

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120421\
 Data File : VN069770.D
 Acq On : 4 Dec 2021 17:13
 Operator : JC/MD
 Sample : M4922-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20211130

Quant Time: Dec 06 00:17:45 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)

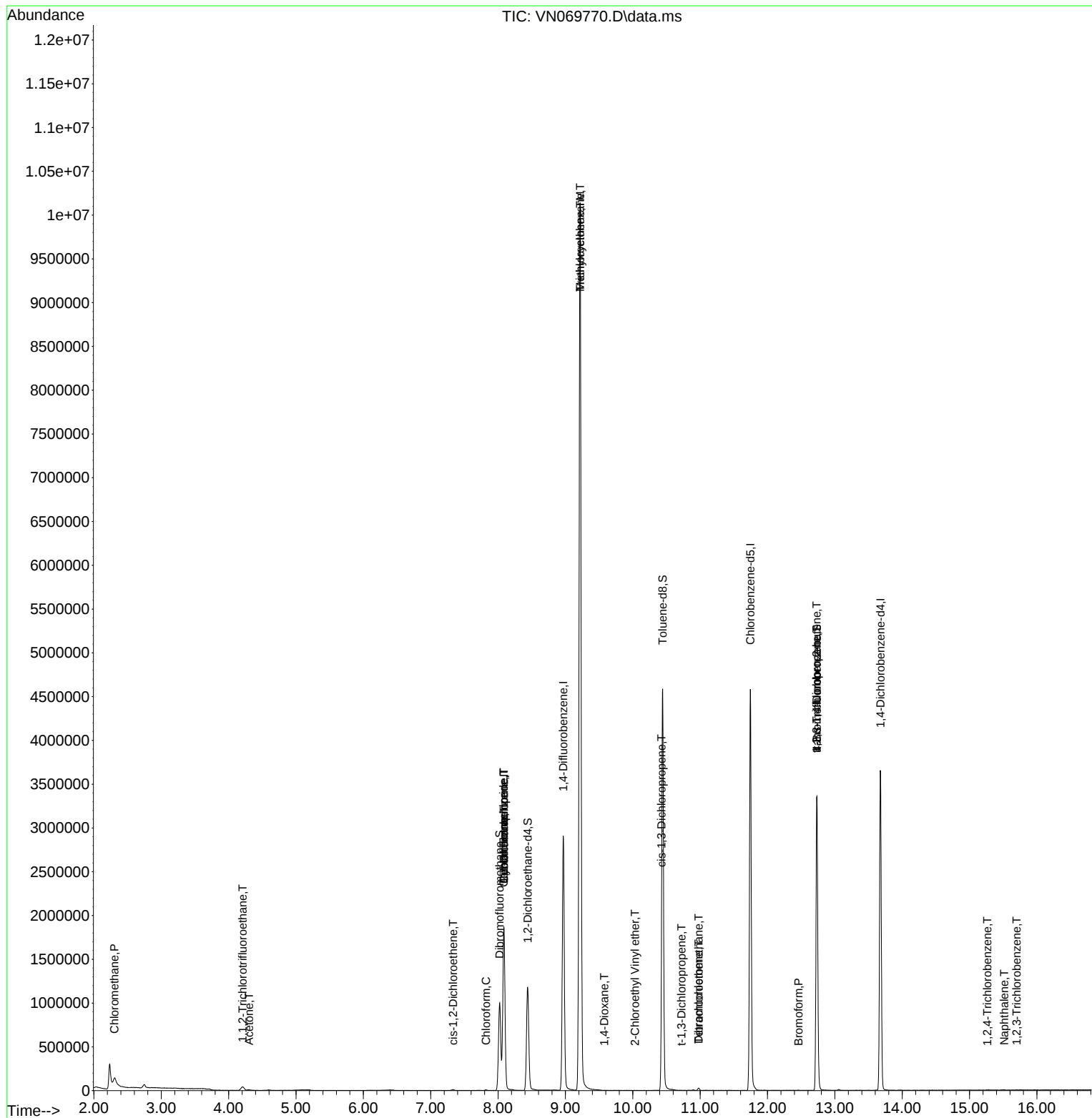
Internal Standards						
1) Pentafluorobenzene	8.088	168	1378337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2439590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2536684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	976760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1042268	48.975	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.960%		
35) Dibromofluoromethane	8.024	113	727591	47.614	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.220%		
50) Toluene-d8	10.443	98	3123489	50.906	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.820%		
62) 4-Bromofluorobenzene	12.733	95	1184165	53.271	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	106.540%		
Target Compounds						Qvalue
3) Chloromethane	2.303	50	5538	0.275	ug/l #	73
9) 1,1,2-Trichlorotrifluo...	4.208	101	26138	1.918	ug/l	93
16) Acetone	4.301	43	12865	1.005	ug/l	90
27) cis-1,2-Dichloroethene	7.332	96	4689	0.272	ug/l	82
30) Chloroform	7.820	83	6961	0.230	ug/l	85
31) Cyclohexane	8.088	56	36190	1.222	ug/l #	42
36) 1,1-Dichloropropene	8.086	75	116037	4.996	ug/l #	50
38) Carbon Tetrachloride	8.083	117	142016	6.236	ug/l #	16
39) Methylcyclohexane	9.217	83	46579	1.686	ug/l #	1
44) Trichloroethene	9.217	130	3575629	211.037	ug/l	92
49) 1,4-Dioxane	9.577	88	173	0.404	ug/l #	1
53) t-1,3-Dichloropropene	10.725	75	26	2.795	ug/l	99
54) cis-1,3-Dichloropropene	10.427	75	77	2.001	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.033	63	27	18.392	ug/l #	45
60) Dibromochloromethane	10.977	129	5814	2.672	ug/l #	11
64) Tetrachloroethene	10.980	164	5607	0.326	ug/l #	86
71) Bromoform	12.463	173	816	2.781	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	665481	23.758	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	665481	75.502	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	880	2.930	ug/l	57
95) Naphthalene	15.515	128	3149	4.046	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.700	180	564	2.470	ug/l #	31

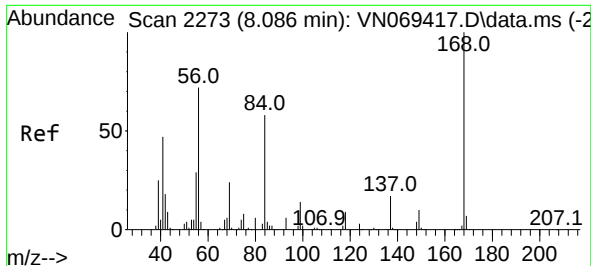
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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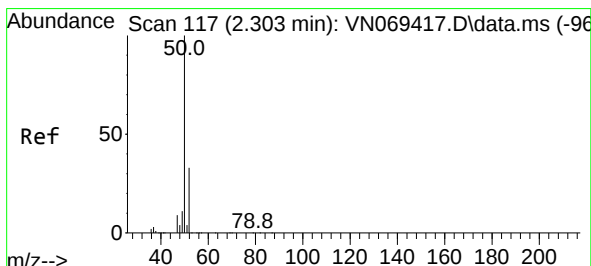
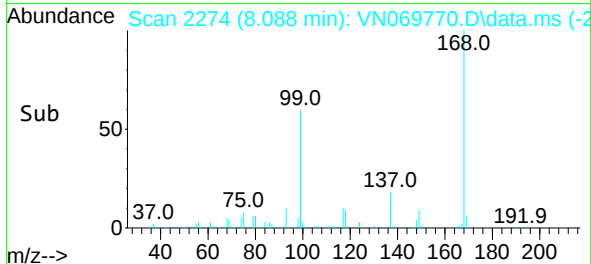
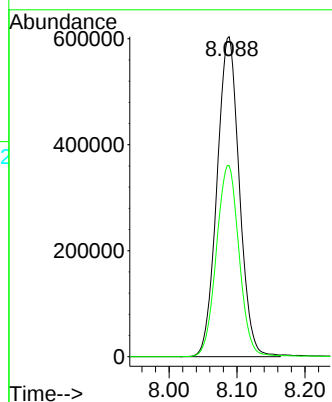
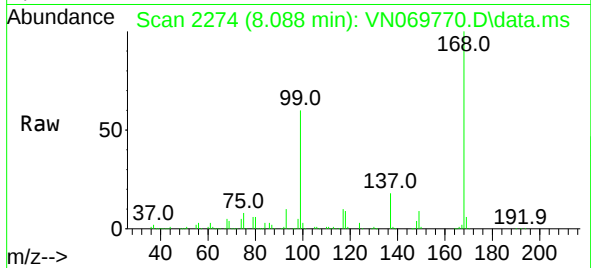




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

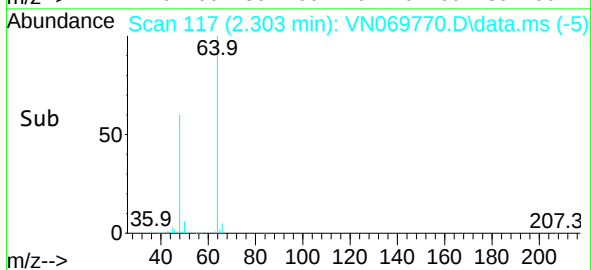
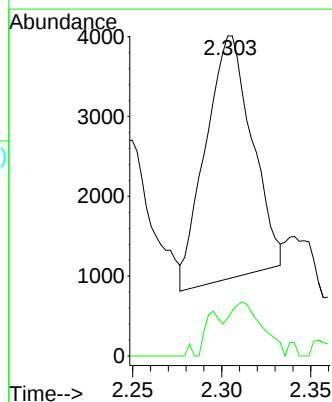
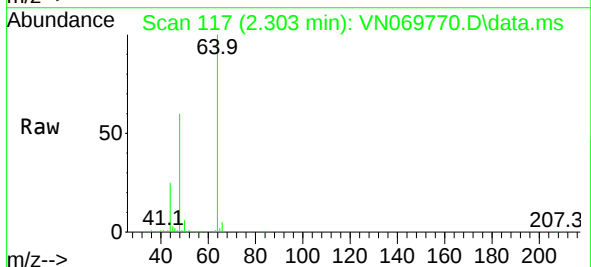
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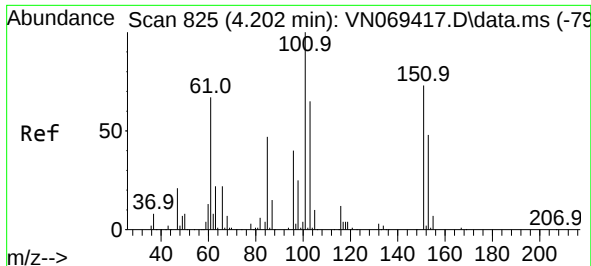
Tgt Ion:168 Resp: 1378337
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9



#3
Chloromethane
Concen: 0.275 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

Tgt Ion: 50 Resp: 5538
Ion Ratio Lower Upper
50 100
52 16.5 25.4 38.0#

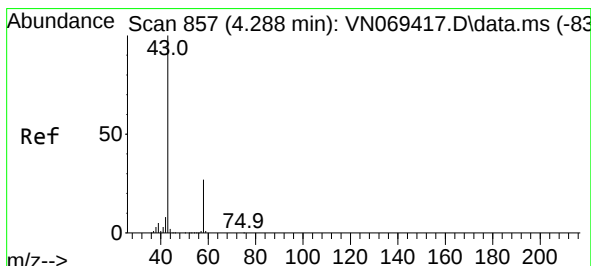
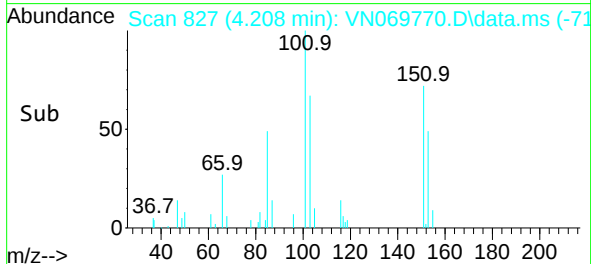
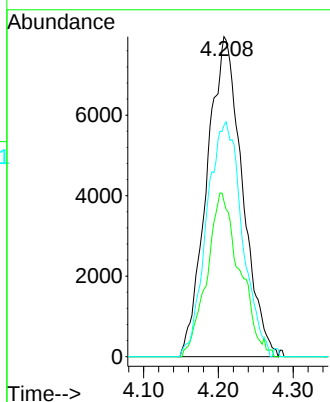
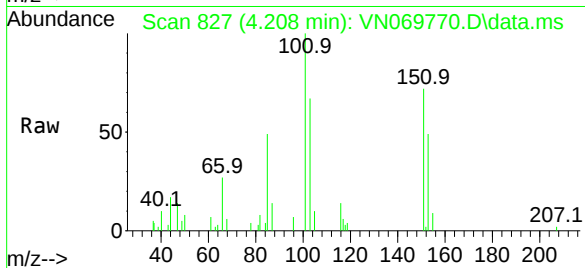




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.918 ug/l
RT: 4.208 min Scan# 81
Delta R.T. 0.006 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

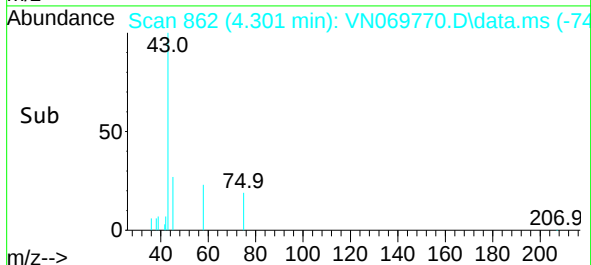
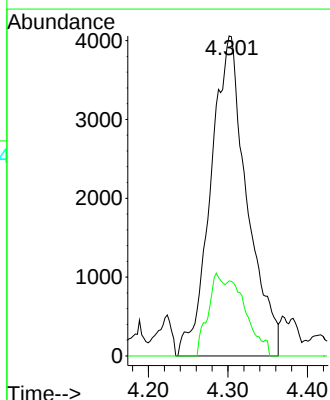
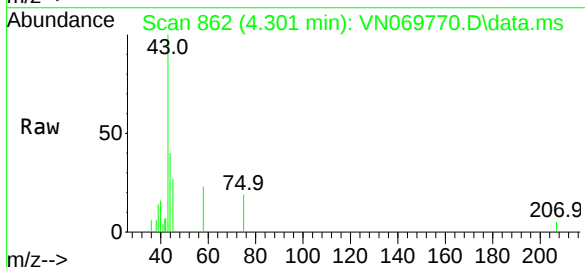
Instrument :
MSVOA_N
ClientSampleId :
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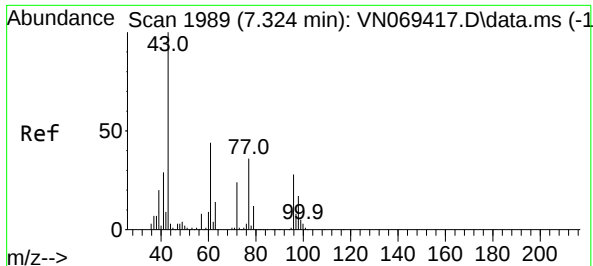
Tgt Ion:101 Resp: 26138
Ion Ratio Lower Upper
101 100
85 47.5 37.2 55.8
151 73.6 65.9 98.9



#16
Acetone
Concen: 1.005 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.011 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

Tgt Ion: 43 Resp: 12865
Ion Ratio Lower Upper
43 100
58 23.5 23.1 34.7





#27

cis-1,2-Dichloroethene

Concen: 0.272 ug/l

RT: 7.332 min Scan# 1989

Delta R.T. 0.006 min

Lab File: VN069770.D

Acq: 4 Dec 2021 17:13

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20211130

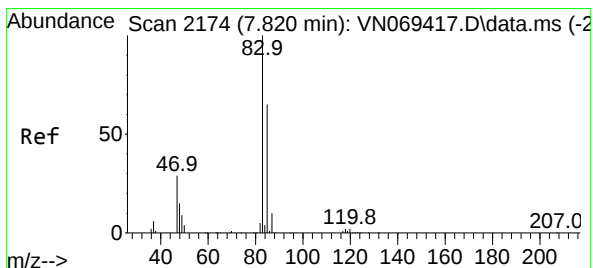
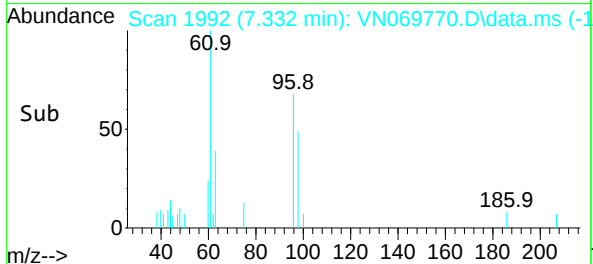
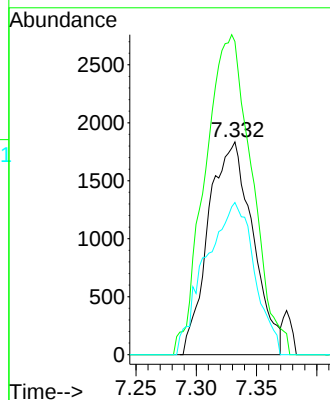
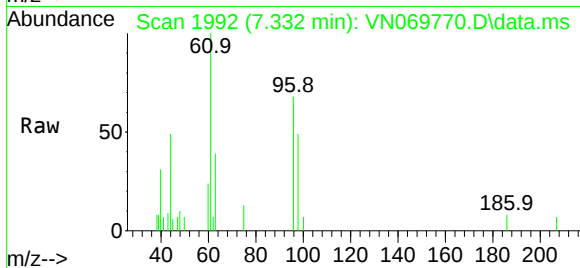
Tgt Ion: 96 Resp: 4689

Ion Ratio Lower Upper

96 100

61 158.5 0.0 275.0

98 78.7 0.0 129.6



#30

Chloroform

Concen: 0.230 ug/l

RT: 7.820 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN069770.D

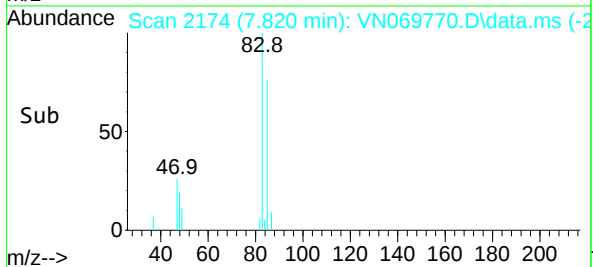
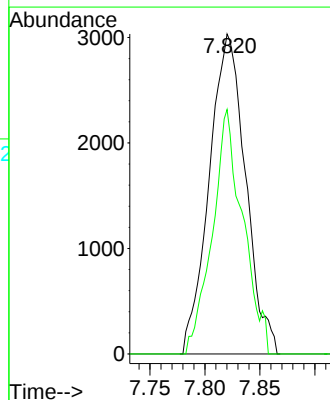
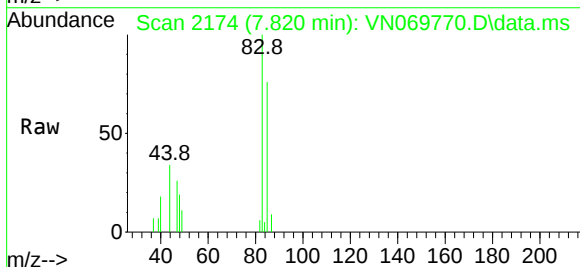
Acq: 4 Dec 2021 17:13

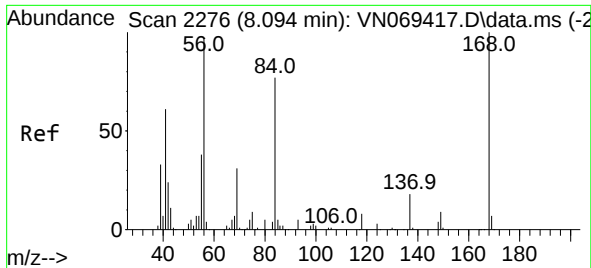
Tgt Ion: 83 Resp: 6961

Ion Ratio Lower Upper

83 100

85 76.4 51.9 77.9

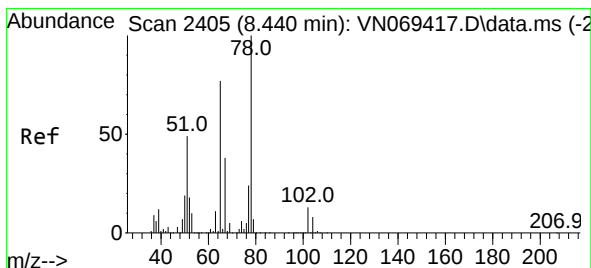
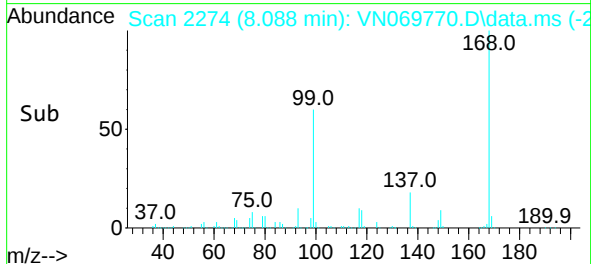
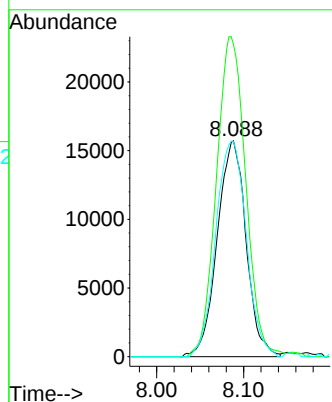
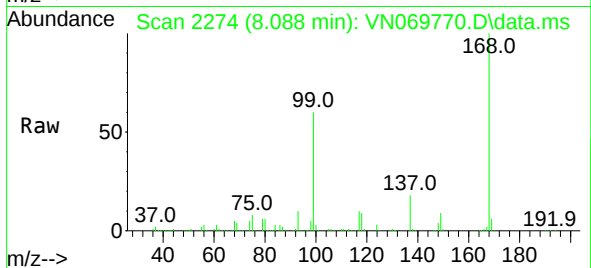




#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

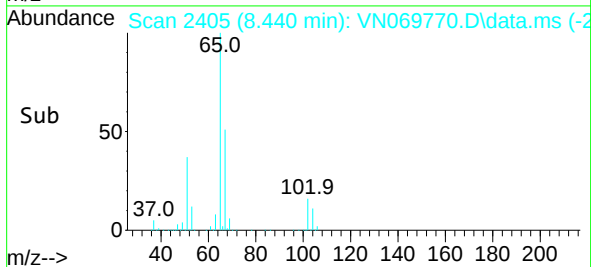
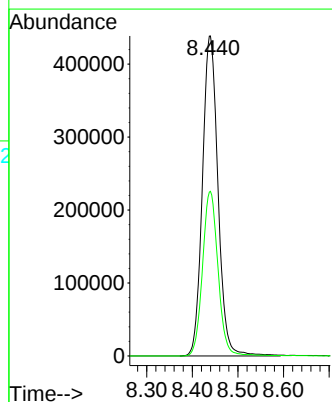
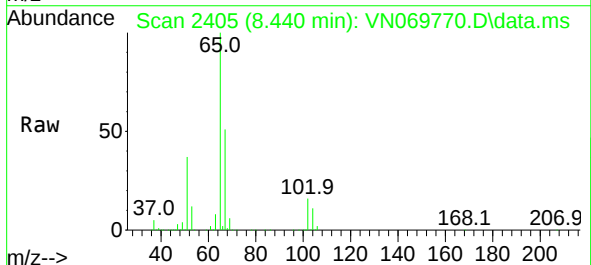
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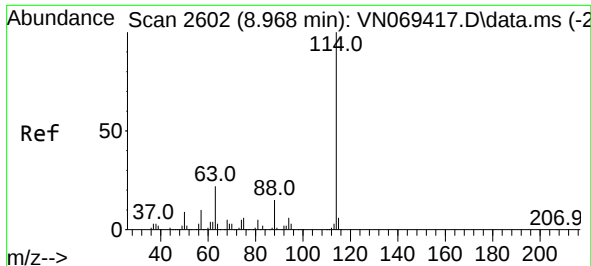
Tgt Ion: 56 Resp: 36190
Ion Ratio Lower Upper
56 100
69 144.6 27.1 40.7#
84 99.6 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 48.975 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

Tgt Ion: 65 Resp: 1042268
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0

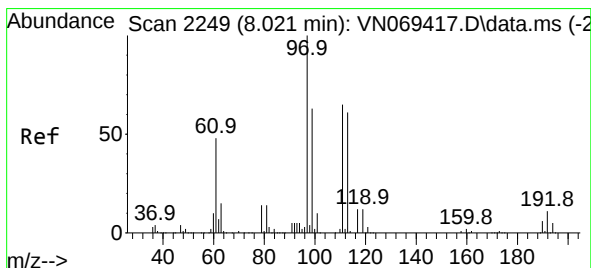
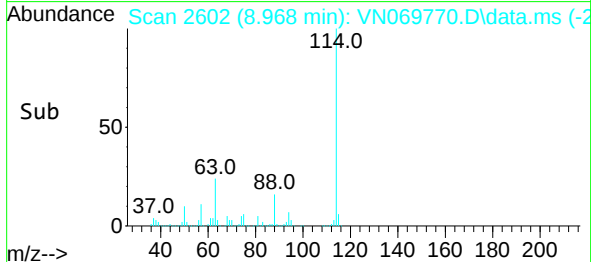
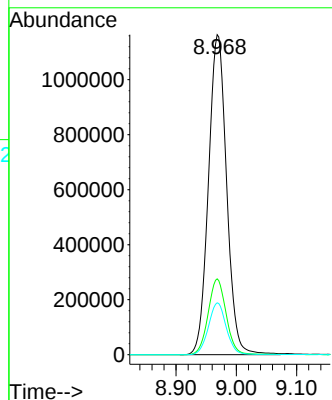
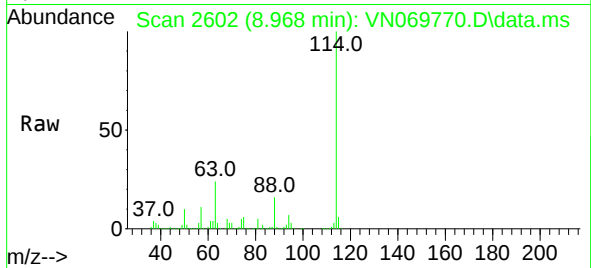




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

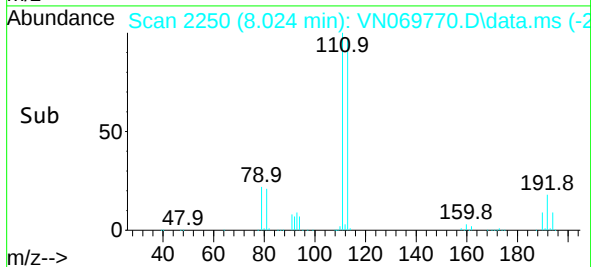
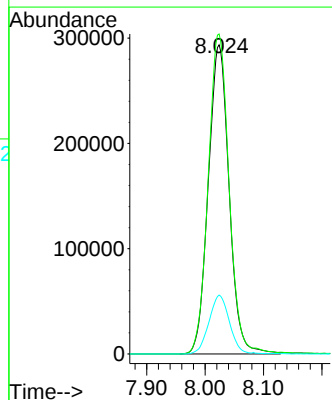
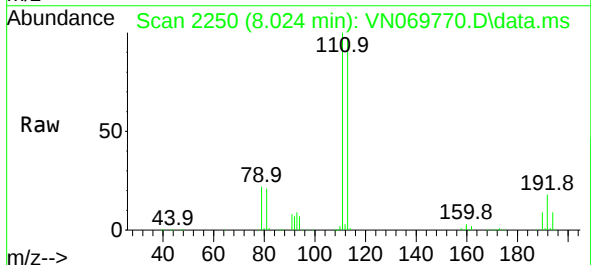
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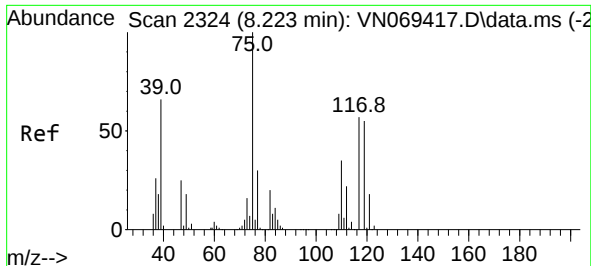
Tgt Ion:114 Resp: 2439590
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.614 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

Tgt Ion:113 Resp: 727591
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 18.6 16.9 25.3

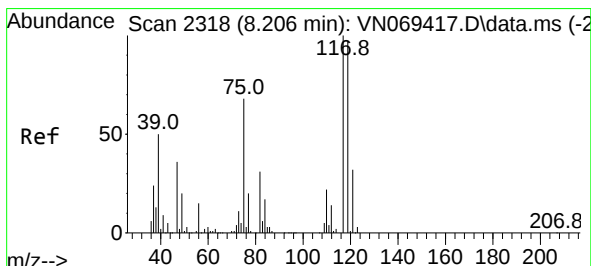
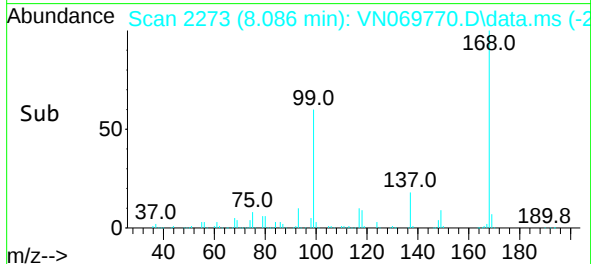
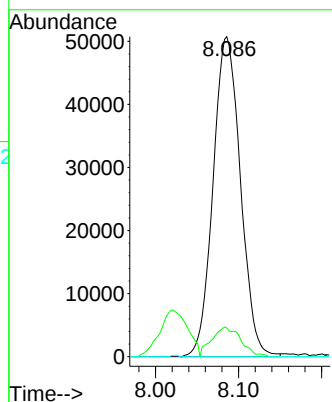
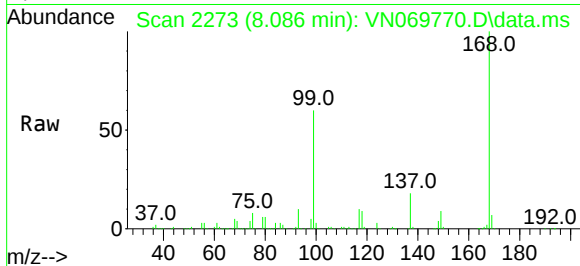




#36
1,1-Dichloropropene
Concen: 4.996 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

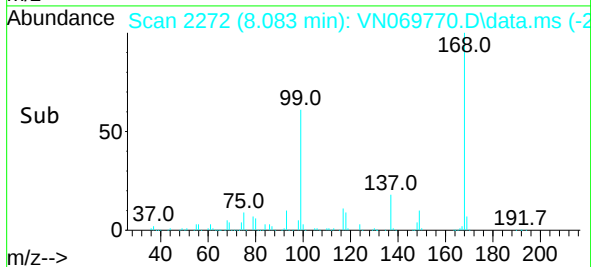
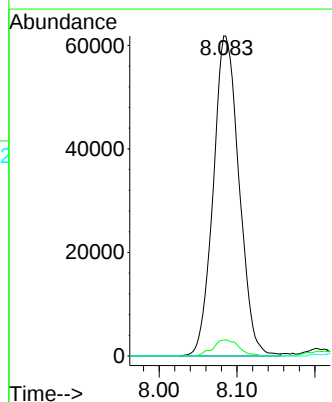
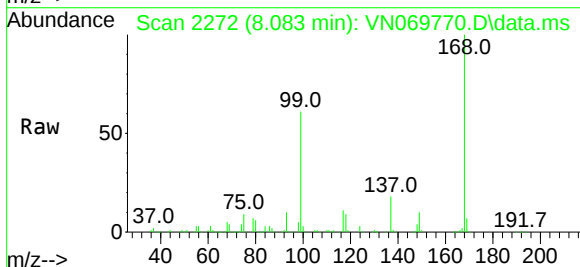
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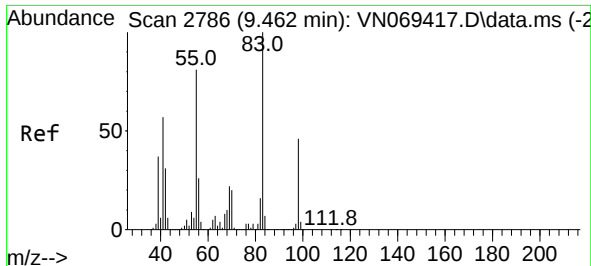
Tgt Ion: 75 Resp: 116037
Ion Ratio Lower Upper
75 100
110 9.9 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.236 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

Tgt Ion: 117 Resp: 142016
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#

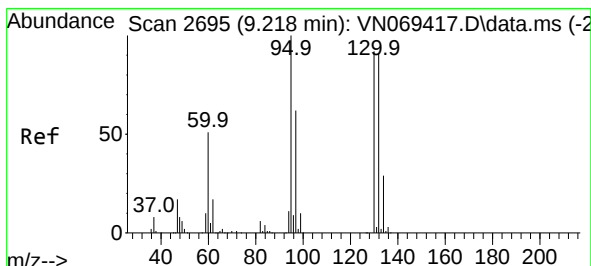
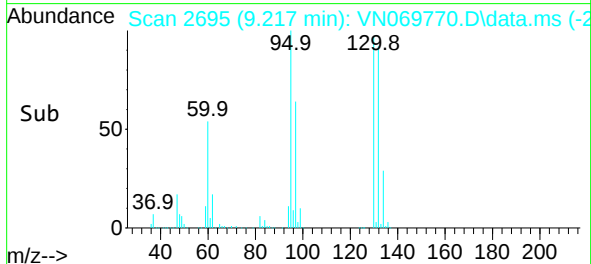
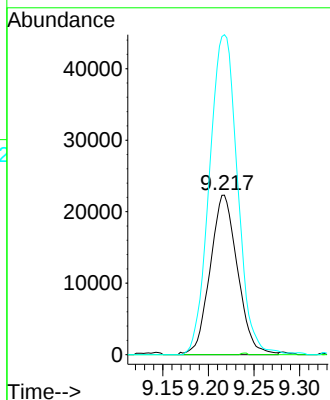
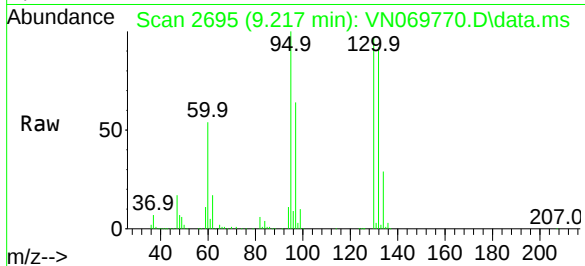




#39
Methylcyclohexane
Concen: 1.686 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.244 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

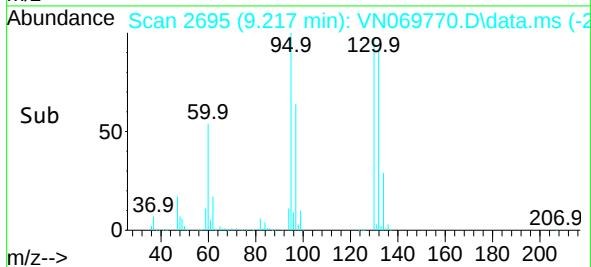
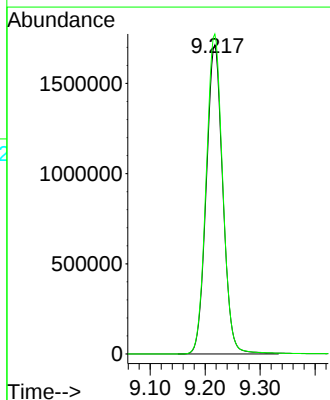
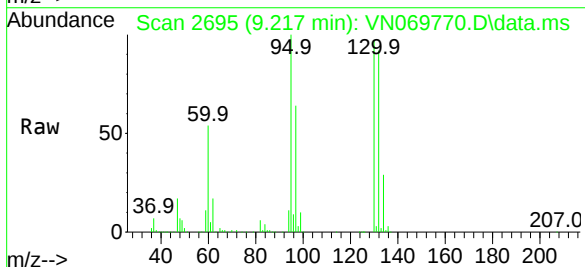
Instrument :
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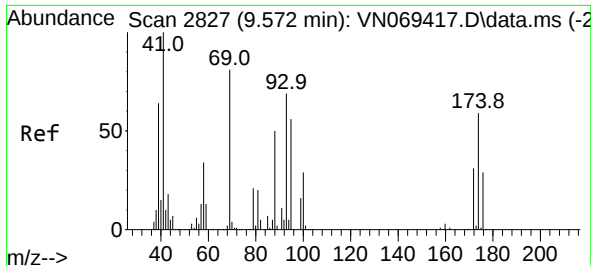
Tgt Ion: 83 Resp: 46579
Ion Ratio Lower Upper
83 100
55 0.0 58.1 87.1#
98 200.6 38.4 57.6#



#44
Trichloroethene
Concen: 211.037 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

Tgt Ion:130 Resp: 3575629
Ion Ratio Lower Upper
130 100
95 103.6 0.0 191.2





#49

1,4-Dioxane

Concen: 0.404 ug/l

RT: 9.577 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN069770.D

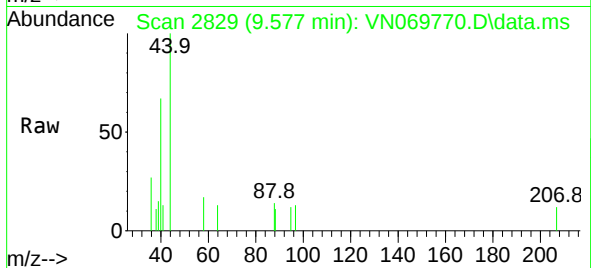
Acq: 4 Dec 2021 17:13

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20211130



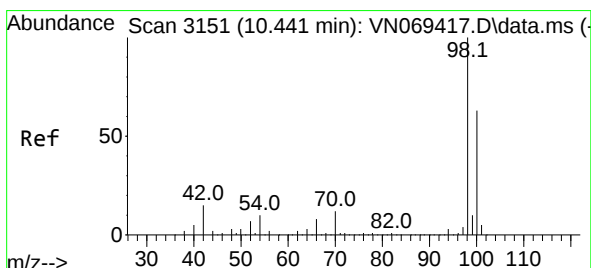
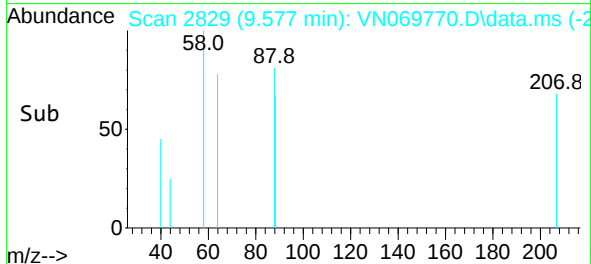
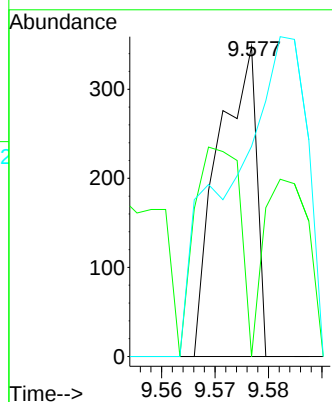
Tgt Ion: 88 Resp: 173

Ion Ratio Lower Upper

88 100

43 66.5 23.4 35.2#

58 207.5 50.6 75.8#



#50

Toluene-d8

Concen: 50.906 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN069770.D

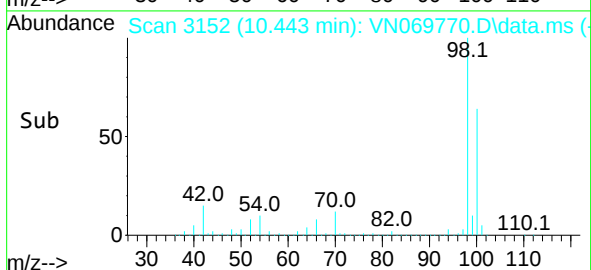
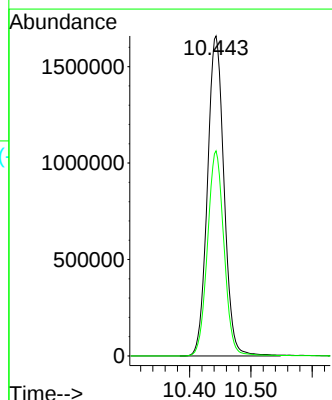
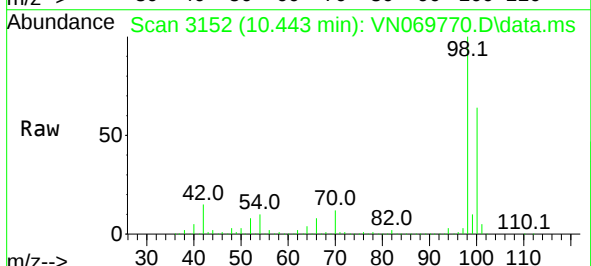
Acq: 4 Dec 2021 17:13

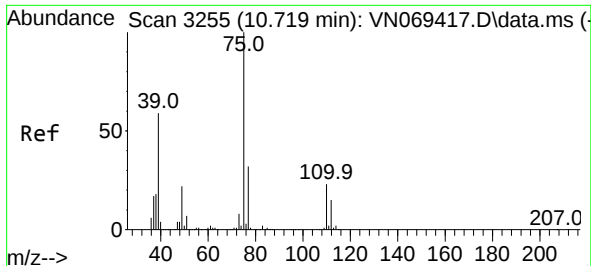
Tgt Ion: 98 Resp: 3123489

Ion Ratio Lower Upper

98 100

100 63.8 50.4 75.6





#53

t-1,3-Dichloropropene

Concen: 2.795 ug/l

RT: 10.725 min Scan# 3146

Delta R.T. 0.006 min

Lab File: VN069770.D

Acq: 4 Dec 2021 17:13

Instrument :

MSVOA_N

ClientSampleId :

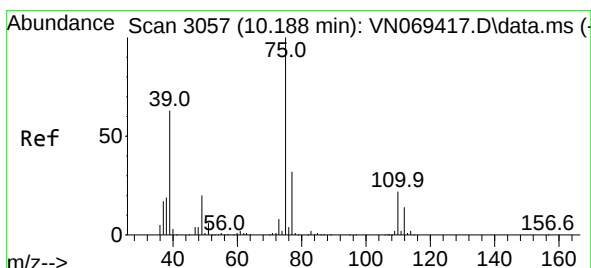
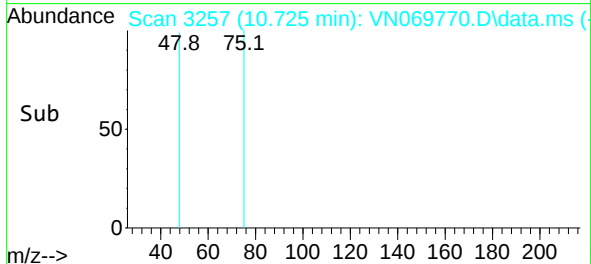
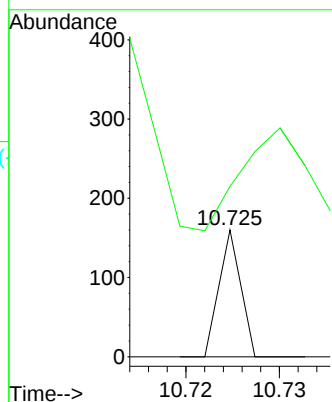
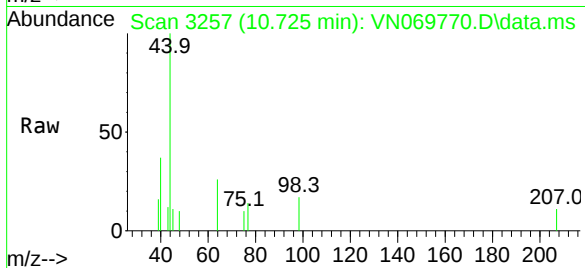
DUP01-20211130

Tgt Ion: 75 Resp: 26

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 2.001 ug/l

RT: 10.427 min Scan# 3146

Delta R.T. 0.236 min

Lab File: VN069770.D

Acq: 4 Dec 2021 17:13

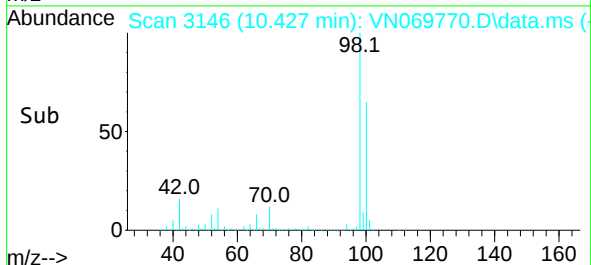
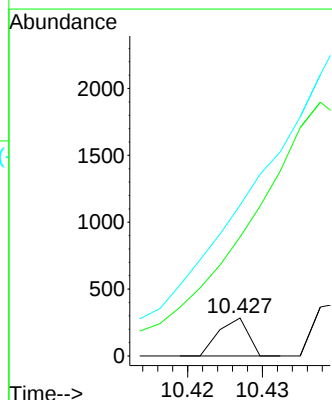
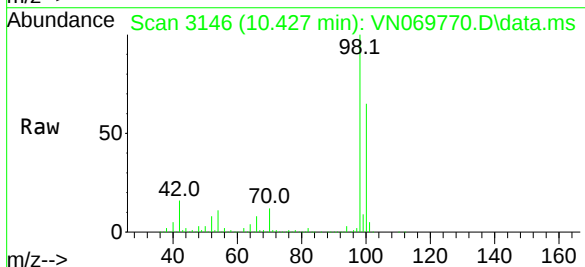
Tgt Ion: 75 Resp: 77

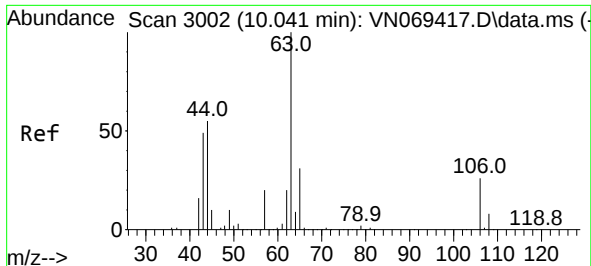
Ion Ratio Lower Upper

75 100

77 185.5 26.4 39.6#

39 211.3 42.5 63.7#

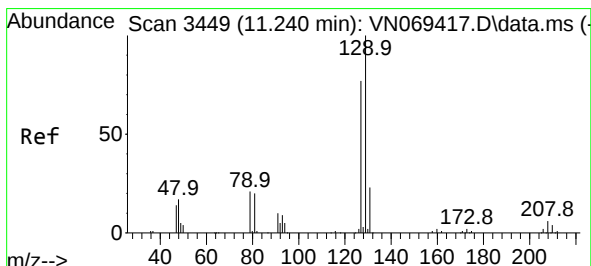
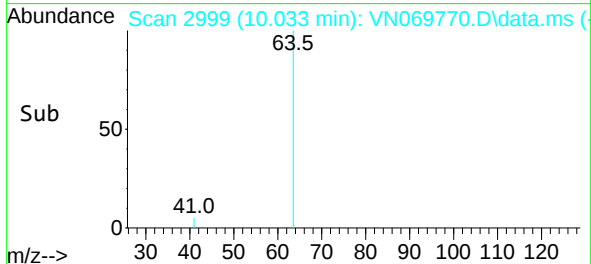
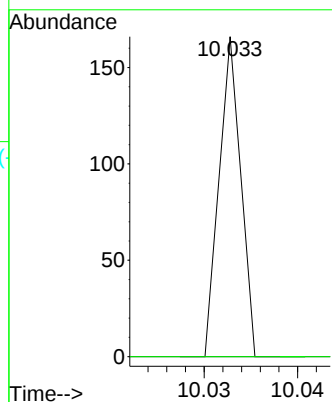
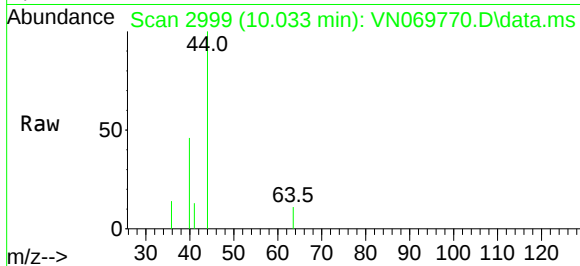




#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 10.033 min Scan# 24
Delta R.T. -0.010 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

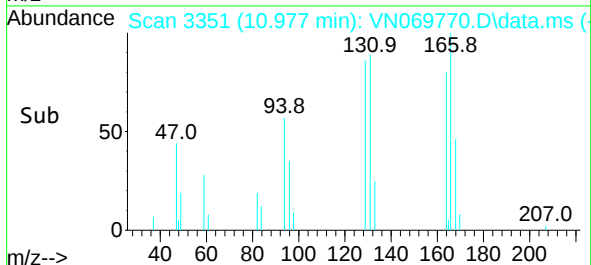
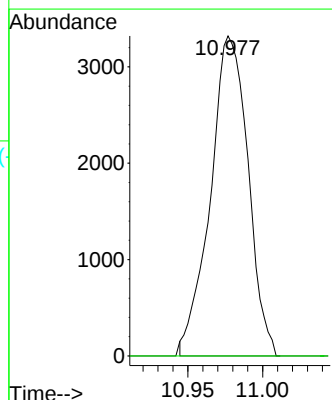
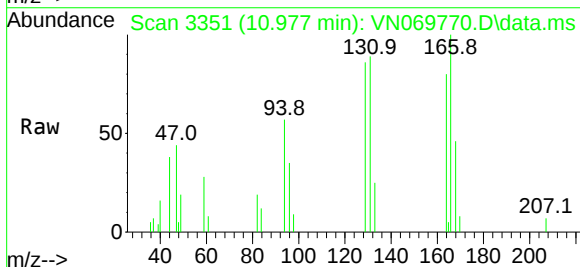
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20211130

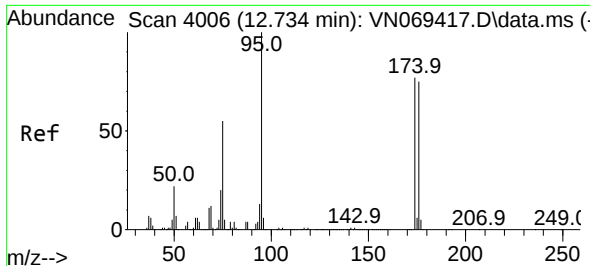
Tgt Ion: 63 Resp: 27
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.672 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

Tgt Ion:129 Resp: 5814
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

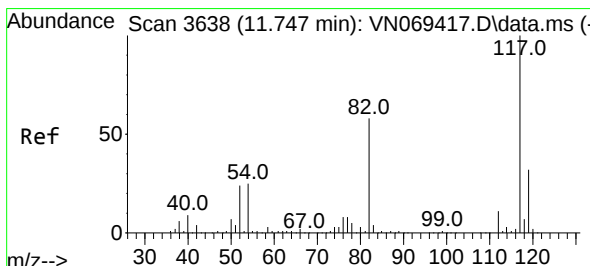
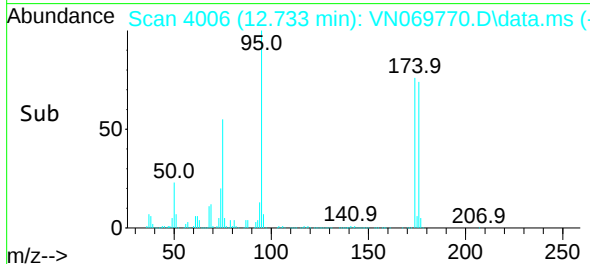
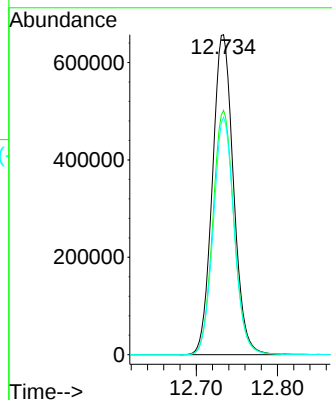
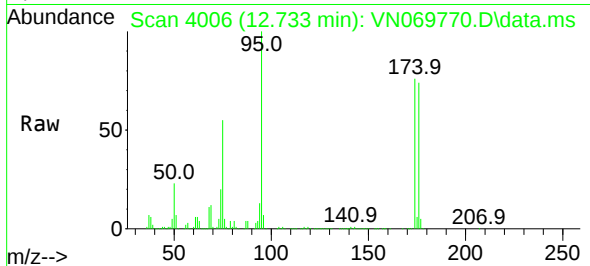




#62
4-Bromofluorobenzene
Concen: 53.271 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

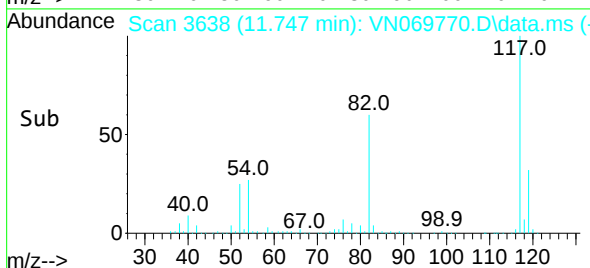
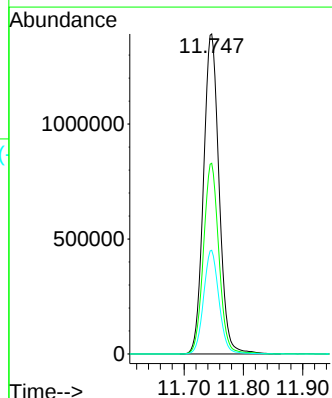
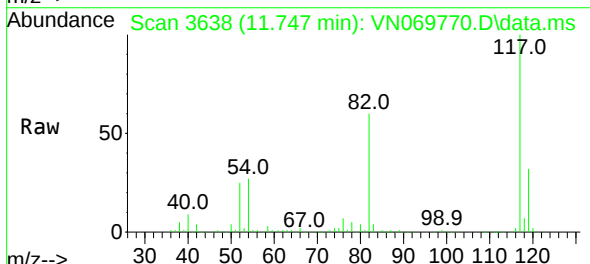
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20211130

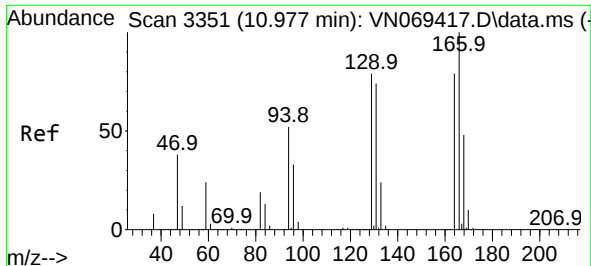
Tgt Ion: 95 Resp: 1184165
Ion Ratio Lower Upper
95 100
174 76.9 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

Tgt Ion: 117 Resp: 2536684
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 32.4 25.4 38.2

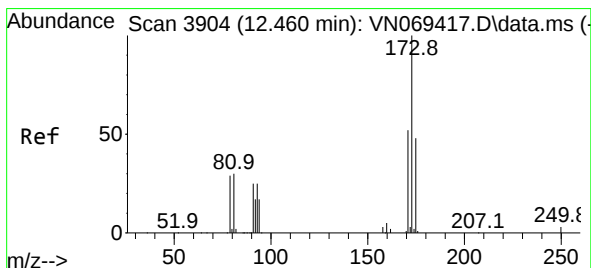
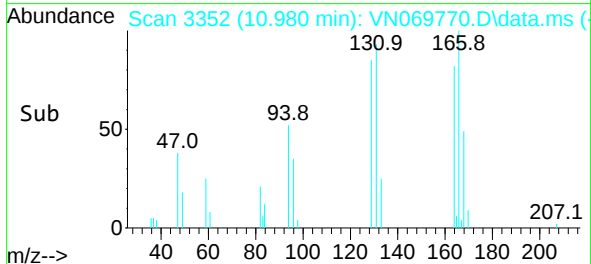
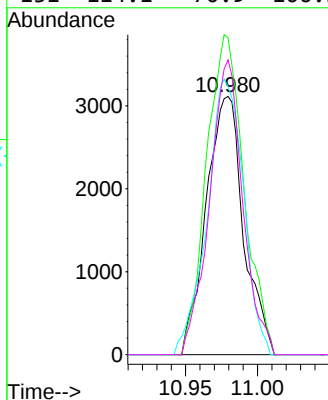
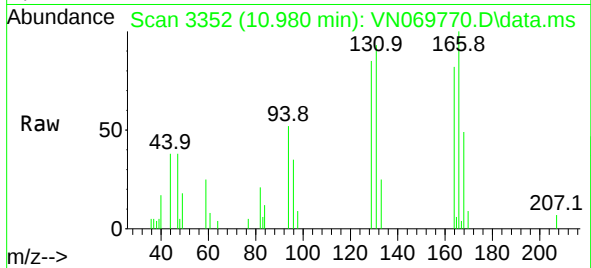




#64
Tetrachloroethene
Concen: 0.326 ug/l
RT: 10.980 min Scan# 31
Delta R.T. 0.001 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

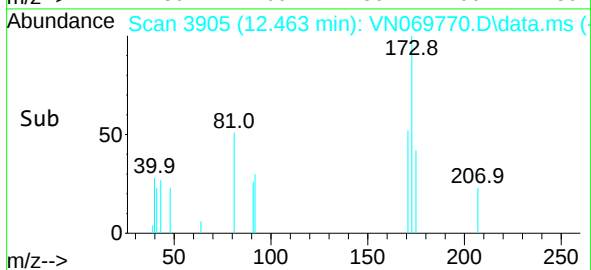
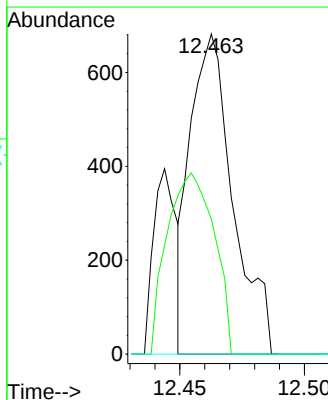
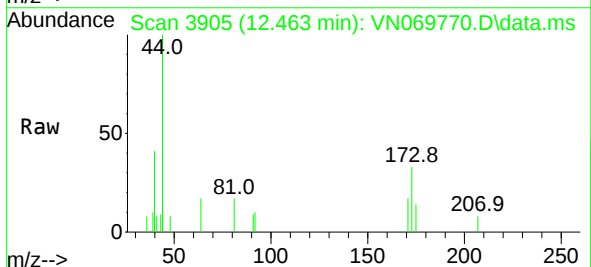
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20211130

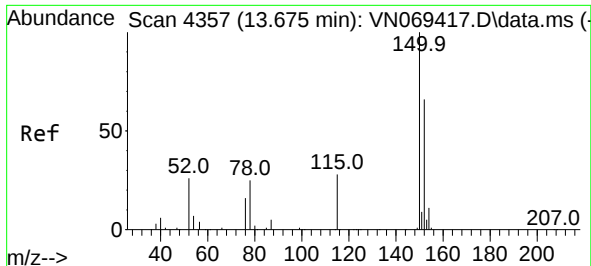
Tgt Ion:164 Resp: 5607
Ion Ratio Lower Upper
164 100
166 122.7 101.9 152.9
129 104.0 72.0 108.0
131 114.1 70.9 106.3#



#71
Bromoform
Concen: 2.781 ug/l
RT: 12.463 min Scan# 3905
Delta R.T. 0.003 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

Tgt Ion:173 Resp: 816
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0

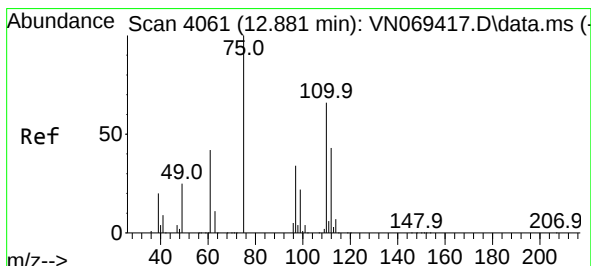
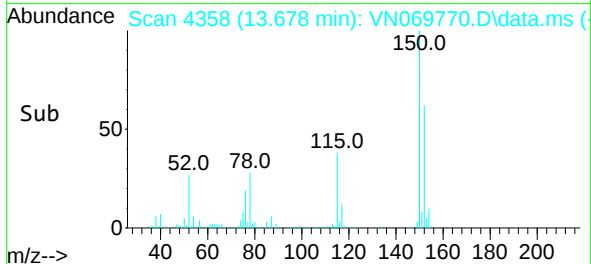
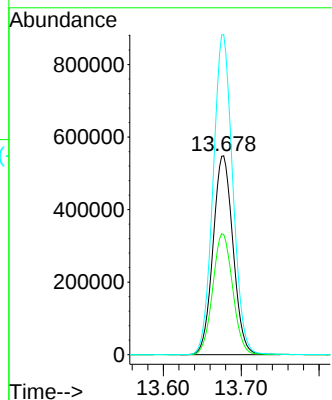
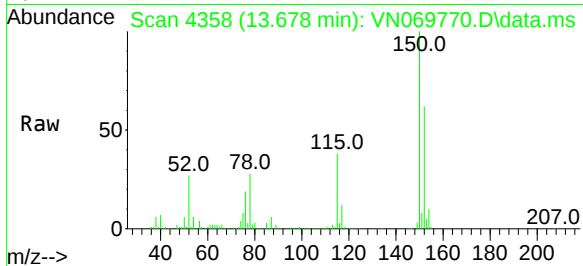




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

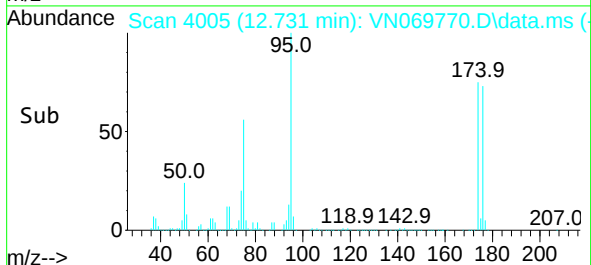
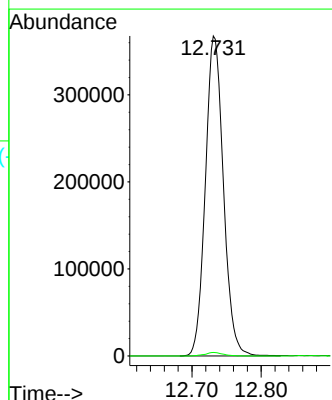
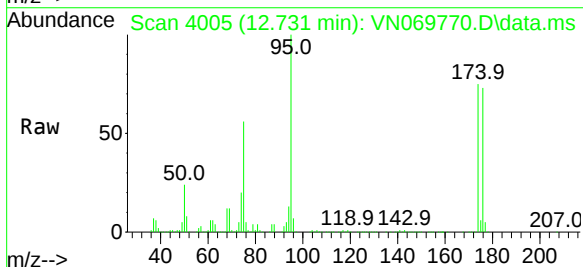
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20211130

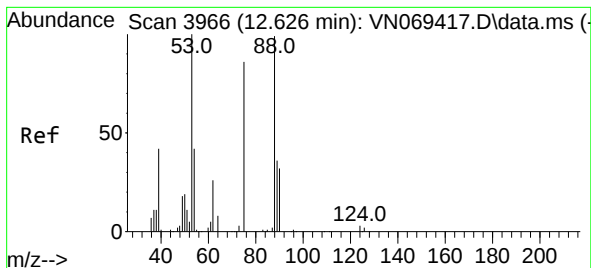
Tgt Ion:152 Resp: 976760
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 157.9 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.758 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

Tgt Ion: 75 Resp: 665481
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

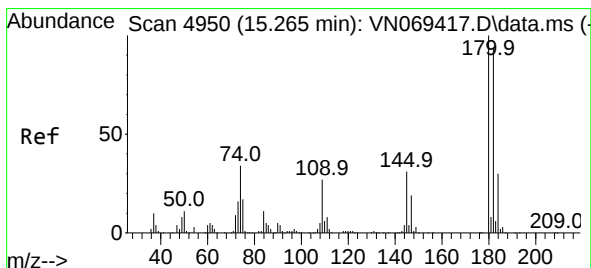
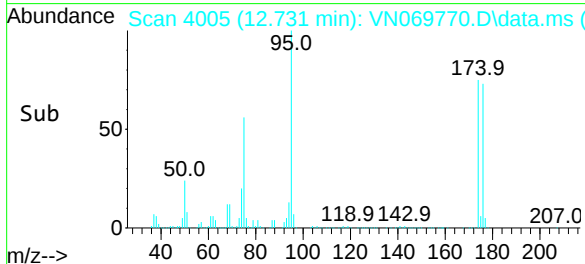
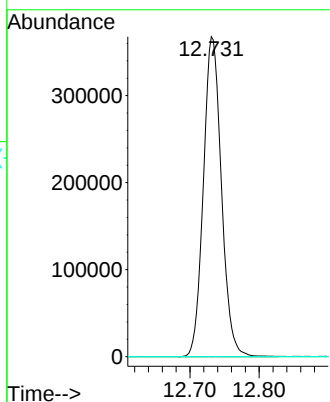
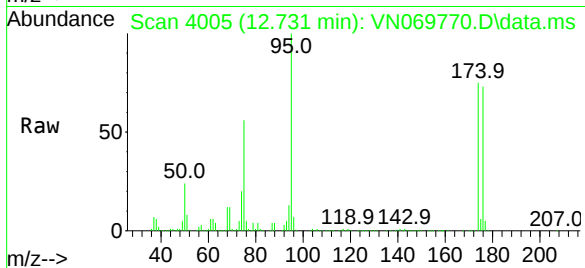




#81
trans-1,4-Dichloro-2-butene
Concen: 75.502 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

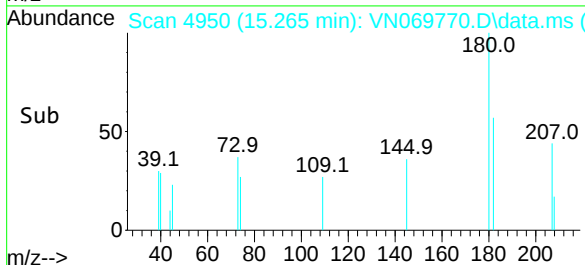
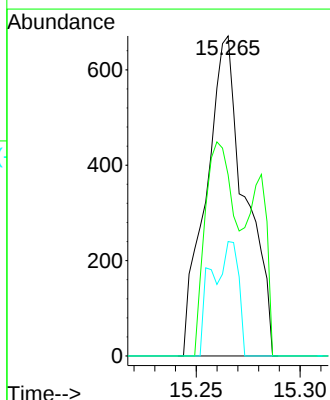
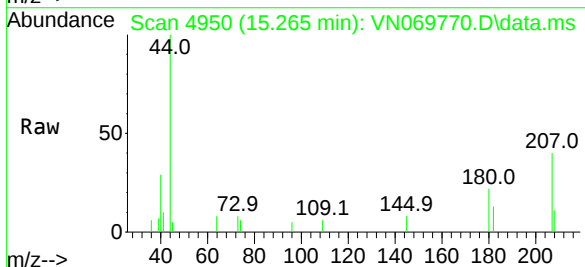
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20211130

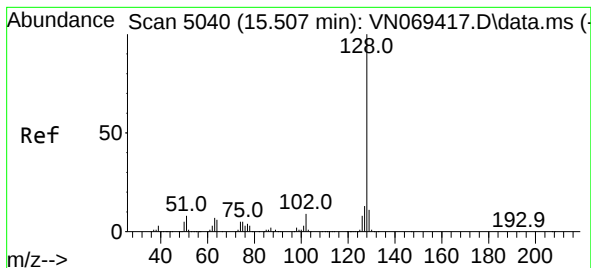
Tgt Ion: 75 Resp: 665481
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.930 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069770.D
Acq: 4 Dec 2021 17:13

Tgt Ion:180 Resp: 880
Ion Ratio Lower Upper
180 100
182 49.5 48.3 144.9
145 14.9 14.5 43.5





#95

Naphthalene

Concen: 4.046 ug/l

RT: 15.515 min Scan# 5043

Delta R.T. 0.008 min

Lab File: VN069770.D

Acq: 4 Dec 2021 17:13

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20211130

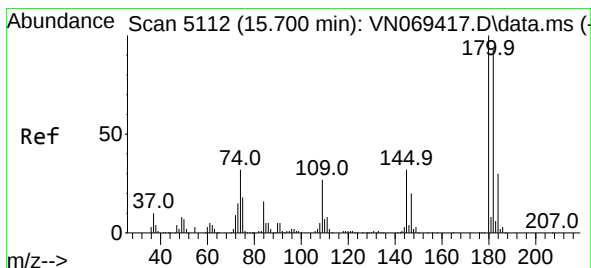
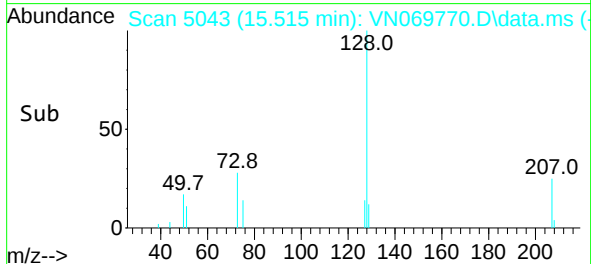
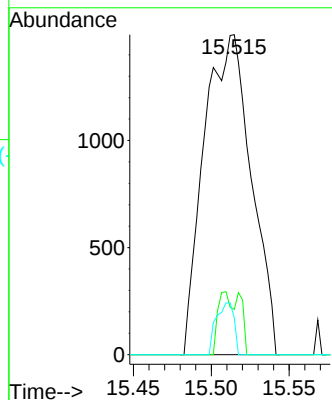
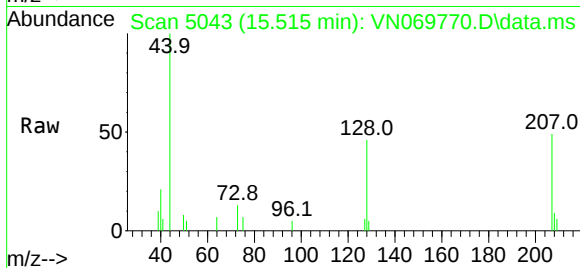
Tgt Ion:128 Resp: 3149

Ion Ratio Lower Upper

128 100

127 9.0 10.5 15.7#

129 6.1 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.470 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. -0.002 min

Lab File: VN069770.D

Acq: 4 Dec 2021 17:13

Tgt Ion:180 Resp: 564

Ion Ratio Lower Upper

180 100

182 166.3 47.4 142.2#

145 0.0 15.0 45.1#

