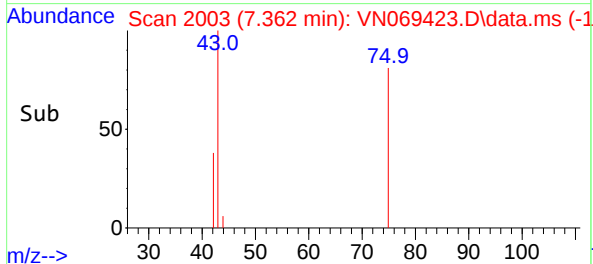
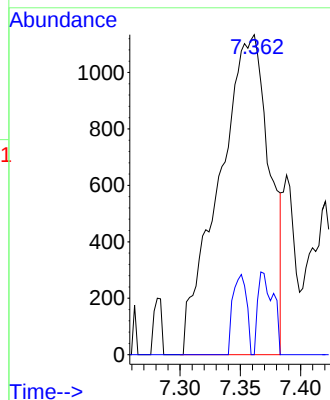
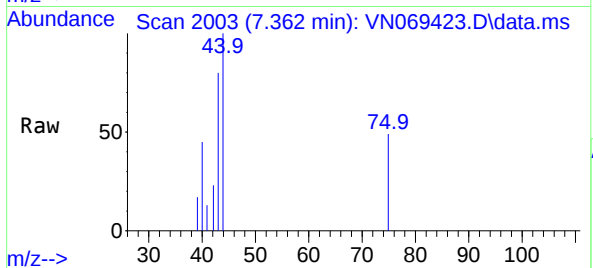




#25
2-Butanone
Concen: 0.250 ug/l
RT: 7.362 min Scan# 20
Delta R.T. 0.025 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

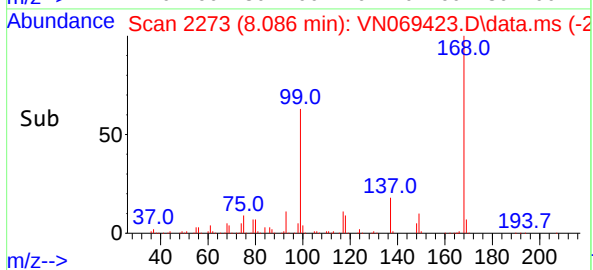
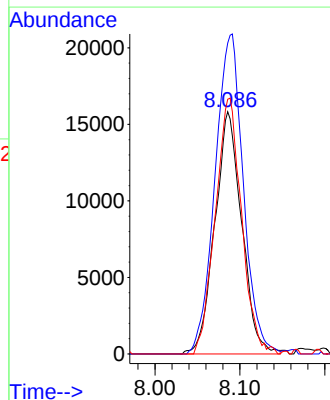
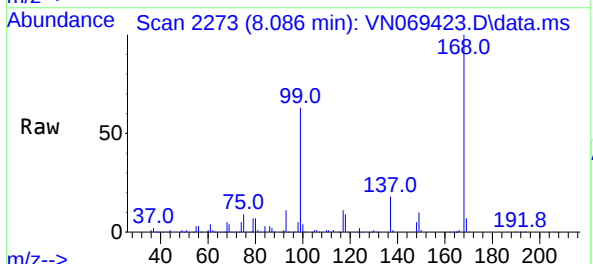
Instrument :
MSVOA_N
ClientSampleId :

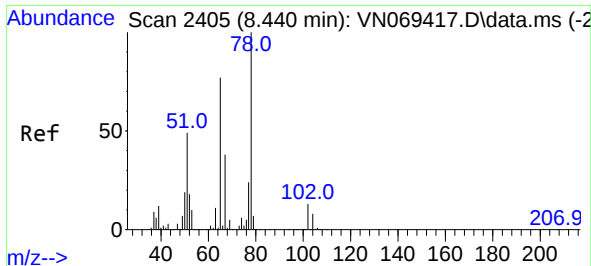
Tgt Ion: 43 Resp: 3302
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 1.408 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

Tgt Ion: 56 Resp: 34755
Ion Ratio Lower Upper
56 100
69 128.4 27.1 40.7#
84 105.2 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 52.092 ug/l

RT: 8.440 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN069423.D

Acq: 9 Nov 2021 17:37

Instrument :

MSVOA_N

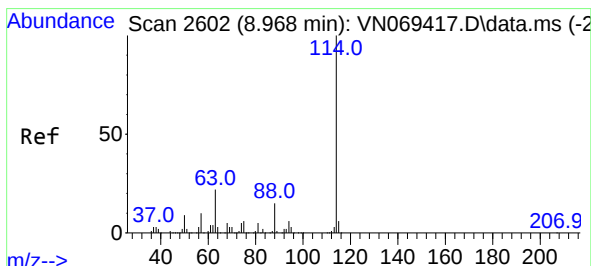
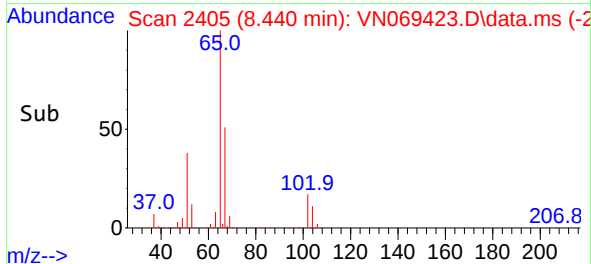
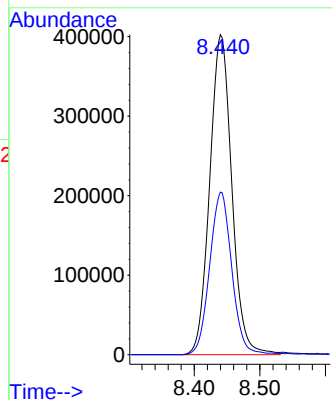
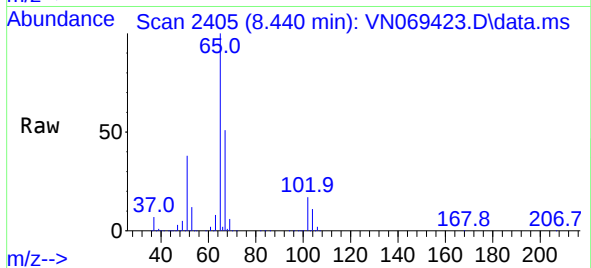
ClientSampleId :

Tgt Ion: 65 Resp: 941502

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN069423.D

Acq: 9 Nov 2021 17:37

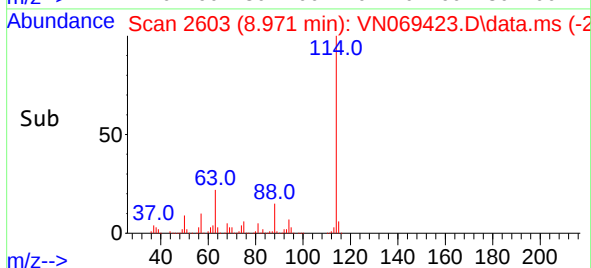
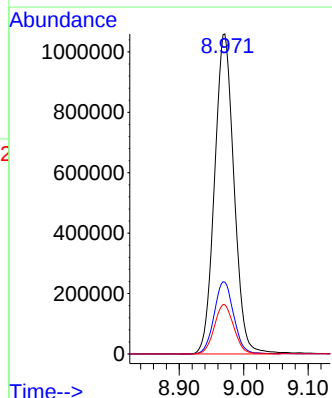
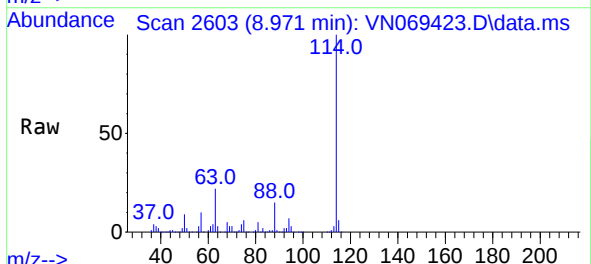
Tgt Ion: 114 Resp: 2218949

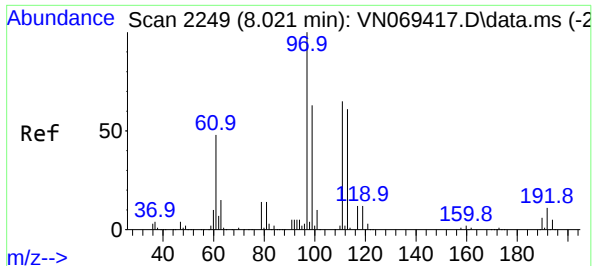
Ion Ratio Lower Upper

114 100

63 22.5 0.0 37.8

88 15.4 0.0 27.4





#35

Dibromofluoromethane

Concen: 49.233 ug/l

RT: 8.024 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN069423.D

Acq: 9 Nov 2021 17:37

Instrument :

MSVOA_N

ClientSampleId :

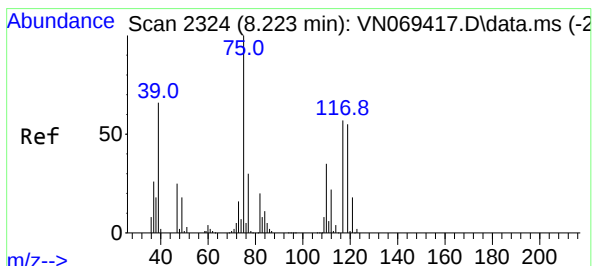
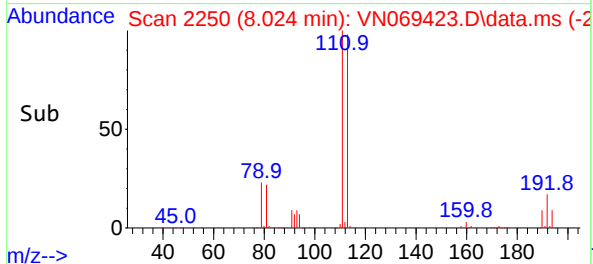
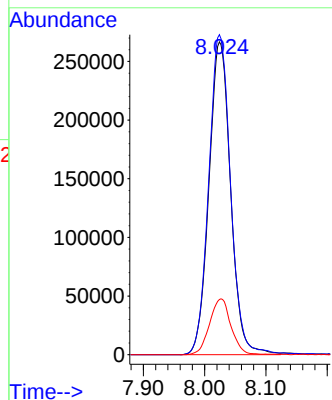
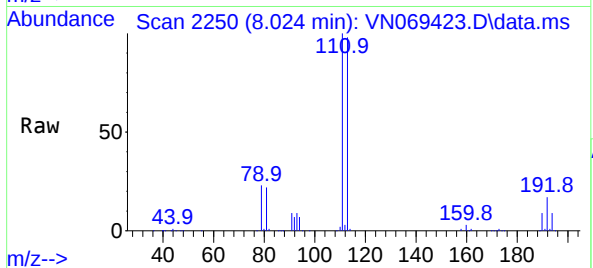
Tgt Ion:113 Resp: 655208

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

192 17.6 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: VN069423.D

Acq: 9 Nov 2021 17:37

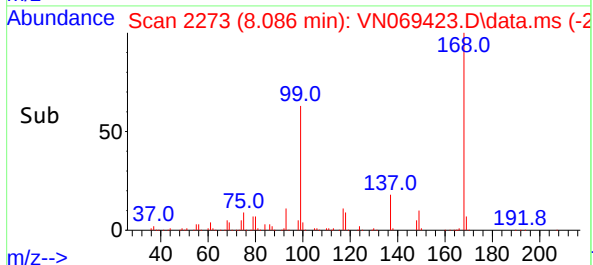
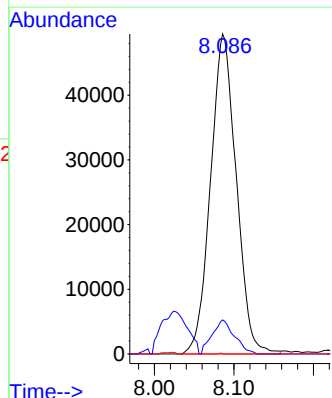
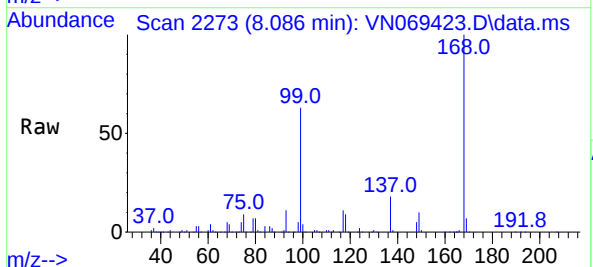
Tgt Ion: 75 Resp: 111208

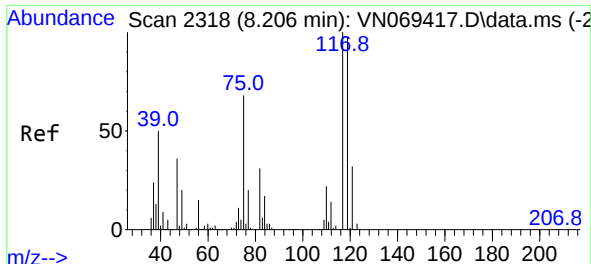
Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.2#

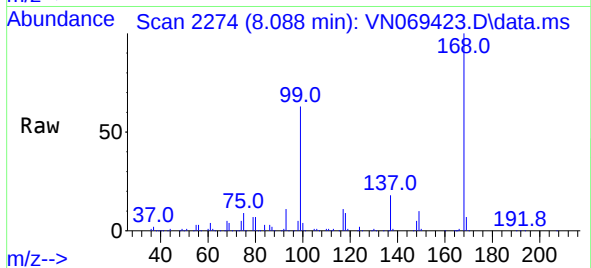
77 0.0 24.4 36.6#



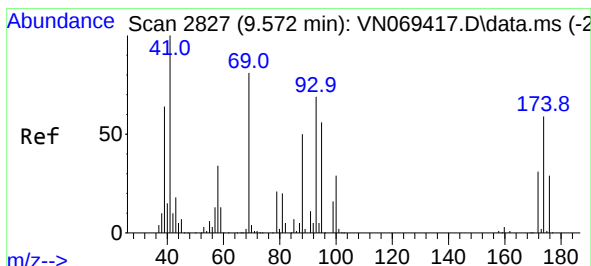
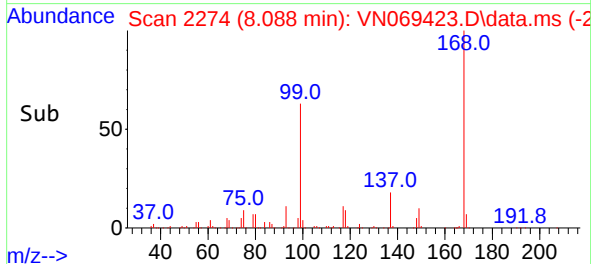
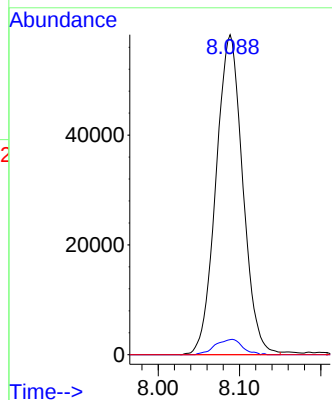


#38
Carbon Tetrachloride
Concen: 7.395 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

Instrument :
MSVOA_N
ClientSampleId :

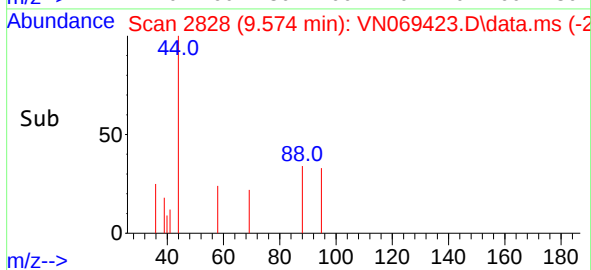
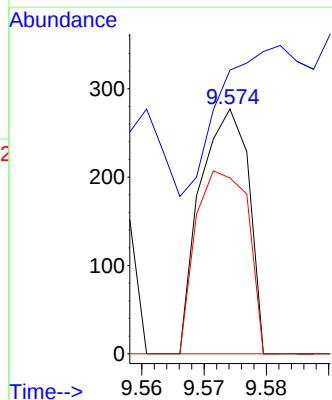
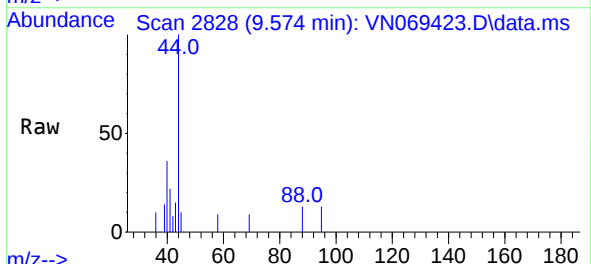


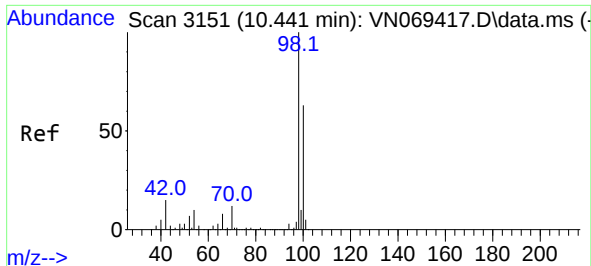
Tgt Ion:117 Resp: 133298
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 39.438 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.002 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

Tgt Ion: 88 Resp: 149
Ion Ratio Lower Upper
88 100
43 112.8 23.4 35.2#
58 80.5 50.6 75.8#

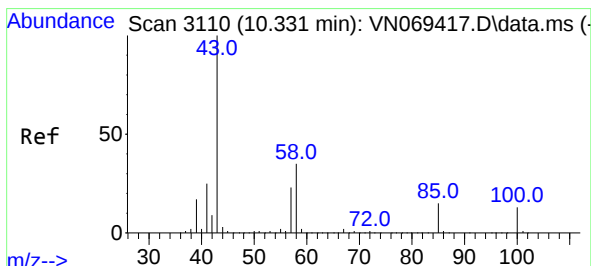
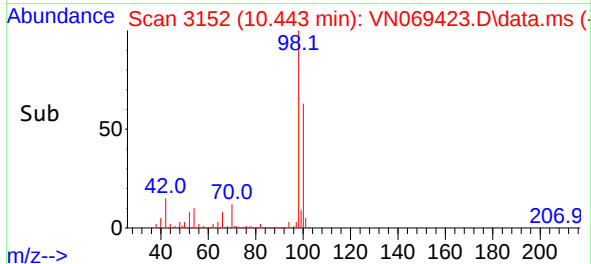
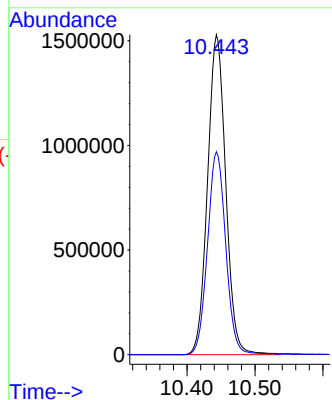
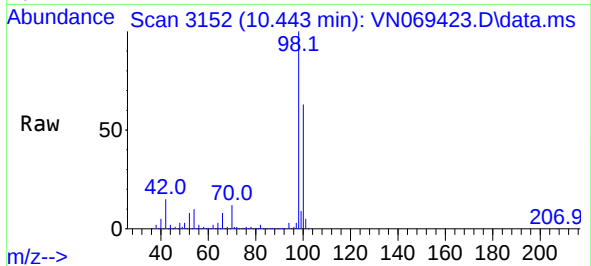




#50
Toluene-d8
Concen: 54.391 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

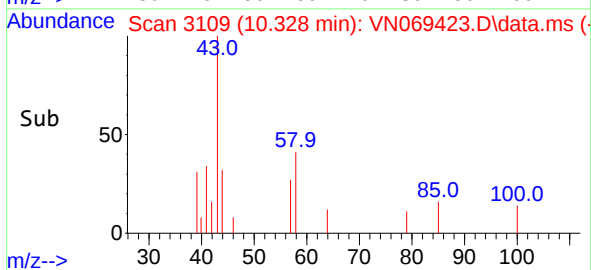
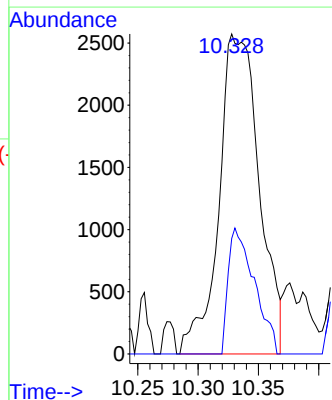
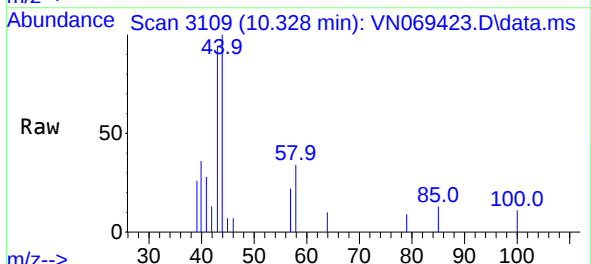
Instrument :
MSVOA_N
ClientSampleId :

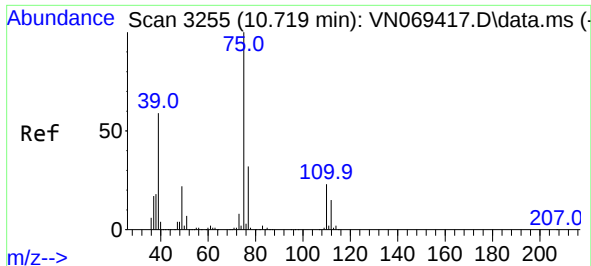
Tgt Ion: 98 Resp: 2846880
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.228 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.003 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

Tgt Ion: 43 Resp: 5959
Ion Ratio Lower Upper
43 100
58 25.5 30.4 45.6#

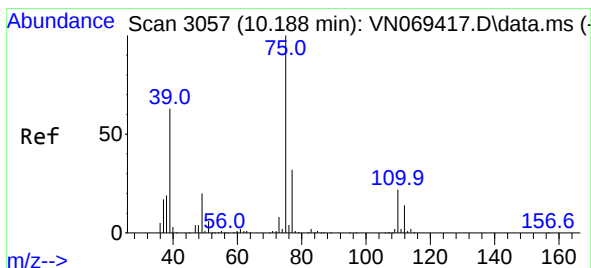
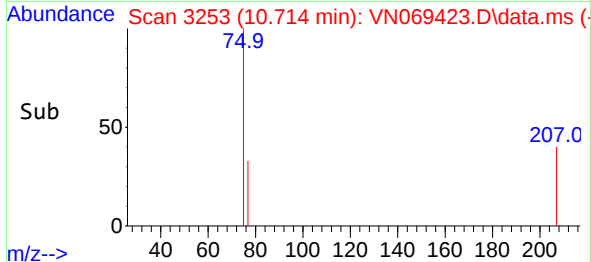
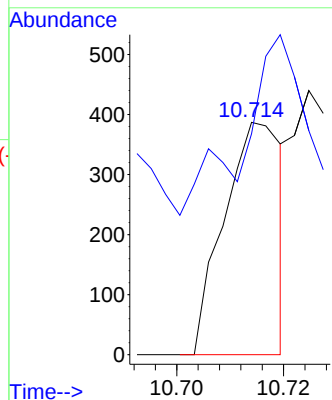
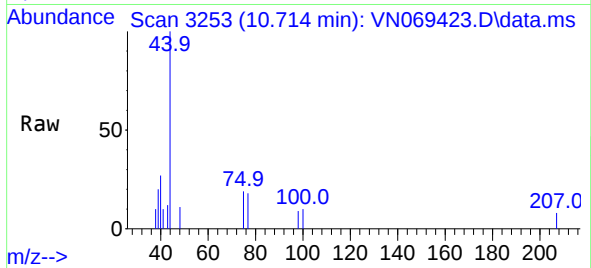




#53
t-1,3-Dichloropropene
Concen: 2.649 ug/l
RT: 10.714 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

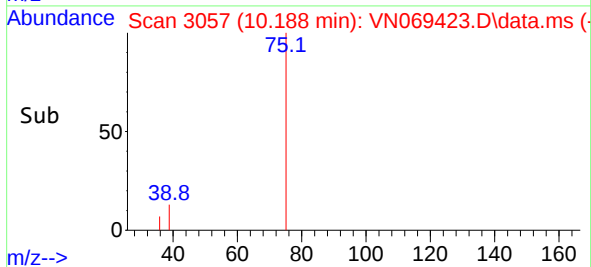
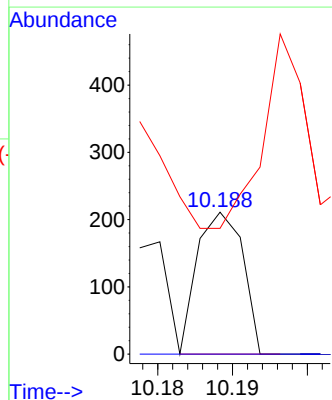
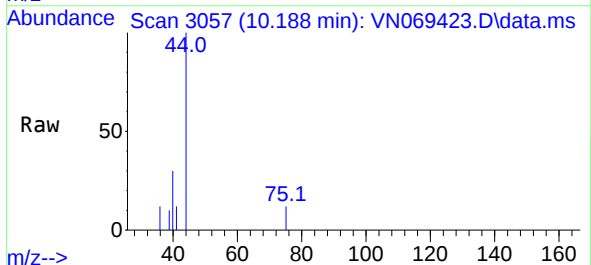
Instrument :
MSVOA_N
ClientSampleId :

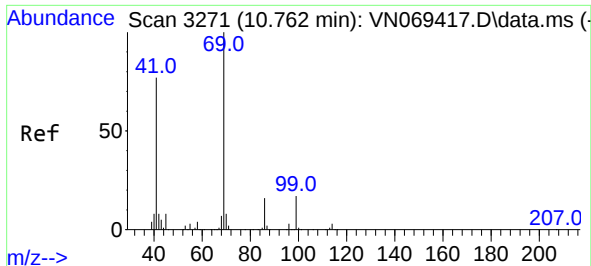
Tgt Ion: 75 Resp: 289
Ion Ratio Lower Upper
75 100
77 35.1 25.6 38.4



#54
cis-1,3-Dichloropropene
Concen: 1.736 ug/l
RT: 10.188 min Scan# 3057
Delta R.T. 0.000 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

Tgt Ion: 75 Resp: 90
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 0.0 42.5 63.7#

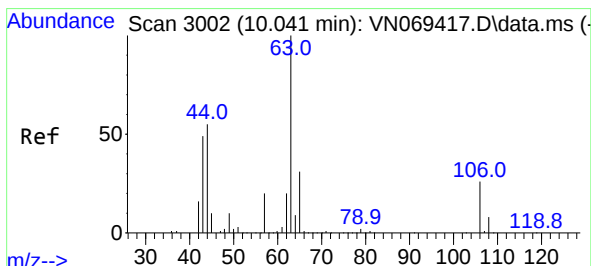
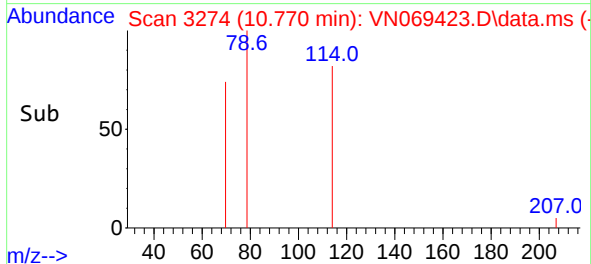
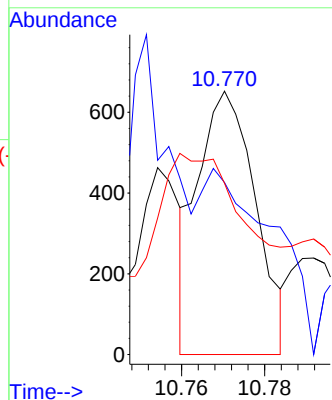
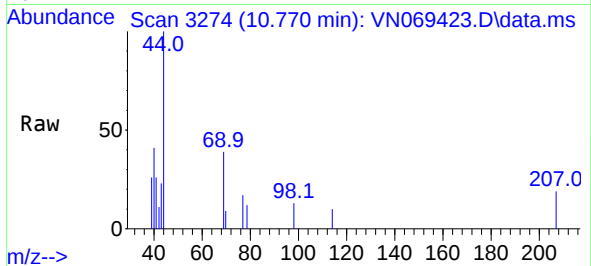




#56
Ethyl methacrylate
Concen: 2.075 ug/l
RT: 10.770 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

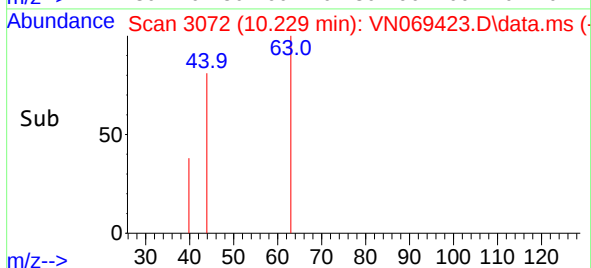
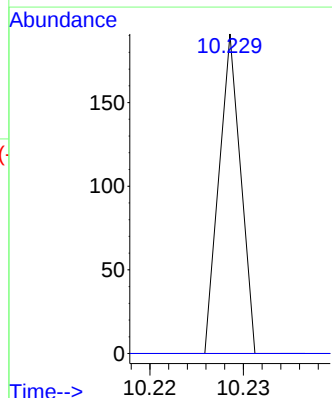
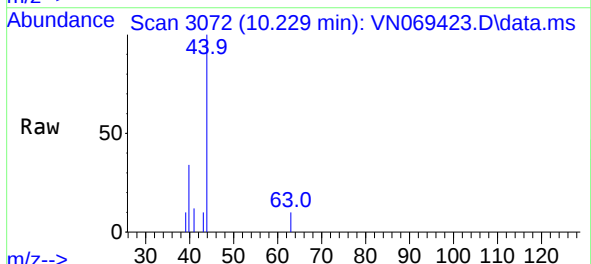
Instrument :
MSVOA_N
ClientSampleId :

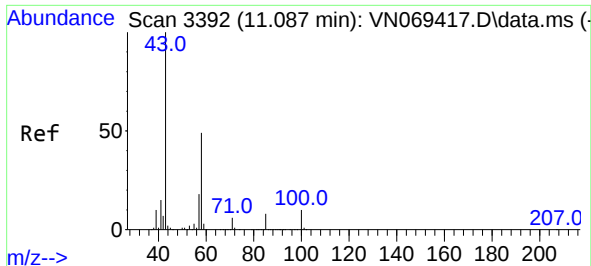
Tgt Ion: 69 Resp: 627
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 22.774 ug/l
RT: 10.229 min Scan# 3072
Delta R.T. 0.188 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

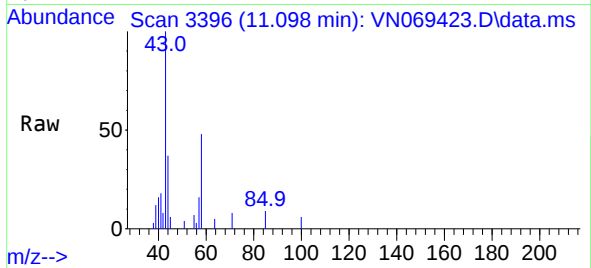
Tgt Ion: 63 Resp: 31
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



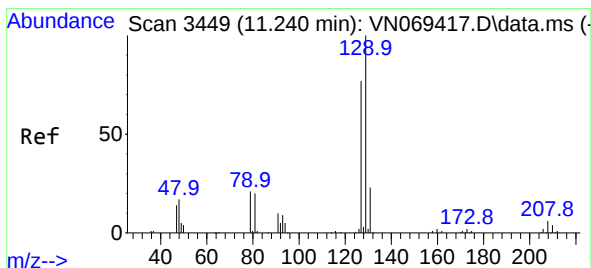
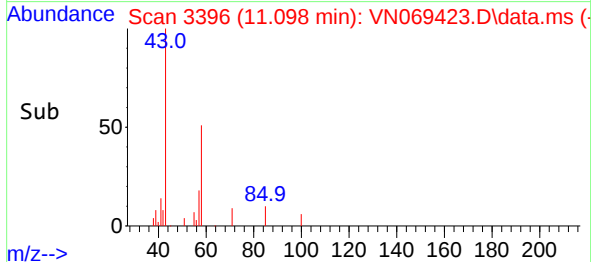
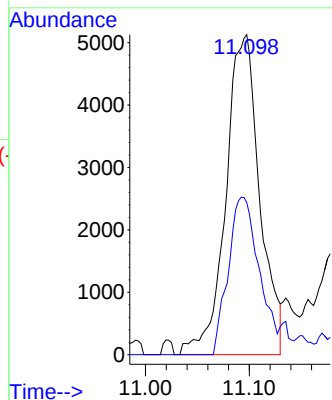


#59
2-Hexanone
Concen: 8.451 ug/l
RT: 11.098 min Scan# 311
Delta R.T. 0.011 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

Instrument :
MSVOA_N
ClientSampleId :

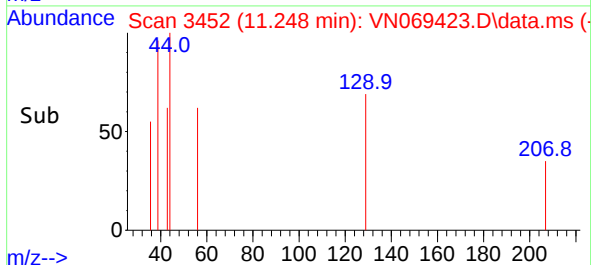
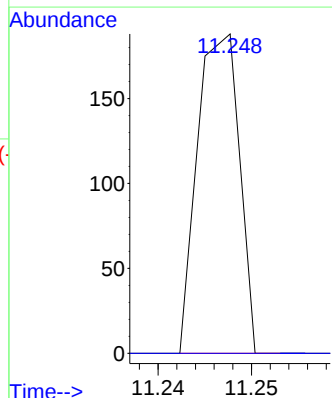
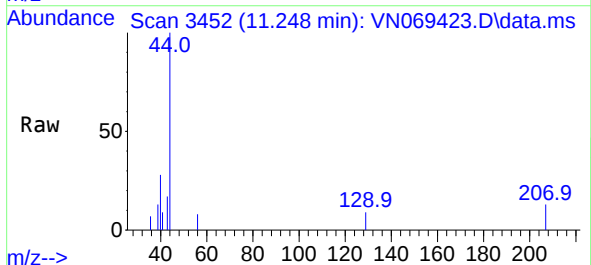


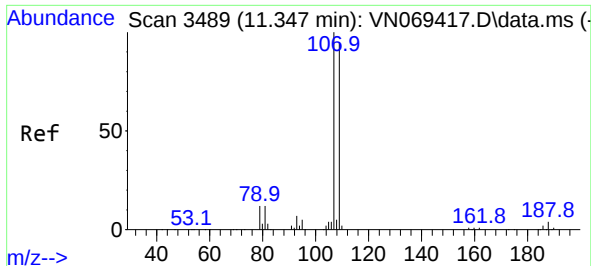
Tgt Ion: 43 Resp: 11623
Ion Ratio Lower Upper
43 100
58 44.8 26.9 80.7



#60
Dibromochloromethane
Concen: 2.421 ug/l
RT: 11.248 min Scan# 3452
Delta R.T. 0.008 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

Tgt Ion: 129 Resp: 58
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#





#61

1,2-Dibromoethane

Concen: 1.082 ug/l

RT: 11.358 min Scan# 34

Delta R.T. 0.011 min

Lab File: VN069423.D

Acq: 9 Nov 2021 17:37

Instrument :

MSVOA_N

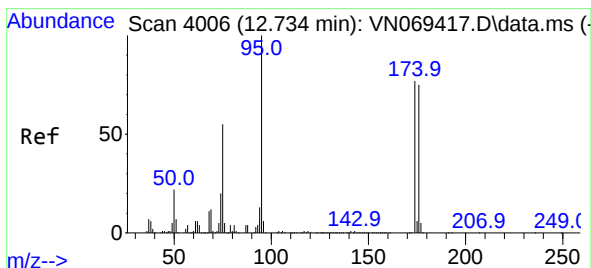
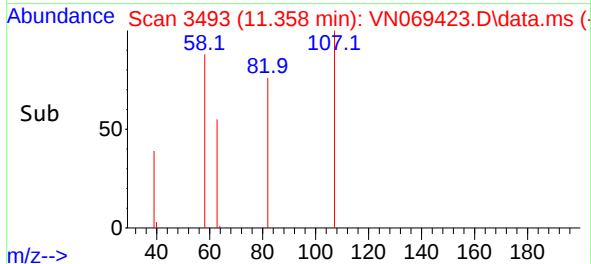
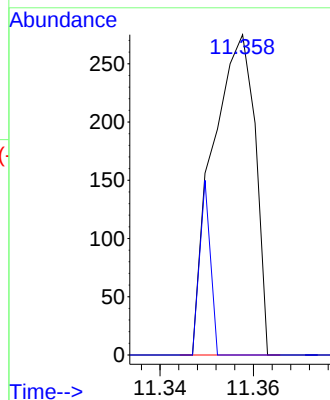
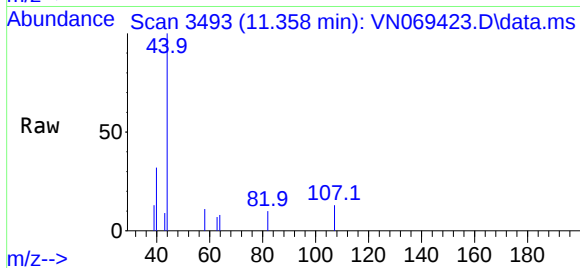
ClientSampleId :

Tgt Ion:107 Resp: 173

Ion Ratio Lower Upper

107 100

109 13.9 75.7 113.5#



#62

4-Bromofluorobenzene

Concen: 50.568 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. -0.000 min

Lab File: VN069423.D

Acq: 9 Nov 2021 17:37

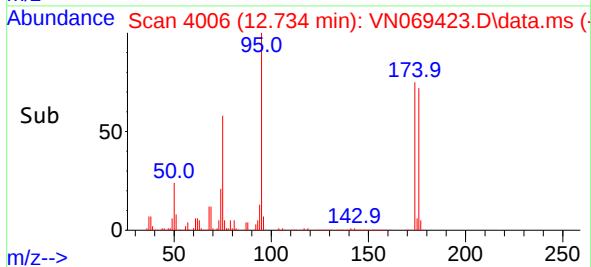
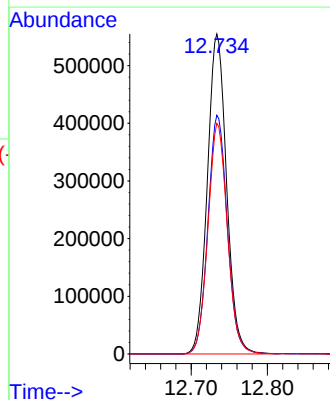
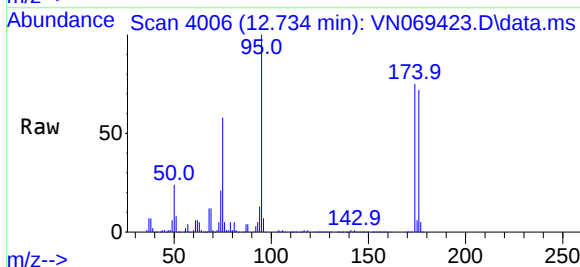
Tgt Ion: 95 Resp: 972338

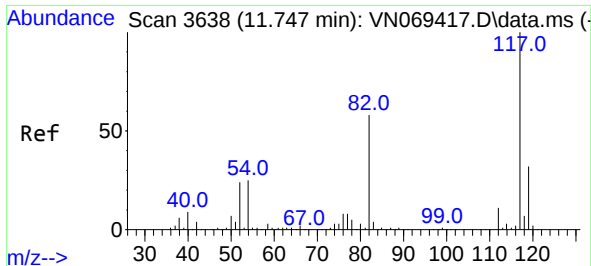
Ion Ratio Lower Upper

95 100

174 75.2 0.0 187.2

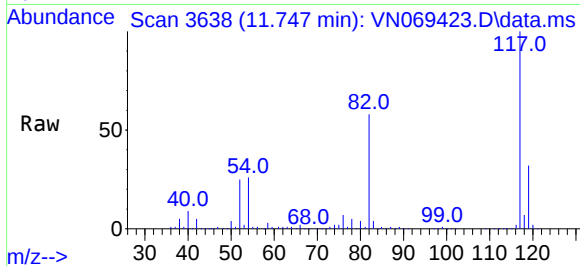
176 72.7 0.0 181.4



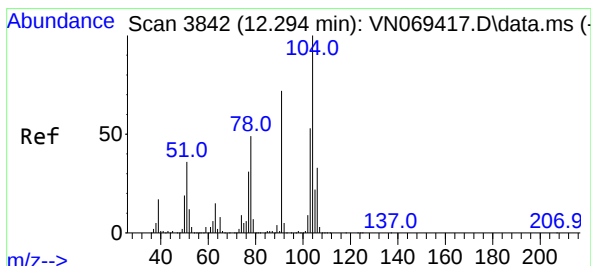
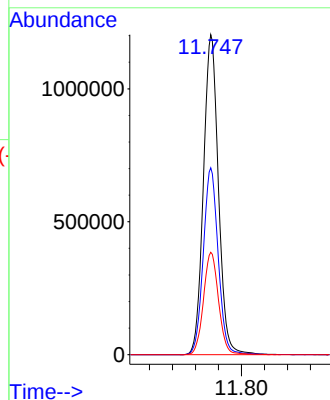
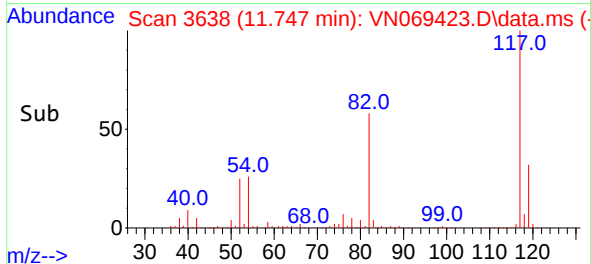


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

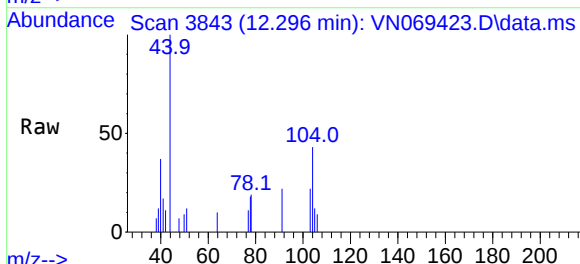
Instrument :
MSVOA_N
ClientSampleId :



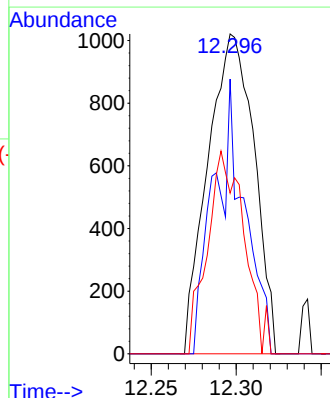
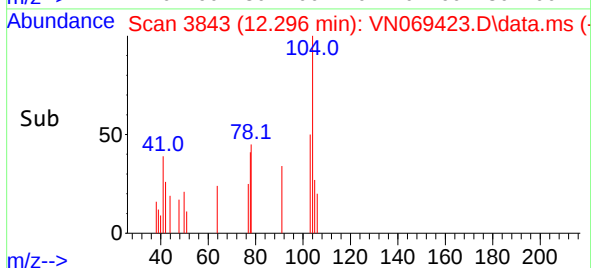
Tgt Ion:117 Resp: 2176267
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 32.0 25.4 38.2

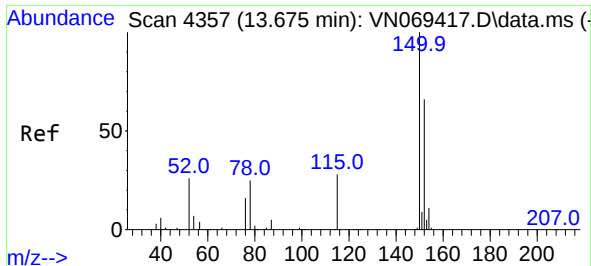


#70
Styrene
Concen: 1.559 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.002 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37



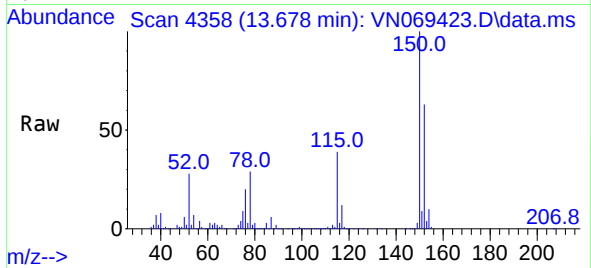
Tgt Ion:104 Resp: 1938
Ion Ratio Lower Upper
104 100
78 31.3 38.7 58.1#
103 0.0 45.0 67.6#



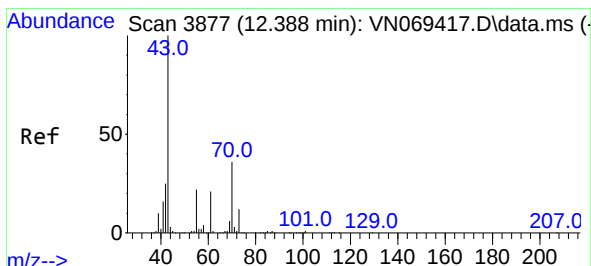
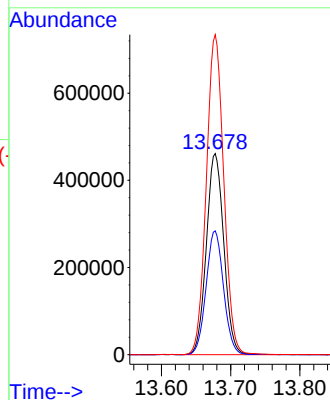
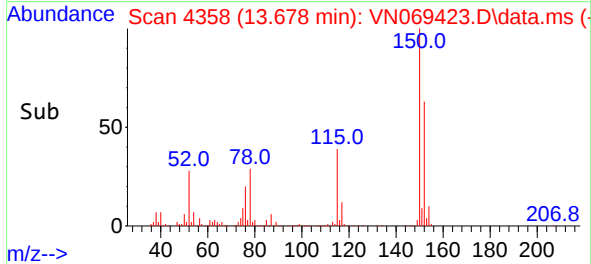


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

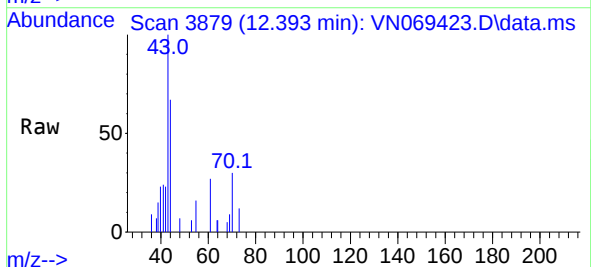
Instrument :
MSVOA_N
ClientSampleId :



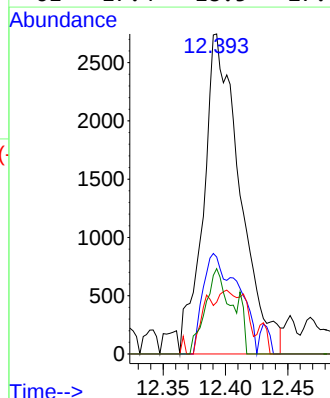
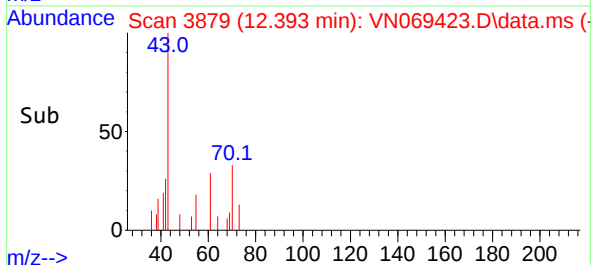
Tgt Ion:152 Resp: 807678
Ion Ratio Lower Upper
152 100
115 61.6 27.5 82.5
150 158.6 0.0 344.4

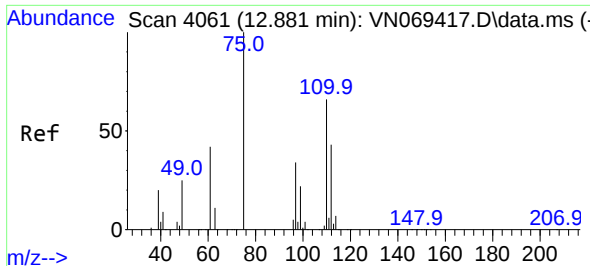


#74
N-ethyl acetate
Concen: 0.206 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.005 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37



Tgt Ion: 43 Resp: 5612
Ion Ratio Lower Upper
43 100
70 18.4 33.4 50.0#
55 6.3 19.3 28.9#
61 17.4 18.5 27.7#

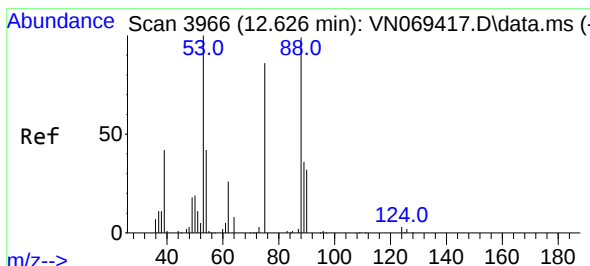
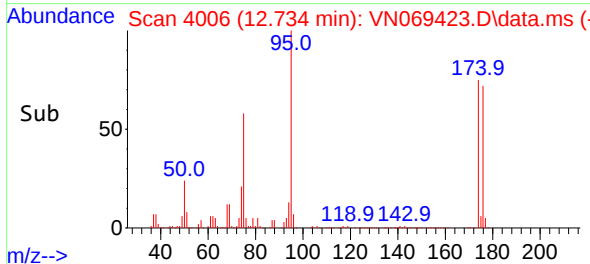
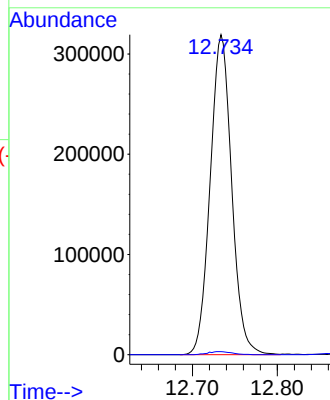
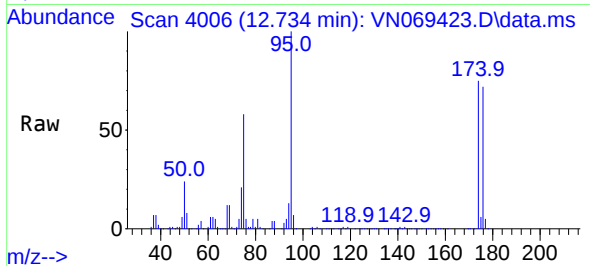




#76
1,2,3-Trichloropropane
Concen: 30.052 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

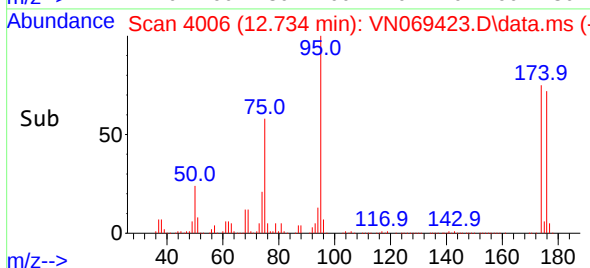
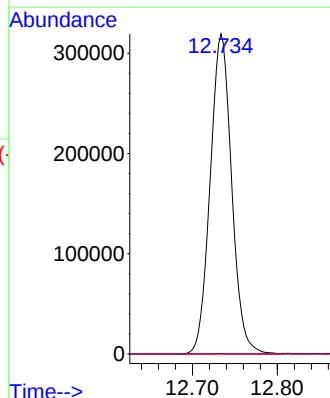
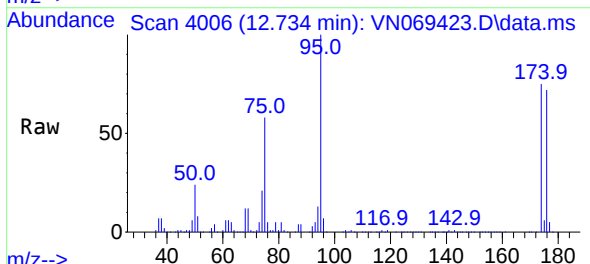
Instrument :
MSVOA_N
ClientSampleId :

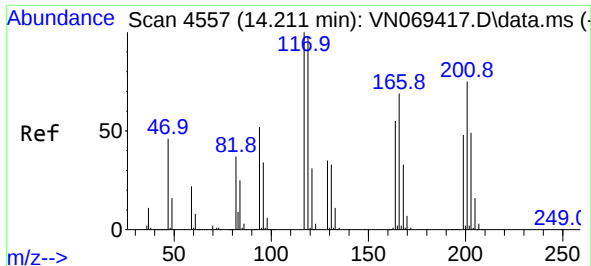
Tgt Ion: 75 Resp: 560158
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.889 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

Tgt Ion: 75 Resp: 560158
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

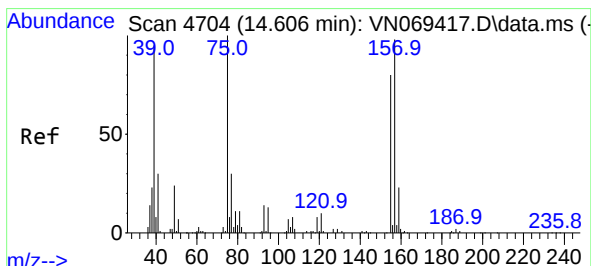
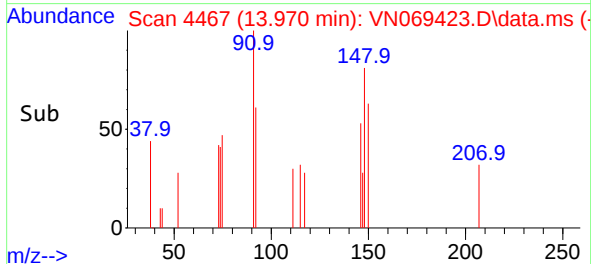
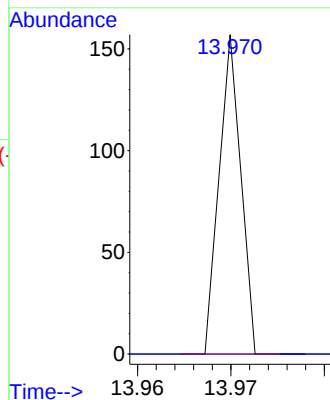
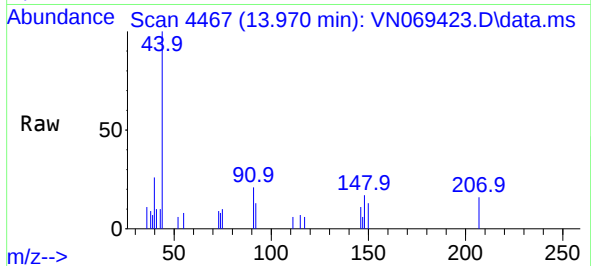




#90
Hexachloroethane
Concen: 2.165 ug/l
RT: 13.970 min Scan# 4467
Delta R.T. -0.241 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

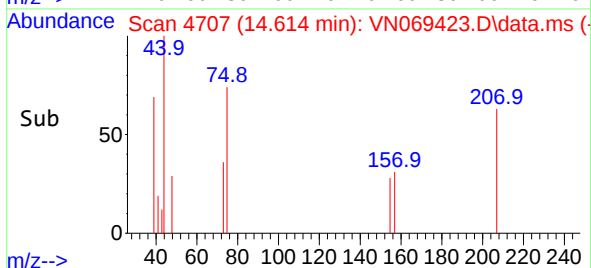
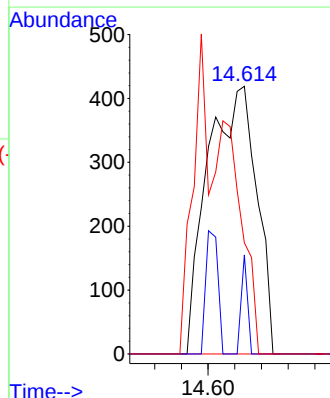
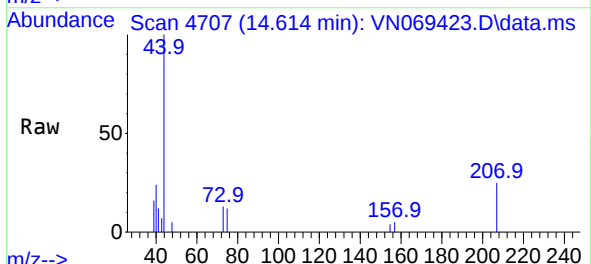
Instrument :
MSVOA_N
ClientSampleId :

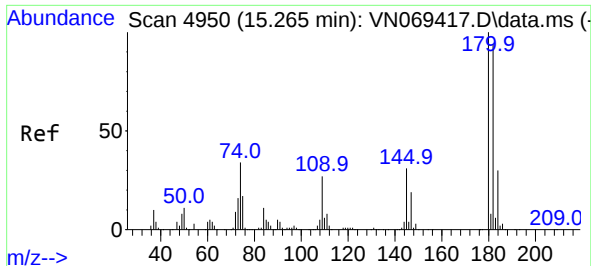
Tgt Ion:117 Resp: 25
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.925 ug/l
RT: 14.614 min Scan# 4707
Delta R.T. 0.008 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

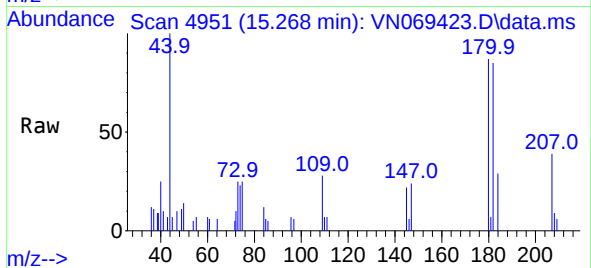
Tgt Ion: 75 Resp: 534
Ion Ratio Lower Upper
75 100
155 4.7 46.9 140.7#
157 39.1 60.6 181.7#



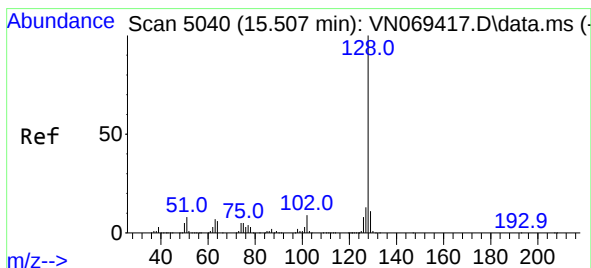
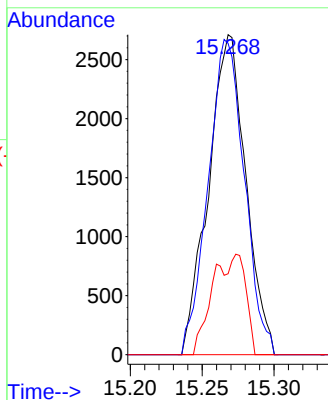
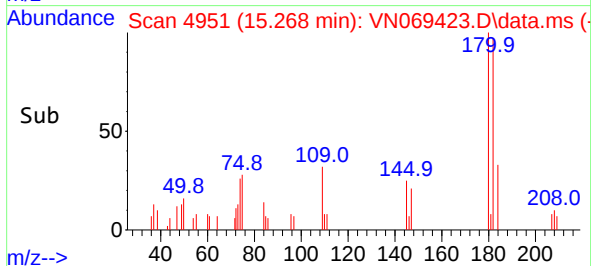


#93
1,2,4-Trichlorobenzene
Concen: 3.474 ug/l
RT: 15.268 min Scan# 4950
Delta R.T. 0.003 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37

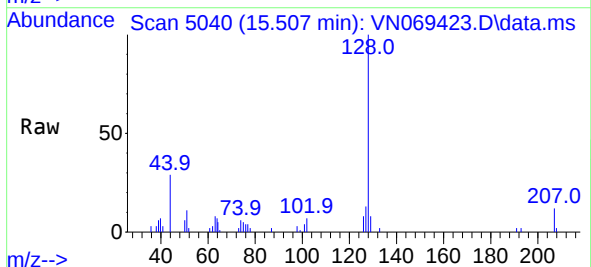
Instrument :
MSVOA_N
ClientSampleId :



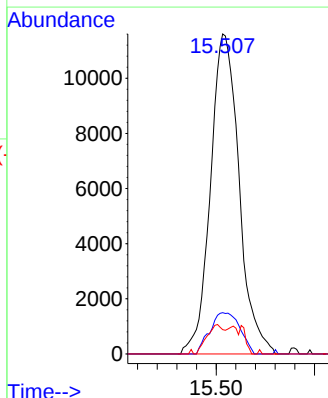
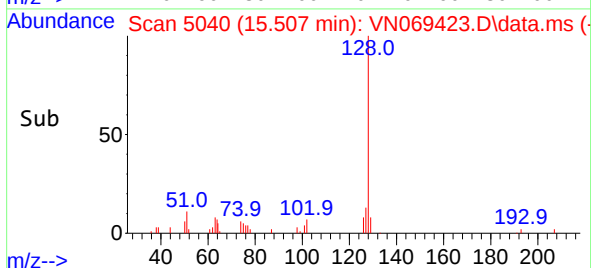
Tgt Ion:180 Resp: 4884
Ion Ratio Lower Upper
180 100
182 95.8 48.3 144.9
145 12.9 14.5 43.5#

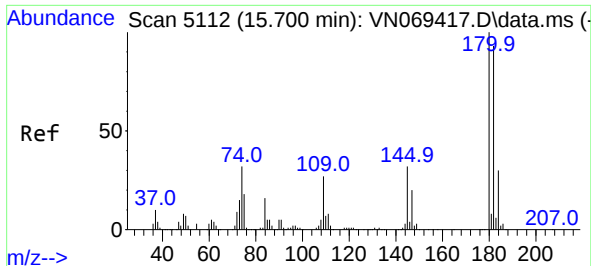


#95
Naphthalene
Concen: 5.047 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069423.D
Acq: 9 Nov 2021 17:37



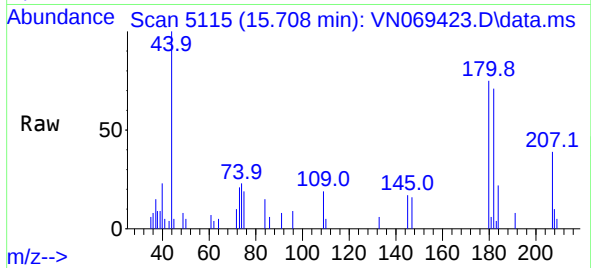
Tgt Ion:128 Resp: 23452
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 5.6 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.641 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.008 min
 Lab File: VN069423.D
 Acq: 9 Nov 2021 17:37

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	6114
Ion	Ratio	Lower	Upper
180	100		
182	83.2	47.4	142.2
145	20.3	15.0	45.1

