

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
 Data File : VN072770.D
 Acq On : 10 Jun 2022 17:23
 Operator : JC\MD
 Sample : N3280-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 21ST-CASING-3RE

Quant Time: Jun 11 01:55:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

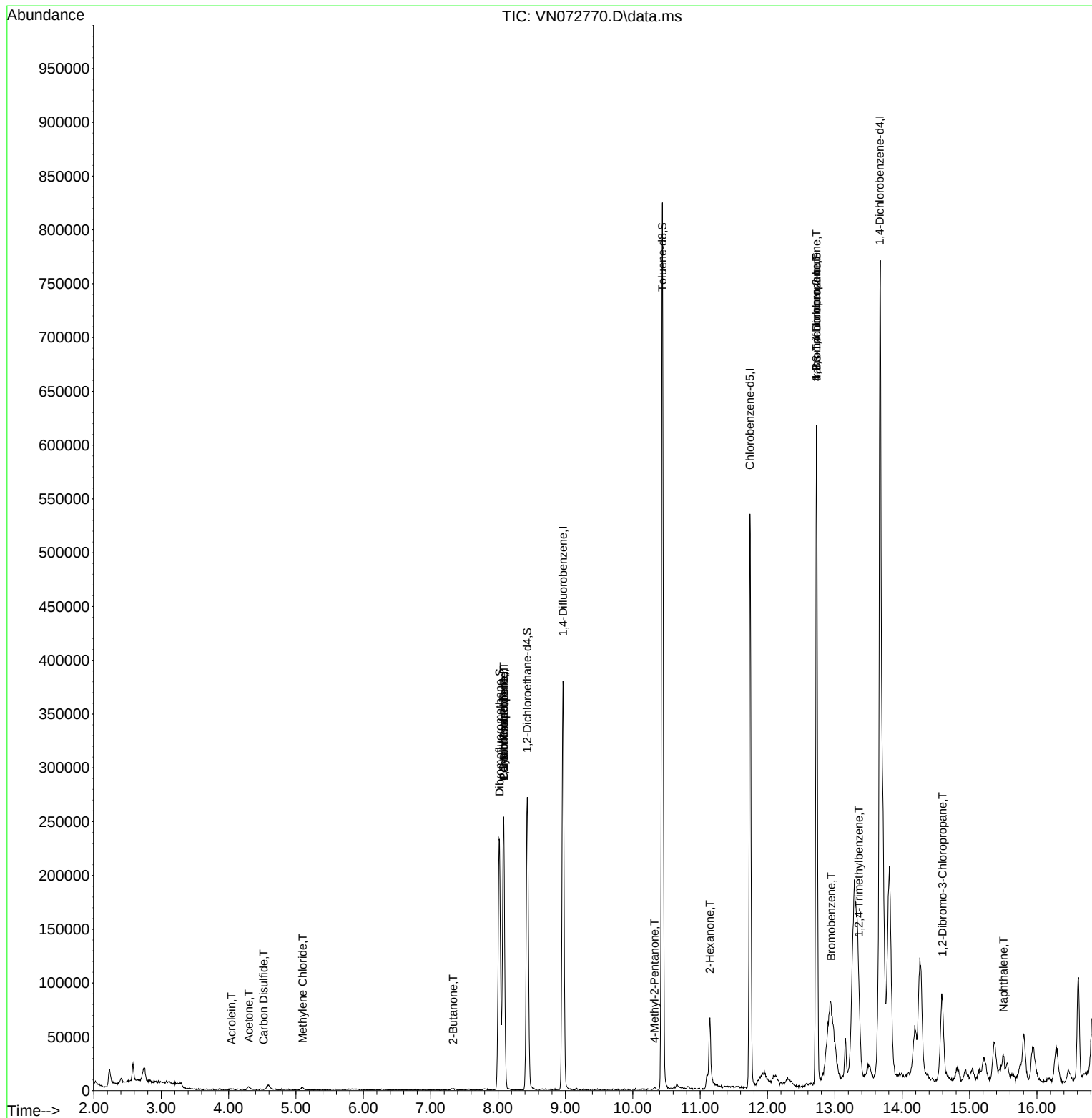
Internal Standards						
1) Pentafluorobenzene	8.087	168	163130	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	312483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	279538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	151924	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	229404	52.396	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.800%	
35) Dibromofluoromethane	8.022	113	166850	53.962	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 107.920%	
50) Toluene-d8	10.440	98	537501	43.571	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 87.140%	
62) 4-Bromofluorobenzene	12.728	95	211093	49.866	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	442	Below Cal	#	43
5) Bromomethane	2.852	94	242	Below Cal	#	2
6) Chloroethane	2.952	64	591	Below Cal		98
13) Acrolein	4.040	56	1167	2.705	ug/l	# 66
16) Acetone	4.299	43	5287	2.520	ug/l	# 74
17) Carbon Disulfide	4.522	76	58	0.293	ug/l	# 75
20) Methylene Chloride	5.099	84	1399	0.257	ug/l	# 78
25) 2-Butanone	7.334	43	1057	0.313	ug/l	# 89
31) Cyclohexane	8.081	56	4886	0.348	ug/l	# 45
36) 1,1-Dichloropropene	8.087	75	17696	4.123	ug/l	# 50
38) Carbon Tetrachloride	8.087	117	19946	4.349	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.322	43	1623	0.240	ug/l	# 79
59) 2-Hexanone	11.145	43	25494	5.127	ug/l	# 45
76) 1,2,3-Trichloropropane	12.728	75	123114	25.113	ug/l	# 1
77) Bromobenzene	12.945	156	68403	21.293	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.728	75	123114	65.676	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.357	105	3192	0.258	ug/l	86
92) 1,2-Dibromo-3-Chloropr...	14.598	75	3609	2.641	ug/l	# 1
95) Naphthalene	15.504	128	20522	2.056	ug/l	99

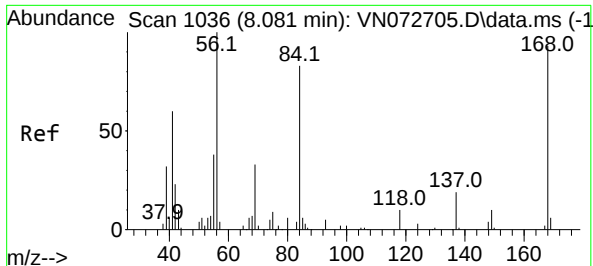
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 11 01:55:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 05:17:31 2022
Response via : Initial Calibration

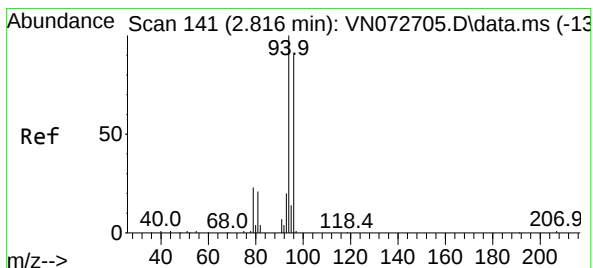
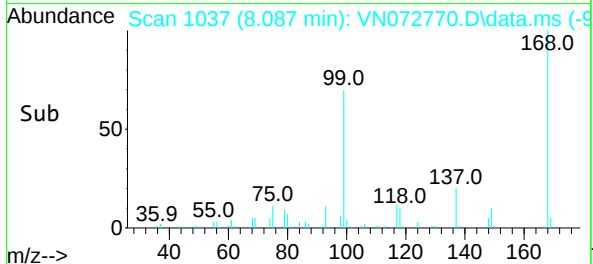
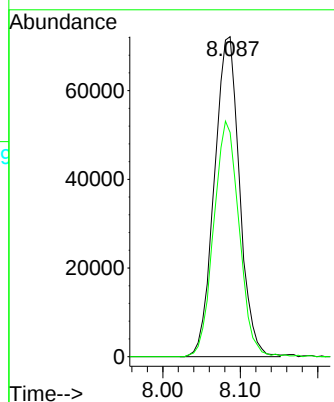
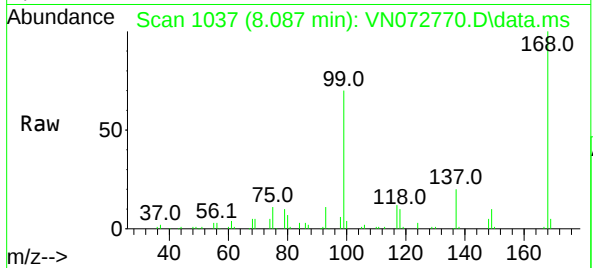




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

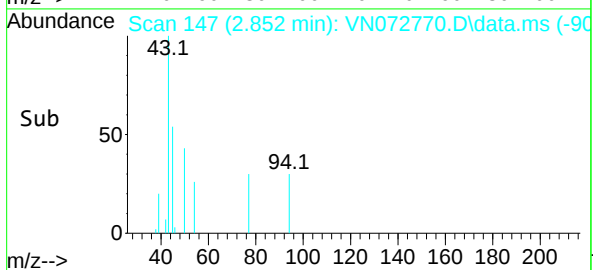
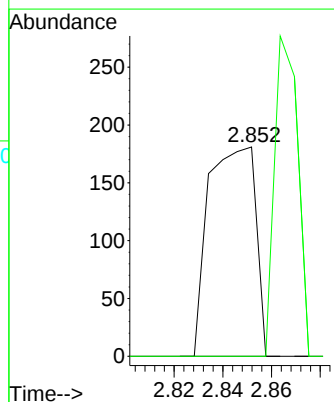
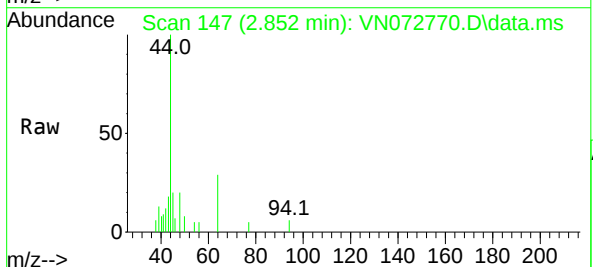
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3RE

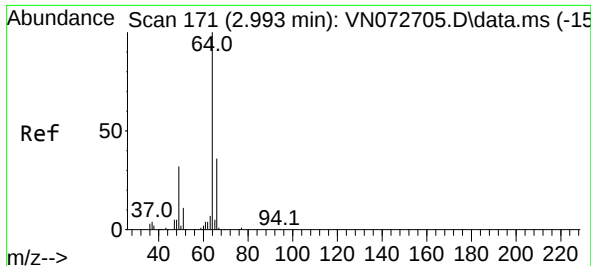
Tgt Ion:168 Resp: 163130
Ion Ratio Lower Upper
168 100
99 70.1 42.3 63.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.852 min Scan# 147
Delta R.T. 0.036 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

Tgt Ion: 94 Resp: 242
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

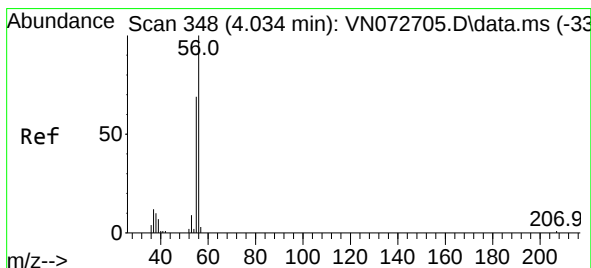
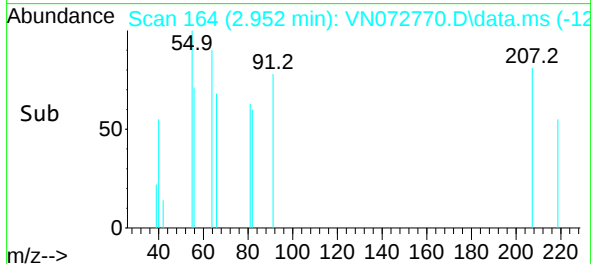
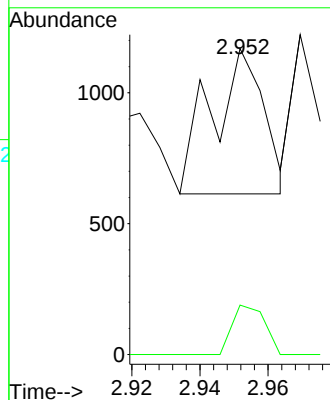
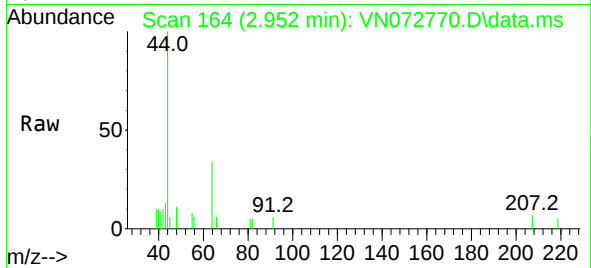




#6
Chloroethane
Concen: Below Cal
RT: 2.952 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

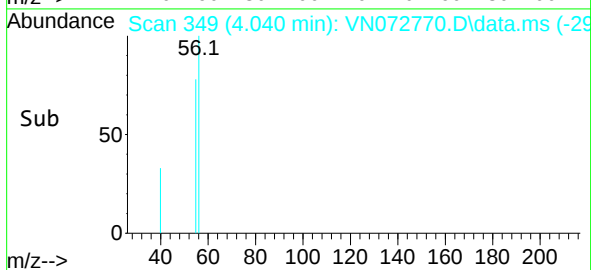
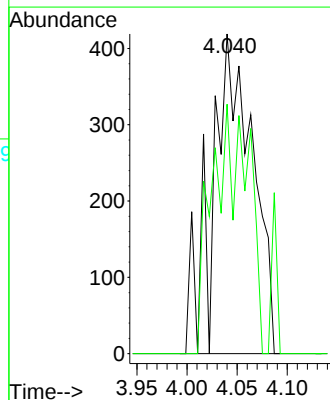
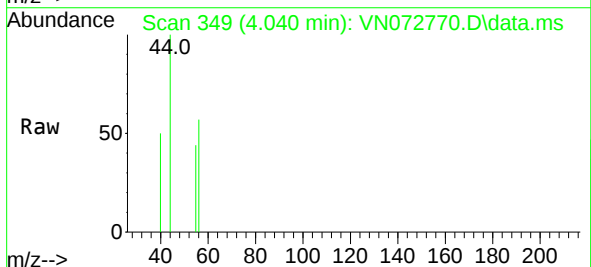
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3RE

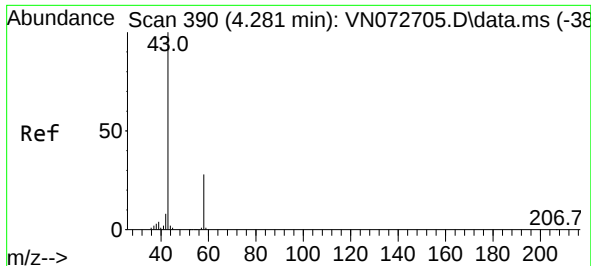
Tgt Ion: 64 Resp: 591
Ion Ratio Lower Upper
64 100
66 34.1 26.2 39.4



#13
Acrolein
Concen: 2.705 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.006 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

Tgt Ion: 56 Resp: 1167
Ion Ratio Lower Upper
56 100
55 41.2 54.8 82.2#

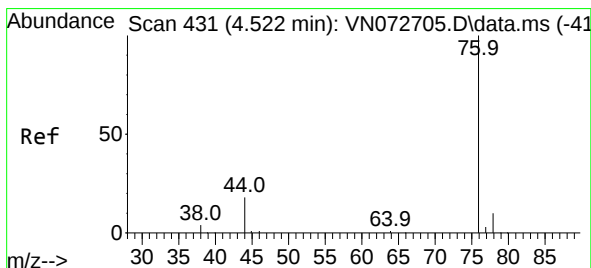
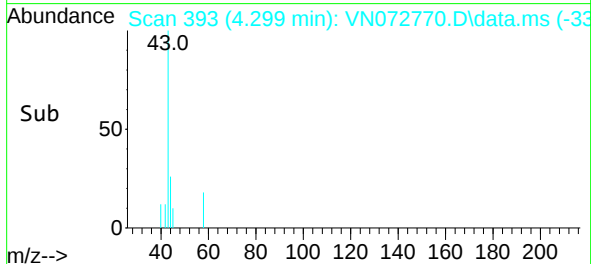
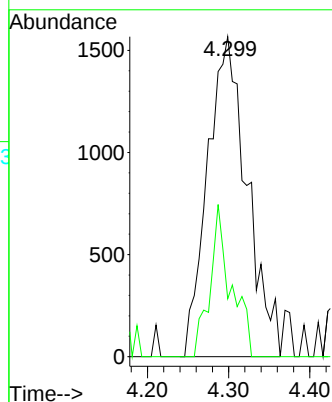
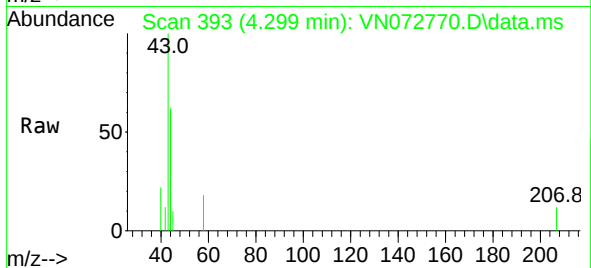




#16
Acetone
Concen: 2.520 ug/l
RT: 4.299 min Scan# 390
Delta R.T. 0.018 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

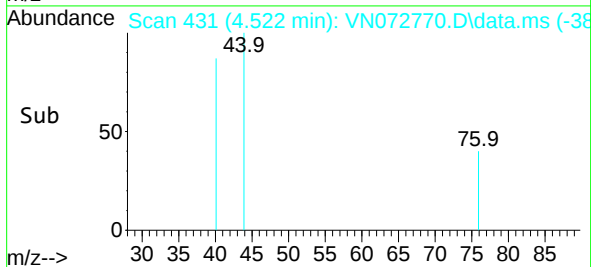
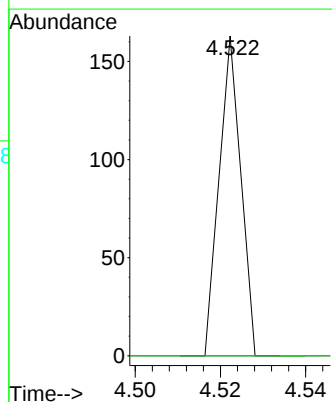
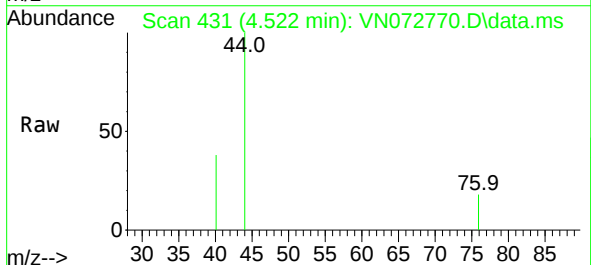
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3RE

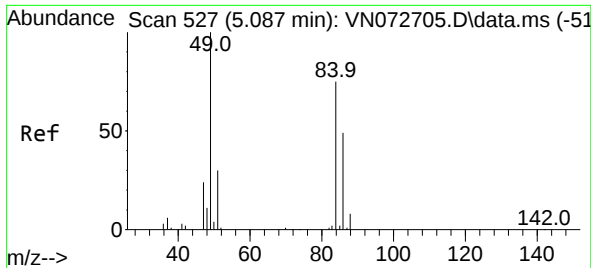
Tgt Ion: 43 Resp: 5287
Ion Ratio Lower Upper
43 100
58 18.1 26.0 39.0#



#17
Carbon Disulfide
Concen: 0.293 ug/l
RT: 4.522 min Scan# 431
Delta R.T. 0.000 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

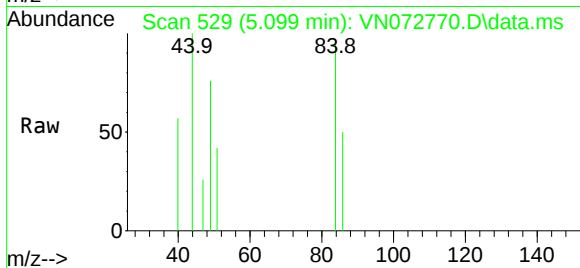
Tgt Ion: 76 Resp: 58
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



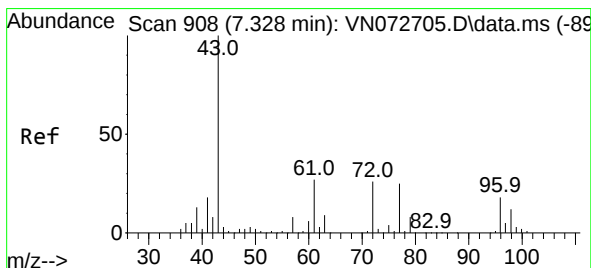
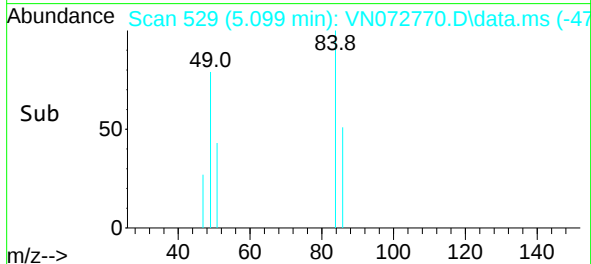
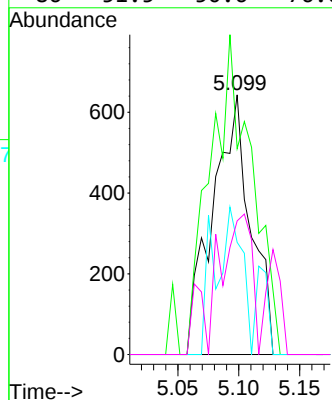


#20
Methylene Chloride
Concen: 0.257 ug/l
RT: 5.099 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3RE

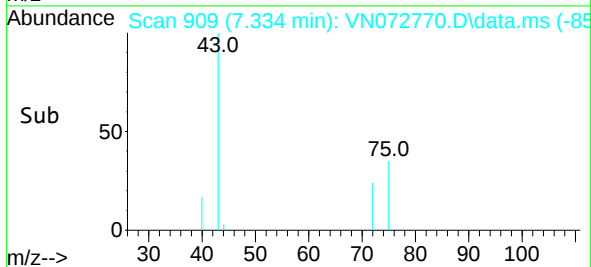
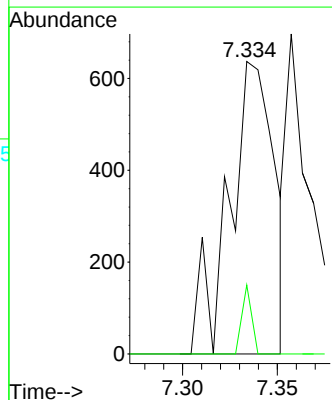
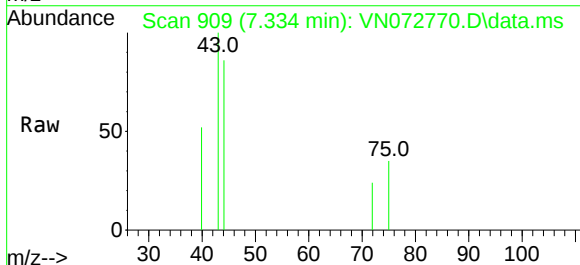


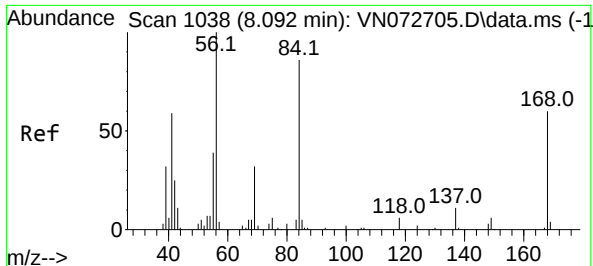
Tgt Ion: 84 Resp: 1399
Ion Ratio Lower Upper
84 100
49 79.3 88.3 132.5#
51 43.2 28.2 42.2#
86 51.5 50.6 76.0



#25
2-Butanone
Concen: 0.313 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

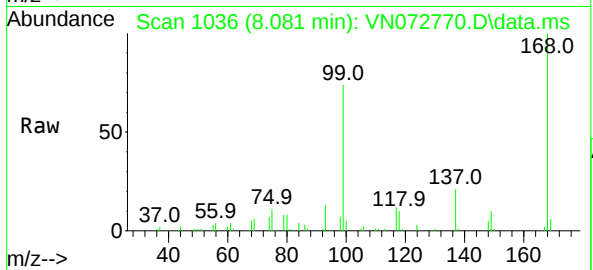
Tgt Ion: 43 Resp: 1057
Ion Ratio Lower Upper
43 100
72 23.5 23.7 35.5#



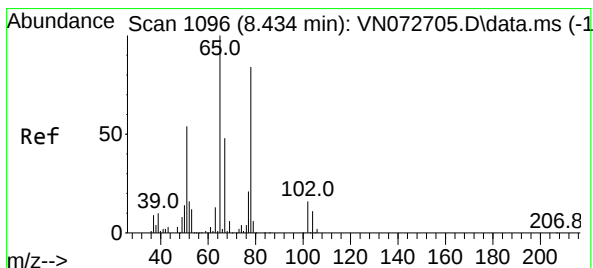
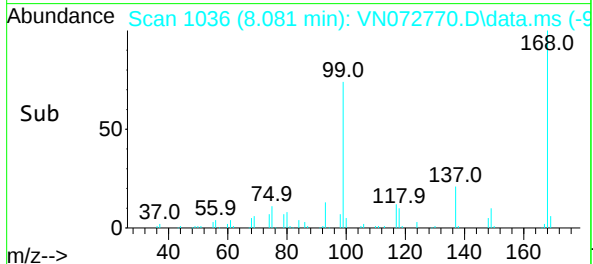
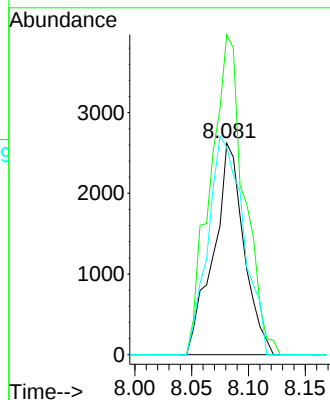


#31
Cyclohexane
Concen: 0.348 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3RE

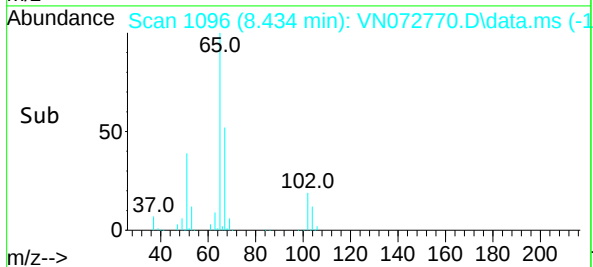
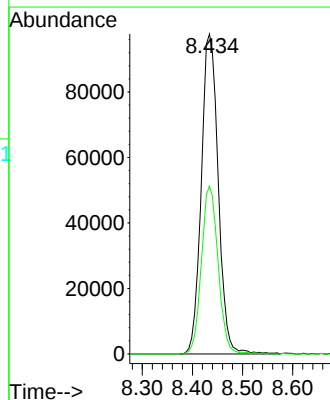
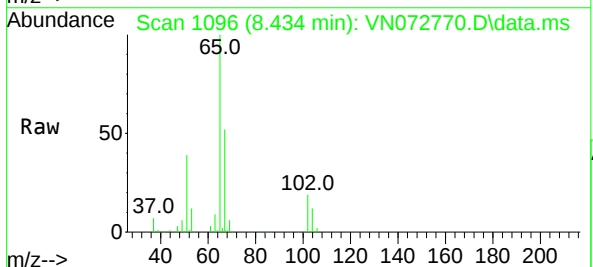


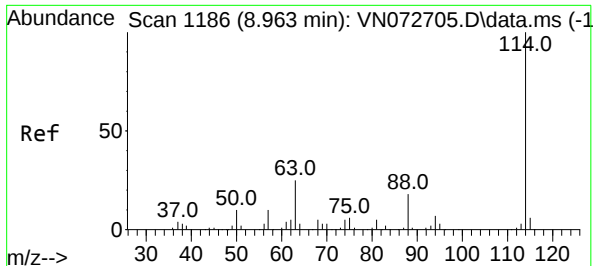
Tgt Ion: 56 Resp: 4886
Ion Ratio Lower Upper
56 100
69 151.4 27.8 41.8#
84 98.1 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 52.396 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

Tgt Ion: 65 Resp: 229404
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072770.D

Acq: 10 Jun 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

21ST-CASING-3RE

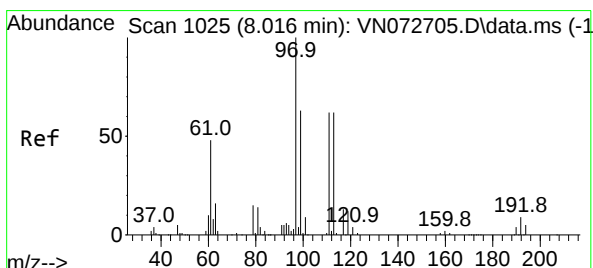
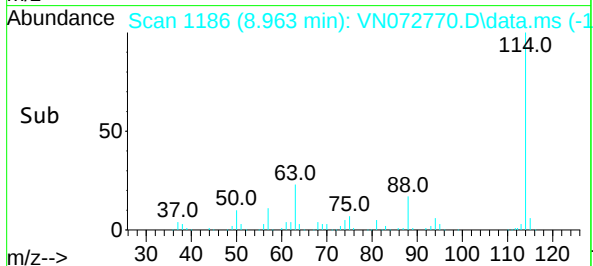
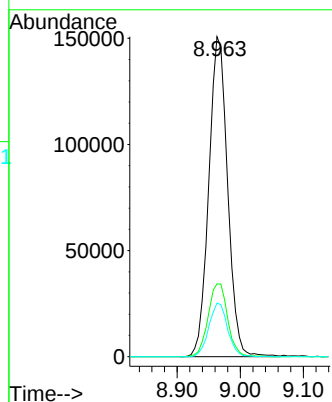
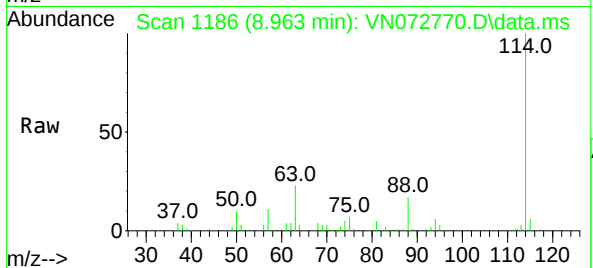
Tgt Ion:114 Resp: 312483

Ion Ratio Lower Upper

114 100

63 22.8 0.0 40.0

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.962 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072770.D

Acq: 10 Jun 2022 17:23

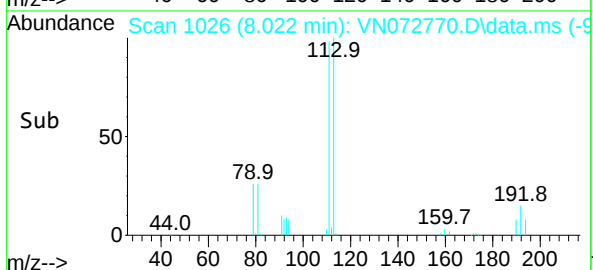
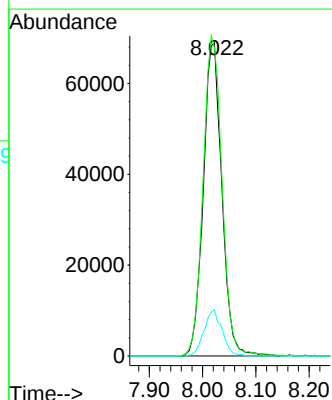
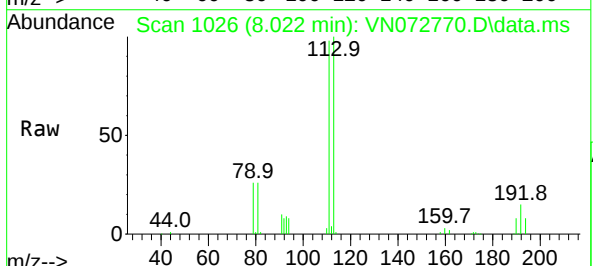
Tgt Ion:113 Resp: 166850

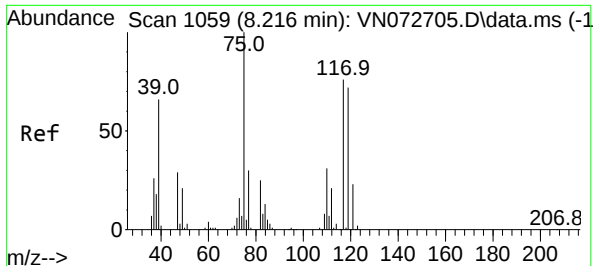
Ion Ratio Lower Upper

113 100

111 104.6 81.4 122.0

192 14.3 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 4.123 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN072770.D

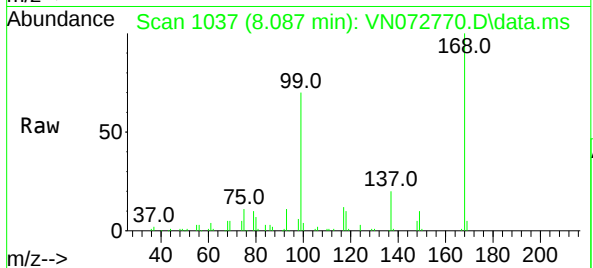
Acq: 10 Jun 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

21ST-CASING-3RE



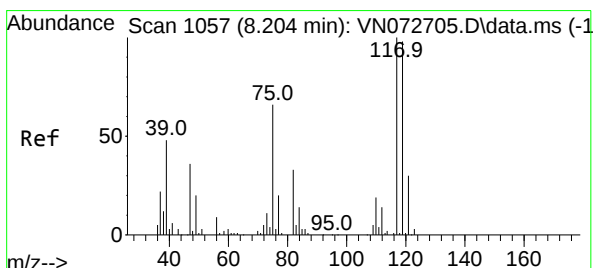
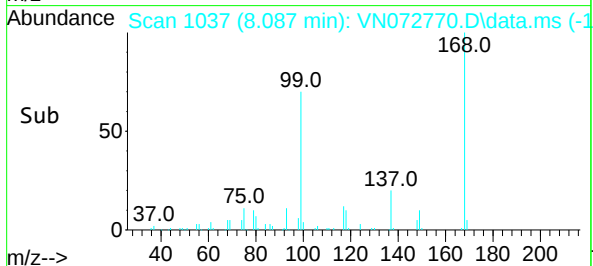
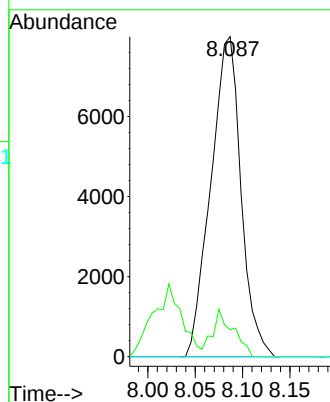
Tgt Ion: 75 Resp: 17696

Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.349 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.117 min

Lab File: VN072770.D

Acq: 10 Jun 2022 17:23

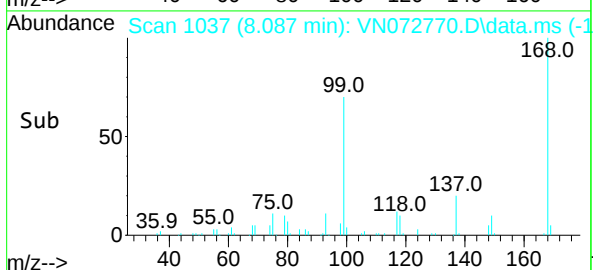
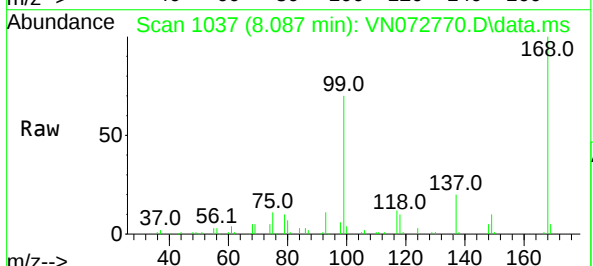
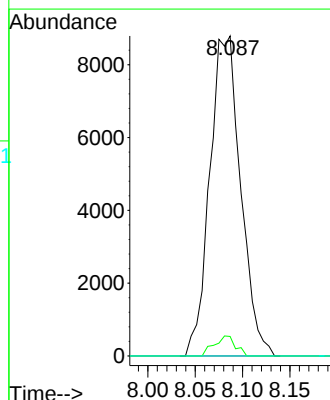
Tgt Ion: 117 Resp: 19946

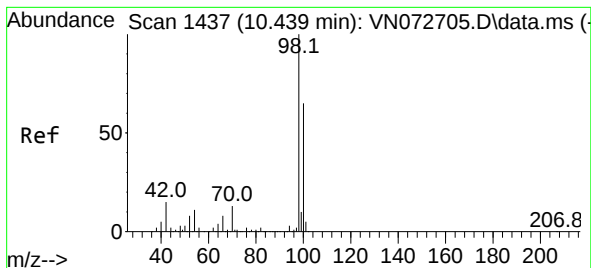
Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.8#

121 0.0 24.6 37.0#

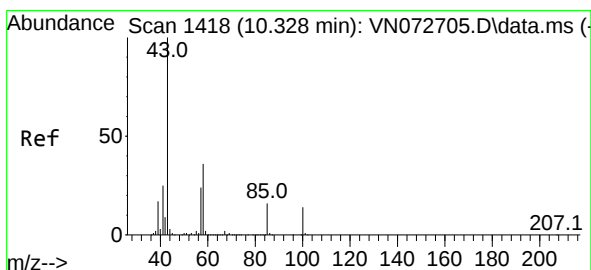
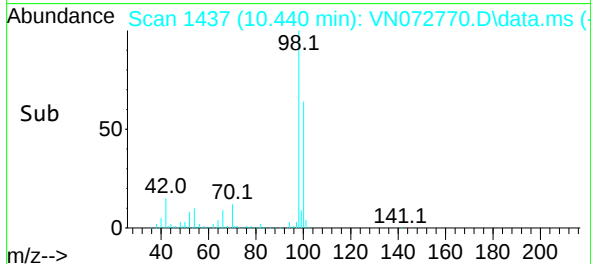
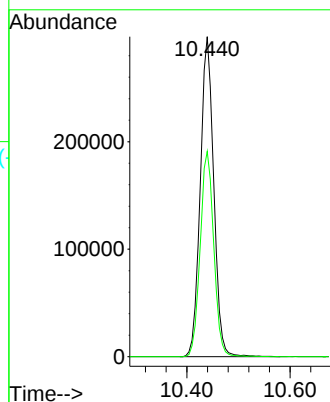
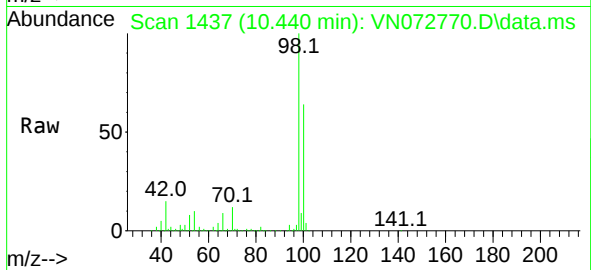




#50
Toluene-d8
Concen: 43.571 ug/l
RT: 10.440 min Scan# 1437
Delta R.T. 0.001 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

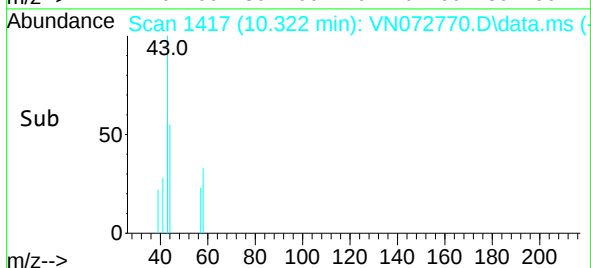
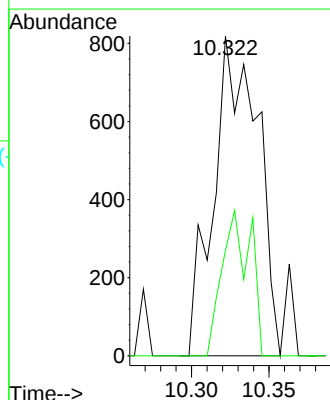
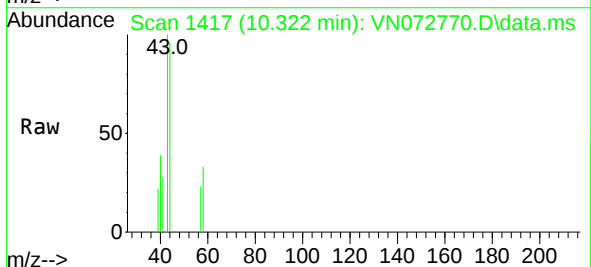
Instrument :
MSVOA_N
ClientSampleId :
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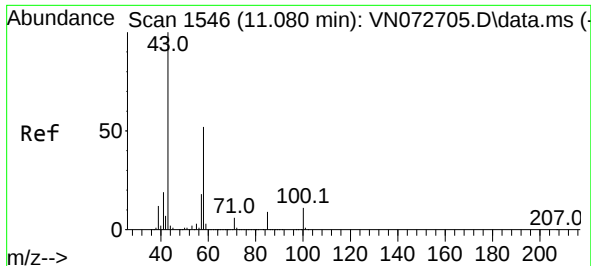
Tgt Ion: 98 Resp: 537501
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.240 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

Tgt Ion: 43 Resp: 1623
Ion Ratio Lower Upper
43 100
58 29.1 34.1 51.1#

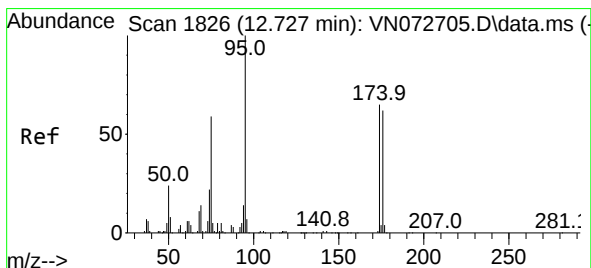
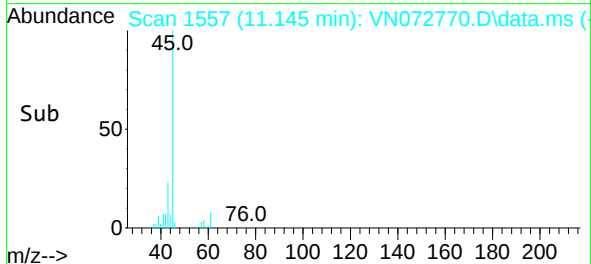
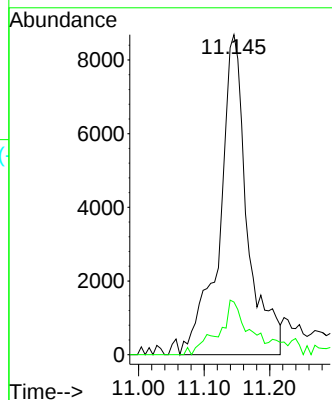
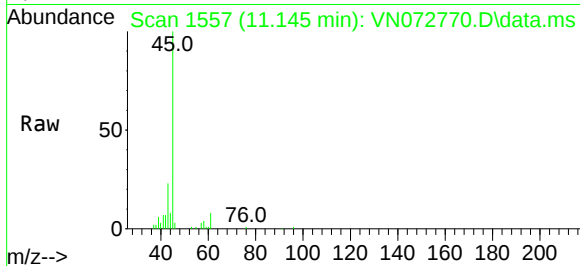




#59
2-Hexanone
Concen: 5.127 ug/l
RT: 11.145 min Scan# 111
Delta R.T. 0.065 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

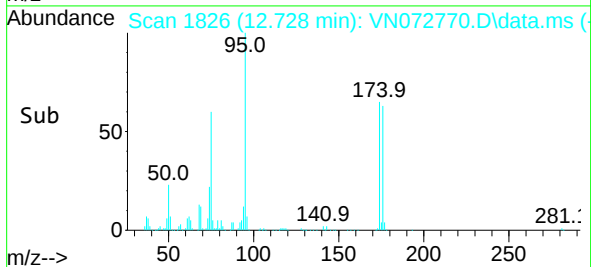
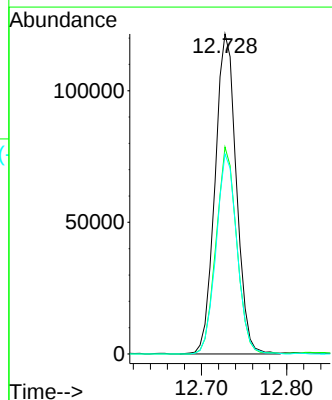
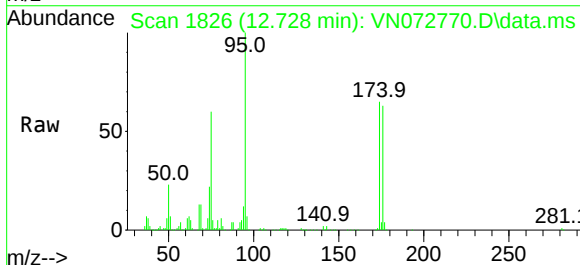
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3RE

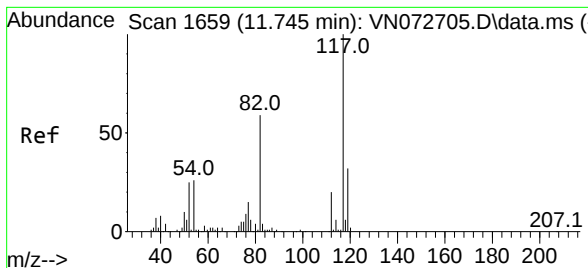
Tgt Ion: 43 Resp: 25494
Ion Ratio Lower Upper
43 100
58 18.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 49.866 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. 0.001 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

Tgt Ion: 95 Resp: 211093
Ion Ratio Lower Upper
95 100
174 62.5 0.0 167.6
176 61.2 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN072770.D

Acq: 10 Jun 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

21ST-CASING-3RE

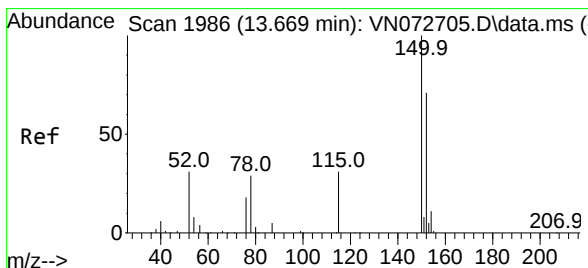
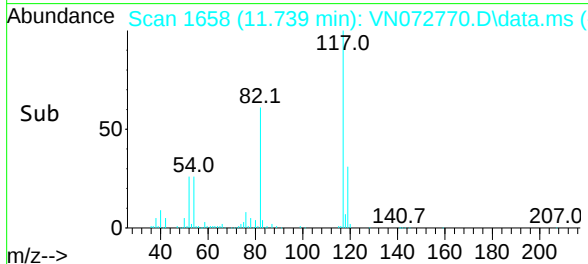
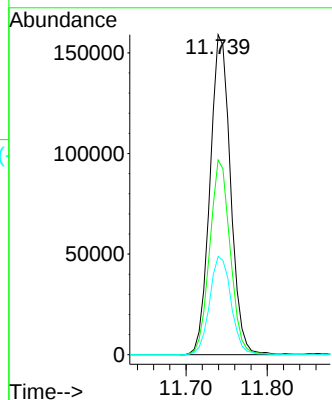
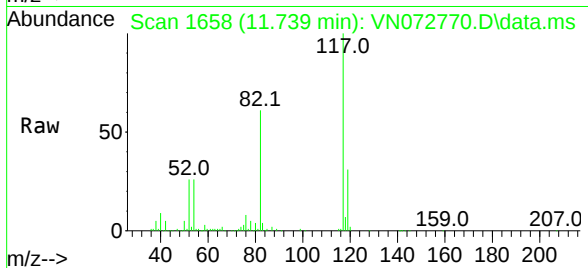
Tgt Ion:117 Resp: 279538

Ion Ratio Lower Upper

117 100

82 60.8 44.2 66.2

119 30.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.669 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN072770.D

Acq: 10 Jun 2022 17:23

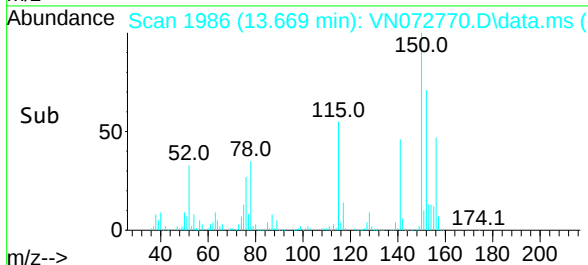
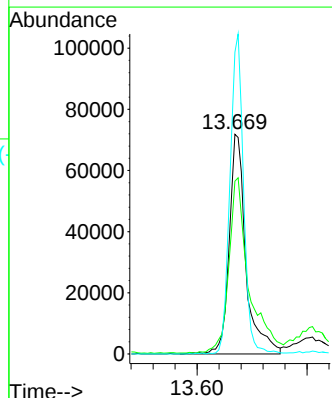
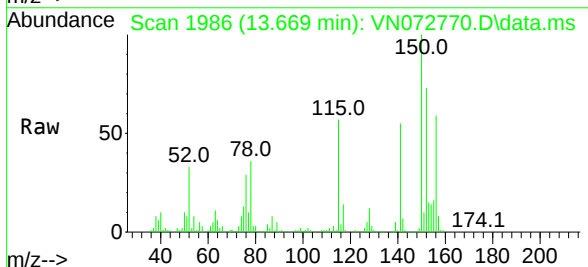
Tgt Ion:152 Resp: 151924

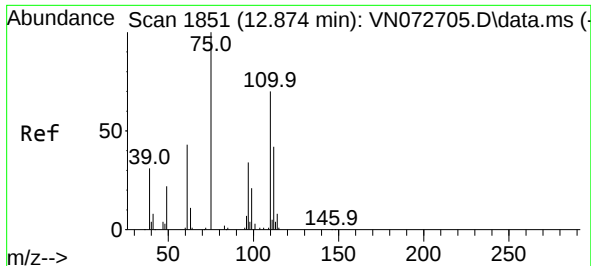
Ion Ratio Lower Upper

152 100

115 95.2 28.9 86.7#

150 118.0 0.0 356.2

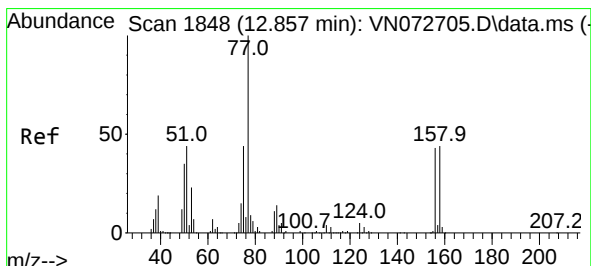
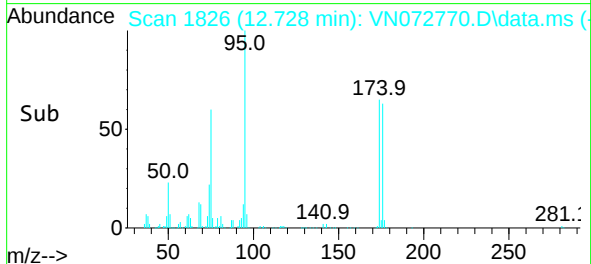
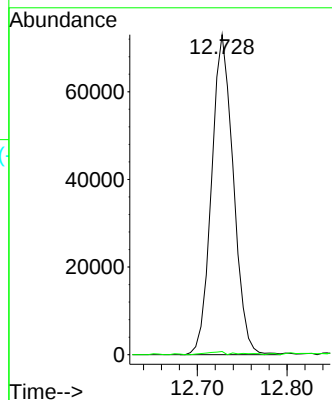
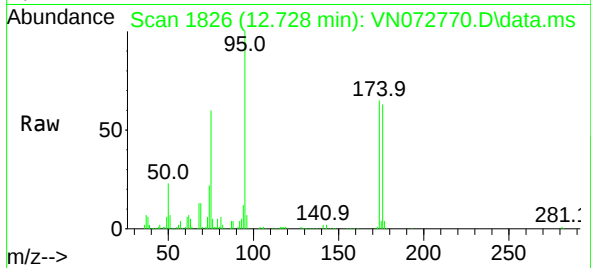




#76
1,2,3-Trichloropropane
Concen: 25.113 ug/l
RT: 12.728 min Scan# 1863
Delta R.T. -0.146 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

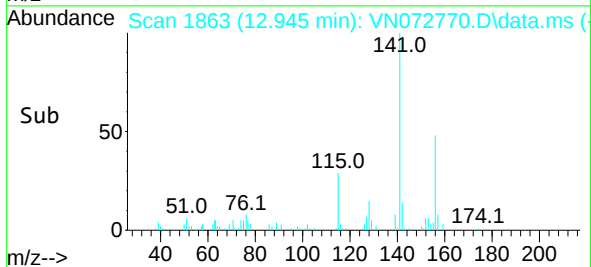
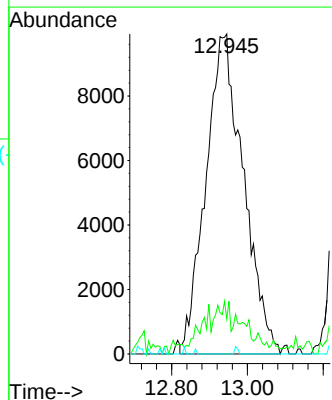
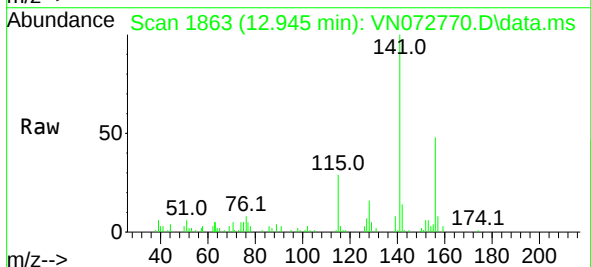
Instrument :
MSVOA_N
ClientSampleId :
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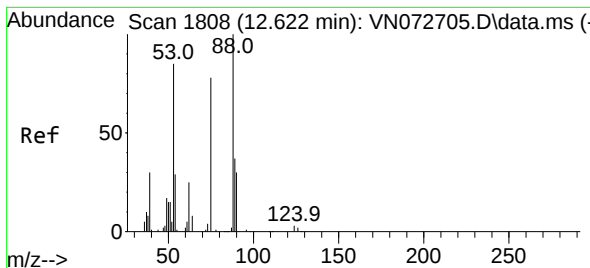
Tgt Ion: 75 Resp: 123114
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#77
Bromobenzene
Concen: 21.293 ug/l
RT: 12.945 min Scan# 1863
Delta R.T. 0.088 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

Tgt Ion: 156 Resp: 68403
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 0.0 48.9 146.6#

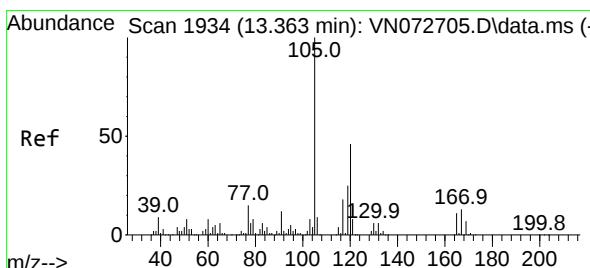
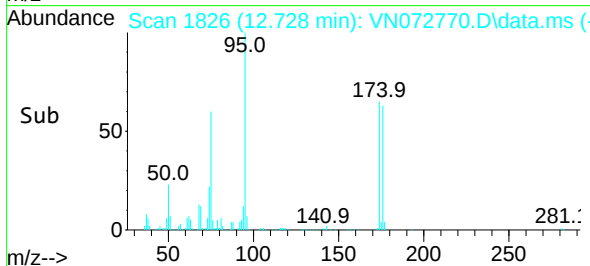
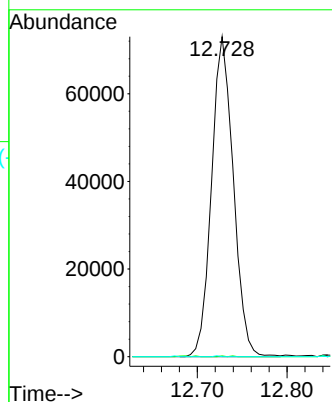
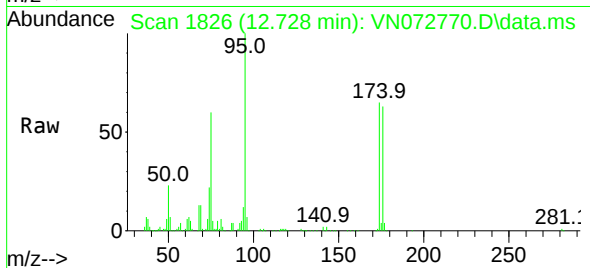




#81
trans-1,4-Dichloro-2-butene
Concen: 65.676 ug/l
RT: 12.728 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

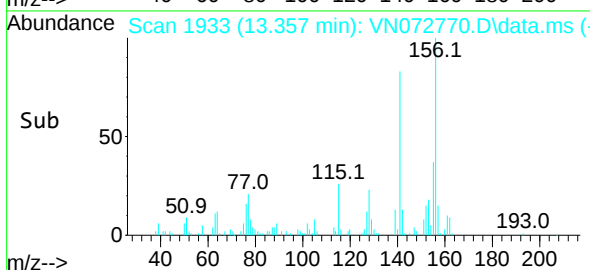
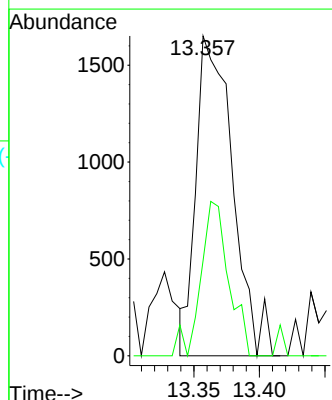
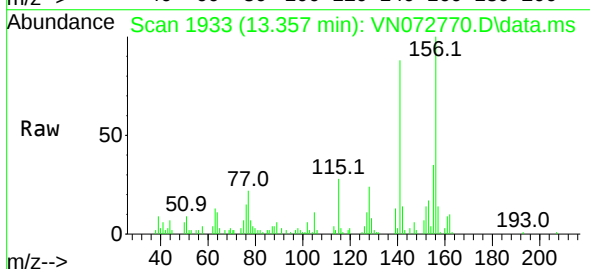
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3RE

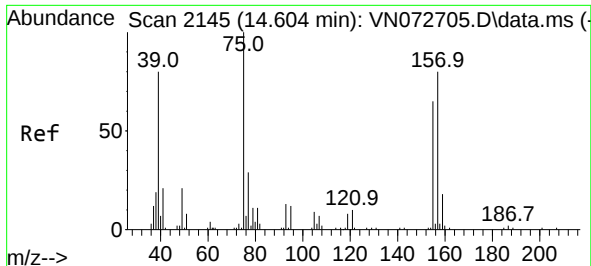
Tgt Ion: 75 Resp: 123114
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.258 ug/l
RT: 13.357 min Scan# 1933
Delta R.T. -0.006 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

Tgt Ion: 105 Resp: 3192
Ion Ratio Lower Upper
105 100
120 37.2 23.3 69.8

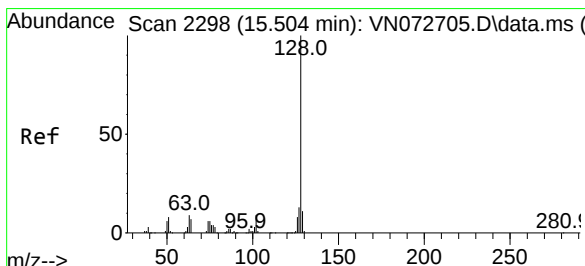
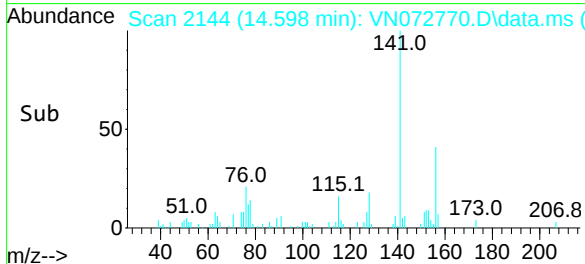
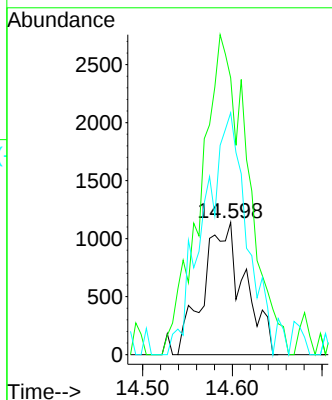
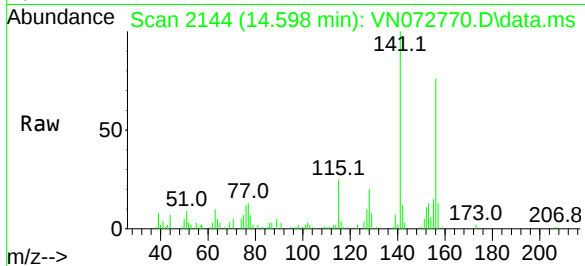




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.641 ug/l
RT: 14.598 min Scan# 2144
Delta R.T. -0.006 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3RE

Tgt Ion: 75 Resp: 3609
Ion Ratio Lower Upper
75 100
155 280.5 44.9 134.5#
157 192.6 59.0 176.8#



#95
Naphthalene
Concen: 2.056 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN072770.D
Acq: 10 Jun 2022 17:23

Tgt Ion: 128 Resp: 20522
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 9.7 8.6 13.0

