

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069730.D
 Acq On : 3 Dec 2021 20:19
 Operator : JC/MD
 Sample : M4922-06 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D7-20211129

Quant Time: Dec 04 05:36:36 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)

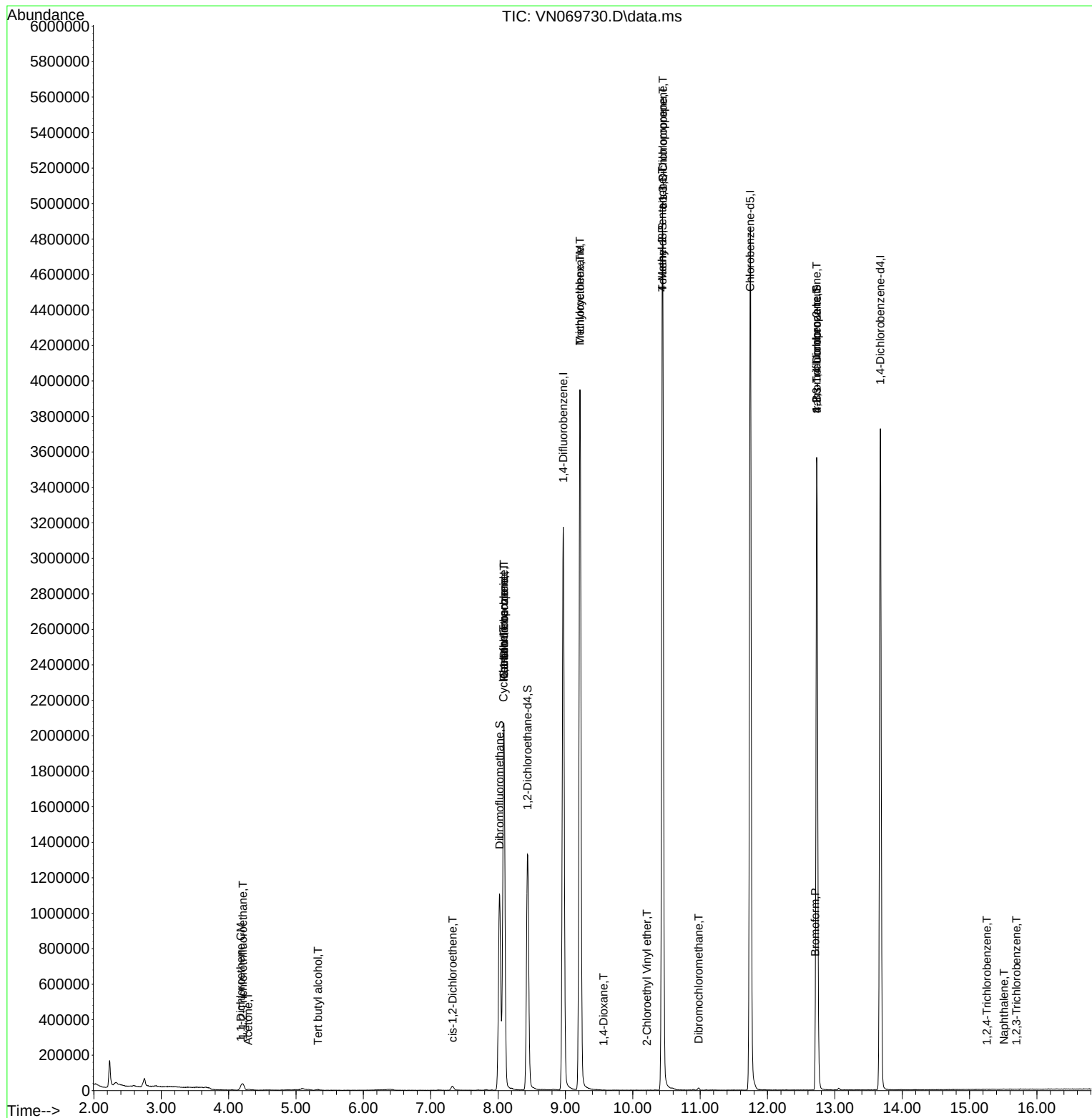
Internal Standards						
1) Pentafluorobenzene	8.088	168	1543989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2681789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2719172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	994674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1171167	49.128	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.260%		
35) Dibromofluoromethane	8.021	113	809195	48.172	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.340%		
50) Toluene-d8	10.440	98	3453582	51.202	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.400%		
62) 4-Bromofluorobenzene	12.731	95	1245394	50.966	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.940%		
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.210	101	21856	1.432	ug/l #	88
11) Tert butyl alcohol	5.329	59	2598	0.577	ug/l #	71
12) 1,1-Dichloroethene	4.181	96	4752	0.323	ug/l #	91
16) Acetone	4.291	43	2987	0.208	ug/l #	68
27) cis-1,2-Dichloroethene	7.327	96	4167	0.216	ug/l	46
31) Cyclohexane	8.080	56	41964	1.265	ug/l #	41
36) 1,1-Dichloropropene	8.086	75	130544	5.113	ug/l #	49
38) Carbon Tetrachloride	8.086	117	159691	6.379	ug/l #	16
39) Methylcyclohexane	9.215	83	18173	0.598	ug/l #	1
44) Trichloroethene	9.215	130	1386404	74.437	ug/l	91
49) 1,4-Dioxane	9.566	88	109	0.231	ug/l #	1
51) 4-Methyl-2-Pentanone	10.438	43	18645	0.511	ug/l #	1
53) t-1,3-Dichloropropene	10.446	75	1096	2.827	ug/l #	1
54) cis-1,3-Dichloropropene	10.446	75	1121	2.031	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.212	63	25	18.391	ug/l #	45
60) Dibromochloromethane	10.979	129	2107	2.474	ug/l #	11
71) Bromoform	12.709	173	499	2.759	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	701645	24.598	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	701645	78.027	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	276	2.894	ug/l #	29
95) Naphthalene	15.512	128	1408	4.012	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.697	180	175	2.446	ug/l #	36

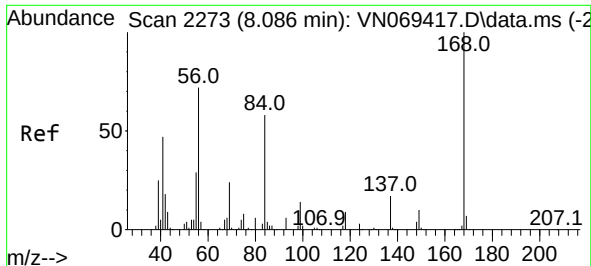
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

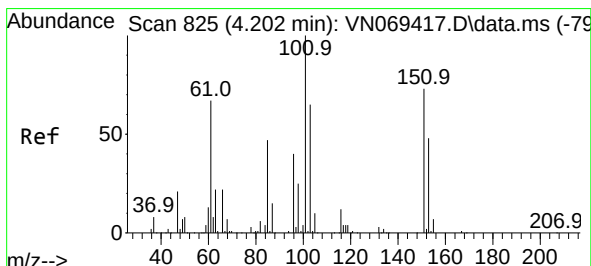
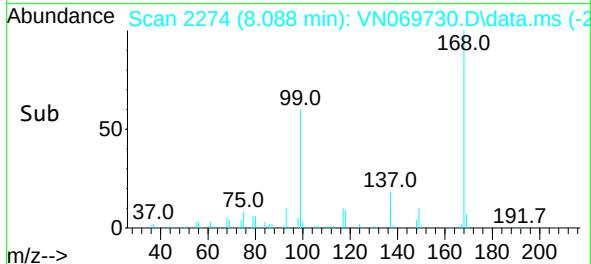
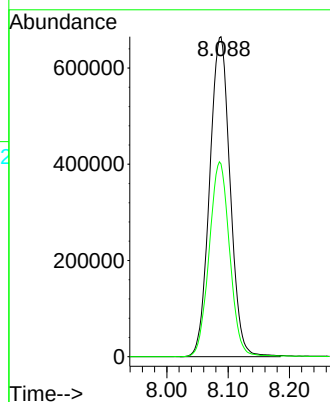
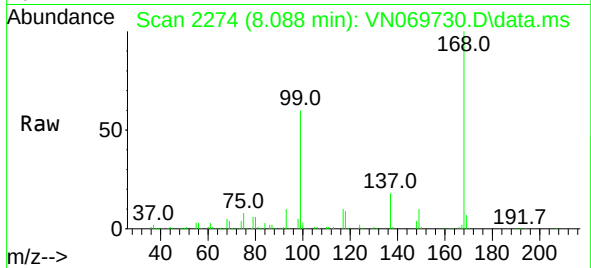




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

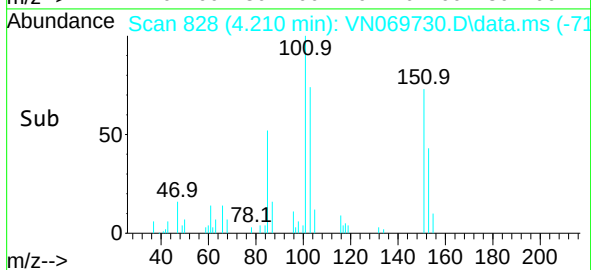
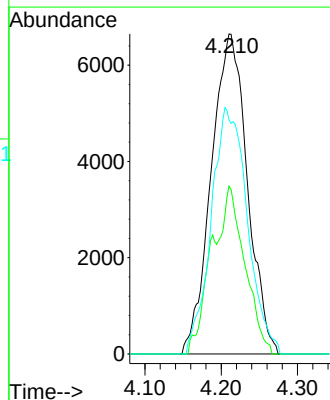
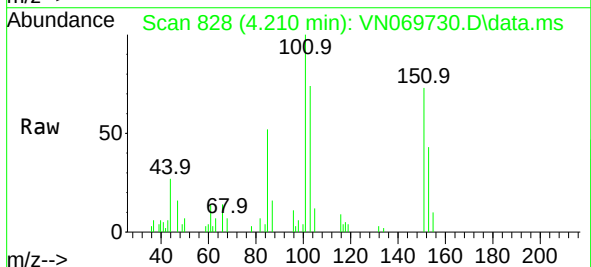
Instrument :
MSVOA_N
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RE132D7-20211129

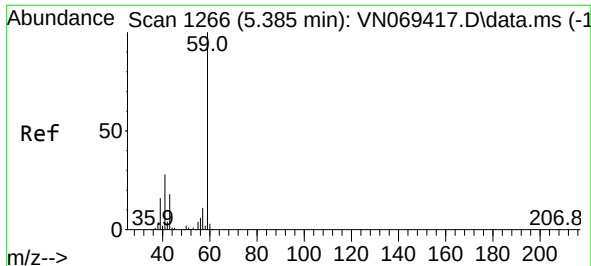
Tgt Ion:168 Resp: 1543989
Ion Ratio Lower Upper
168 100
99 60.3 41.3 61.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.432 ug/l
RT: 4.210 min Scan# 828
Delta R.T. 0.008 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

Tgt Ion:101 Resp: 21856
Ion Ratio Lower Upper
101 100
85 31.0 37.2 55.8#
151 77.0 65.9 98.9

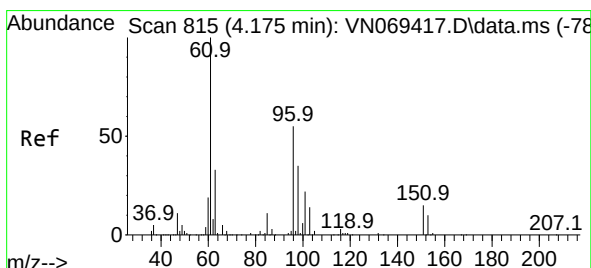
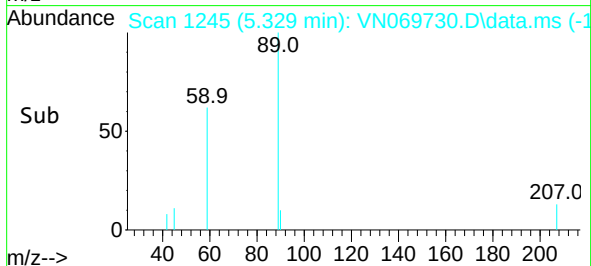
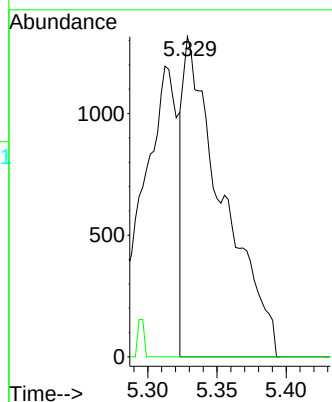
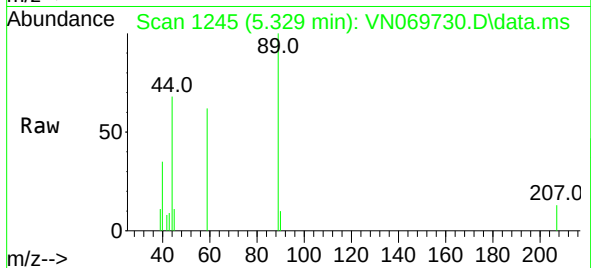




#11
Tert butyl alcohol
Concen: 0.577 ug/l
RT: 5.329 min Scan# 11
Delta R.T. -0.062 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

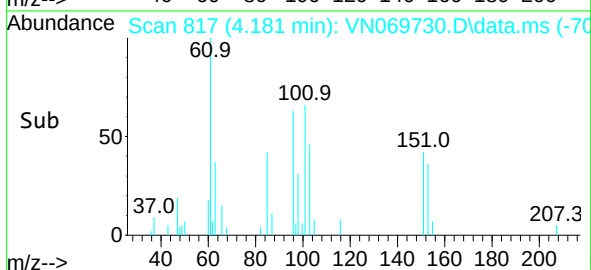
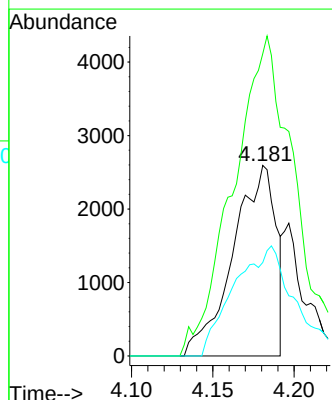
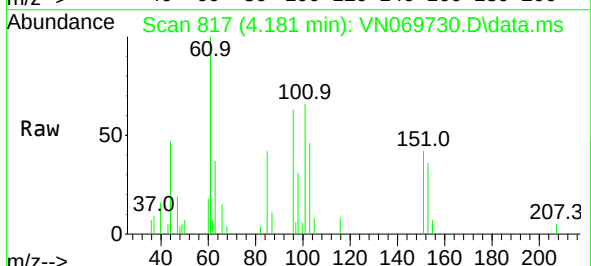
Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20211129

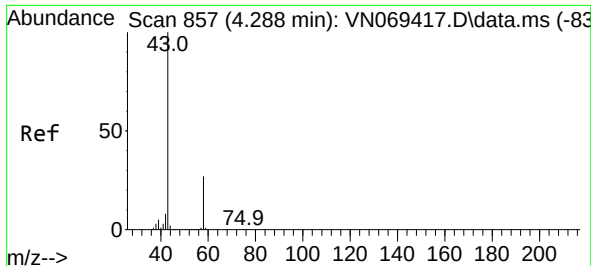
Tgt Ion: 59 Resp: 2598
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 0.323 ug/l
RT: 4.181 min Scan# 817
Delta R.T. 0.005 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

Tgt Ion: 96 Resp: 4752
Ion Ratio Lower Upper
96 100
61 158.7 131.0 196.6
98 49.1 52.4 78.6#

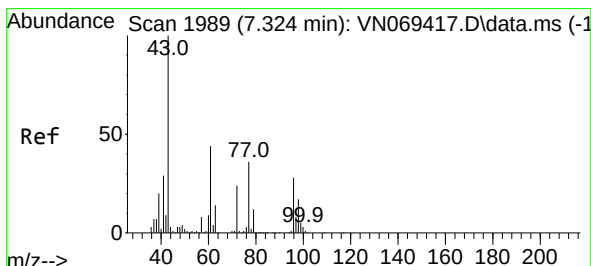
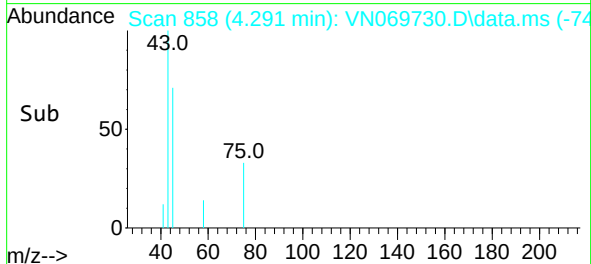
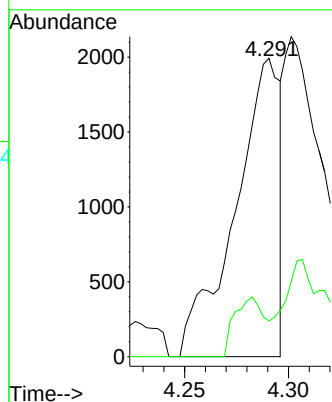
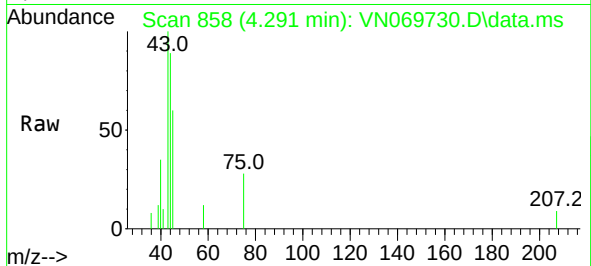




#16
Acetone
Concen: 0.208 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

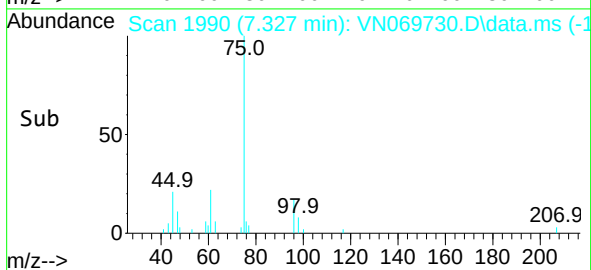
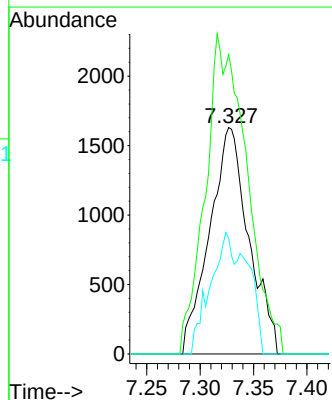
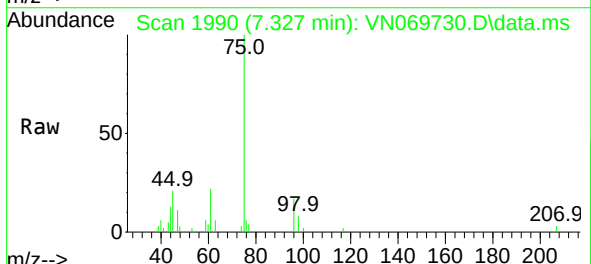
Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20211129

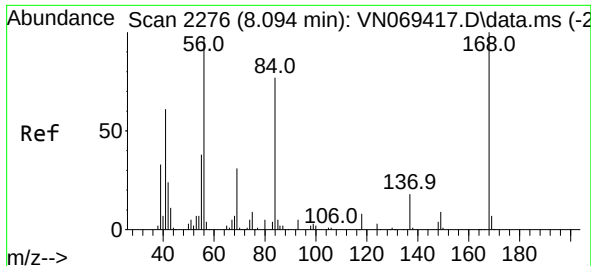
Tgt Ion: 43 Resp: 2987
Ion Ratio Lower Upper
43 100
58 11.9 23.1 34.7#



#27
cis-1,2-Dichloroethene
Concen: 0.216 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

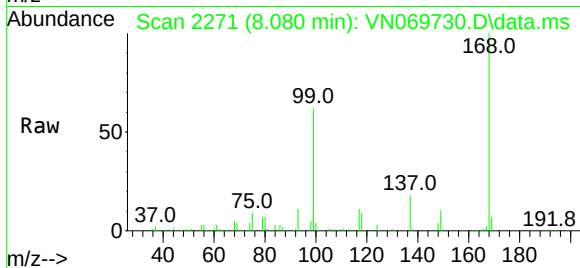
Tgt Ion: 96 Resp: 4167
Ion Ratio Lower Upper
96 100
61 66.4 0.0 275.0
98 31.3 0.0 129.6



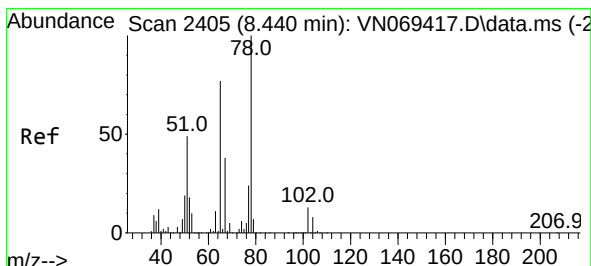
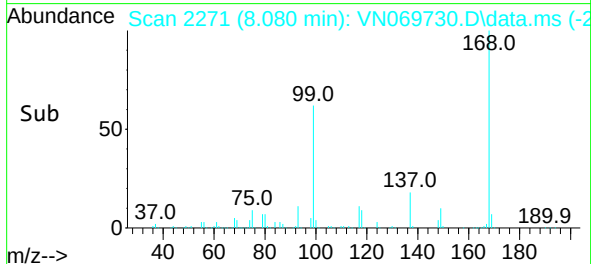
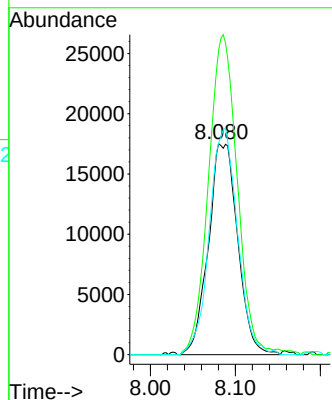


#31
Cyclohexane
Concen: 1.265 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.013 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20211129

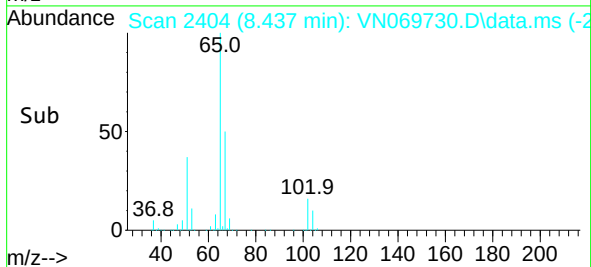
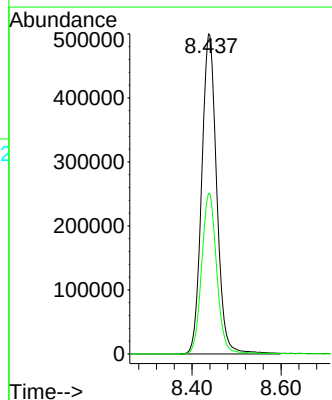
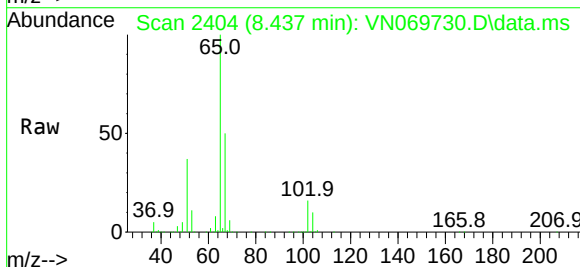


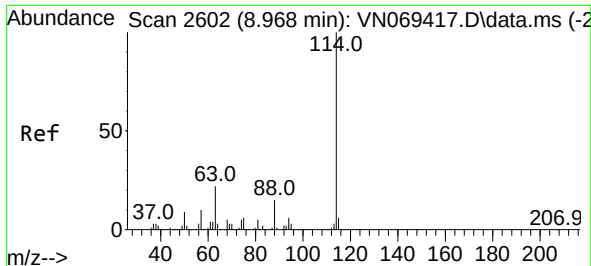
Tgt Ion: 56 Resp: 41964
Ion Ratio Lower Upper
56 100
69 144.1 27.1 40.7#
84 100.3 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 49.128 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

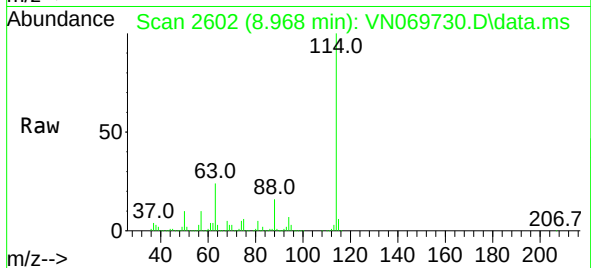
Tgt Ion: 65 Resp: 1171167
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.0





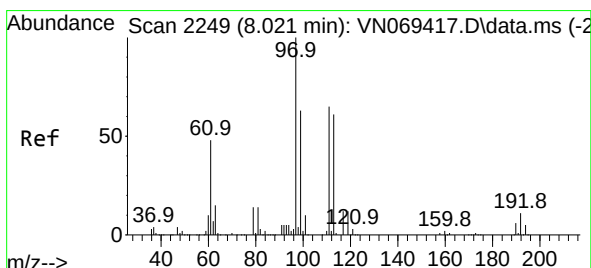
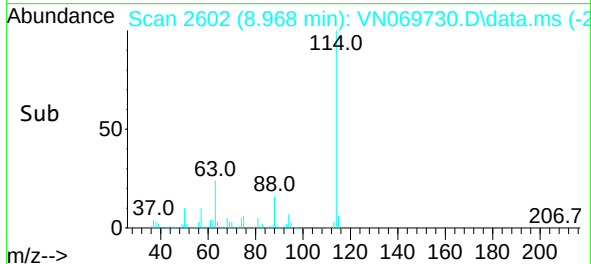
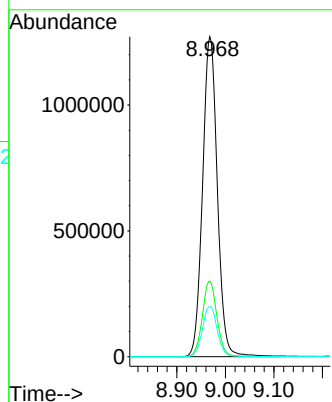
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

Instrument :
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ClientSampleId :
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Tgt Ion:114 Resp: 2681789

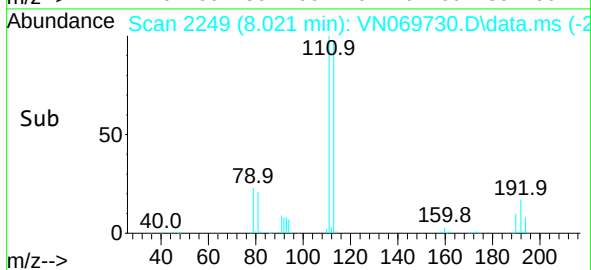
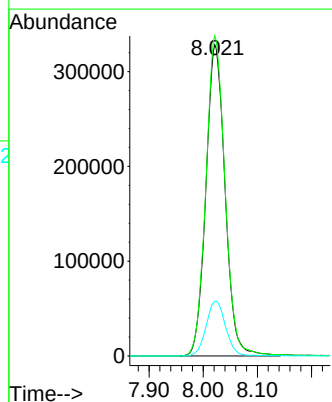
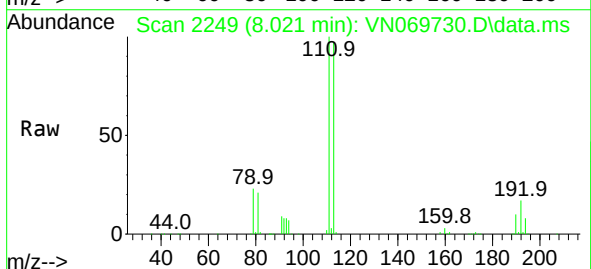
Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	37.8
88	15.7	0.0	27.4

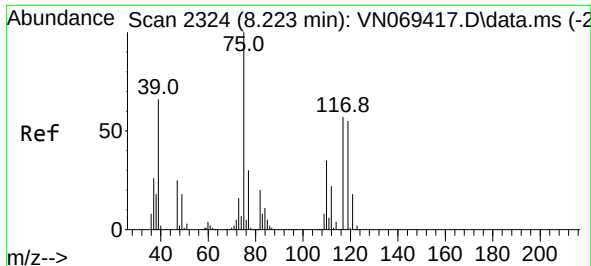


#35
Dibromofluoromethane
Concen: 48.172 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

Tgt Ion:113 Resp: 809195

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.2
192	17.8	16.9	25.3

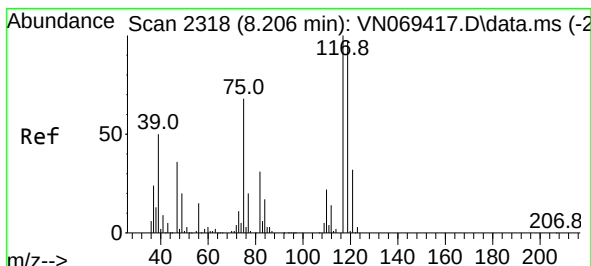
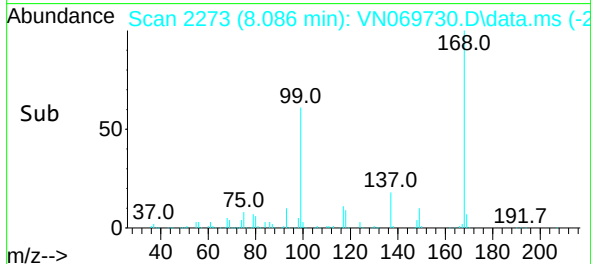
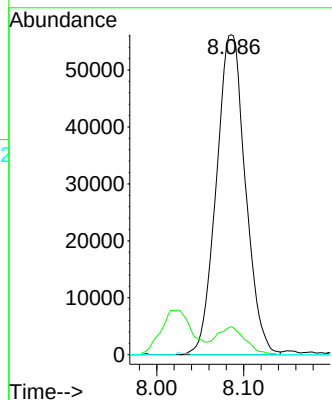
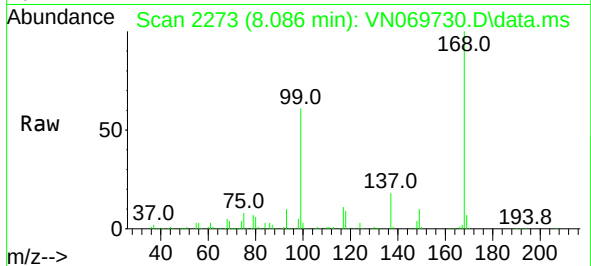




#36
1,1-Dichloropropene
Concen: 5.113 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

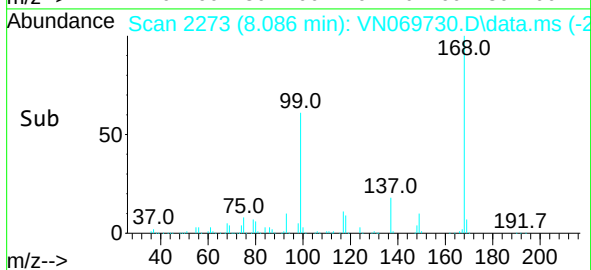
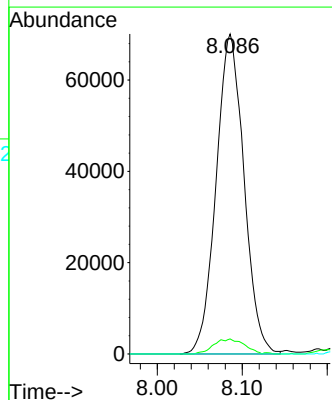
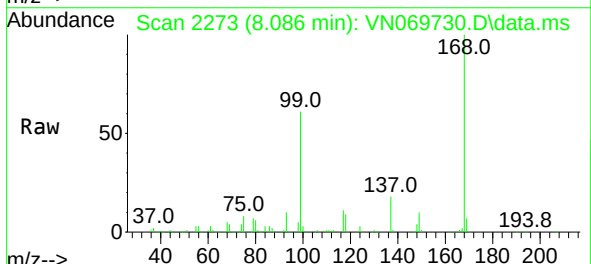
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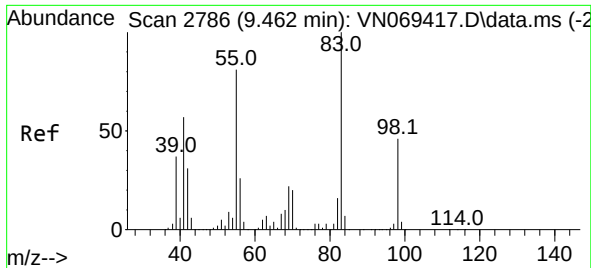
Tgt Ion: 75 Resp: 130544
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.379 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

Tgt Ion: 117 Resp: 159691
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#

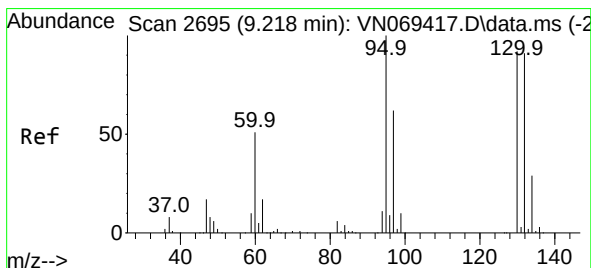
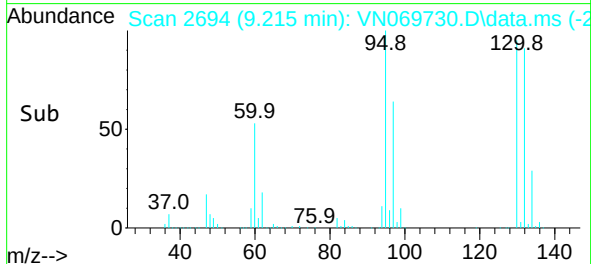
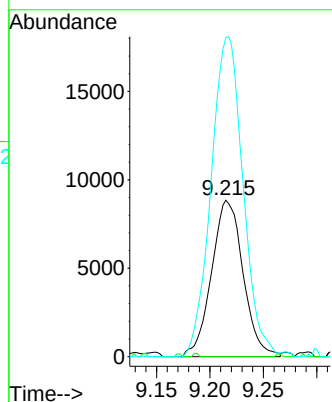
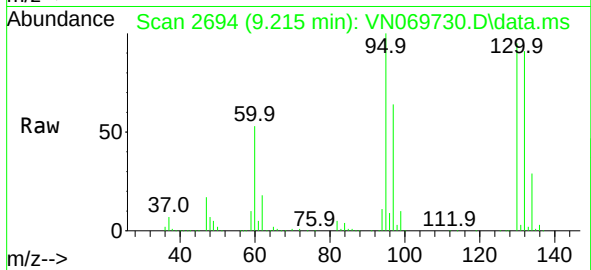




#39
Methylcyclohexane
Concen: 0.598 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.247 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

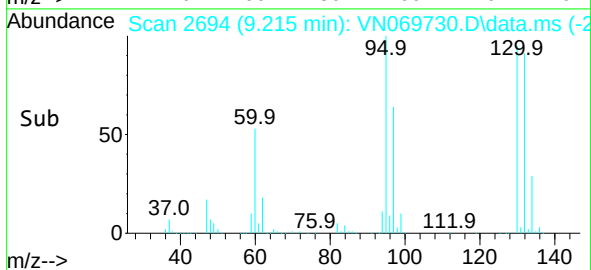
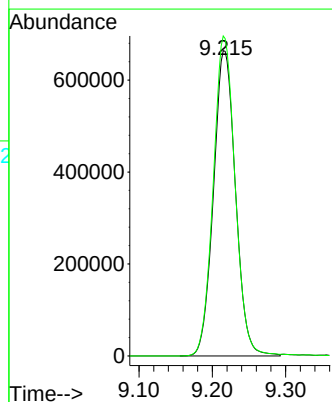
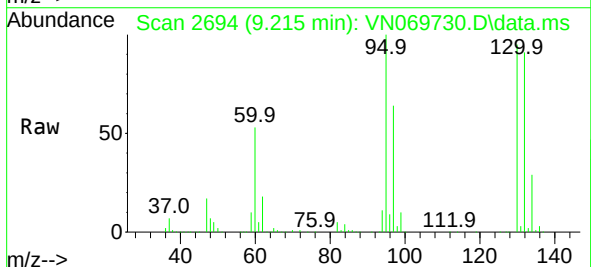
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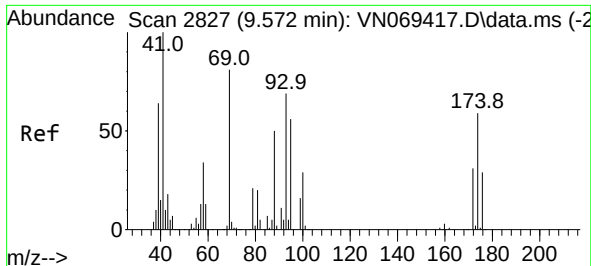
Tgt Ion: 83 Resp: 18173
Ion Ratio Lower Upper
83 100
55 0.0 58.1 87.1#
98 203.7 38.4 57.6#



#44
Trichloroethene
Concen: 74.437 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.002 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

Tgt Ion:130 Resp: 1386404
Ion Ratio Lower Upper
130 100
95 104.8 0.0 191.2





#49

1,4-Dioxane

Concen: 0.231 ug/l

RT: 9.566 min Scan# 21

Delta R.T. -0.005 min

Lab File: VN069730.D

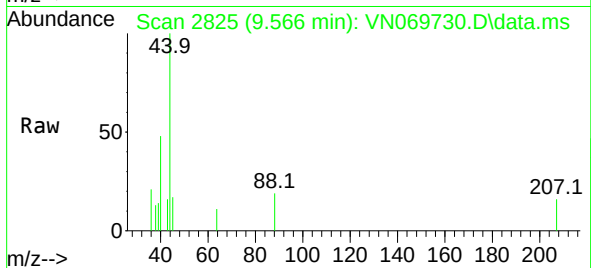
Acq: 3 Dec 2021 20:19

Instrument :

MSVOA_N

ClientSampleId :

RE132D7-20211129



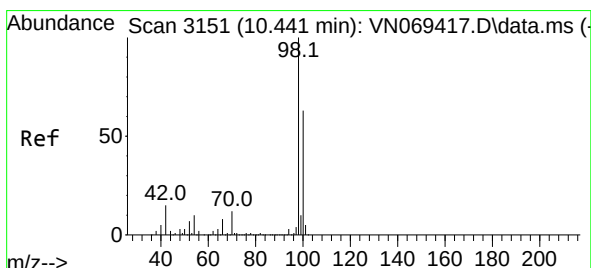
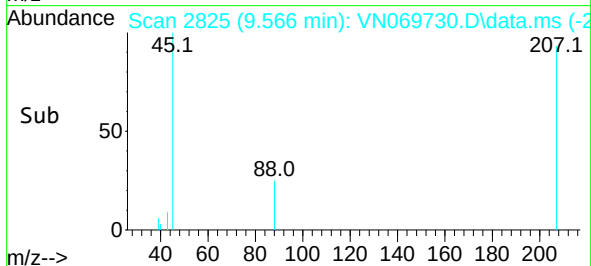
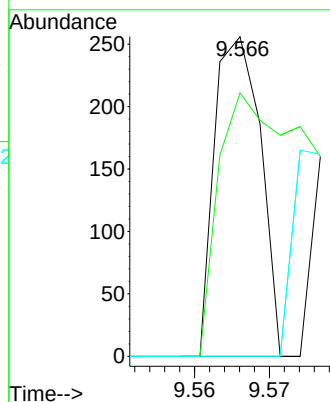
Tgt Ion: 88 Resp: 109

Ion Ratio Lower Upper

88 100

43 159.6 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 51.202 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.003 min

Lab File: VN069730.D

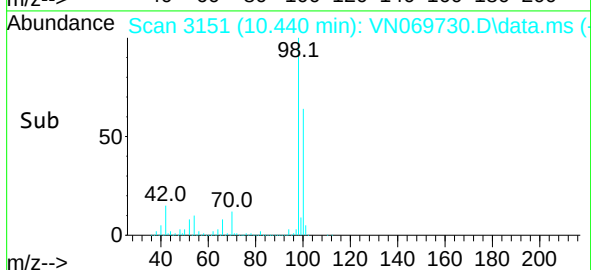
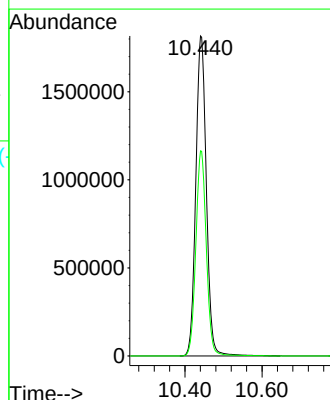
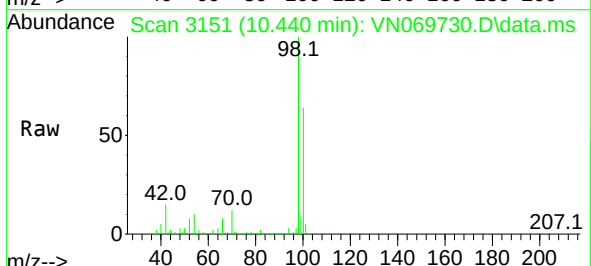
Acq: 3 Dec 2021 20:19

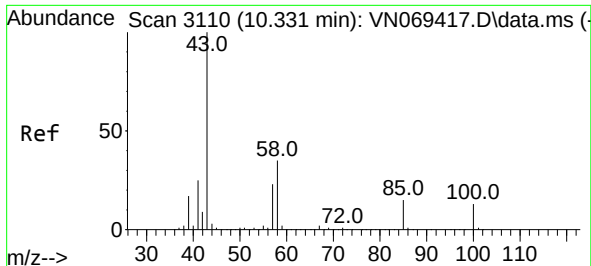
Tgt Ion: 98 Resp: 3453582

Ion Ratio Lower Upper

98 100

100 63.4 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.511 ug/l

RT: 10.438 min Scan# 3110

Delta R.T. 0.105 min

Lab File: VN069730.D

Acq: 3 Dec 2021 20:19

Instrument :

MSVOA_N

ClientSampleId :

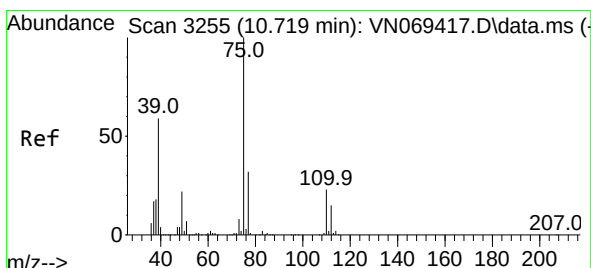
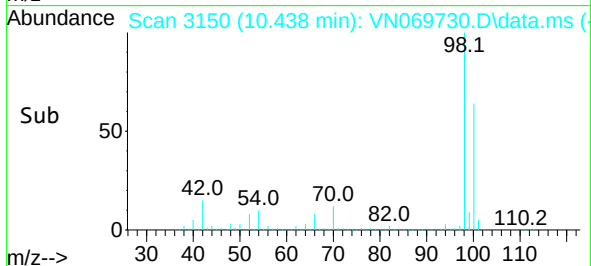
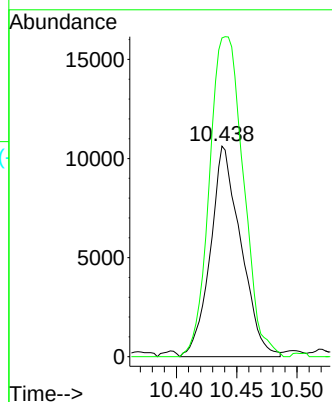
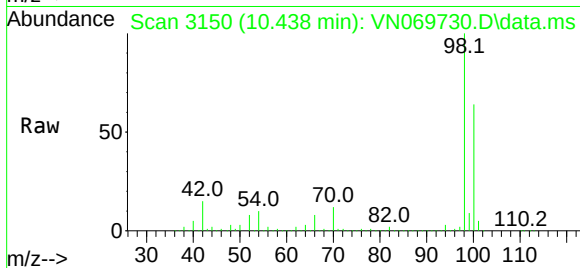
RE132D7-20211129

Tgt Ion: 43 Resp: 18645

Ion Ratio Lower Upper

43 100

58 169.5 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 2.827 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. -0.273 min

Lab File: VN069730.D

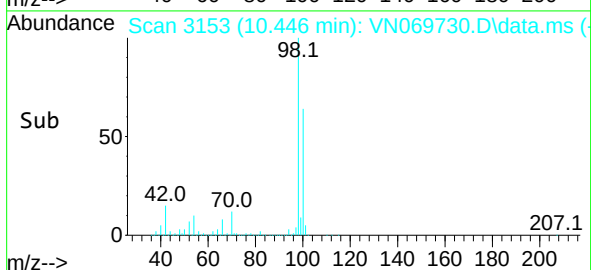
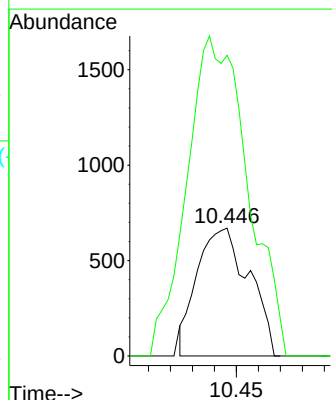
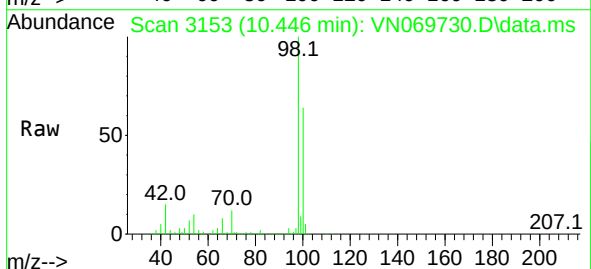
Acq: 3 Dec 2021 20:19

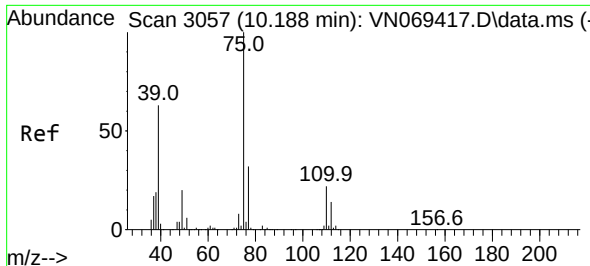
Tgt Ion: 75 Resp: 1096

Ion Ratio Lower Upper

75 100

77 205.7 25.6 38.4#

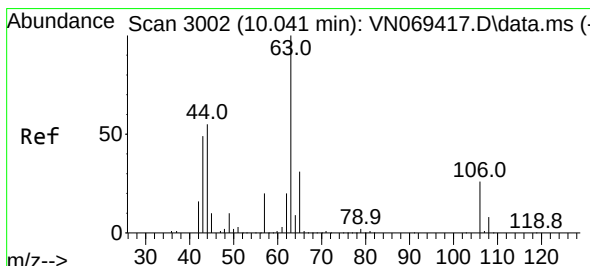
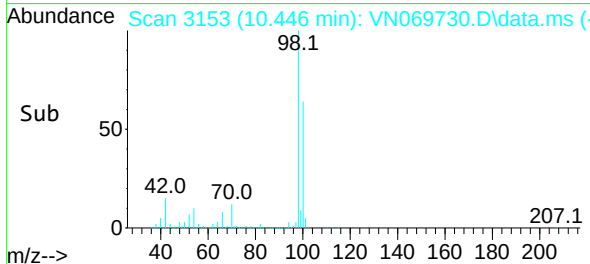
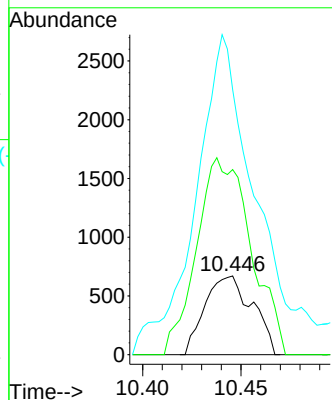
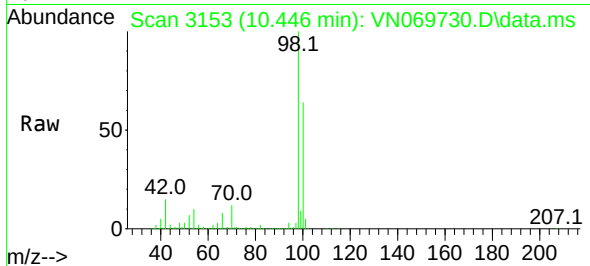




#54
 cis-1,3-Dichloropropene
 Concen: 2.031 ug/l
 RT: 10.446 min Scan# 3153
 Delta R.T. 0.255 min
 Lab File: VN069730.D
 Acq: 3 Dec 2021 20:19

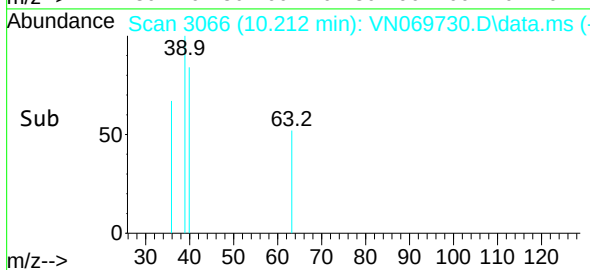
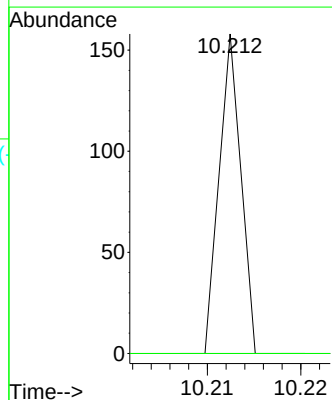
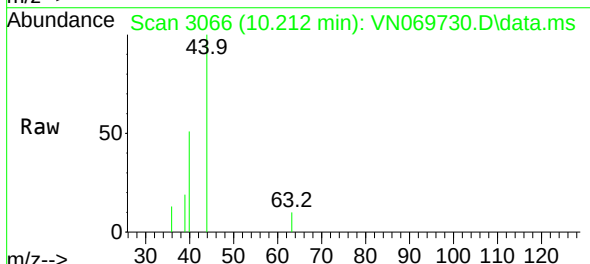
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D7-20211129

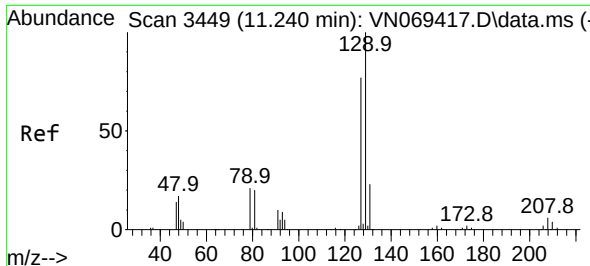
Tgt Ion: 75 Resp: 1121
 Ion Ratio Lower Upper
 75 100
 77 205.7 26.4 39.6#
 39 250.7 42.5 63.7#



#58
 2-Chloroethyl Vinyl ether
 Concen: 18.391 ug/l
 RT: 10.212 min Scan# 3066
 Delta R.T. 0.169 min
 Lab File: VN069730.D
 Acq: 3 Dec 2021 20:19

Tgt Ion: 63 Resp: 25
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#

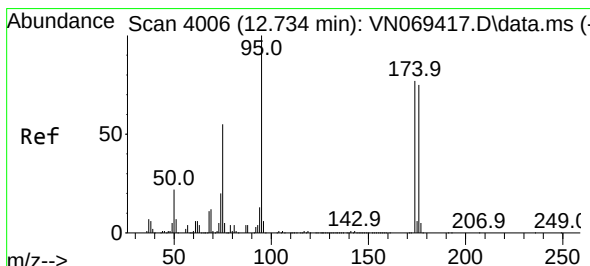
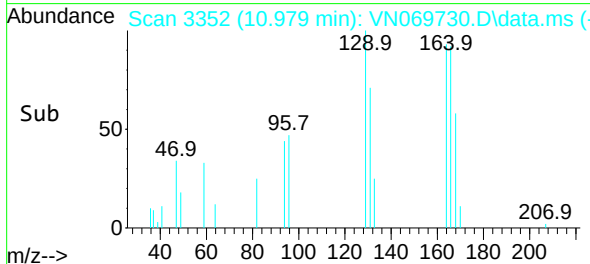
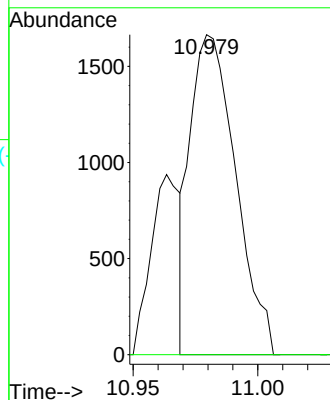
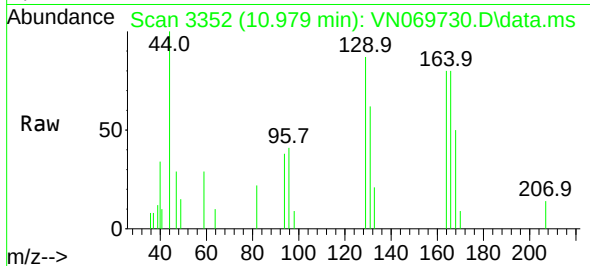




#60
Dibromochloromethane
Concen: 2.474 ug/l
RT: 10.979 min Scan# 31
Delta R.T. -0.261 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

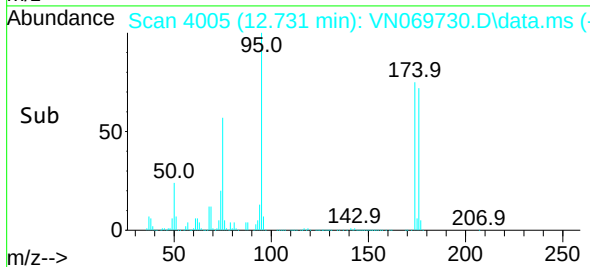
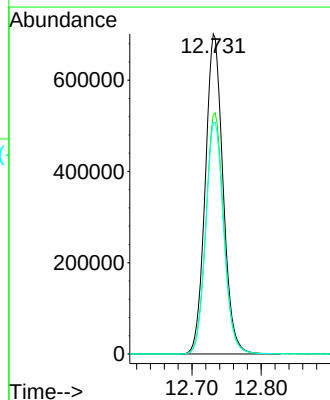
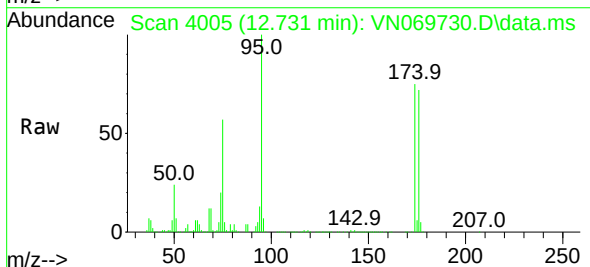
Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20211129

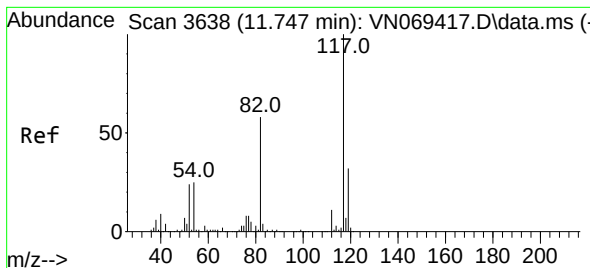
Tgt Ion:129 Resp: 2107
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 50.966 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

Tgt Ion: 95 Resp: 1245394
Ion Ratio Lower Upper
95 100
174 76.2 0.0 187.2
176 73.5 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 30

Delta R.T. -0.002 min

Lab File: VN069730.D

Acq: 3 Dec 2021 20:19

Instrument :

MSVOA_N

ClientSampleId :

RE132D7-20211129

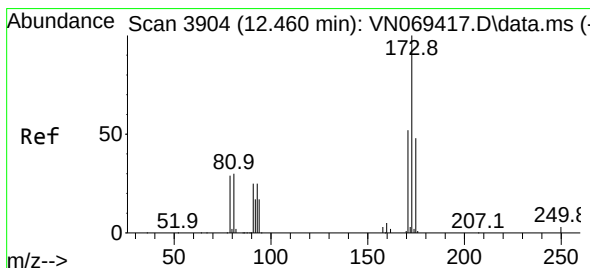
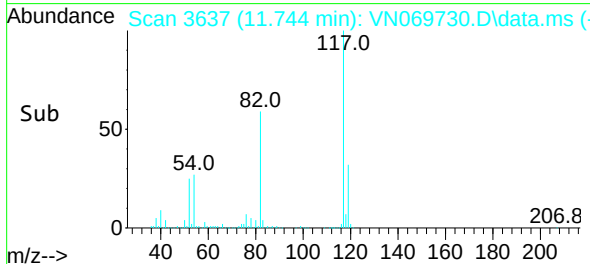
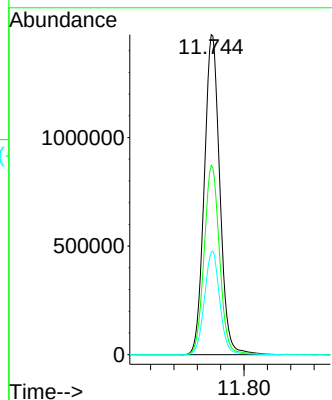
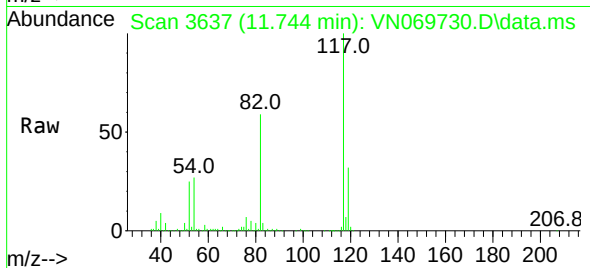
Tgt Ion:117 Resp: 2719172

Ion Ratio Lower Upper

117 100

82 59.1 42.4 63.6

119 32.0 25.4 38.2



#71

Bromoform

Concen: 2.759 ug/l

RT: 12.709 min Scan# 3997

Delta R.T. 0.249 min

Lab File: VN069730.D

Acq: 3 Dec 2021 20:19

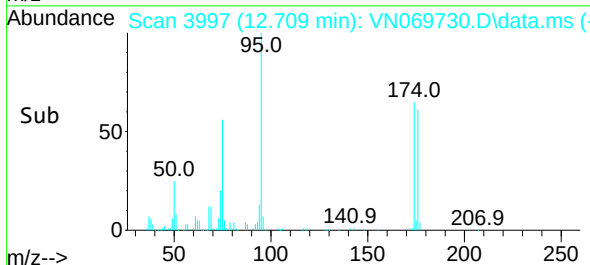
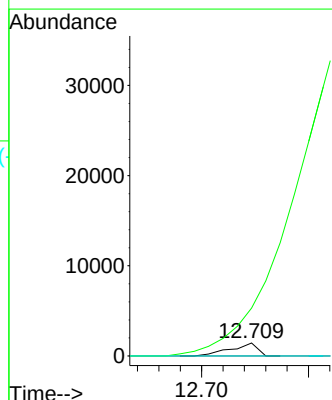
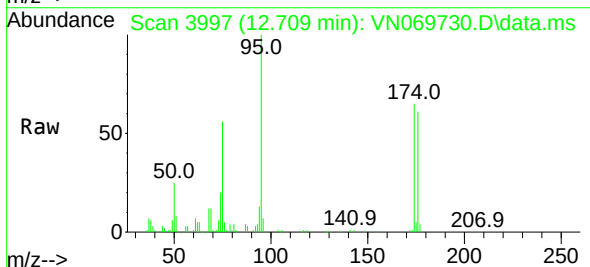
Tgt Ion:173 Resp: 499

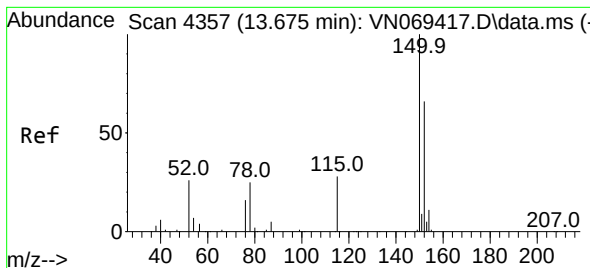
Ion Ratio Lower Upper

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: VN069730.D

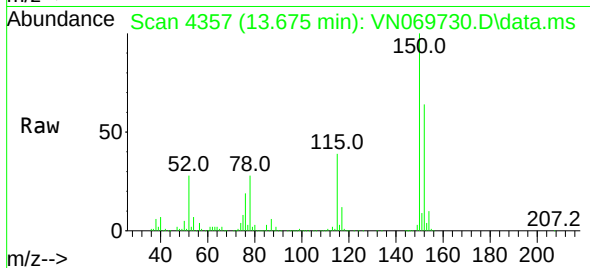
Acq: 3 Dec 2021 20:19

Instrument :

MSVOA_N

ClientSampleId :

RE132D7-20211129



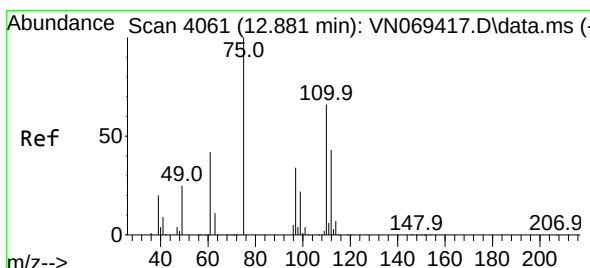
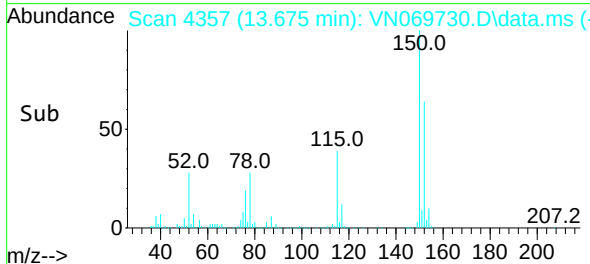
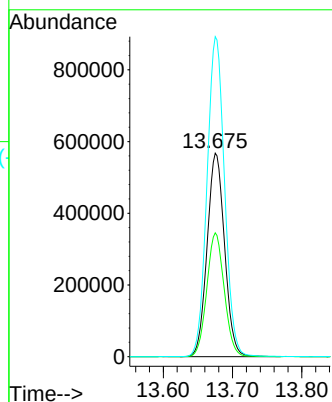
Tgt Ion:152 Resp: 994674

Ion Ratio Lower Upper

152 100

115 60.8 27.5 82.5

150 157.6 0.0 344.4



#76

1,2,3-Trichloropropane

Concen: 24.598 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.150 min

Lab File: VN069730.D

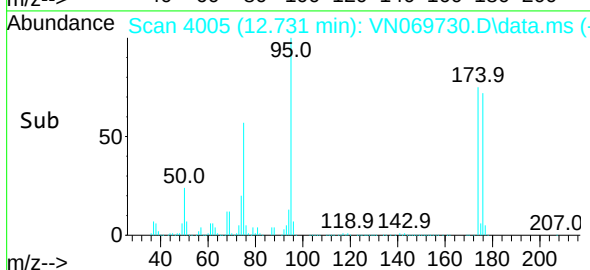
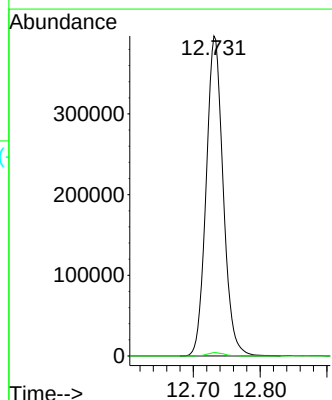
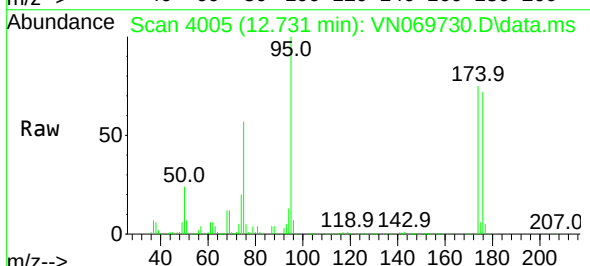
Acq: 3 Dec 2021 20:19

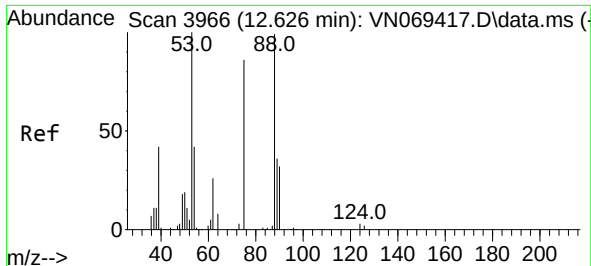
Tgt Ion: 75 Resp: 701645

Ion Ratio Lower Upper

75 100

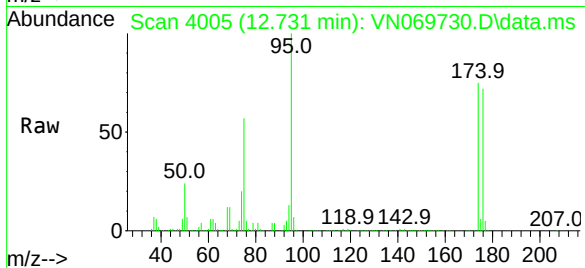
77 1.0 82.6 247.8#



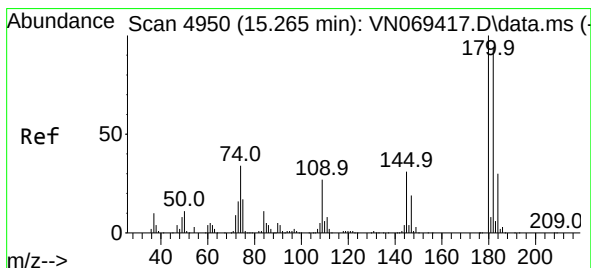
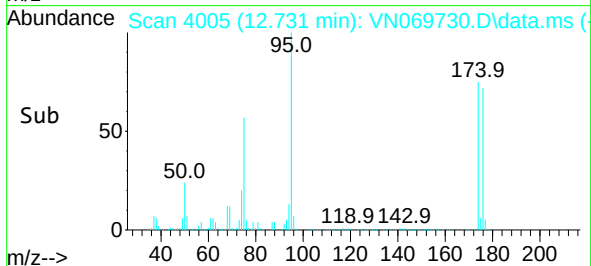
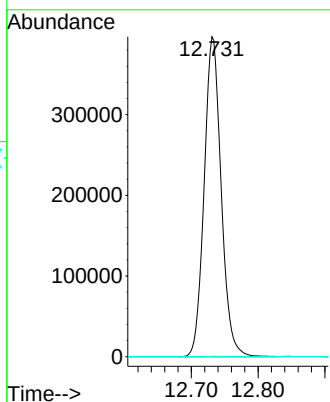


#81
trans-1,4-Dichloro-2-butene
Concen: 78.027 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20211129

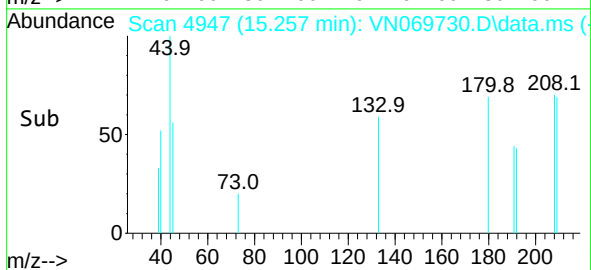
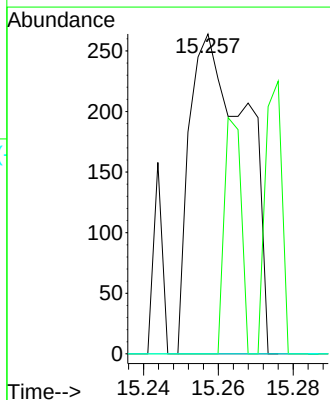
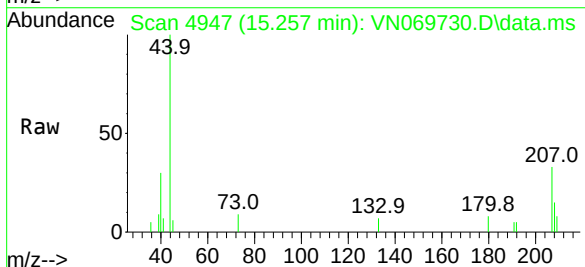


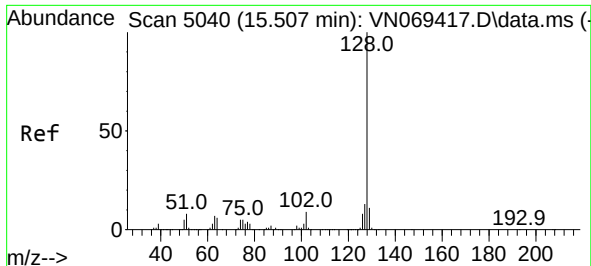
Tgt Ion: 75 Resp: 701645
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.894 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

Tgt Ion: 180 Resp: 276
Ion Ratio Lower Upper
180 100
182 22.1 48.3 144.9#
145 0.0 14.5 43.5#

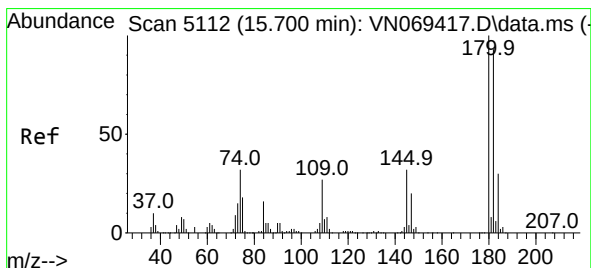
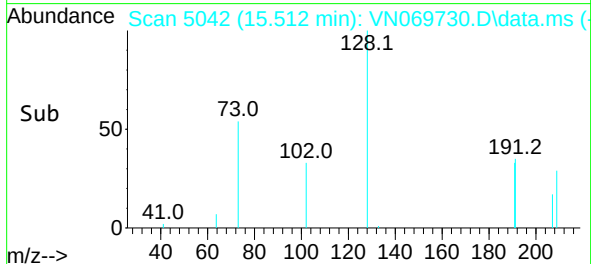
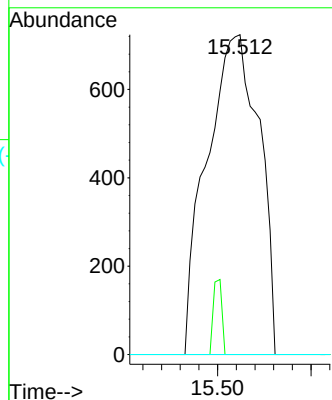
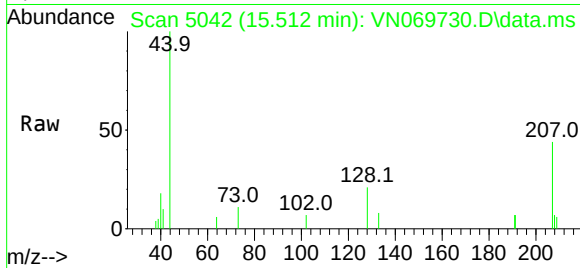




#95
Naphthalene
Concen: 4.012 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE132D7-20211129

Tgt Ion:128 Resp: 1408
Ion Ratio Lower Upper
128 100
127 3.8 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.446 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN069730.D
Acq: 3 Dec 2021 20:19

Tgt Ion:180 Resp: 175
Ion Ratio Lower Upper
180 100
182 30.3 47.4 142.2#
145 0.0 15.0 45.1#

