

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120421\
 Data File : VN069773.D
 Acq On : 4 Dec 2021 18:30
 Operator : JC/MD
 Sample : M4922-13DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 00:18:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

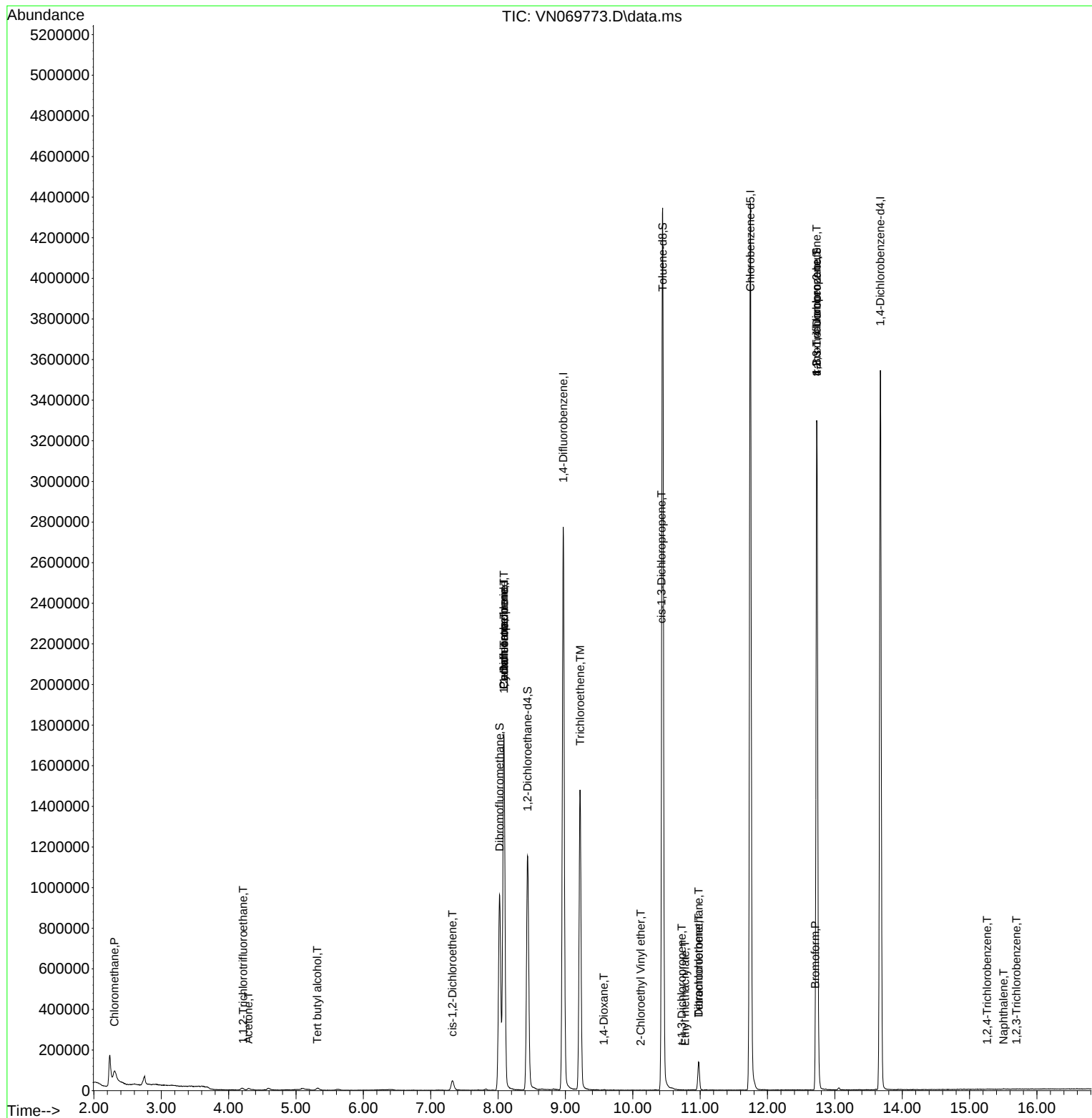
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1309079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2331009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2447020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	939374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1011241	50.031	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.060%	
35) Dibromofluoromethane	8.024	113	700724	47.992	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.980%	
50) Toluene-d8	10.443	98	3002627	51.215	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.440%	
62) 4-Bromofluorobenzene	12.731	95	1153357	54.302	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 108.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	6087	0.318	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.213	101	4644	0.359	ug/l #	55
11) Tert butyl alcohol	5.315	59	10050	2.630	ug/l #	73
16) Acetone	4.293	43	5692	0.468	ug/l #	88
27) cis-1,2-Dichloroethene	7.321	96	9730	0.595	ug/l	88
31) Cyclohexane	8.086	56	33417	1.188	ug/l #	39
36) 1,1-Dichloropropene	8.088	75	112626	5.075	ug/l #	48
38) Carbon Tetrachloride	8.086	117	138122	6.347	ug/l #	16
44) Trichloroethene	9.217	130	516943	31.932	ug/l	92
49) 1,4-Dioxane	9.569	88	1438	3.514	ug/l #	83
53) t-1,3-Dichloropropene	10.727	75	26	2.795	ug/l #	26
54) cis-1,3-Dichloropropene	10.427	75	271	2.008	ug/l #	1
56) Ethyl methacrylate	10.776	69	102	2.282	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.119	63	27	18.392	ug/l #	45
60) Dibromochloromethane	10.977	129	29427	3.942	ug/l #	11
64) Tetrachloroethene	10.977	164	29740	1.792	ug/l	93
71) Bromoform	12.707	173	156	2.741	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	646617	24.003	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	646617	76.239	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	244	2.893	ug/l #	64
95) Naphthalene	15.504	128	1758	4.020	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.694	180	378	2.460	ug/l #	39

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

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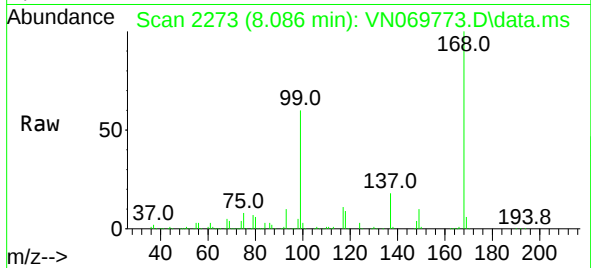
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
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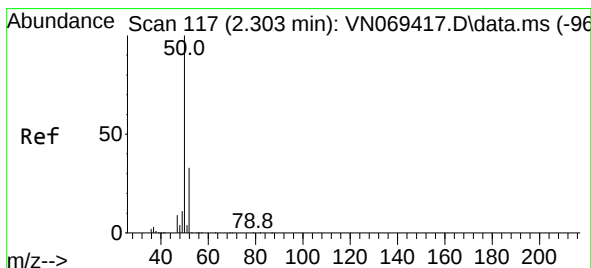
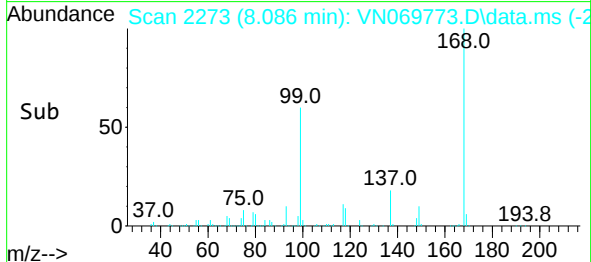
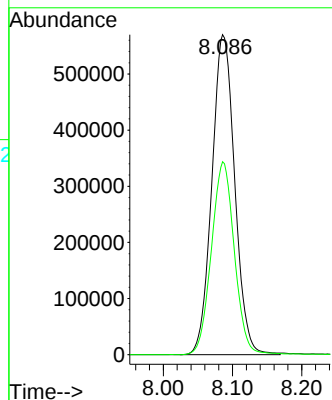


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

Instrument :
MSVOA_N
ClientSampleId :

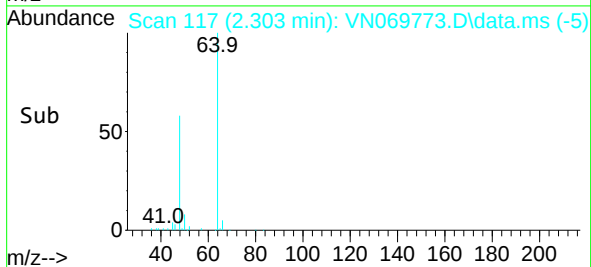
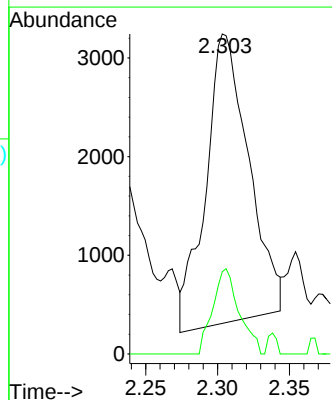
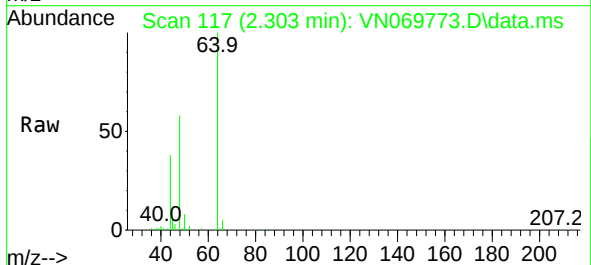


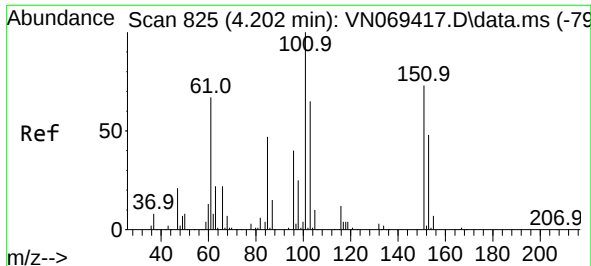
Tgt Ion:168 Resp: 1309079
Ion Ratio Lower Upper
168 100
99 60.3 41.3 61.9



#3
Chloromethane
Concen: 0.318 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

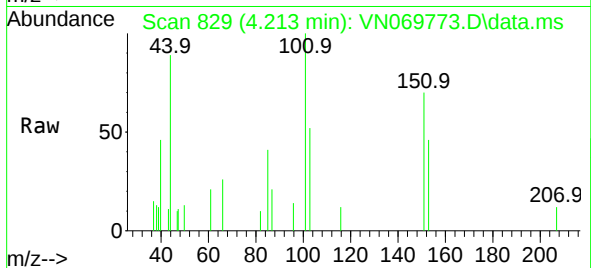
Tgt Ion: 50 Resp: 6087
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.0



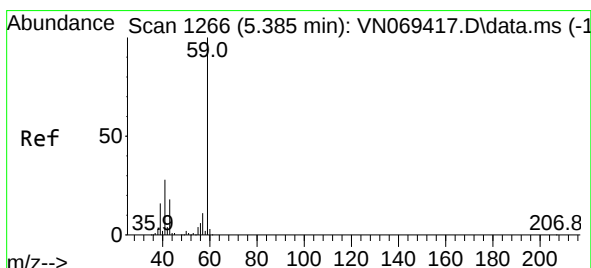
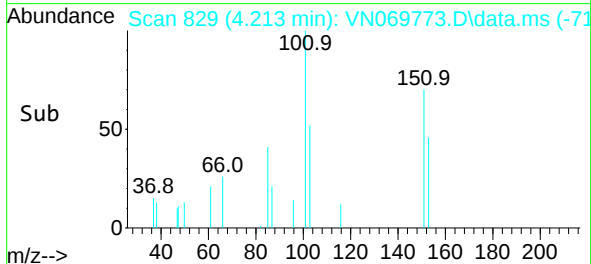
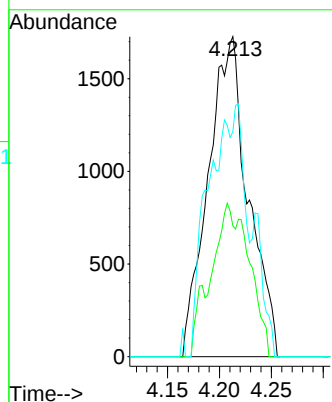


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.359 ug/l
RT: 4.213 min Scan# 81
Delta R.T. 0.011 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

Instrument :
MSVOA_N
ClientSampleId :

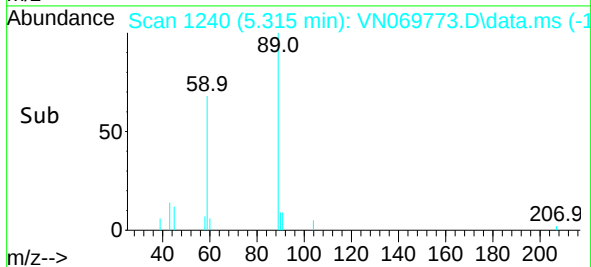
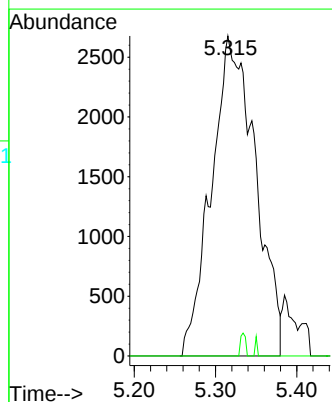
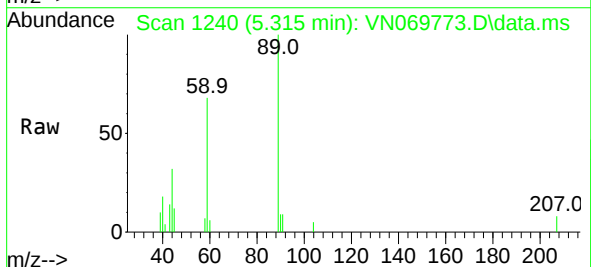


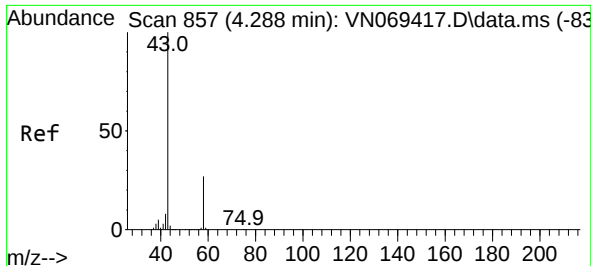
Tgt Ion:101 Resp: 4644
Ion Ratio Lower Upper
101 100
85 12.0 37.2 55.8#
151 45.2 65.9 98.9#



#11
Tert butyl alcohol
Concen: 2.630 ug/l
RT: 5.315 min Scan# 1240
Delta R.T. -0.075 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

Tgt Ion: 59 Resp: 10050
Ion Ratio Lower Upper
59 100
57 0.8 8.7 13.1#

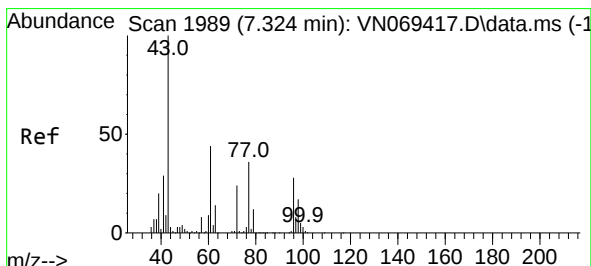
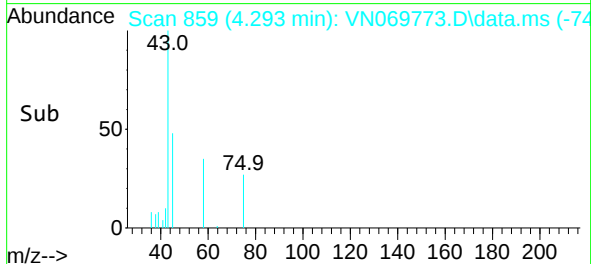
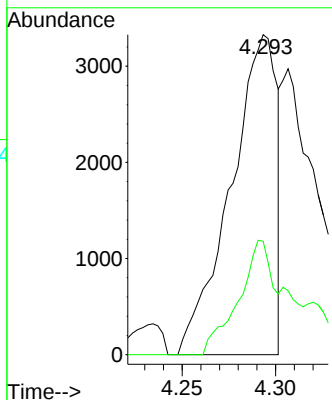
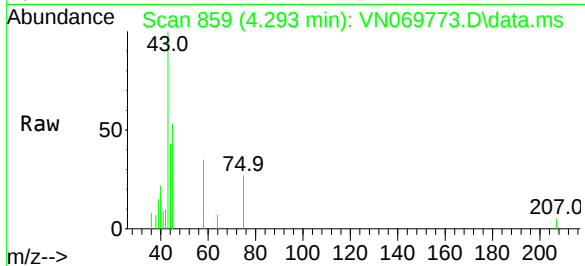




#16
Acetone
Concen: 0.468 ug/l
RT: 4.293 min Scan# 81
Delta R.T. 0.003 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

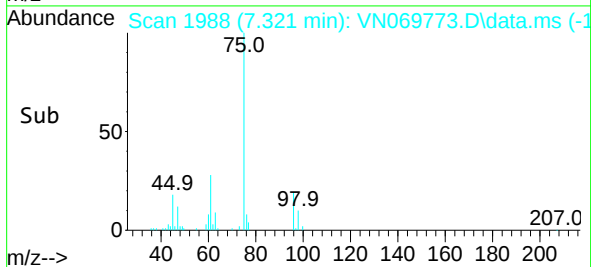
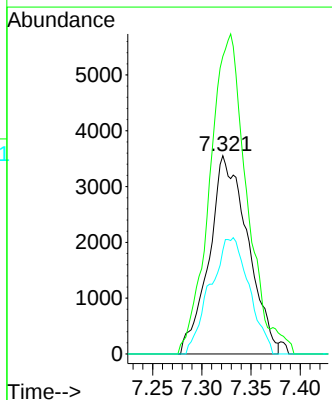
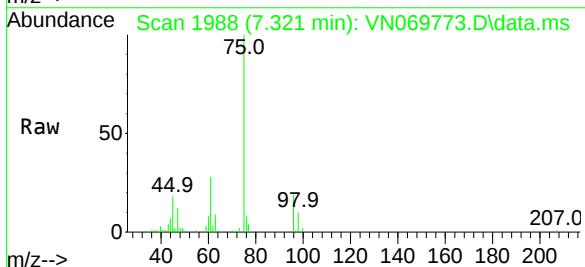
Instrument :
MSVOA_N
ClientSampleId :

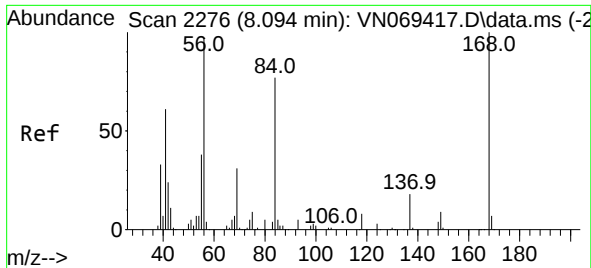
Tgt Ion: 43 Resp: 5692
Ion Ratio Lower Upper
43 100
58 35.4 23.1 34.7#



#27
cis-1,2-Dichloroethene
Concen: 0.595 ug/l
RT: 7.321 min Scan# 1988
Delta R.T. -0.005 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

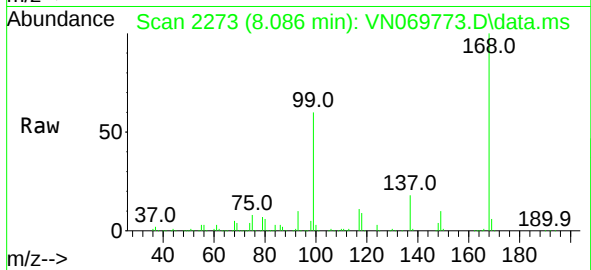
Tgt Ion: 96 Resp: 9730
Ion Ratio Lower Upper
96 100
61 155.0 0.0 275.0
98 58.6 0.0 129.6



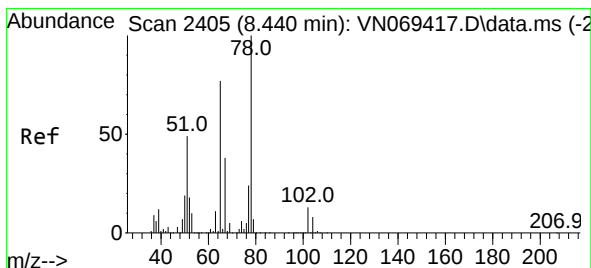
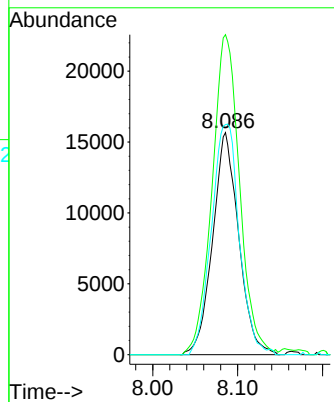
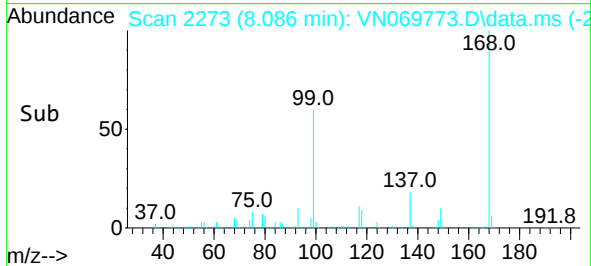


#31
Cyclohexane
Concen: 1.188 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

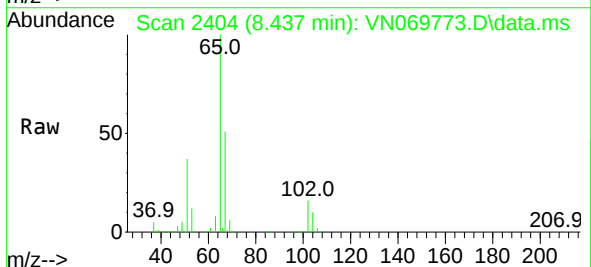
Instrument :
MSVOA_N
ClientSampleId :



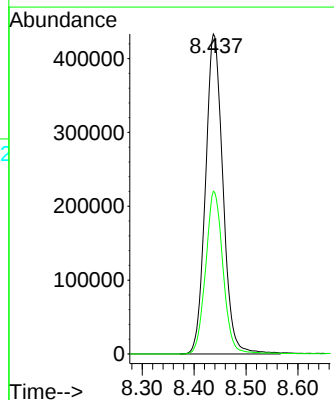
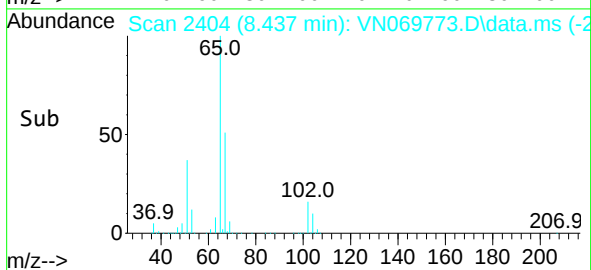
Tgt Ion: 56 Resp: 33417
Ion Ratio Lower Upper
56 100
69 144.1 27.1 40.7#
84 103.6 73.4 110.0

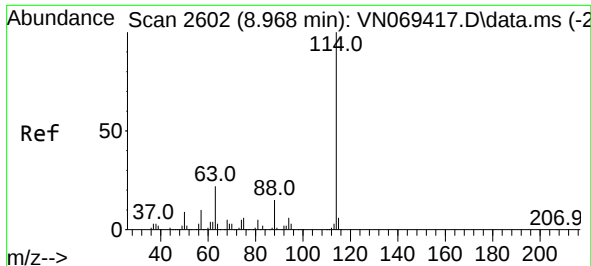


#33
1,2-Dichloroethane-d4
Concen: 50.031 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30



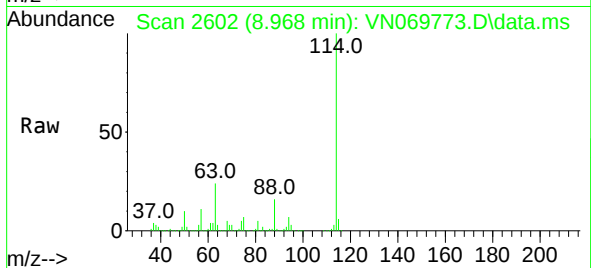
Tgt Ion: 65 Resp: 1011241
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0



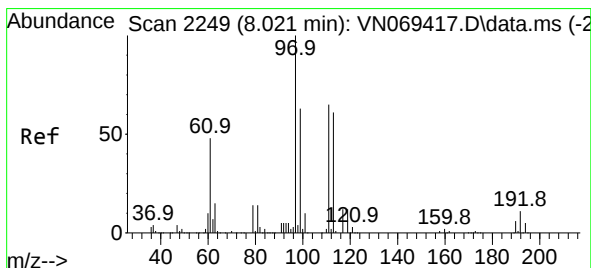
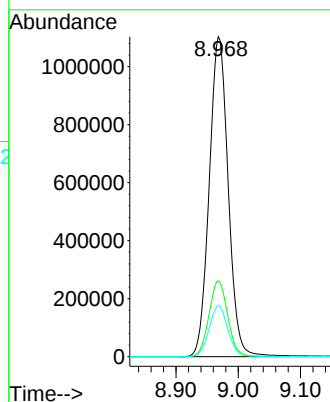
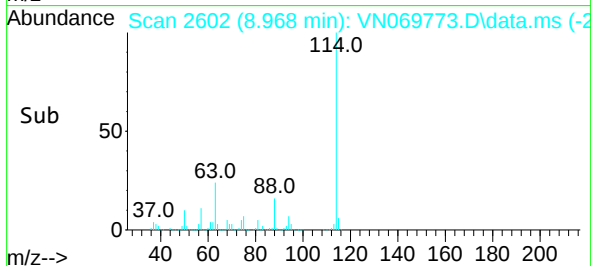


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2109
Delta R.T. -0.000 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

Instrument :
MSVOA_N
ClientSampleId :

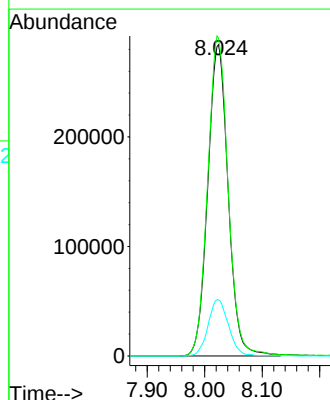
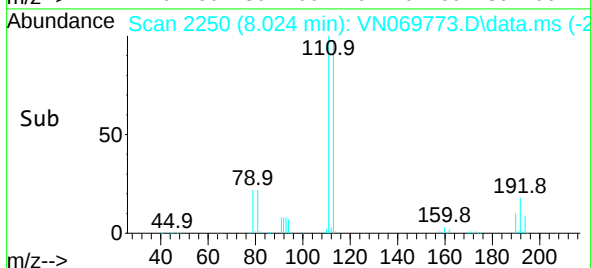
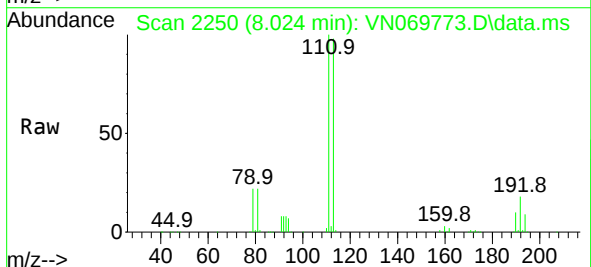


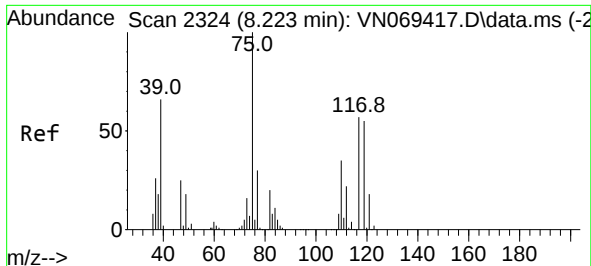
Tgt Ion:114 Resp: 2331009
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.992 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

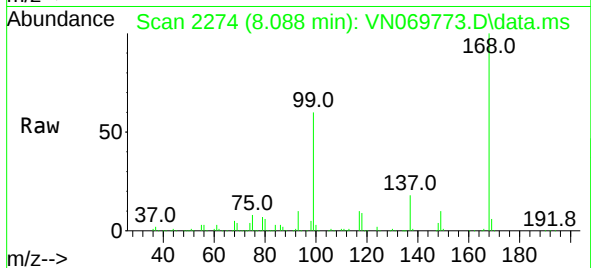
Tgt Ion:113 Resp: 700724
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 18.1 16.9 25.3



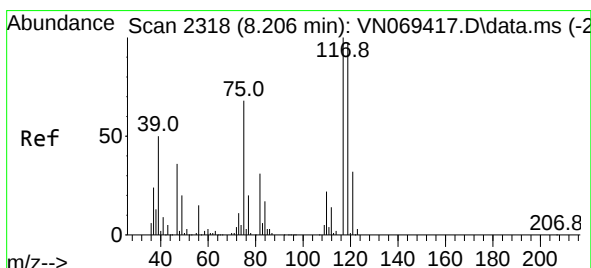
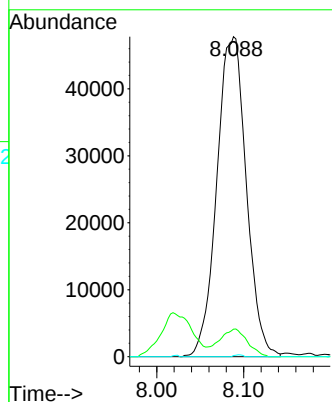
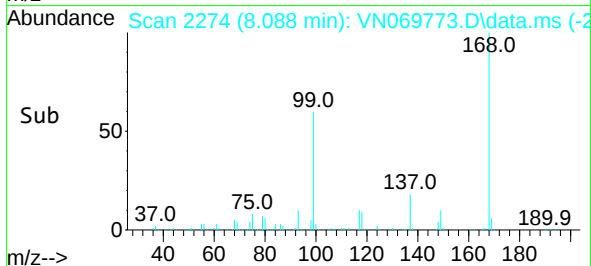


#36
 1,1-Dichloropropene
 Concen: 5.075 ug/l
 RT: 8.088 min Scan# 211
 Delta R.T. -0.134 min
 Lab File: VN069773.D
 Acq: 4 Dec 2021 18:30

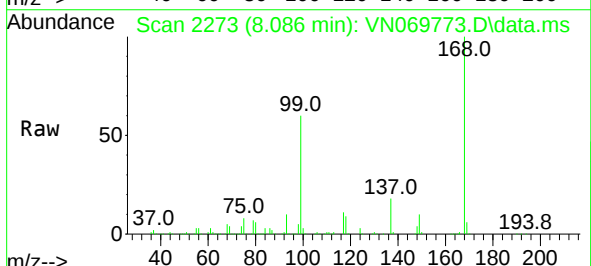
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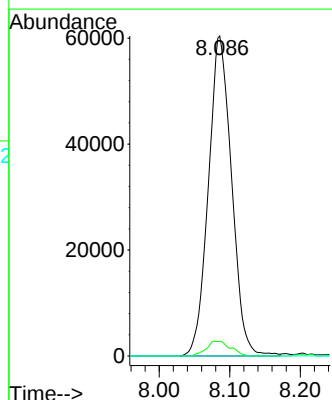
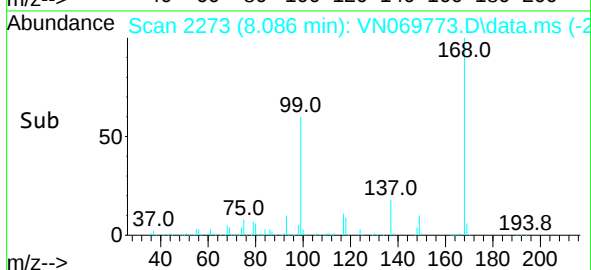
Tgt Ion: 75 Resp: 112626
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.4 55.2#
 77 0.2 24.4 36.6#

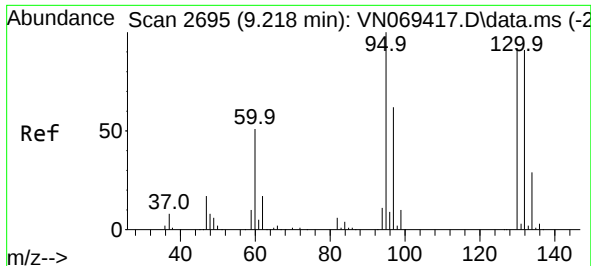


#38
 Carbon Tetrachloride
 Concen: 6.347 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.121 min
 Lab File: VN069773.D
 Acq: 4 Dec 2021 18:30



Tgt Ion: 117 Resp: 138122
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.1 114.1#
 121 0.0 24.2 36.2#

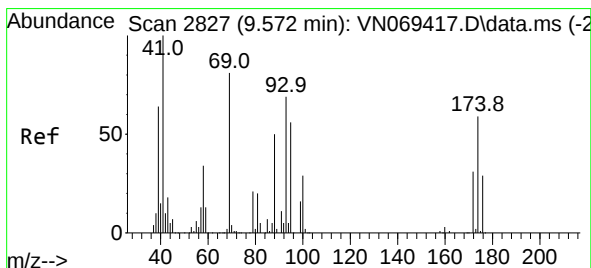
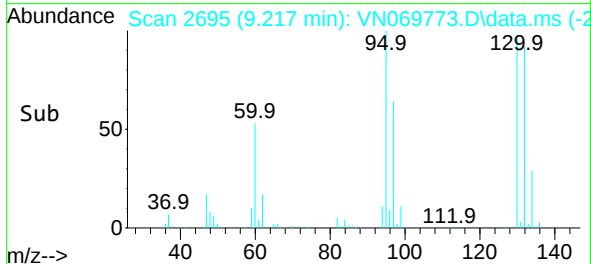
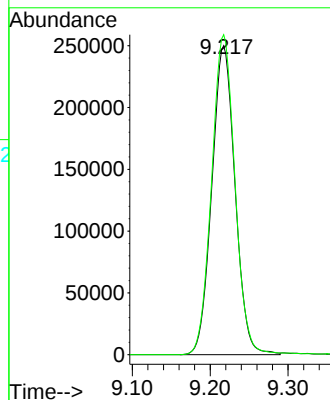
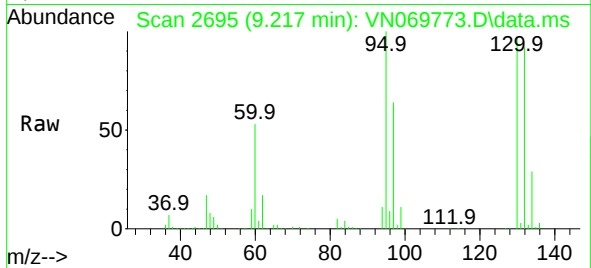




#44
Trichloroethene
Concen: 31.932 ug/l
RT: 9.217 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

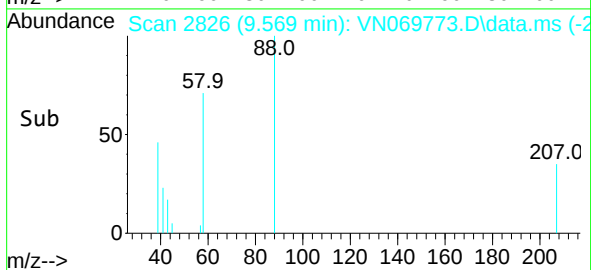
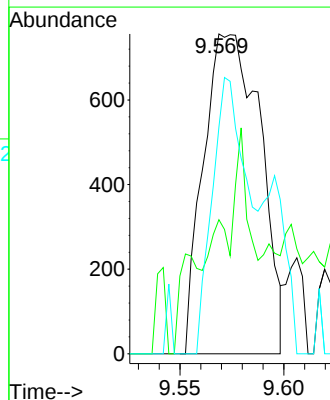
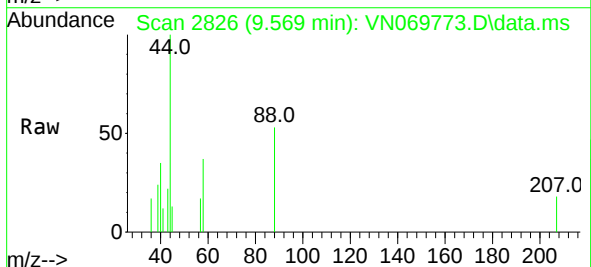
Instrument :
MSVOA_N
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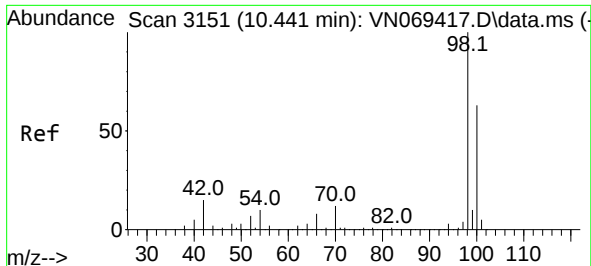
Tgt Ion:130 Resp: 516943
Ion Ratio Lower Upper
130 100
95 103.6 0.0 191.2



#49
1,4-Dioxane
Concen: 3.514 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. -0.003 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

Tgt Ion: 88 Resp: 1438
Ion Ratio Lower Upper
88 100
43 15.2 23.4 35.2#
58 53.4 50.6 75.8

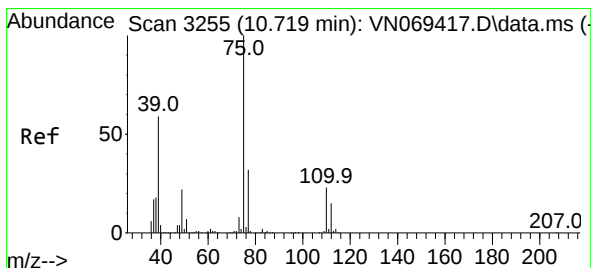
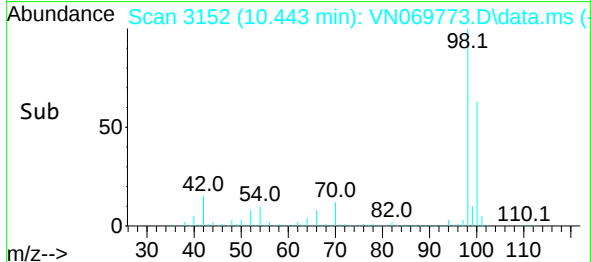
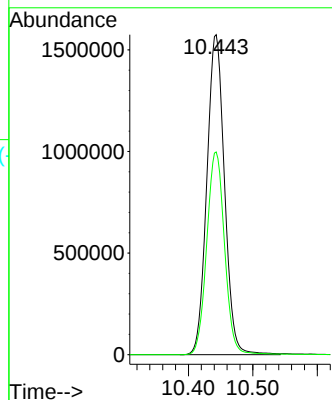
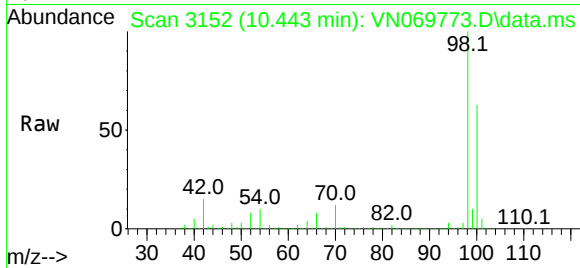




#50
Toluene-d8
Concen: 51.215 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

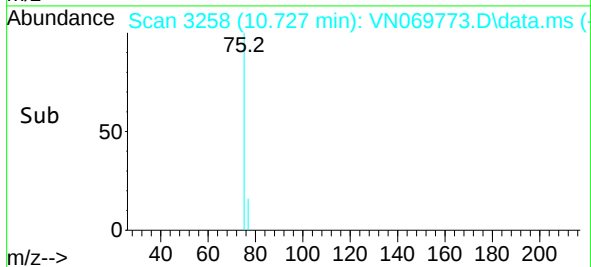
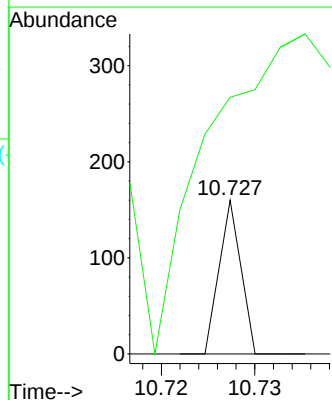
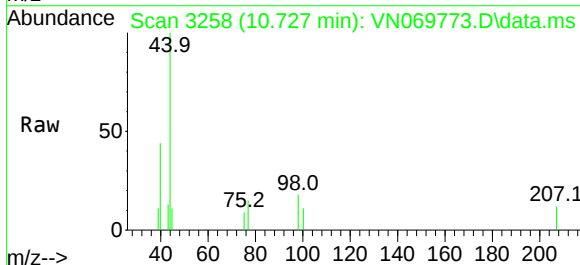
Instrument :
MSVOA_N
ClientSampleId :

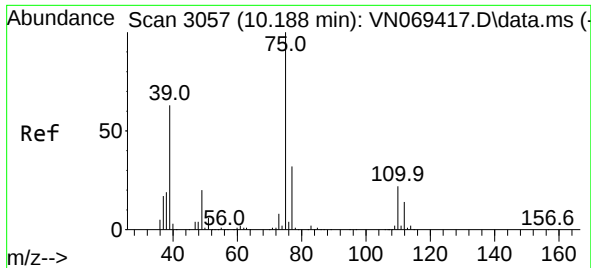
Tgt Ion: 98 Resp: 3002627
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.795 ug/l
RT: 10.727 min Scan# 3258
Delta R.T. 0.008 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

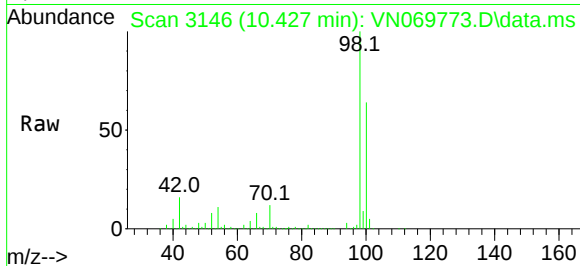
Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
77 73.1 25.6 38.4#



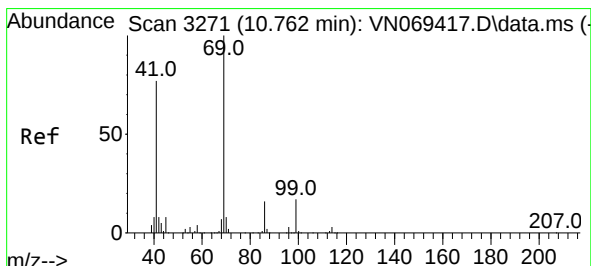
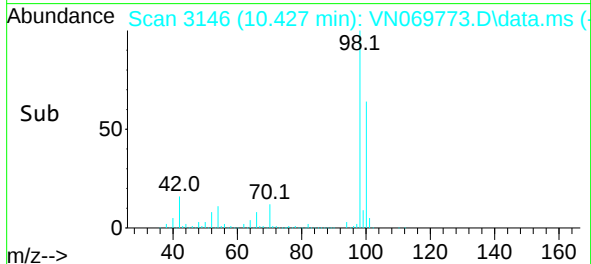
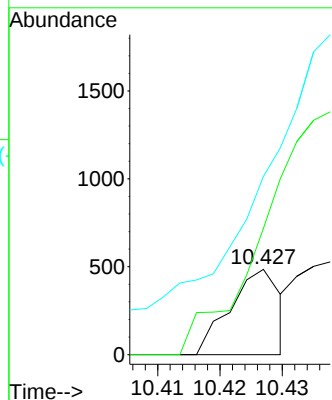


#54
 cis-1,3-Dichloropropene
 Concen: 2.008 ug/l
 RT: 10.427 min Scan# 3146
 Delta R.T. 0.236 min
 Lab File: VN069773.D
 Acq: 4 Dec 2021 18:30

Instrument :
 MSVOA_N
 ClientSampleId :

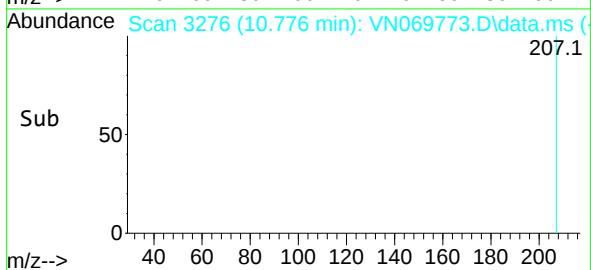
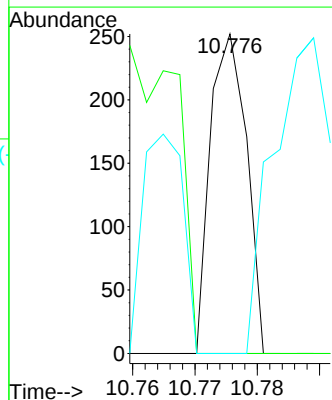
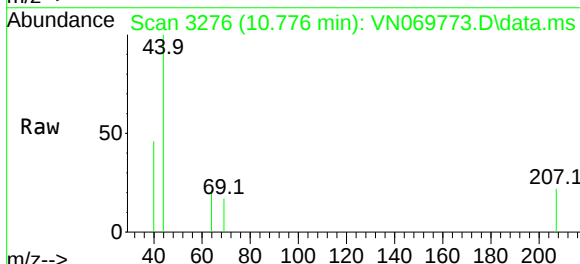


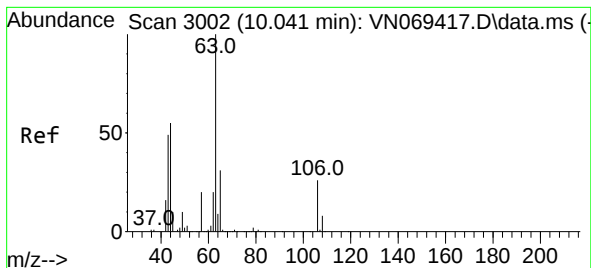
Tgt Ion: 75	Resp: 271
Ion Ratio	Lower Upper
75 100	
77 148.0	26.4 39.6#
39 125.2	42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.282 ug/l
 RT: 10.776 min Scan# 3276
 Delta R.T. 0.014 min
 Lab File: VN069773.D
 Acq: 4 Dec 2021 18:30

Tgt Ion: 69	Resp: 102
Ion Ratio	Lower Upper
69 100	
41 0.0	51.4 77.0#
39 152.0	34.6 52.0#

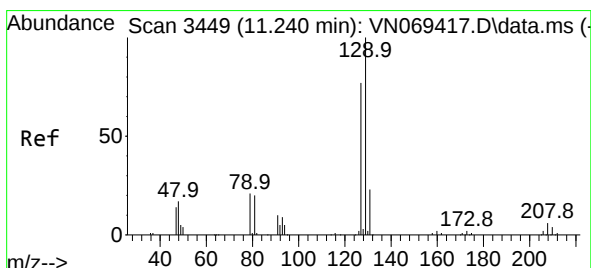
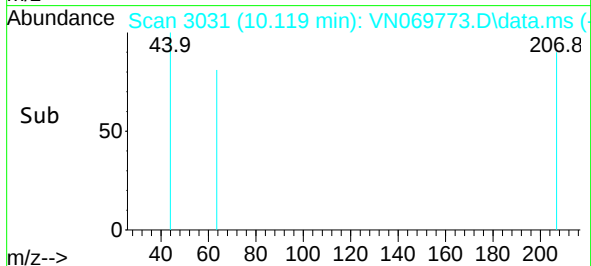
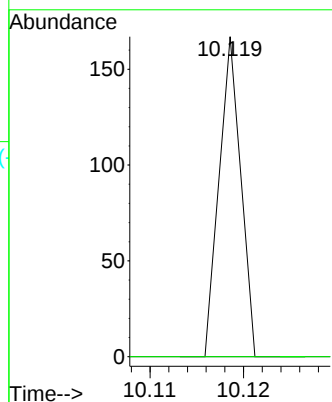
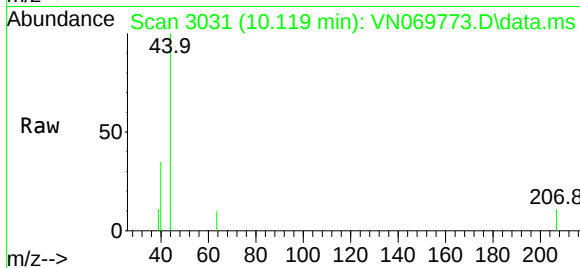




#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 10.119 min Scan# 3002
Delta R.T. 0.076 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

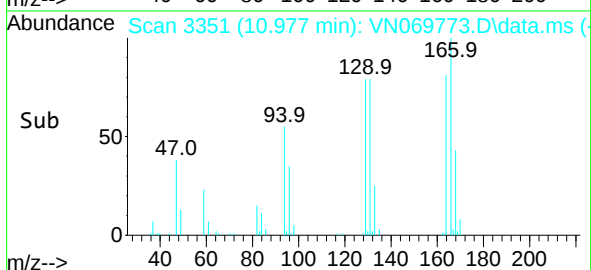
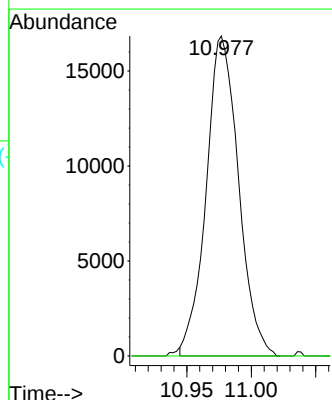
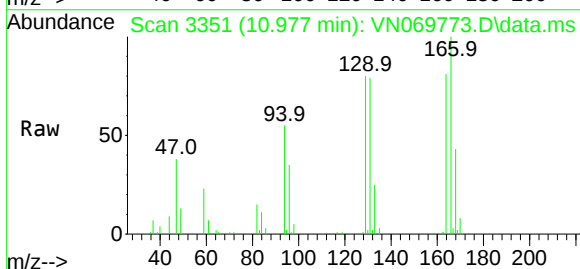
Instrument :
MSVOA_N
ClientSampleId :

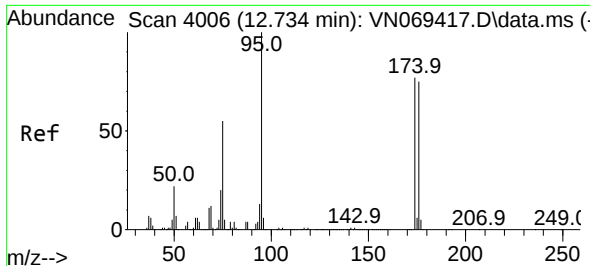
Tgt Ion: 63 Resp: 27
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 3.942 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

Tgt Ion:129 Resp: 29427
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

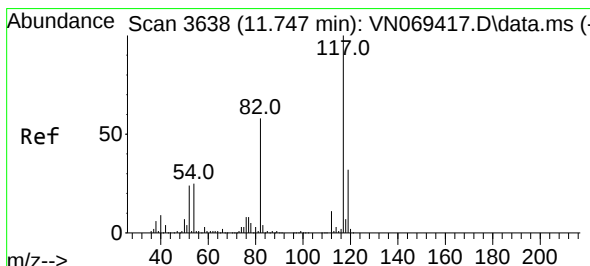
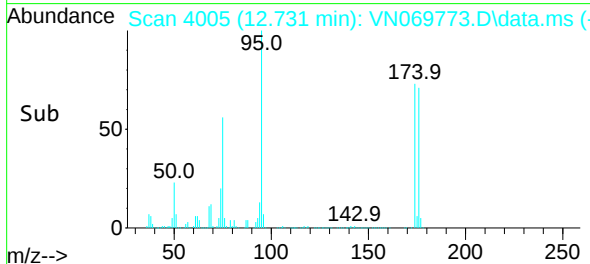
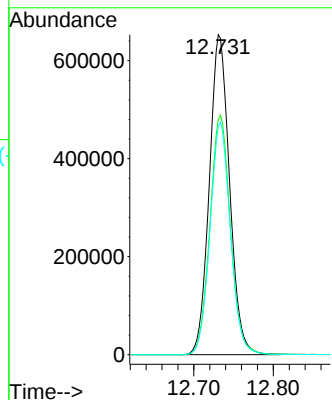
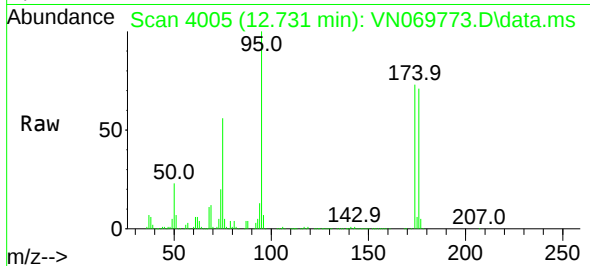




#62
4-Bromofluorobenzene
Concen: 54.302 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

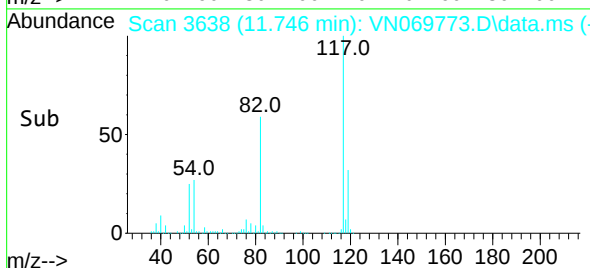
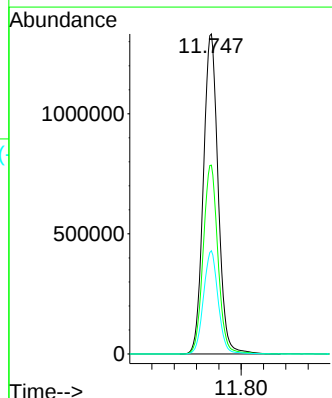
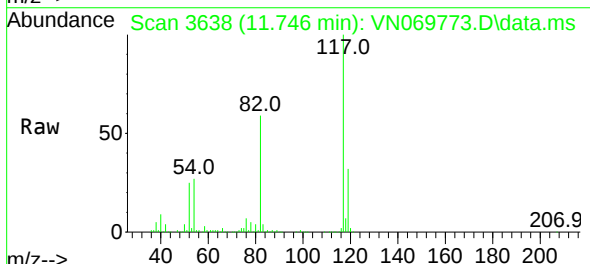
Instrument :
MSVOA_N
ClientSampleId :

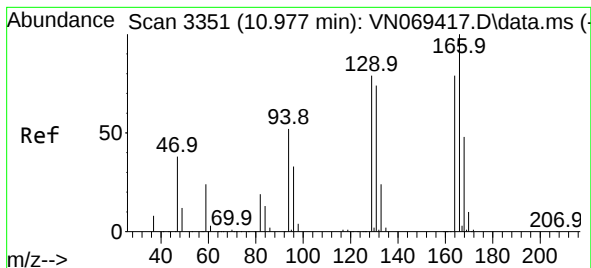
Tgt Ion: 95 Resp: 1153357
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

Tgt Ion: 117 Resp: 2447020
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 32.3 25.4 38.2





#64

Tetrachloroethene

Concen: 1.792 ug/l

RT: 10.977 min Scan# 31

Delta R.T. -0.002 min

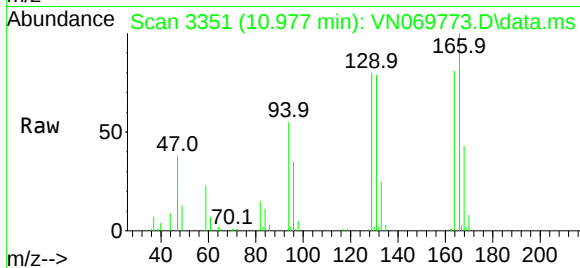
Lab File: VN069773.D

Acq: 4 Dec 2021 18:30

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 29740

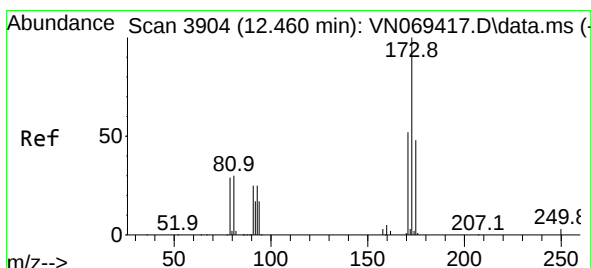
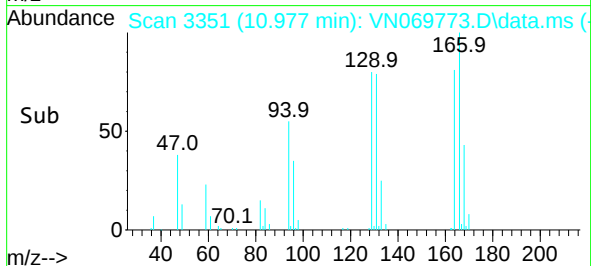
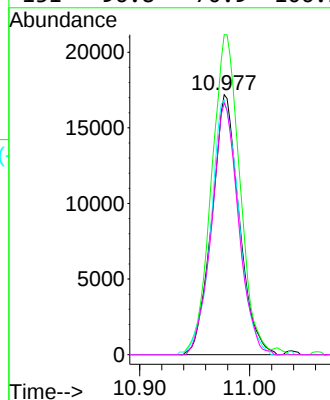
Ion Ratio Lower Upper

164 100

166 123.1 101.9 152.9

129 98.0 72.0 108.0

131 96.8 70.9 106.3



#71

Bromoform

Concen: 2.741 ug/l

RT: 12.707 min Scan# 3996

Delta R.T. 0.247 min

Lab File: VN069773.D

Acq: 4 Dec 2021 18:30

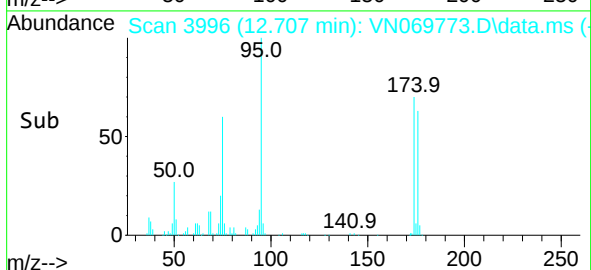
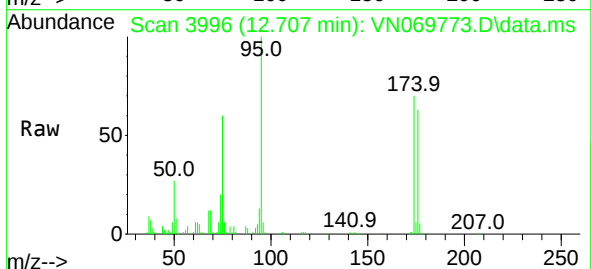
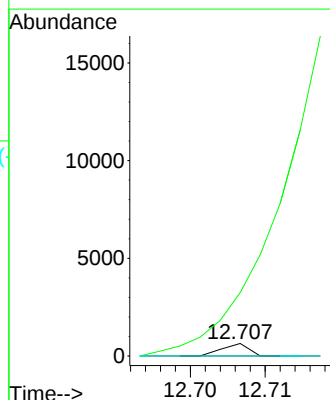
Tgt Ion:173 Resp: 156

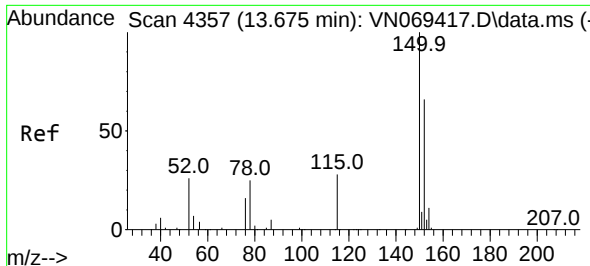
Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

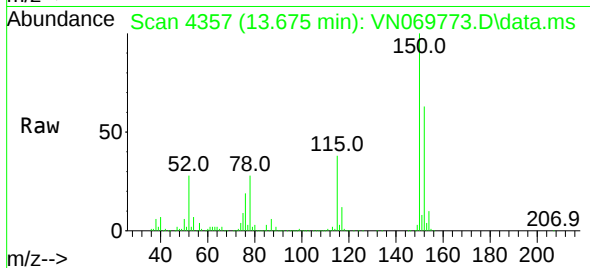
254 0.0 0.0 0.0



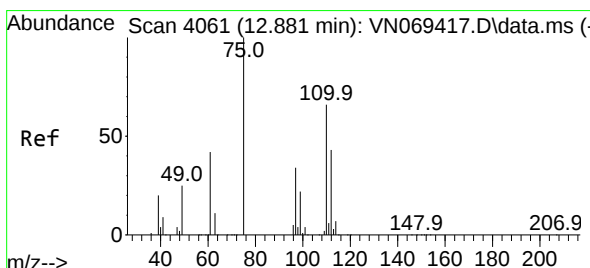
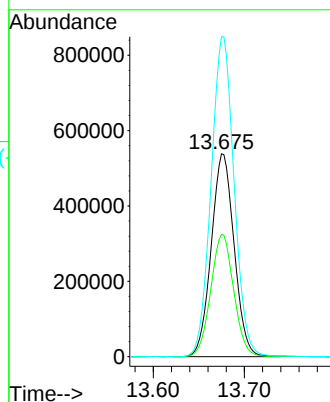
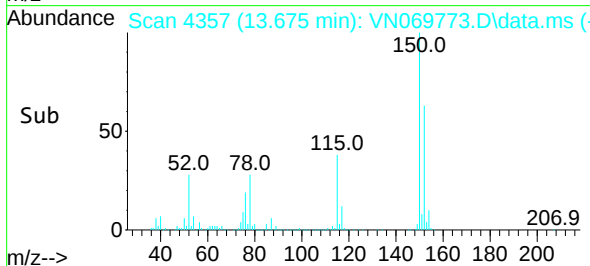


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN069773.D
 Acq: 4 Dec 2021 18:30

Instrument :
 MSVOA_N
 ClientSampleId :

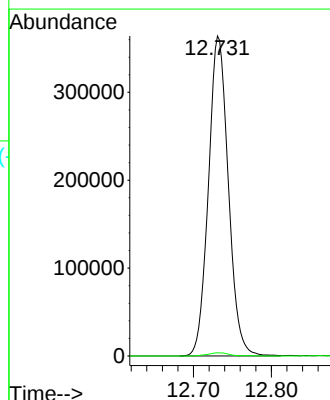
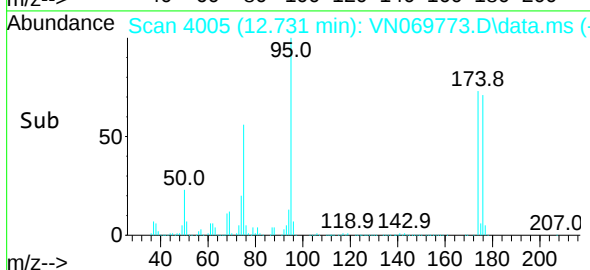
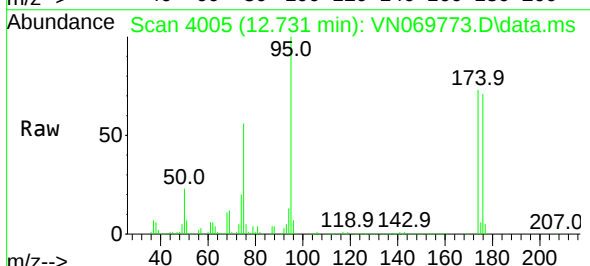


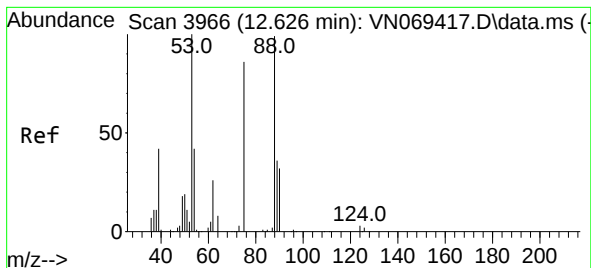
Tgt Ion:152 Resp: 939374
 Ion Ratio Lower Upper
 152 100
 115 60.4 27.5 82.5
 150 158.3 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 24.003 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069773.D
 Acq: 4 Dec 2021 18:30

Tgt Ion: 75 Resp: 646617
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

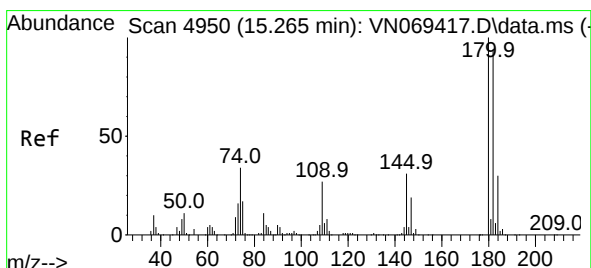
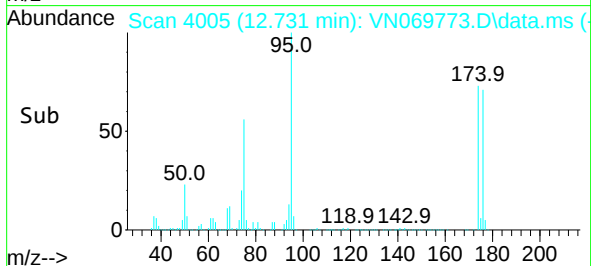
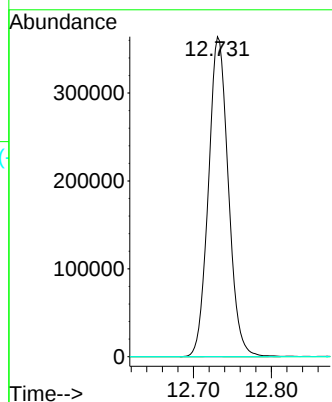
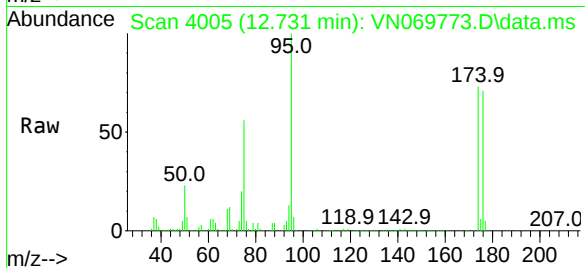




#81
trans-1,4-Dichloro-2-butene
Concen: 76.239 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

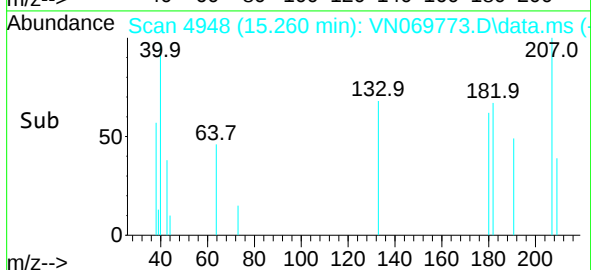
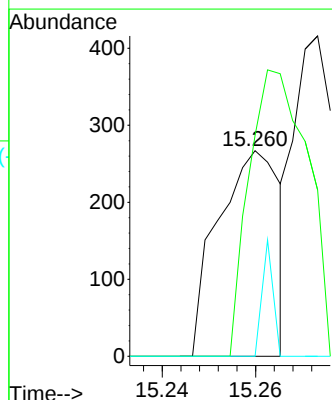
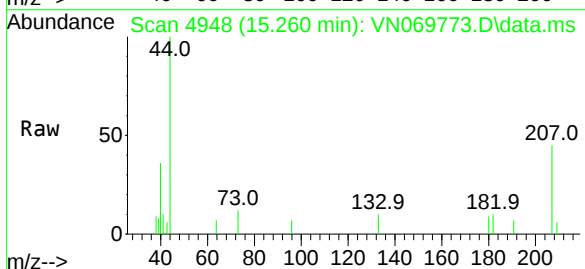
Instrument :
MSVOA_N
ClientSampleId :

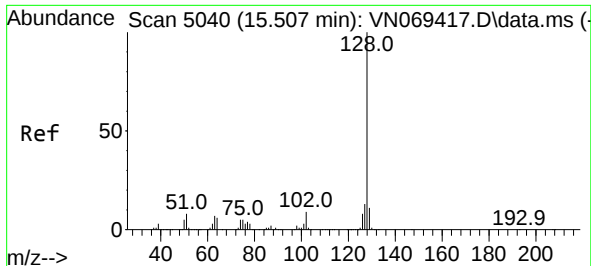
Tgt Ion: 75 Resp: 646617
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.893 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

Tgt Ion:180 Resp: 244
Ion Ratio Lower Upper
180 100
182 132.4 48.3 144.9
145 9.8 14.5 43.5#

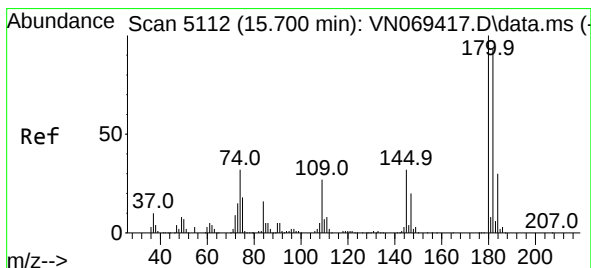
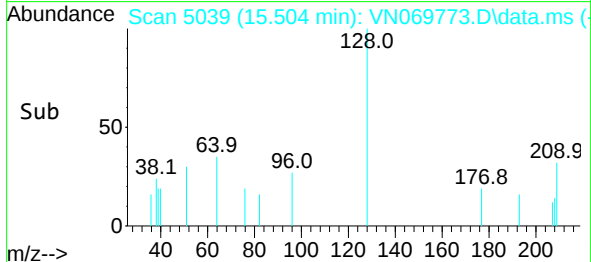
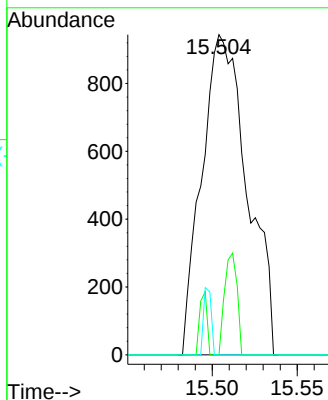
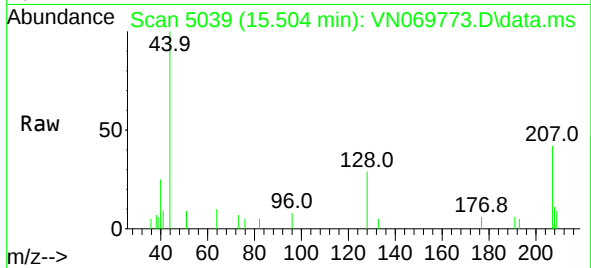




#95
Naphthalene
Concen: 4.020 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1758
Ion Ratio Lower Upper
128 100
127 3.1 10.5 15.7#
129 3.5 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.460 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.008 min
Lab File: VN069773.D
Acq: 4 Dec 2021 18:30

Tgt Ion:180 Resp: 378
Ion Ratio Lower Upper
180 100
182 30.4 47.4 142.2#
145 7.1 15.0 45.1#

