

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
 Data File : VN072762.D
 Acq On : 10 Jun 2022 14:08
 Operator : JC\MD
 Sample : N3280-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 21ST-CASING-3

Quant Time: Jun 11 01:53:56 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)

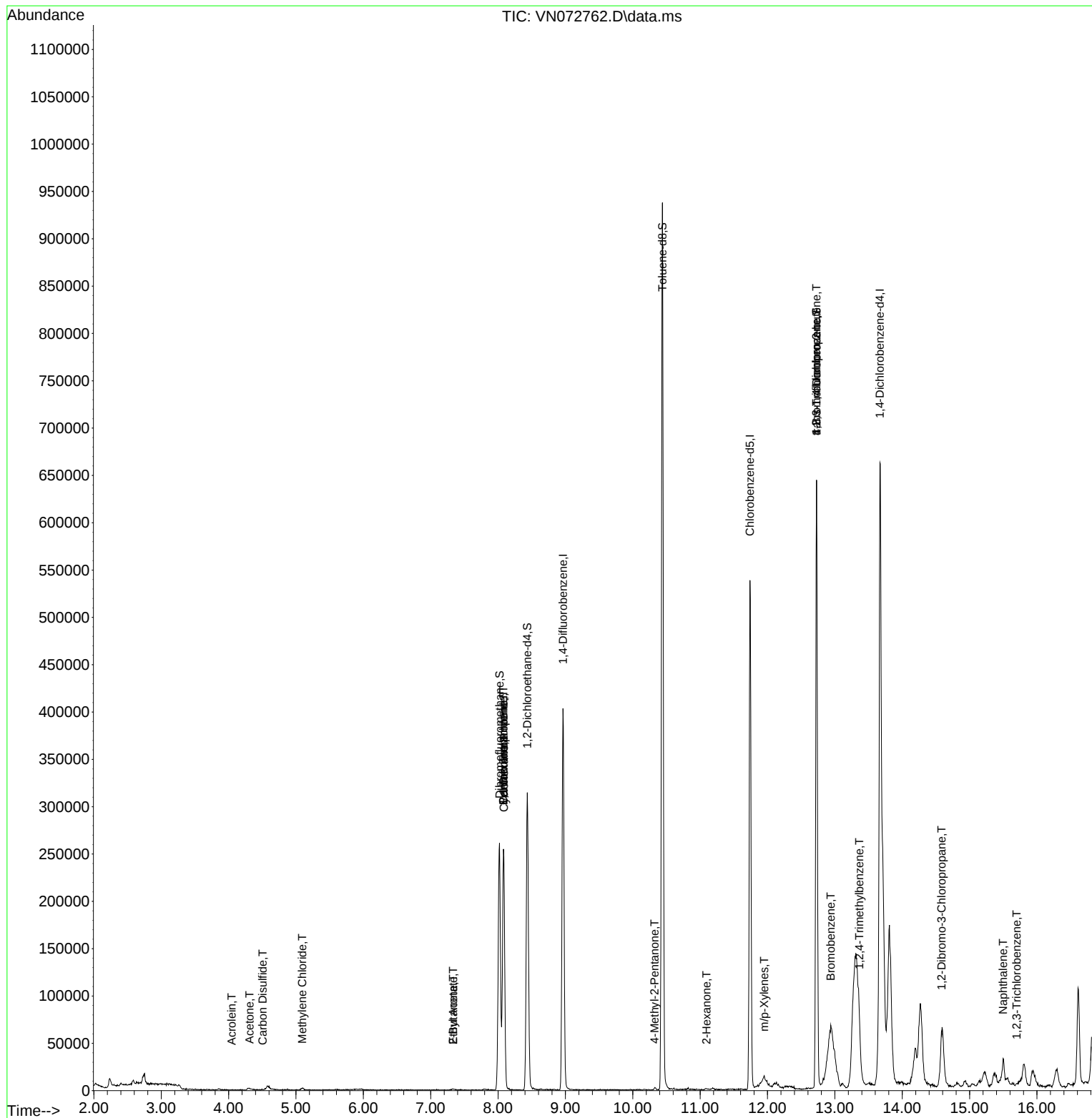
Internal Standards						
1) Pentafluorobenzene	8.081	168	166643	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	328846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	288118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	143529	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	263488	58.912	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 117.820%	
35) Dibromofluoromethane	8.022	113	183985	56.543	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 113.080%	
50) Toluene-d8	10.439	98	620673	47.809	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 95.620%	
62) 4-Bromofluorobenzene	12.727	95	218706	49.094	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.180%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.863	94	474	Below Cal	#	66
6) Chloroethane	2.981	64	56	Below Cal	#	42
13) Acrolein	4.045	56	177	0.402	ug/l #	16
16) Acetone	4.310	43	4108	1.917	ug/l #	84
17) Carbon Disulfide	4.504	76	53	0.292	ug/l #	75
20) Methylene Chloride	5.092	84	1368	0.237	ug/l #	72
25) 2-Butanone	7.333	43	1633	0.474	ug/l #	89
31) Cyclohexane	8.086	56	5375	0.430	ug/l #	51
36) 1,1-Dichloropropene	8.081	75	18173	4.024	ug/l #	49
37) Ethyl Acetate	7.333	43	1633	0.233	ug/l #	67
38) Carbon Tetrachloride	8.081	117	19982	4.140	ug/l #	17
51) 4-Methyl-2-Pentanone	10.322	43	1823	0.256	ug/l #	77
59) 2-Hexanone	11.092	43	1578	0.302	ug/l #	33
68) m/p-Xylenes	11.951	106	1109	0.216	ug/l #	58
76) 1,2,3-Trichloropropane	12.727	75	130086	28.087	ug/l #	1
77) Bromobenzene	12.939	156	55272	18.212	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	130086	73.454	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	3340	0.286	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.586	75	3150	2.440	ug/l #	1
95) Naphthalene	15.498	128	24616	2.610	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.698	180	627	0.259	ug/l	67

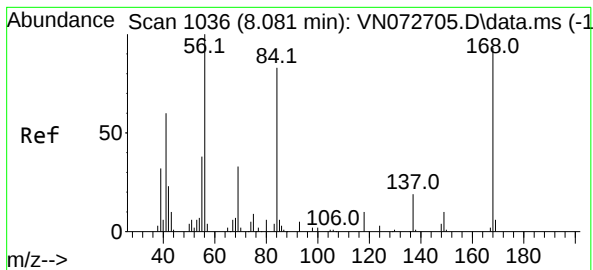
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
Data File : VN072762.D
Acq On : 10 Jun 2022 14:08
Operator : JC\MD
Sample : N3280-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

Quant Time: Jun 11 01:53:56 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

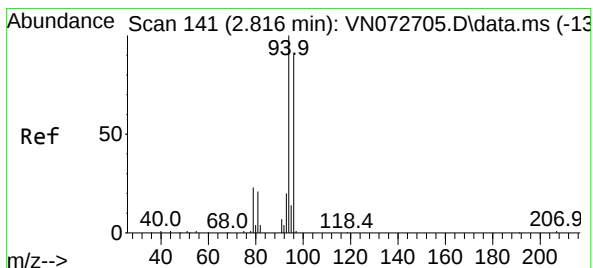
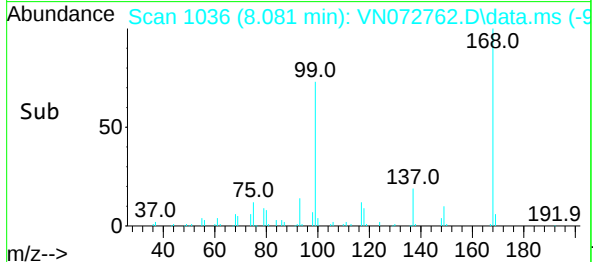
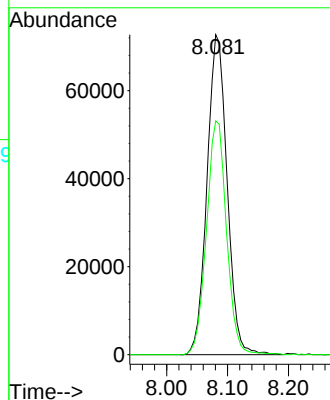
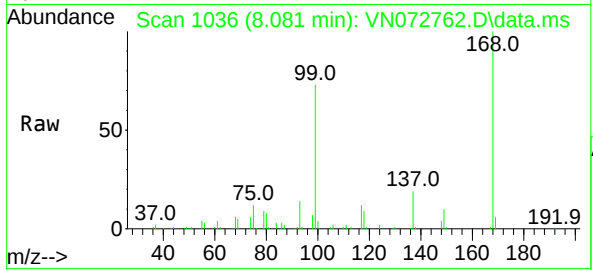




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

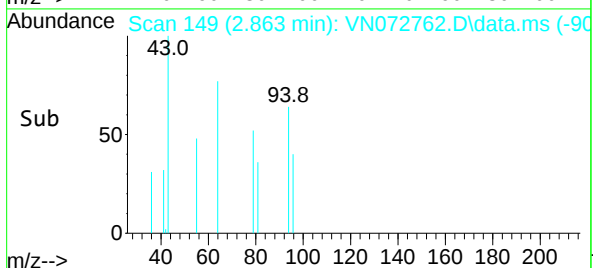
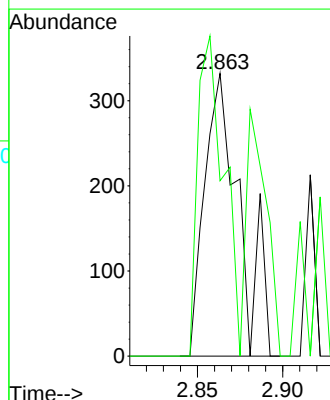
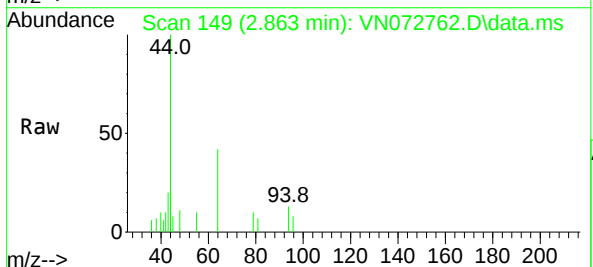
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

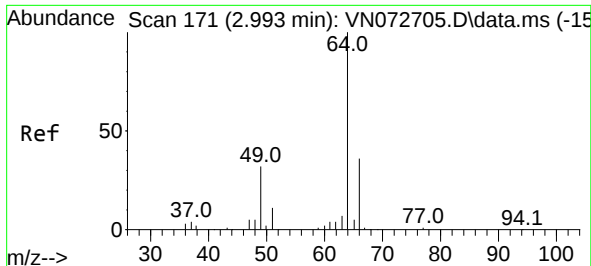
Tgt Ion:168 Resp: 166643
Ion Ratio Lower Upper
168 100
99 73.1 42.3 63.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 149
Delta R.T. 0.047 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

Tgt Ion: 94 Resp: 474
Ion Ratio Lower Upper
94 100
96 62.0 76.0 114.0#

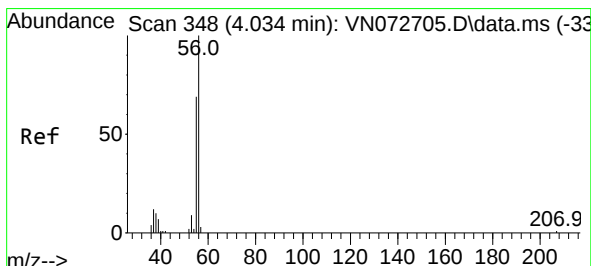
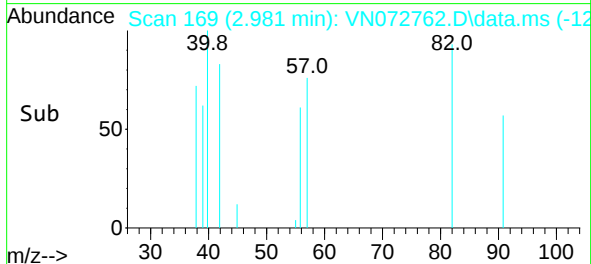
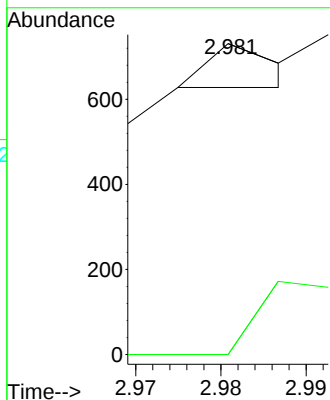
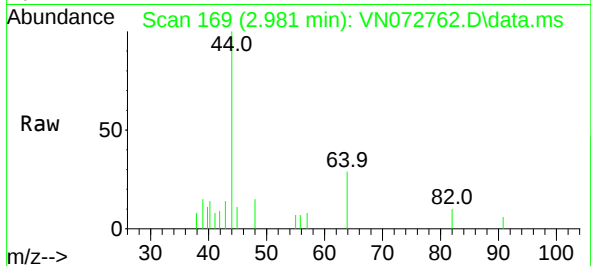




#6
Chloroethane
Concen: Below Cal
RT: 2.981 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

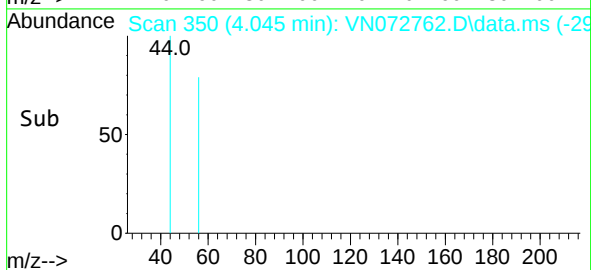
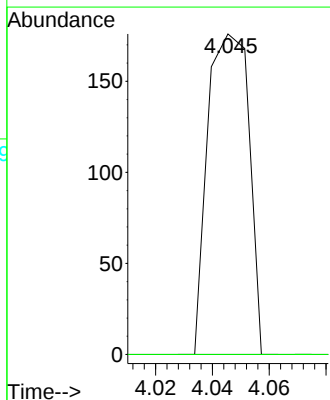
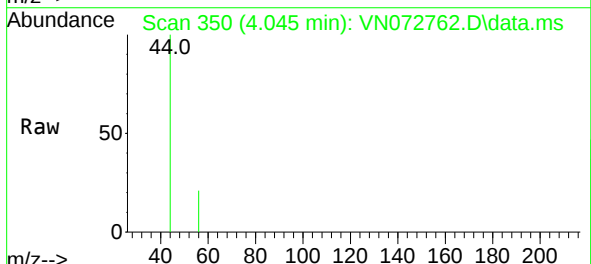
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

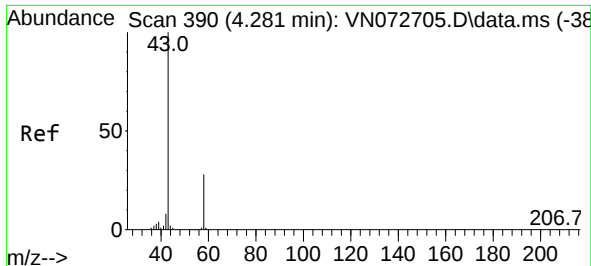
Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#13
Acrolein
Concen: 0.402 ug/l
RT: 4.045 min Scan# 350
Delta R.T. 0.011 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

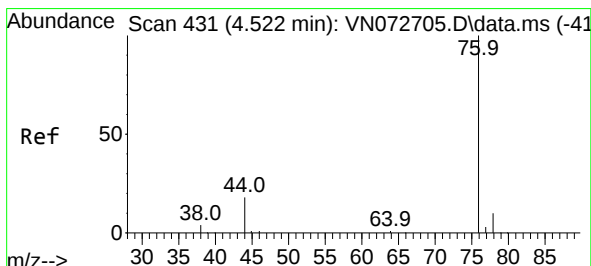
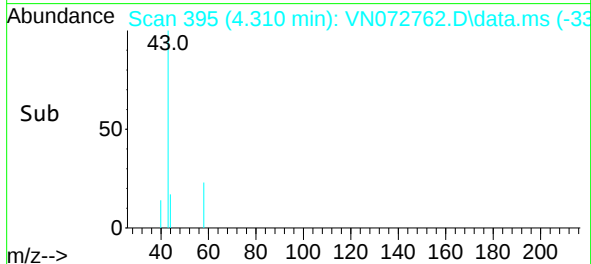
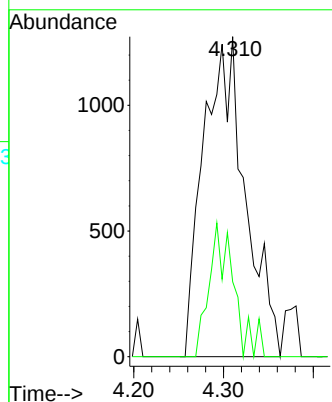
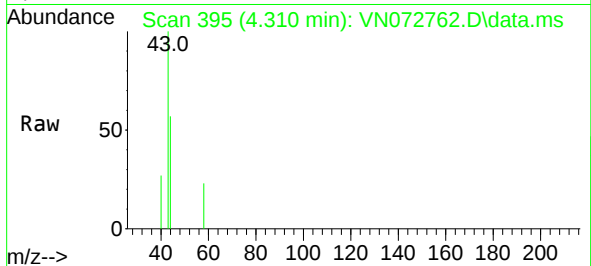




#16
Acetone
Concen: 1.917 ug/l
RT: 4.310 min Scan# 395
Delta R.T. 0.029 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

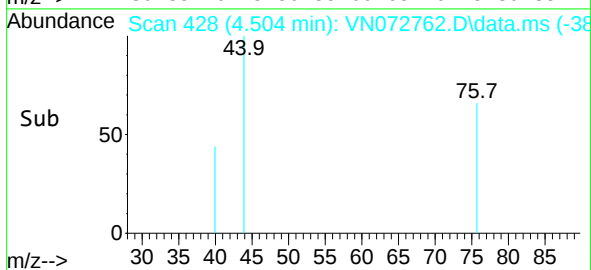
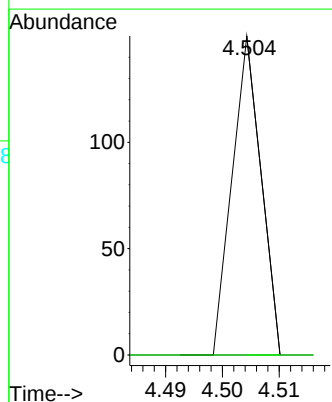
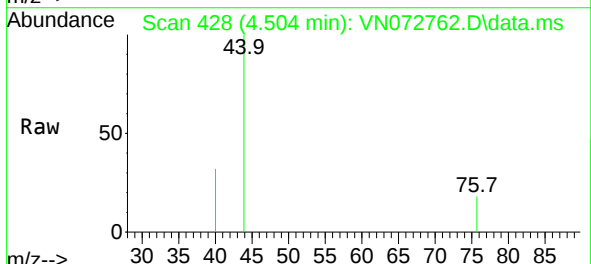
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

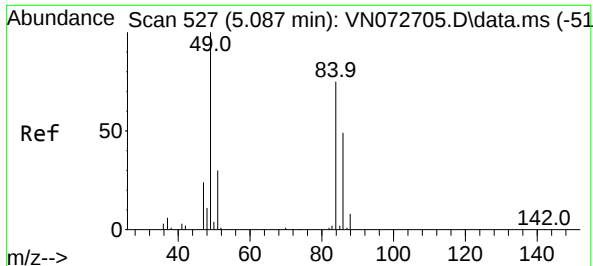
Tgt Ion: 43 Resp: 4108
Ion Ratio Lower Upper
43 100
58 23.4 26.0 39.0#



#17
Carbon Disulfide
Concen: 0.292 ug/l
RT: 4.504 min Scan# 428
Delta R.T. -0.018 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

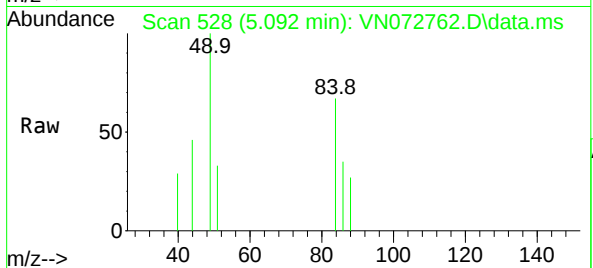
Tgt Ion: 76 Resp: 53
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



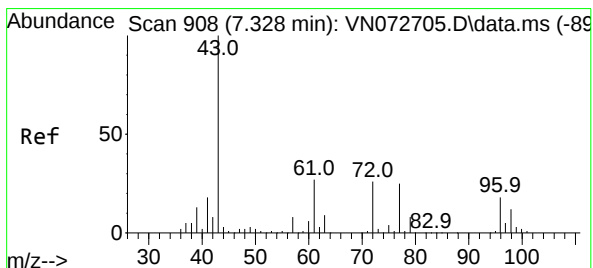
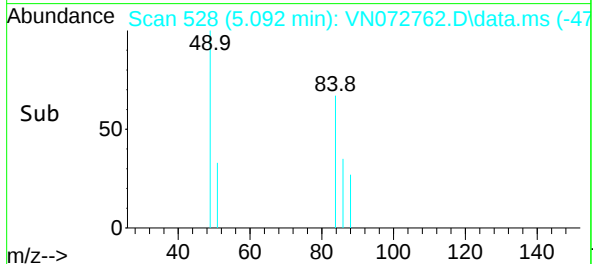
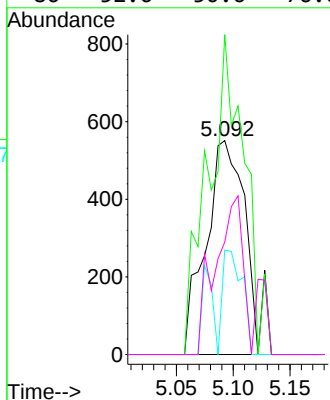


#20
Methylene Chloride
Concen: 0.237 ug/l
RT: 5.092 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

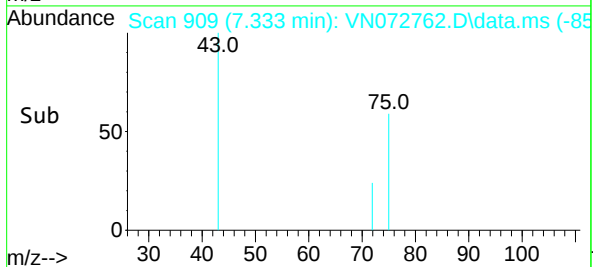
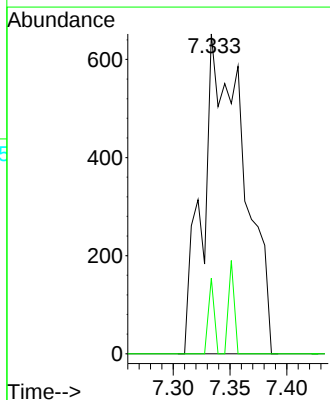
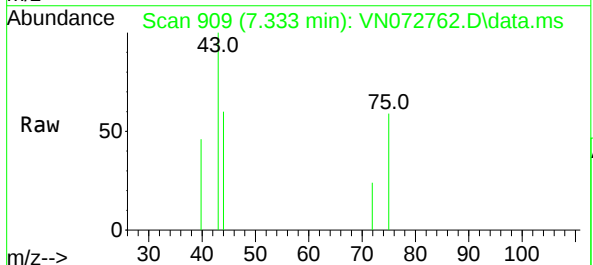


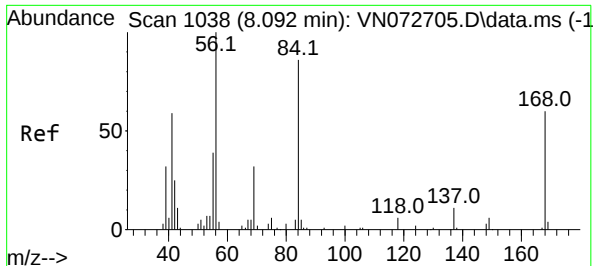
Tgt Ion: 84 Resp: 1368
Ion Ratio Lower Upper
84 100
49 149.5 88.3 132.5#
51 48.8 28.2 42.2#
86 52.6 50.6 76.0



#25
2-Butanone
Concen: 0.474 ug/l
RT: 7.333 min Scan# 909
Delta R.T. 0.005 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

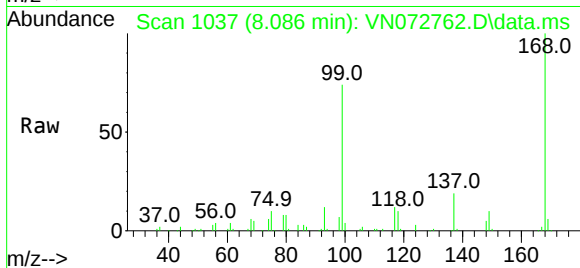
Tgt Ion: 43 Resp: 1633
Ion Ratio Lower Upper
43 100
72 23.6 23.7 35.5#



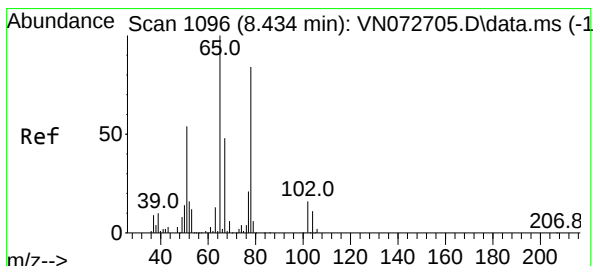
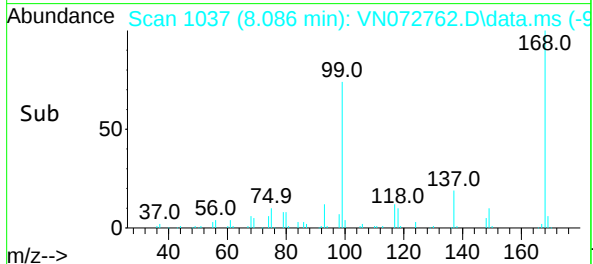
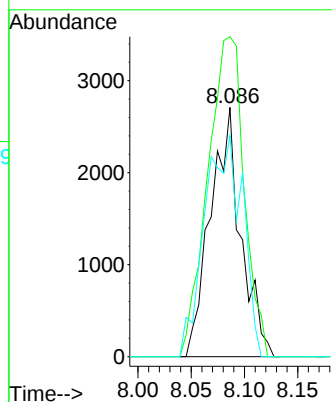


#31
Cyclohexane
Concen: 0.430 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

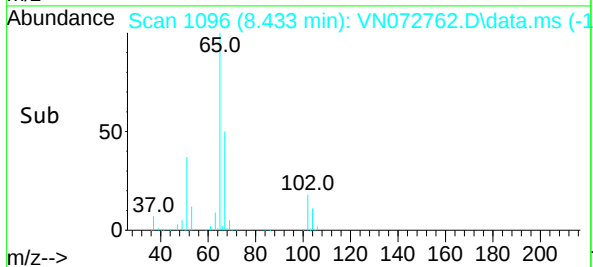
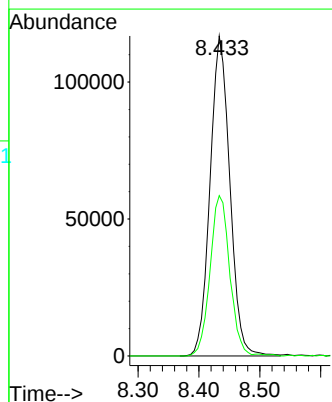
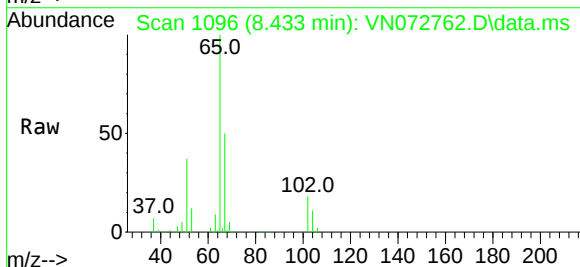


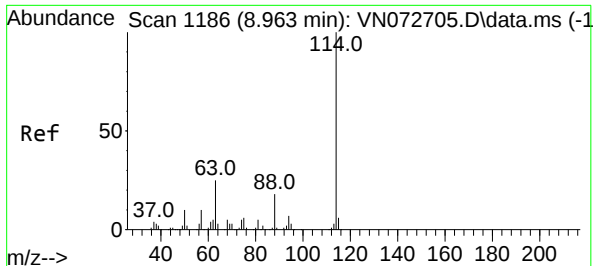
Tgt Ion: 56 Resp: 5375
Ion Ratio Lower Upper
56 100
69 128.4 27.8 41.8#
84 88.7 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 58.912 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

Tgt Ion: 65 Resp: 263488
Ion Ratio Lower Upper
65 100
67 50.2 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: VN072762.D

Acq: 10 Jun 2022 14:08

Instrument :

MSVOA_N

ClientSampleId :

21ST-CASING-3

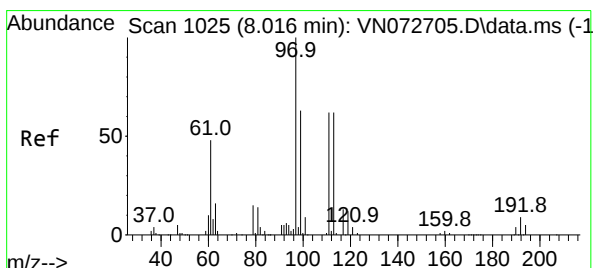
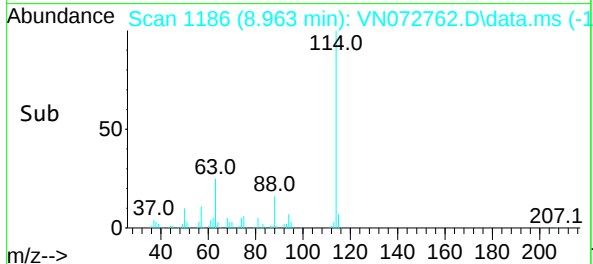
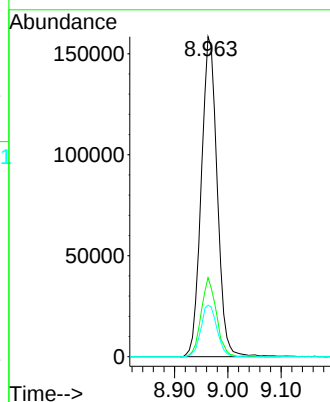
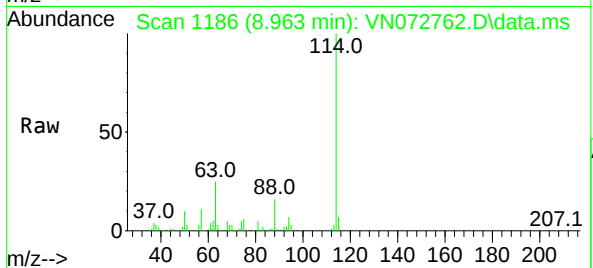
Tgt Ion:114 Resp: 328846

Ion Ratio Lower Upper

114 100

63 24.7 0.0 40.0

88 16.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 56.543 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072762.D

Acq: 10 Jun 2022 14:08

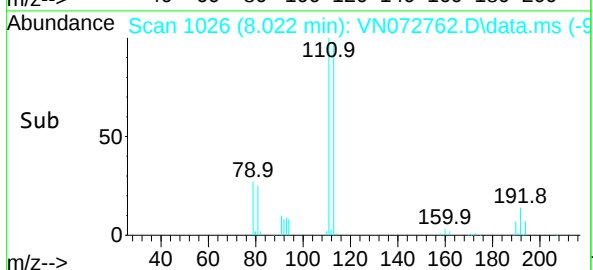
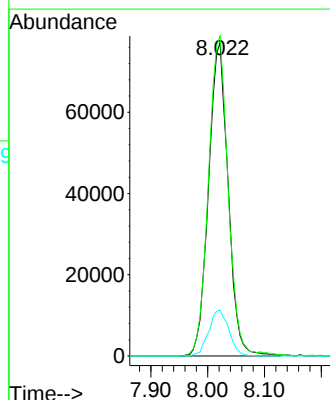
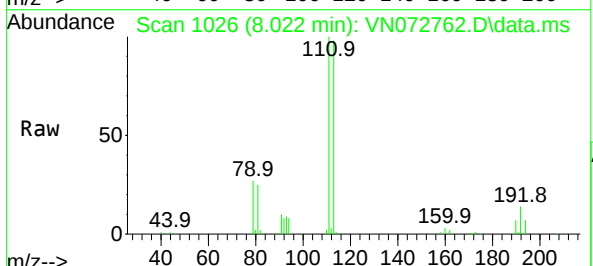
Tgt Ion:113 Resp: 183985

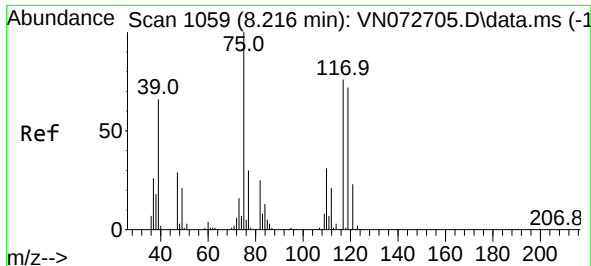
Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

192 15.0 17.0 25.6#

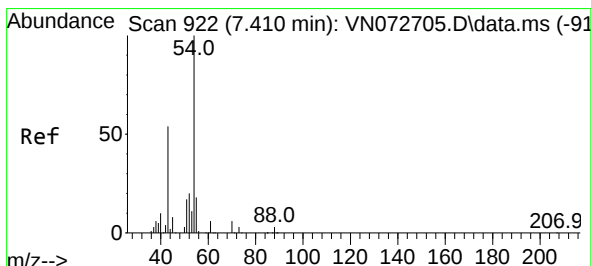
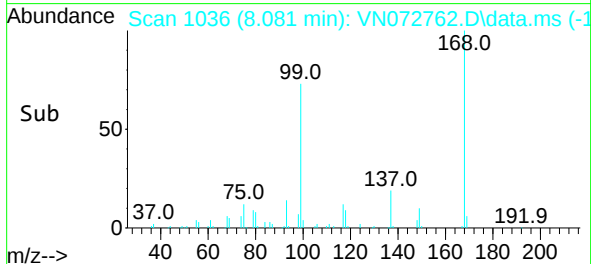
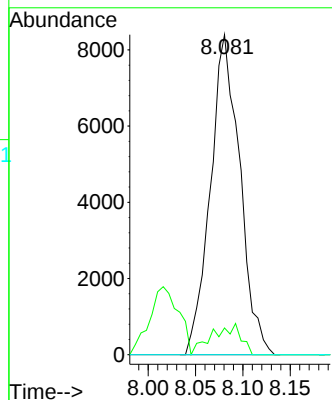
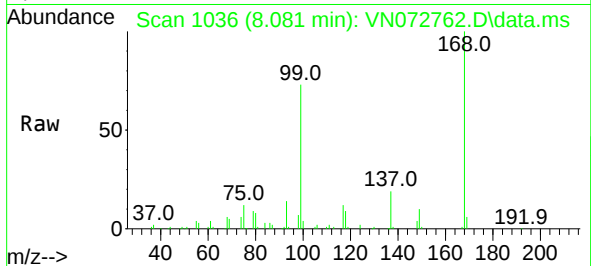




#36
1,1-Dichloropropene
Concen: 4.024 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

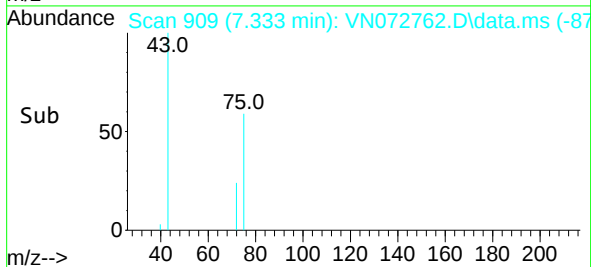
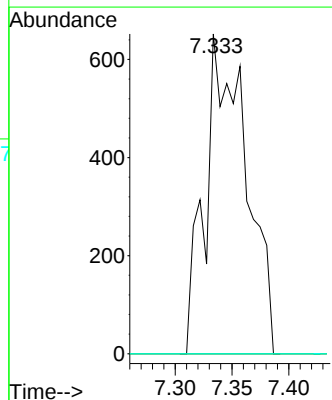
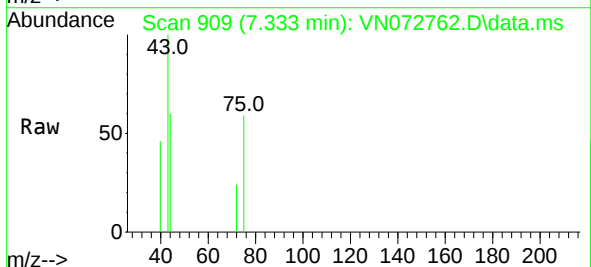
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

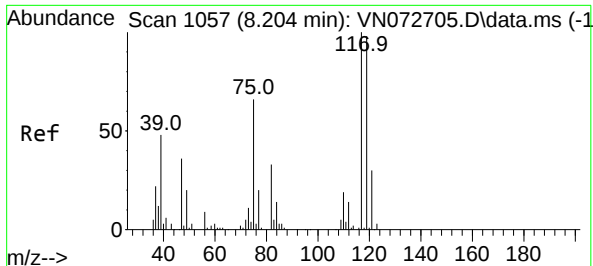
Tgt Ion: 75 Resp: 18173
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 0.233 ug/l
RT: 7.333 min Scan# 909
Delta R.T. -0.077 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

Tgt Ion: 43 Resp: 1633
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#

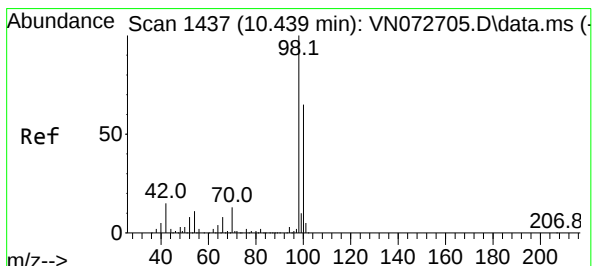
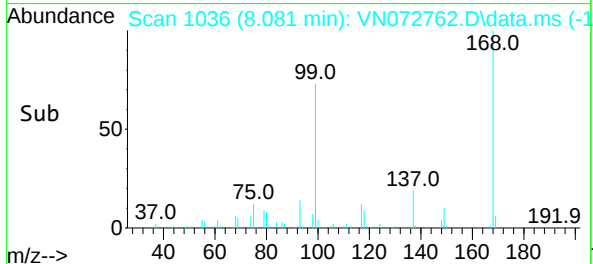
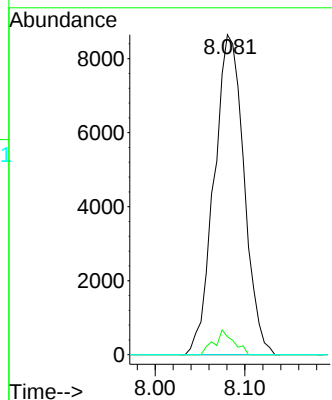
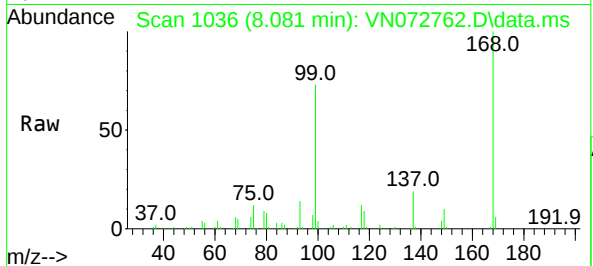




#38
Carbon Tetrachloride
Concen: 4.140 ug/l
RT: 8.081 min Scan# 1057
Delta R.T. -0.123 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

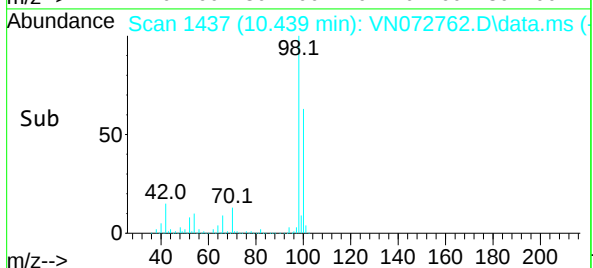
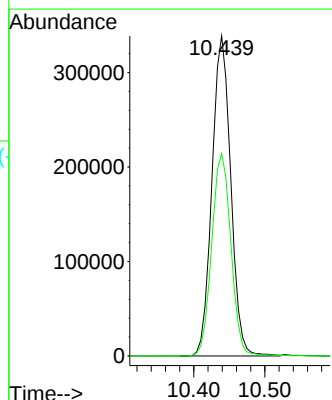
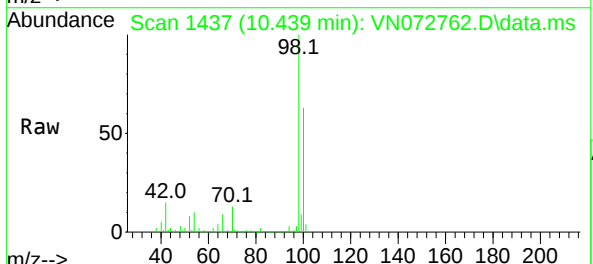
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

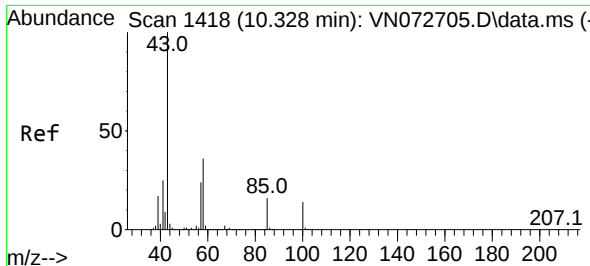
Tgt Ion:117 Resp: 19982
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 47.809 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

Tgt Ion: 98 Resp: 620673
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

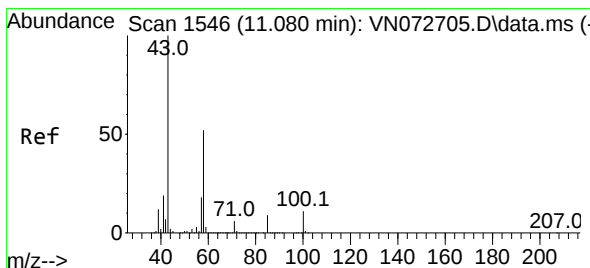
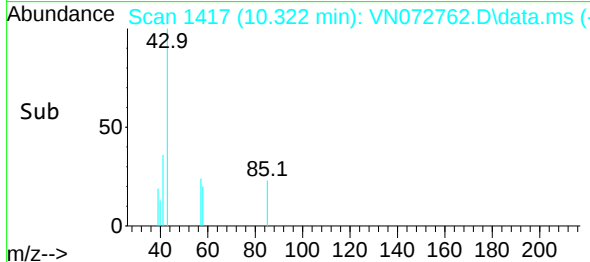
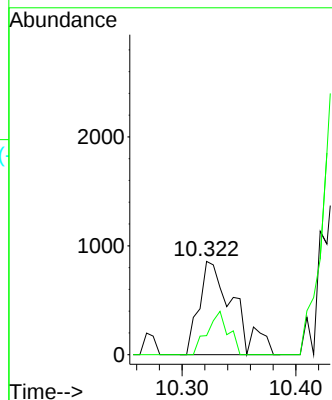
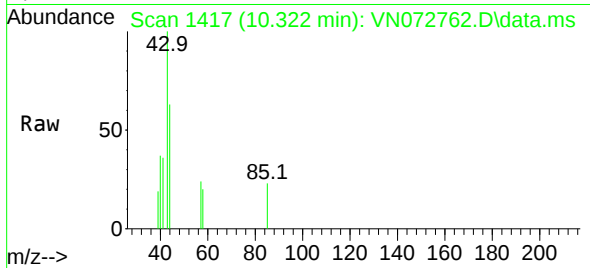




#51
4-Methyl-2-Pentanone
Concen: 0.256 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

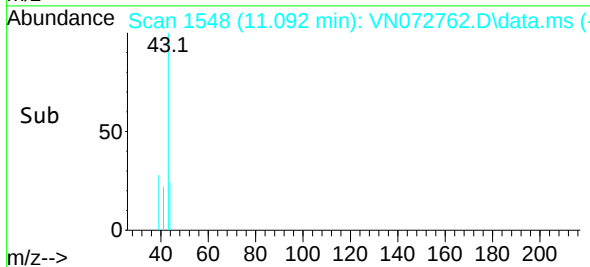
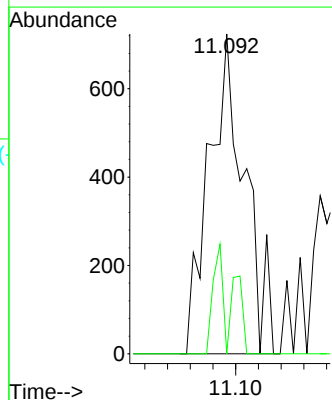
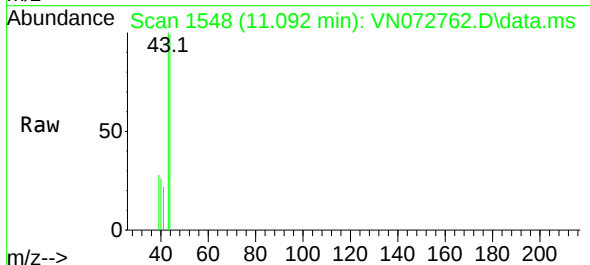
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

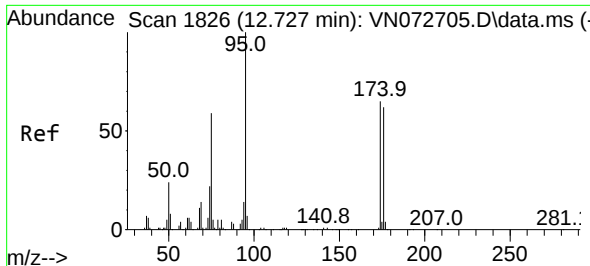
Tgt Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
58 28.3 34.1 51.1#



#59
2-Hexanone
Concen: 0.302 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.012 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

Tgt Ion: 43 Resp: 1578
Ion Ratio Lower Upper
43 100
58 9.3 29.7 89.1#

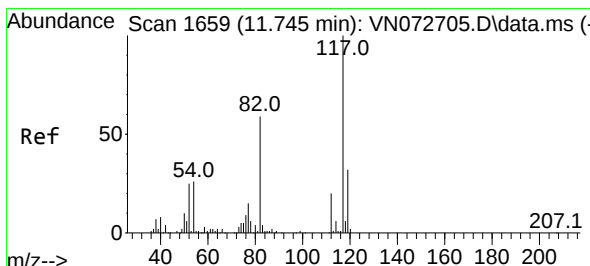
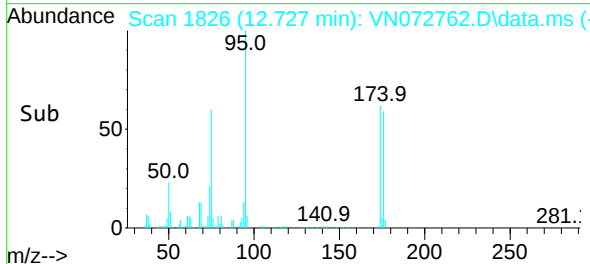
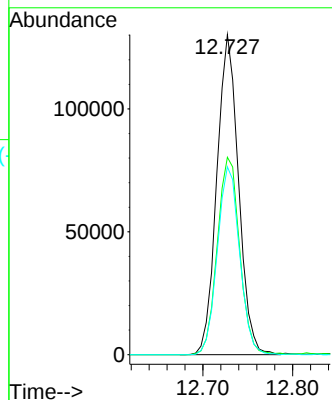
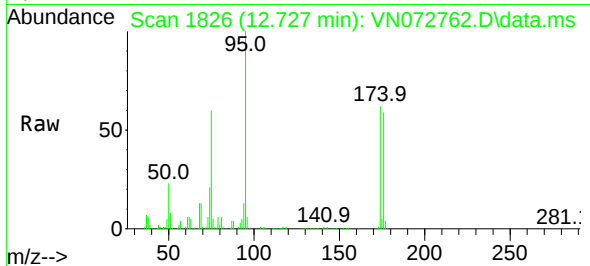




#62
4-Bromofluorobenzene
Concen: 49.094 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

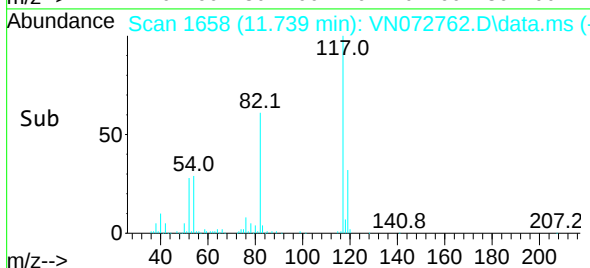
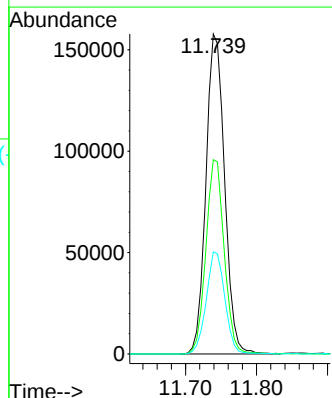
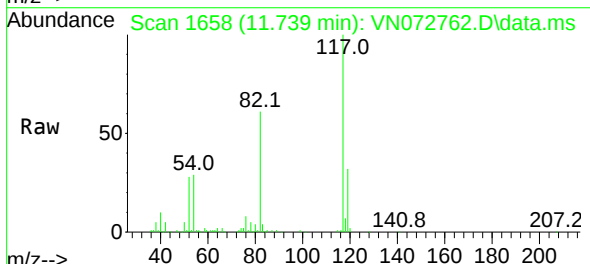
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

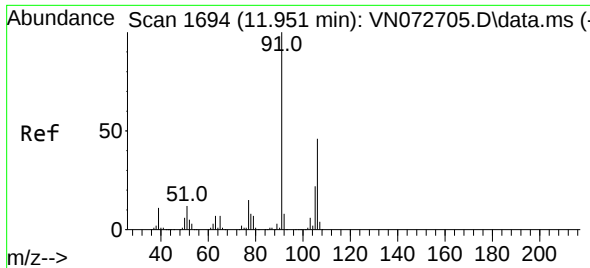
Tgt Ion: 95 Resp: 218706
Ion Ratio Lower Upper
95 100
174 63.7 0.0 167.6
176 60.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

Tgt Ion: 117 Resp: 288118
Ion Ratio Lower Upper
117 100
82 60.7 44.2 66.2
119 31.9 25.4 38.0

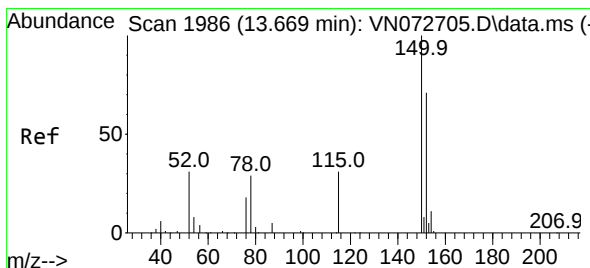
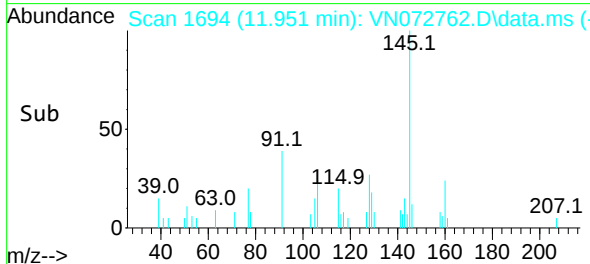
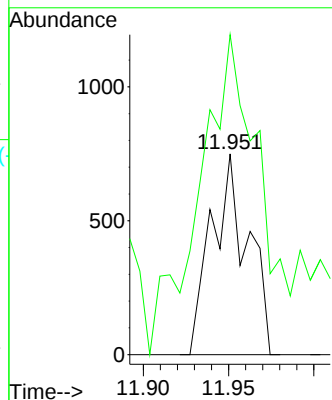
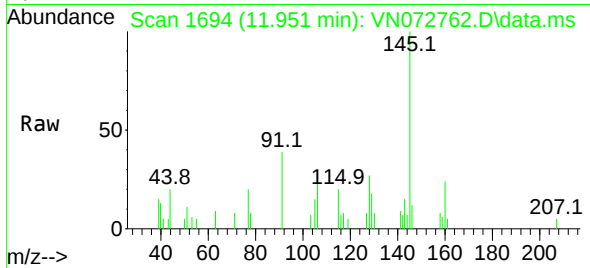




#68
m/p-Xylenes
Concen: 0.216 ug/l
RT: 11.951 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

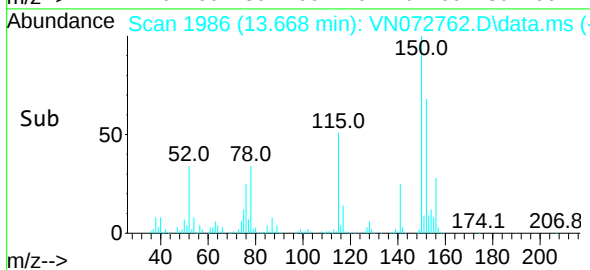
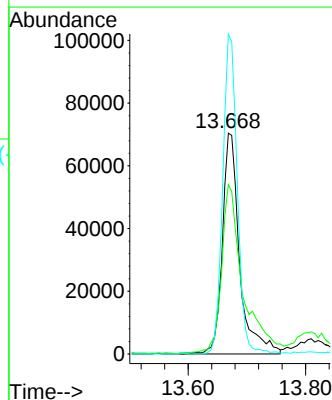
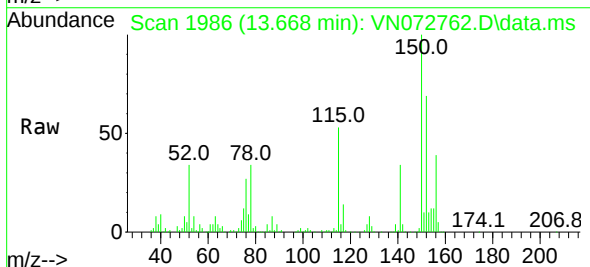
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

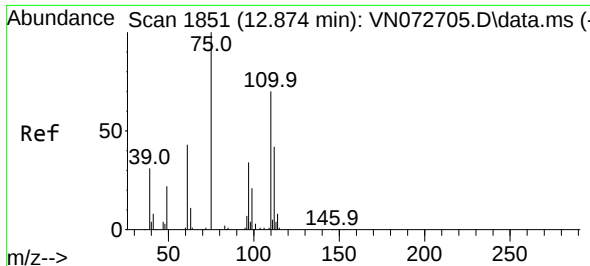
Tgt Ion:106 Resp: 1109
Ion Ratio Lower Upper
106 100
91 262.6 158.9 238.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

Tgt Ion:152 Resp: 143529
Ion Ratio Lower Upper
152 100
115 95.6 28.9 86.7#
150 122.6 0.0 356.2

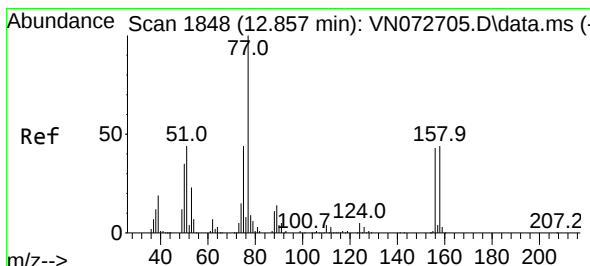
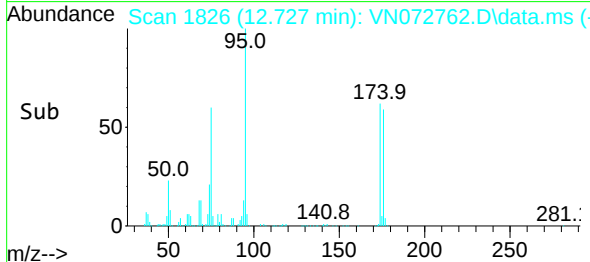
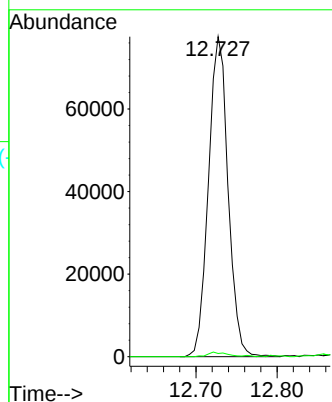
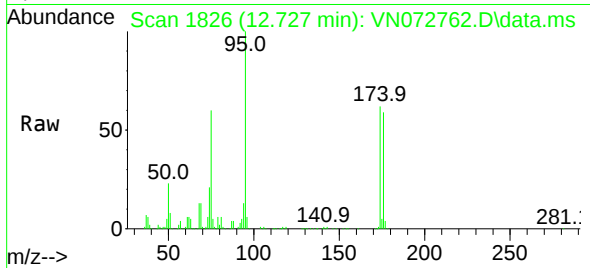




#76
1,2,3-Trichloropropane
Concen: 28.087 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

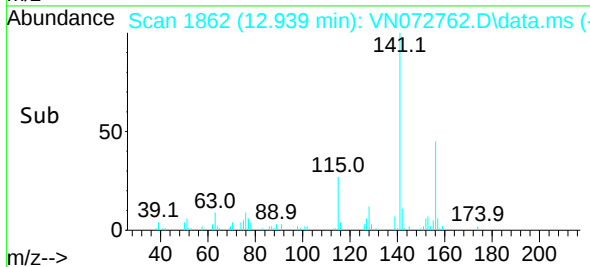
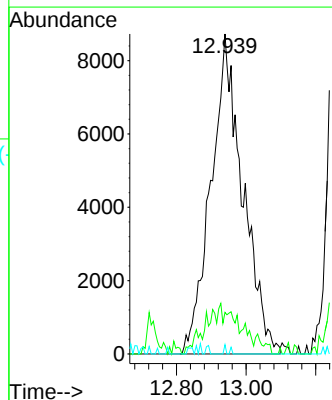
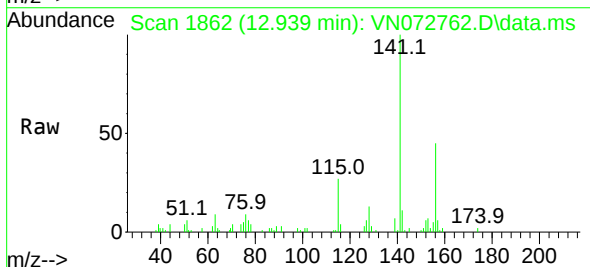
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

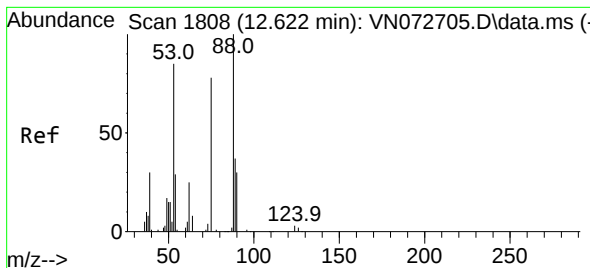
Tgt Ion: 75 Resp: 130086
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#77
Bromobenzene
Concen: 18.212 ug/l
RT: 12.939 min Scan# 1862
Delta R.T. 0.082 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

Tgt Ion: 156 Resp: 55272
Ion Ratio Lower Upper
156 100
77 0.7 100.5 301.5#
158 0.2 48.9 146.6#

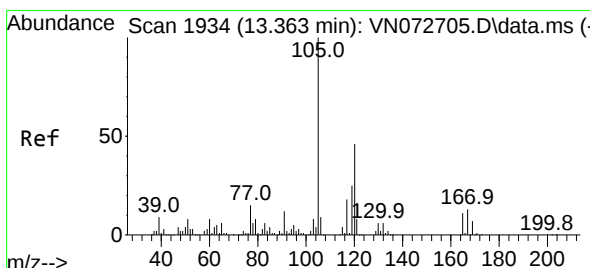
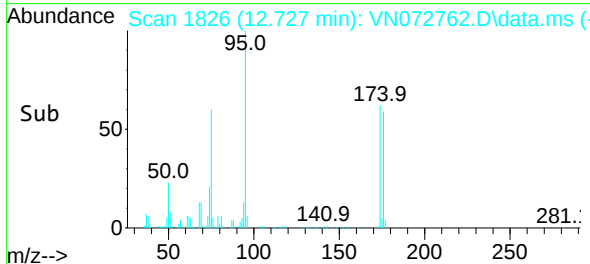
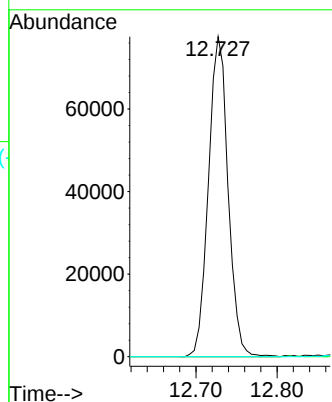
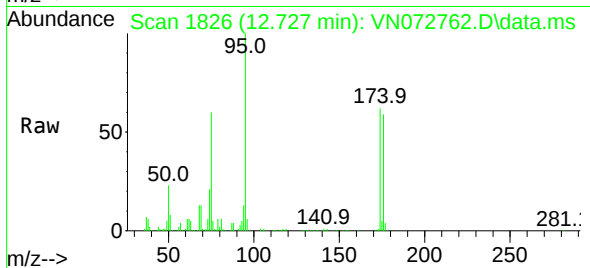




#81
trans-1,4-Dichloro-2-butene
Concen: 73.454 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

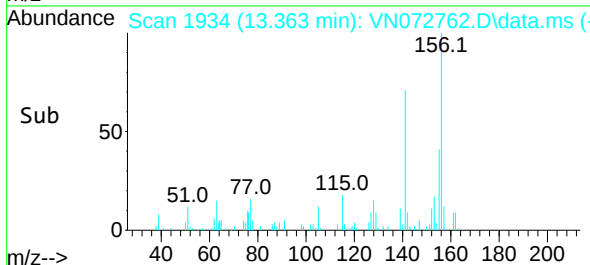
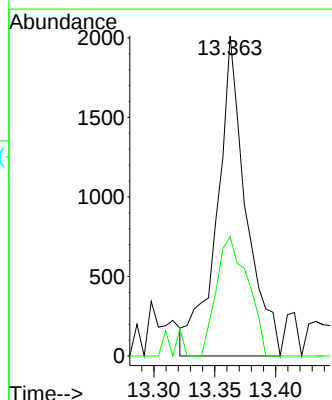
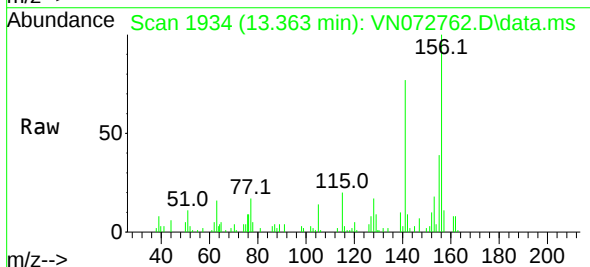
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

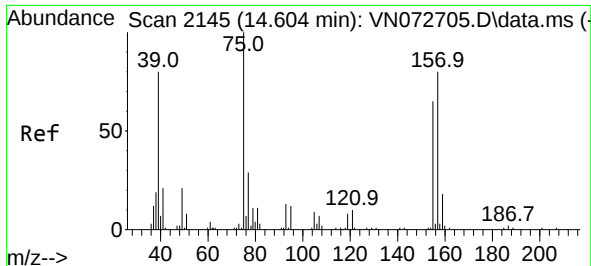
Tgt Ion: 75 Resp: 130086
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.286 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

Tgt Ion: 105 Resp: 3340
Ion Ratio Lower Upper
105 100
120 40.3 23.3 69.8

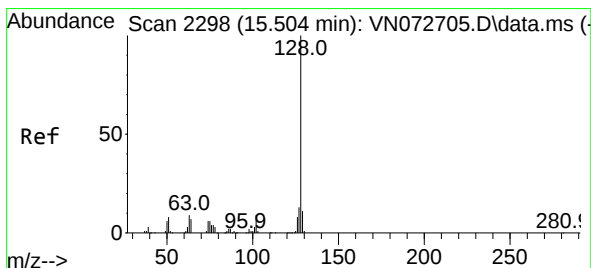
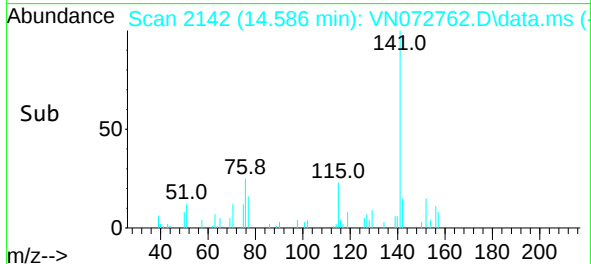
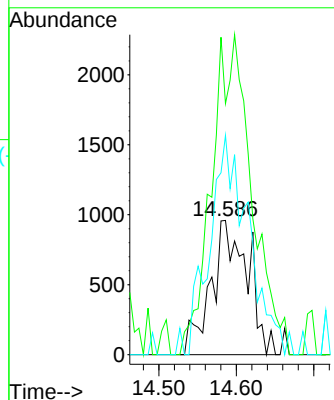
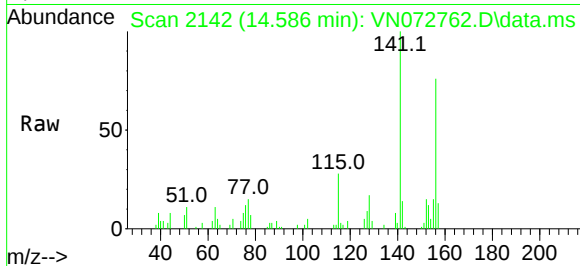




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.440 ug/l
RT: 14.586 min Scan# 2145
Delta R.T. -0.018 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

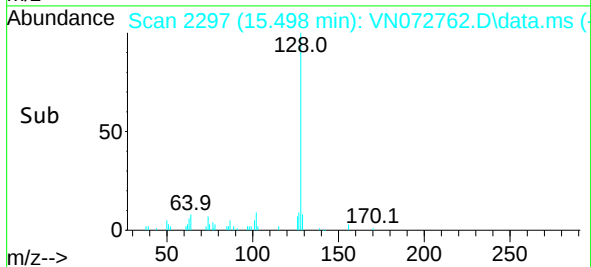
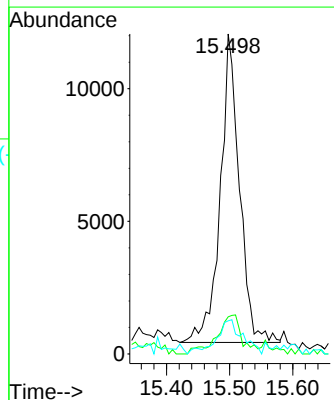
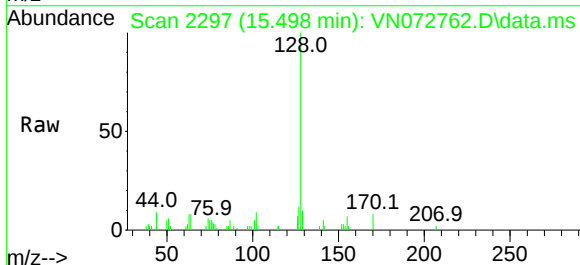
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-3

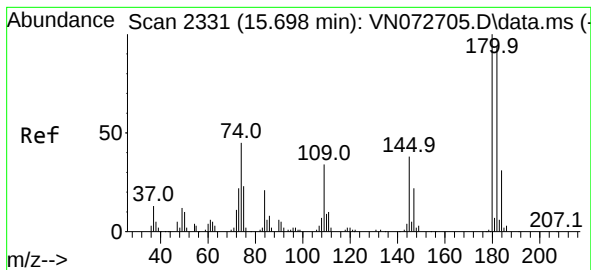
Tgt Ion: 75 Resp: 3150
Ion Ratio Lower Upper
75 100
155 262.3 44.9 134.5#
157 176.5 59.0 176.8



#95
Naphthalene
Concen: 2.610 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN072762.D
Acq: 10 Jun 2022 14:08

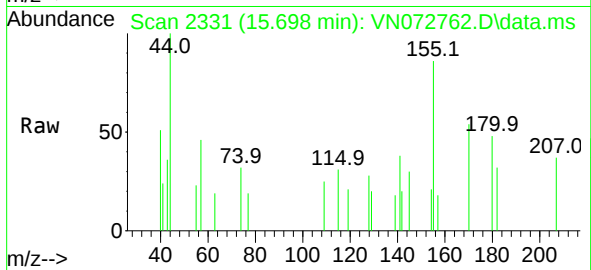
Tgt Ion: 128 Resp: 24616
Ion Ratio Lower Upper
128 100
127 16.4 10.3 15.5#
129 15.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.259 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN072762.D
 Acq: 10 Jun 2022 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 21ST-CASING-3



Tgt Ion:	180	Resp:	627
Ion	Ratio	Lower	Upper
180	100		
182	56.9	47.8	143.3
145	37.3	15.5	46.5

