

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
 Data File : VN072743.D
 Acq On : 09 Jun 2022 20:20
 Operator : JC\MD
 Sample : N3280-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33RD-AVE-CASING-10

Quant Time: Jun 10 01:47:14 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)

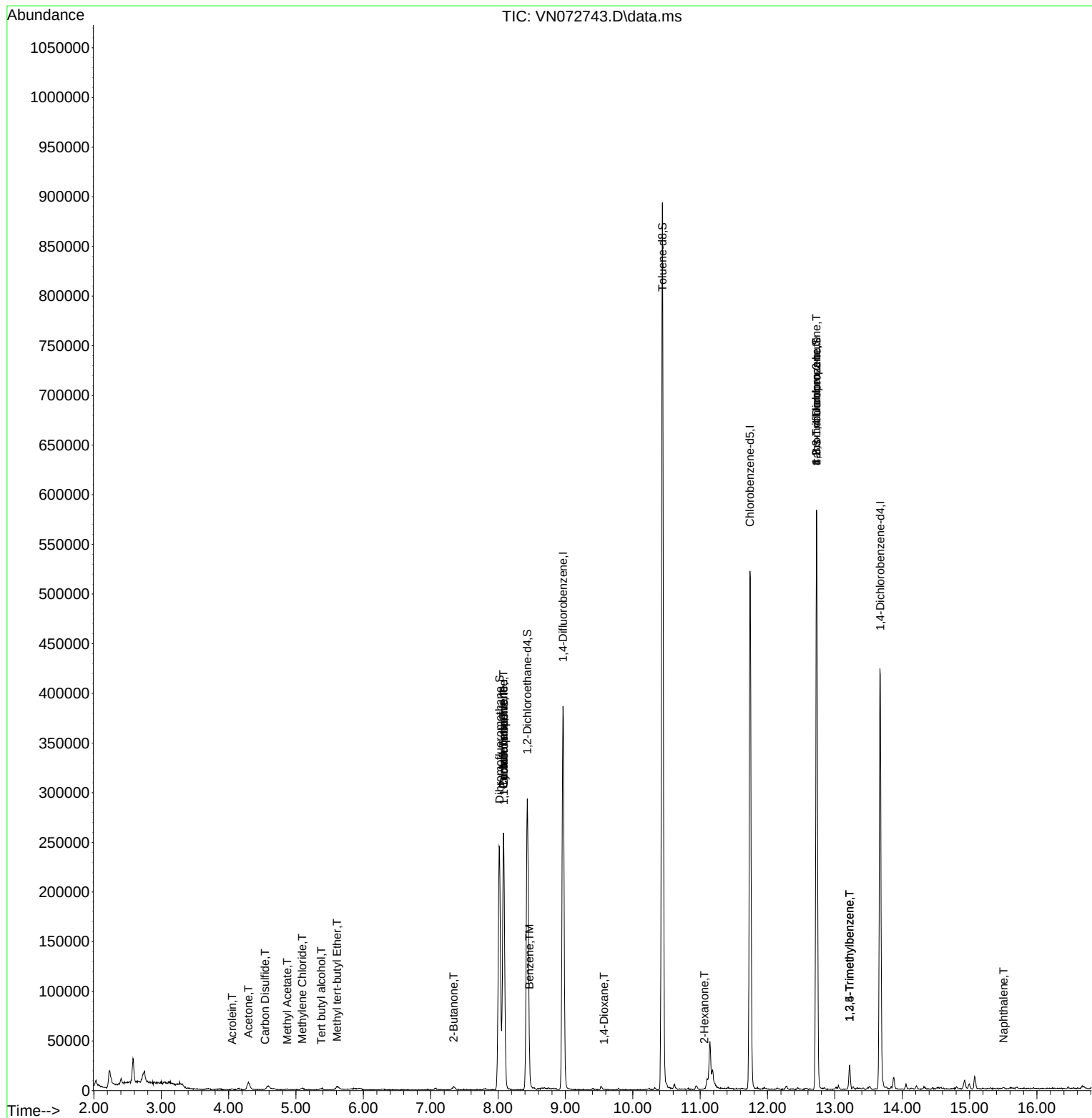
Internal Standards						
1) Pentafluorobenzene	8.081	168	160441	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	311956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	273416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	98253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	243120	56.459	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 112.920%			
35) Dibromofluoromethane	8.022	113	173765	56.294	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 112.580%			
50) Toluene-d8	10.439	98	571833	46.432	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 92.860%			
62) 4-Bromofluorobenzene	12.727	95	196882	46.588	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.180%			
Target Compounds						
						Qvalue
3) Chloromethane	2.293	50	577	Below Cal	#	43
5) Bromomethane	2.834	94	81	Below Cal	#	2
6) Chloroethane	3.004	64	276	Below Cal	#	42
11) Tert butyl alcohol	5.375	59	2413	2.349	ug/l #	72
13) Acrolein	4.051	56	913	2.152	ug/l #	80
16) Acetone	4.293	43	14516	7.035	ug/l #	79
17) Carbon Disulfide	4.540	76	312	0.341	ug/l #	75
18) Methyl Acetate	4.869	43	1829	0.341	ug/l #	60
19) Methyl tert-butyl Ether	5.610	73	4394	0.420	ug/l #	89
20) Methylene Chloride	5.092	84	1224	0.205	ug/l	92
25) 2-Butanone	7.339	43	5612	1.691	ug/l	94
31) Cyclohexane	8.081	56	5282	0.454	ug/l #	47
36) 1,1-Dichloropropene	8.086	75	17446	4.072	ug/l #	49
38) Carbon Tetrachloride	8.081	117	20116	4.393	ug/l #	16
40) Benzene	8.463	78	4336	0.333	ug/l	97
49) 1,4-Dioxane	9.575	88	216	2.409	ug/l #	55
59) 2-Hexanone	11.063	43	1271	0.256	ug/l #	21
76) 1,2,3-Trichloropropane	12.727	75	118305	37.314	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.215	105	14047	1.682	ug/l	71
81) trans-1,4-Dichloro-2-b...	12.727	75	118305	97.585	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.215	105	14047	1.758	ug/l	75
95) Naphthalene	15.504	128	1915	0.297	ug/l #	90

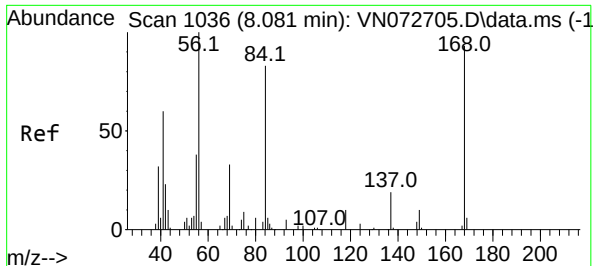
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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33RD-AVE-CASING-10

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Quant Title : SW846 8260
QLast Update : Thu Jun 09 05:17:31 2022
Response via : Initial Calibration

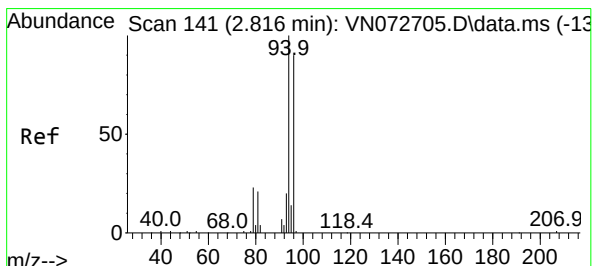
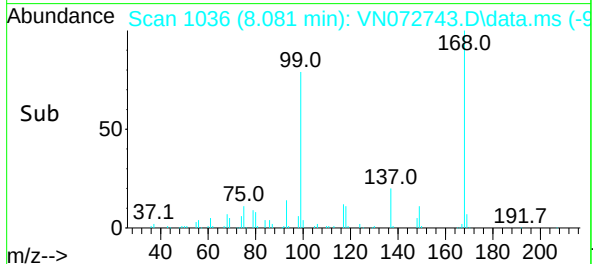
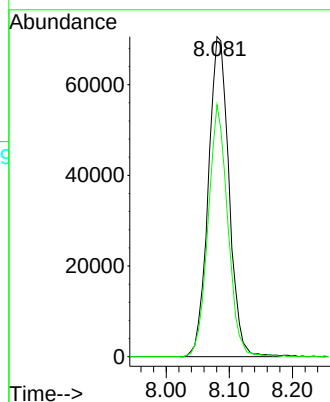
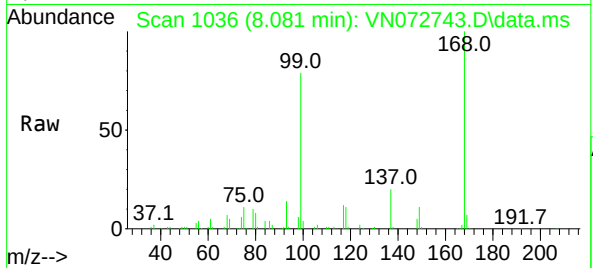




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

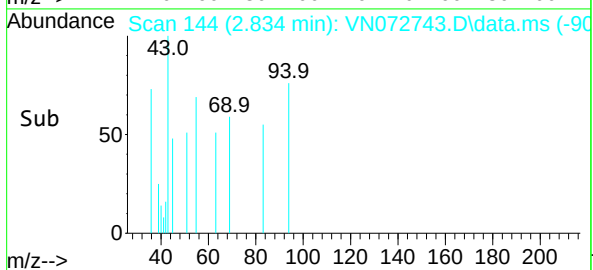
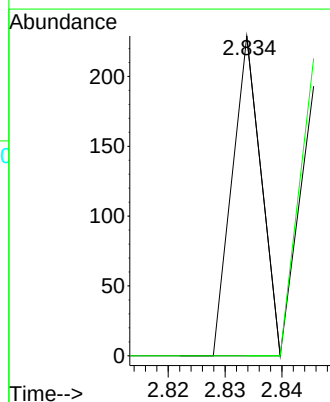
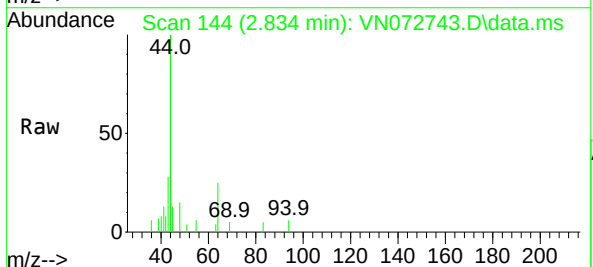
Instrument :
MSVOA_N
ClientSampleId :
33RD-AVE-CASING-10

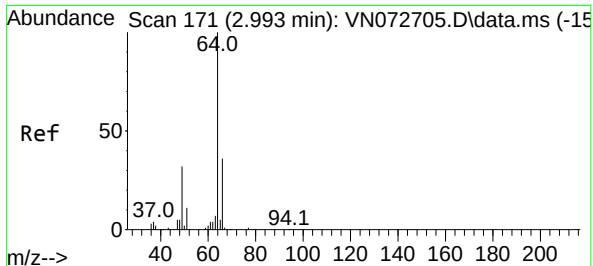
Tgt Ion:168 Resp: 160441
Ion Ratio Lower Upper
168 100
99 78.8 42.3 63.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.834 min Scan# 144
Delta R.T. 0.018 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

Tgt Ion: 94 Resp: 81
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

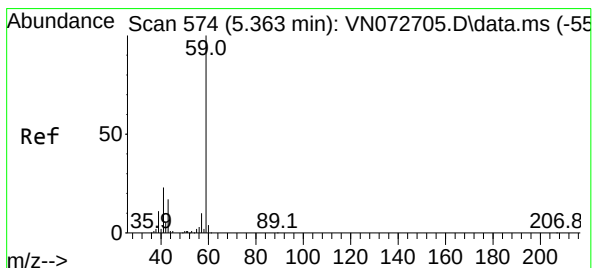
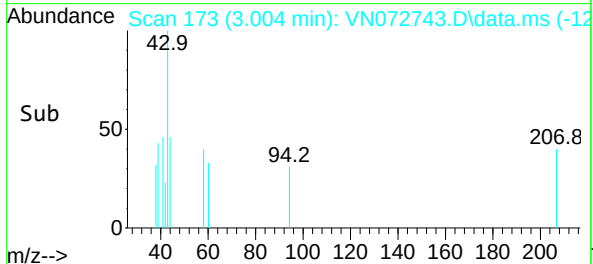
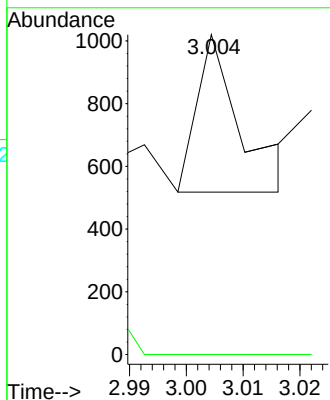
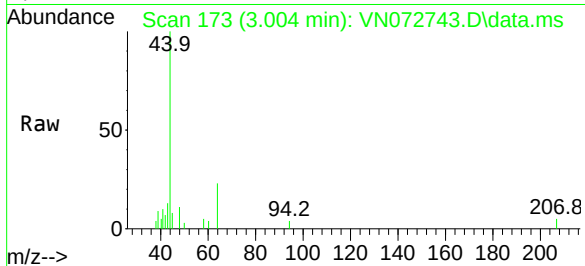




#6
Chloroethane
Concen: Below Cal
RT: 3.004 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

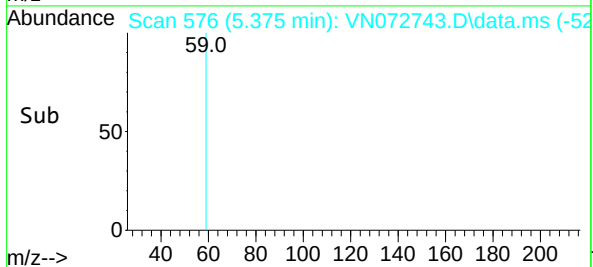
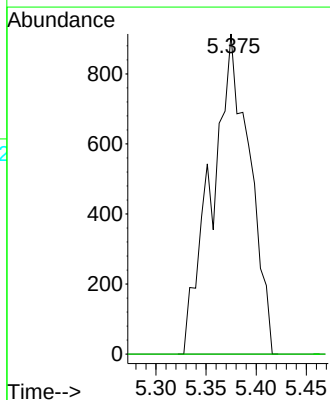
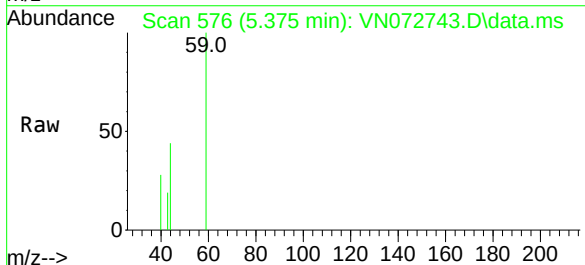
Instrument :
MSVOA_N
ClientSampleId :
33RD-AVE-CASING-10

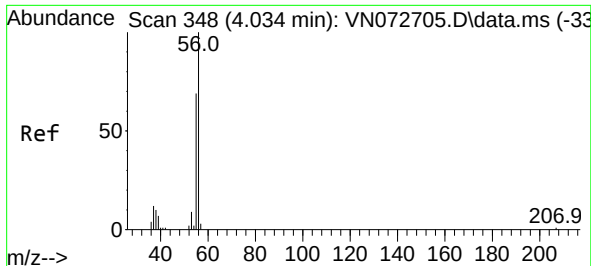
Tgt Ion: 64 Resp: 276
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.349 ug/l
RT: 5.375 min Scan# 576
Delta R.T. 0.012 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

Tgt Ion: 59 Resp: 2413
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

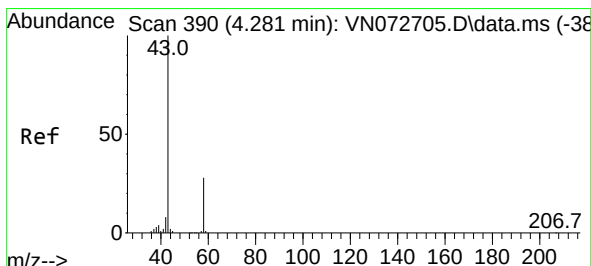
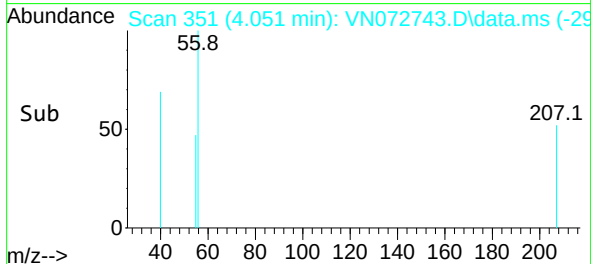
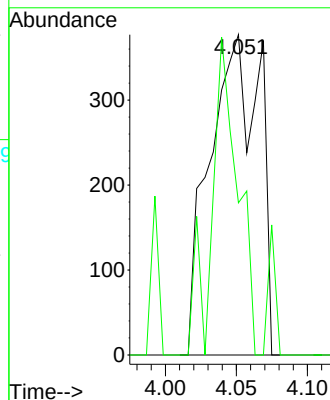
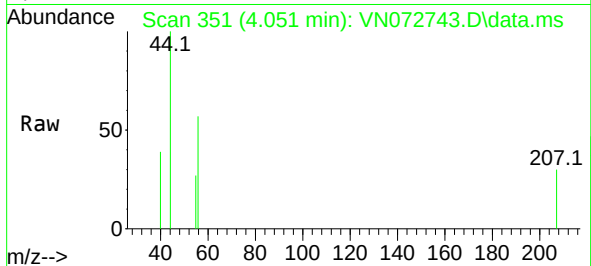




#13
Acrolein
Concen: 2.152 ug/l
RT: 4.051 min Scan# 31
Delta R.T. 0.017 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

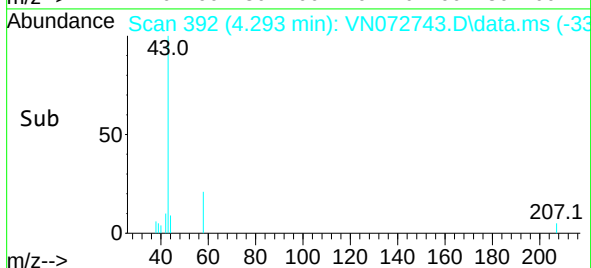
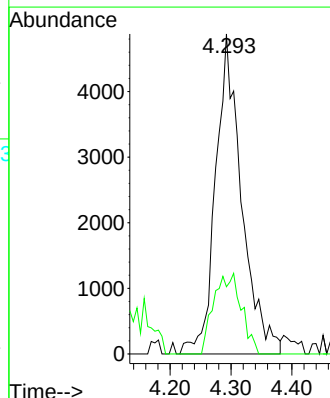
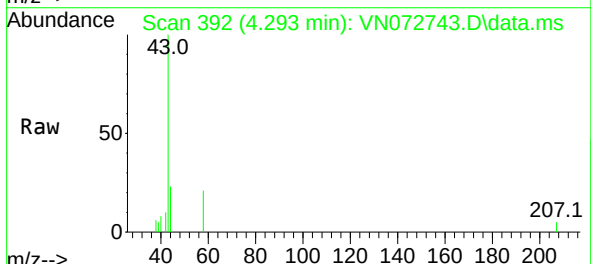
Instrument :
MSVOA_N
ClientSampleId :
33RD-AVE-CASING-10

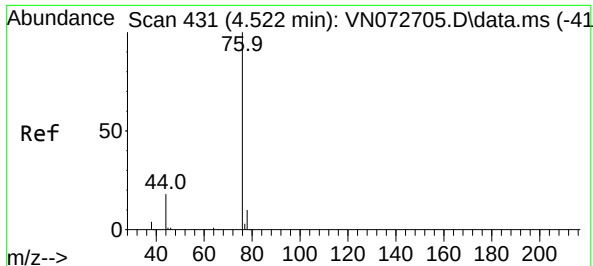
Tgt Ion: 56 Resp: 913
Ion Ratio Lower Upper
56 100
55 52.7 54.8 82.2#



#16
Acetone
Concen: 7.035 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

Tgt Ion: 43 Resp: 14516
Ion Ratio Lower Upper
43 100
58 21.0 26.0 39.0#

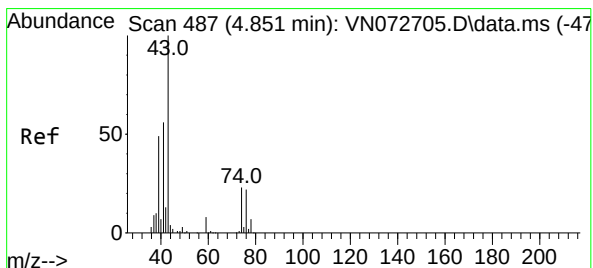
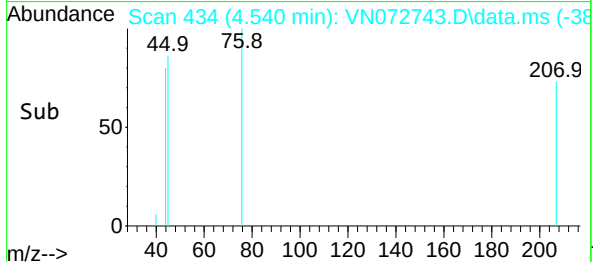
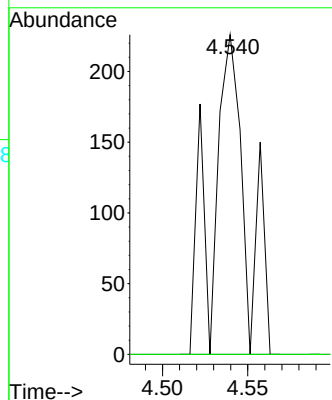
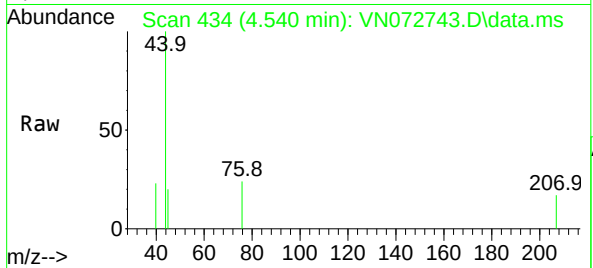




#17
Carbon Disulfide
Concen: 0.341 ug/l
RT: 4.540 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

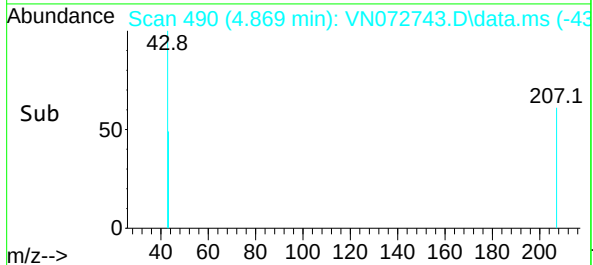
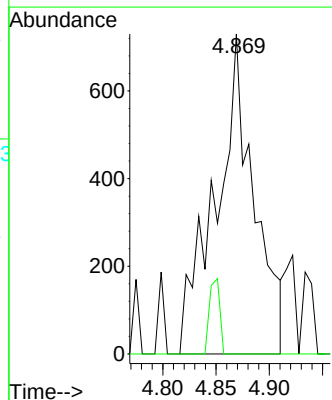
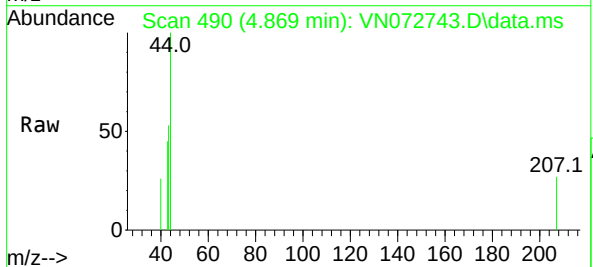
Instrument :
MSVOA_N
ClientSampleId :
33RD-AVE-CASING-10

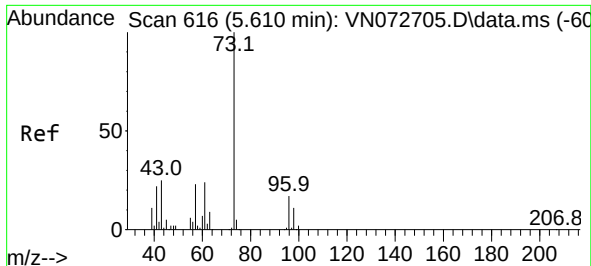
Tgt Ion: 76 Resp: 312
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.341 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.018 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

Tgt Ion: 43 Resp: 1829
Ion Ratio Lower Upper
43 100
74 6.3 21.6 32.4#





#19

Methyl tert-butyl Ether

Concen: 0.420 ug/l

RT: 5.610 min Scan# 616

Delta R.T. 0.000 min

Lab File: VN072743.D

Acq: 09 Jun 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

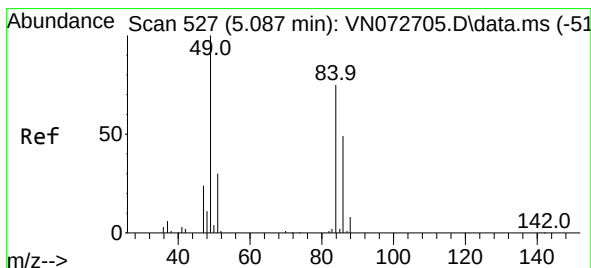
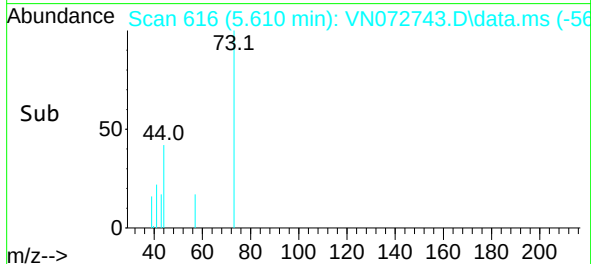
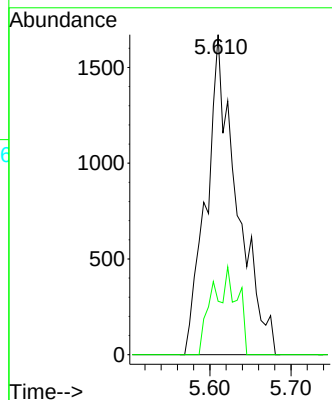
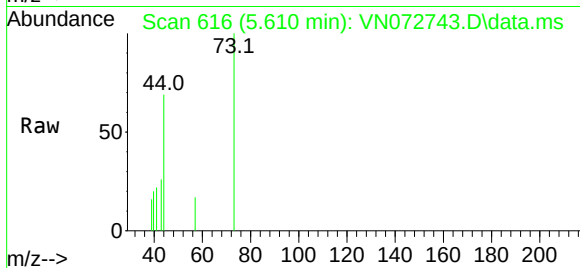
33RD-AVE-CASING-10

Tgt Ion: 73 Resp: 4394

Ion Ratio Lower Upper

73 100

57 16.7 17.6 26.4#



#20

Methylene Chloride

Concen: 0.205 ug/l

RT: 5.092 min Scan# 528

Delta R.T. 0.005 min

Lab File: VN072743.D

Acq: 09 Jun 2022 20:20

Tgt Ion: 84 Resp: 1224

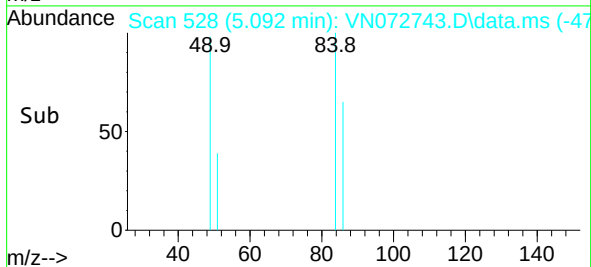
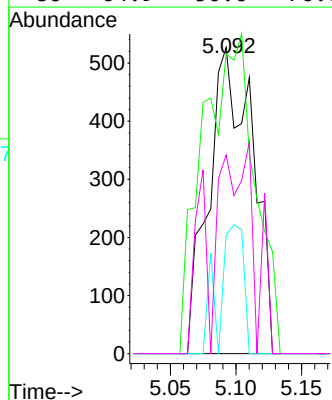
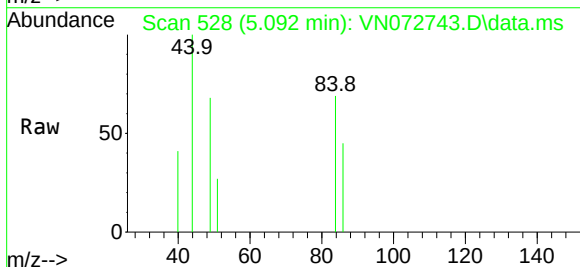
Ion Ratio Lower Upper

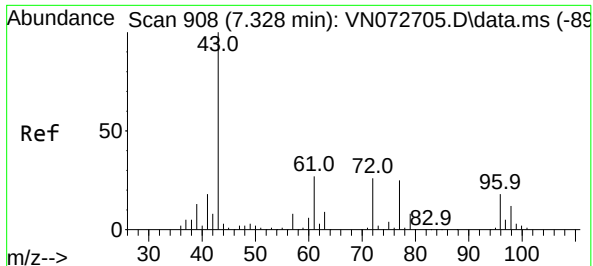
84 100

49 97.9 88.3 132.5

51 38.7 28.2 42.2

86 64.9 50.6 76.0





#25

2-Butanone

Concen: 1.691 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.011 min

Lab File: VN072743.D

Acq: 09 Jun 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

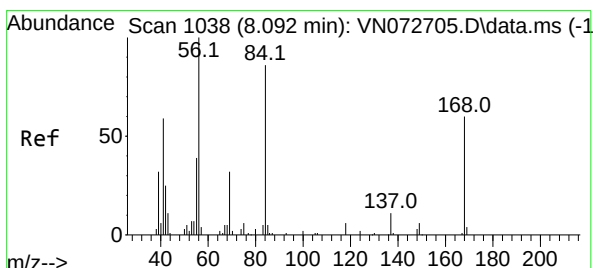
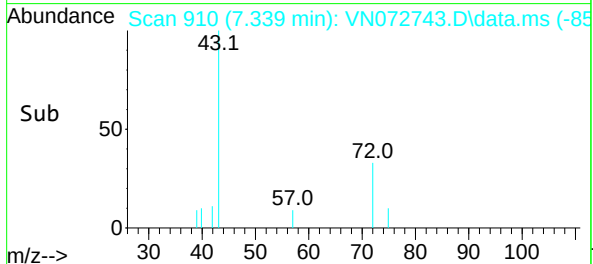
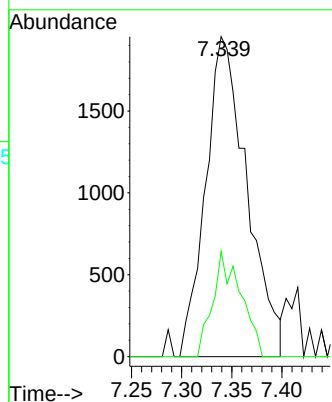
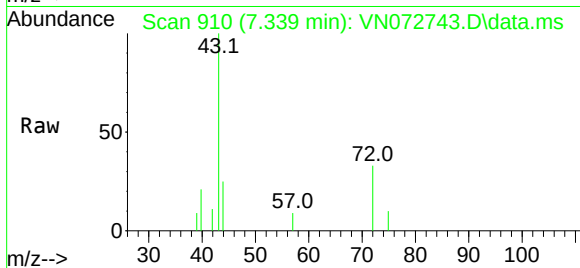
33RD-AVE-CASING-10

Tgt Ion: 43 Resp: 5612

Ion Ratio Lower Upper

43 100

72 32.9 23.7 35.5



#31

Cyclohexane

Concen: 0.454 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072743.D

Acq: 09 Jun 2022 20:20

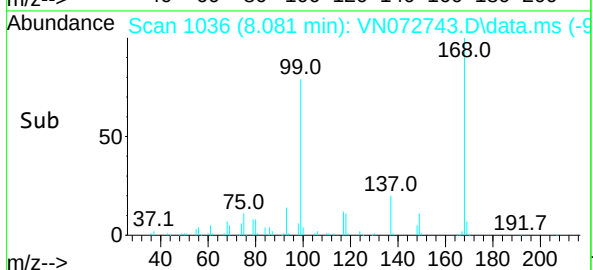
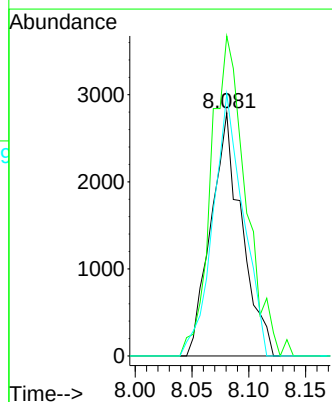
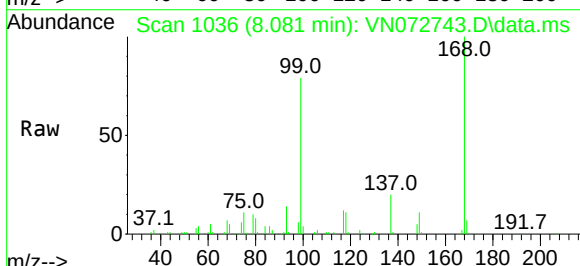
Tgt Ion: 56 Resp: 5282

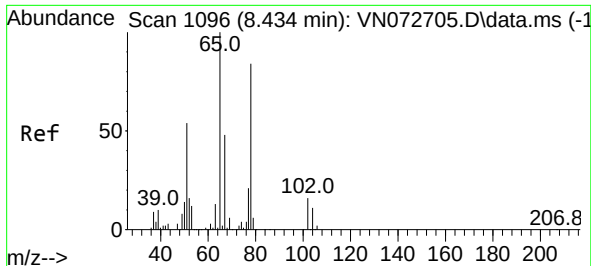
Ion Ratio Lower Upper

56 100

69 131.6 27.8 41.8#

84 107.9 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 56.459 ug/l

RT: 8.433 min Scan# 1109

Delta R.T. -0.001 min

Lab File: VN072743.D

Acq: 09 Jun 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

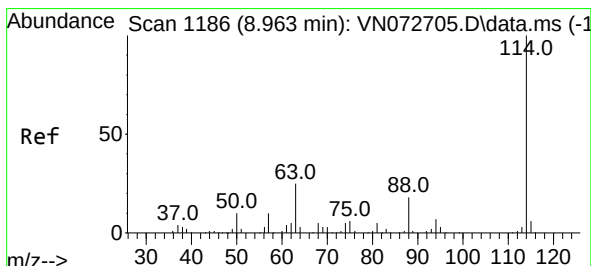
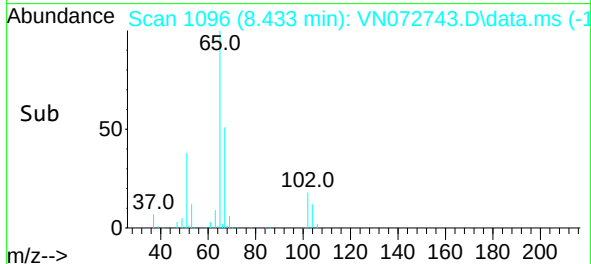
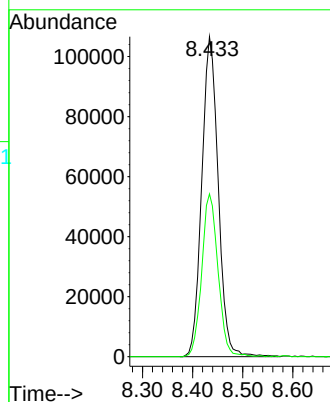
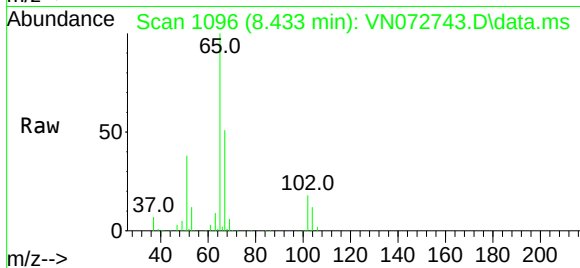
33RD-AVE-CASING-10

Tgt Ion: 65 Resp: 243120

Ion Ratio Lower Upper

65 100

67 50.1 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: VN072743.D

Acq: 09 Jun 2022 20:20

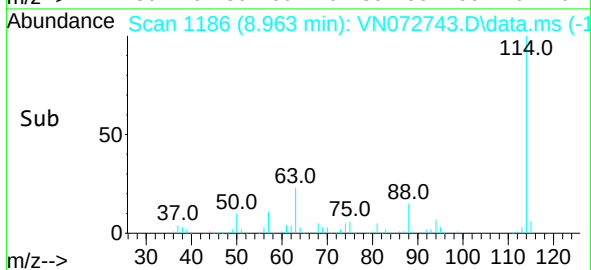
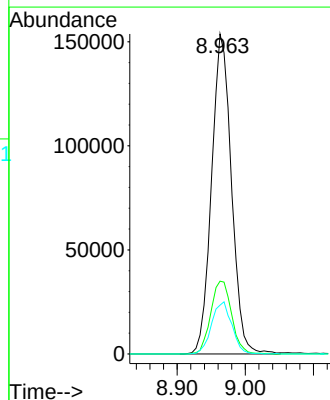
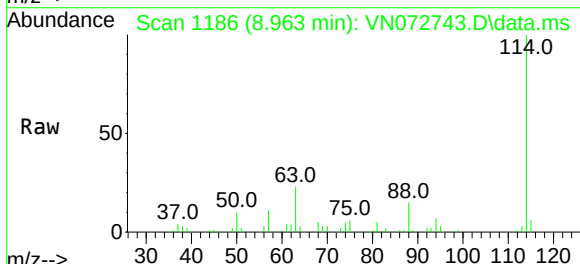
Tgt Ion: 114 Resp: 311956

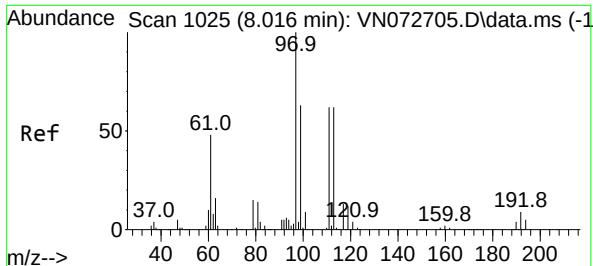
Ion Ratio Lower Upper

114 100

63 22.8 0.0 40.0

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 56.294 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072743.D

Acq: 09 Jun 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

33RD-AVE-CASING-10

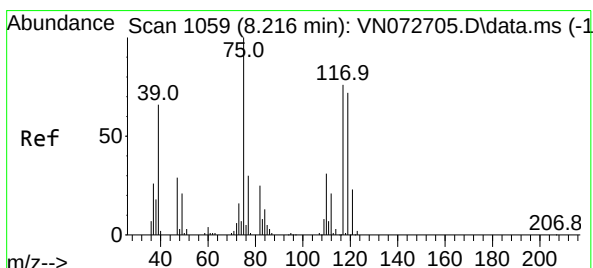
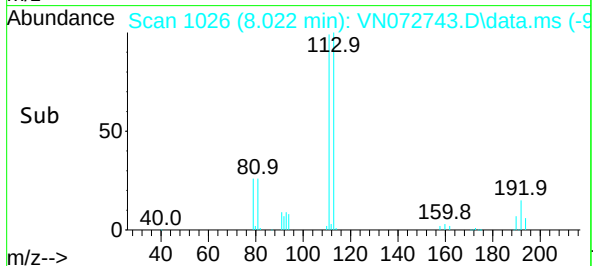
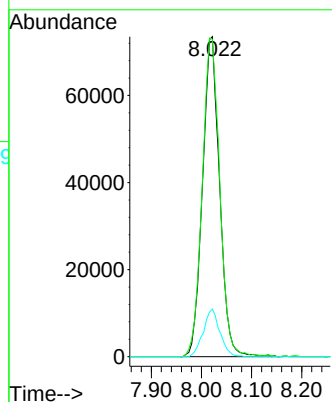
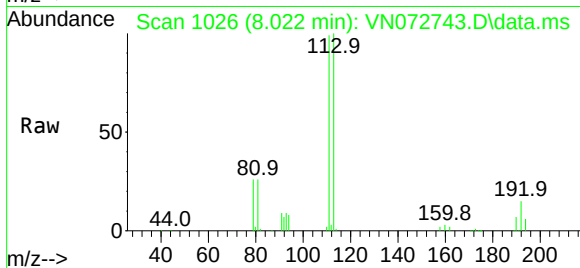
Tgt Ion:113 Resp: 173765

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 14.5 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 4.072 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072743.D

Acq: 09 Jun 2022 20:20

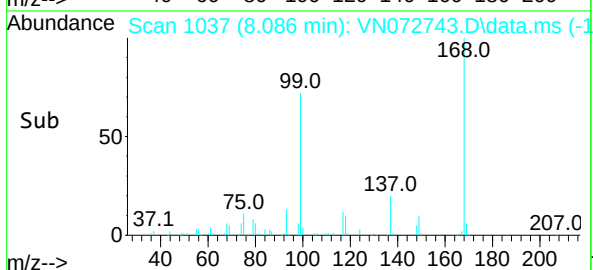
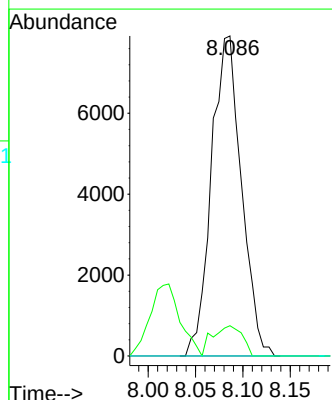
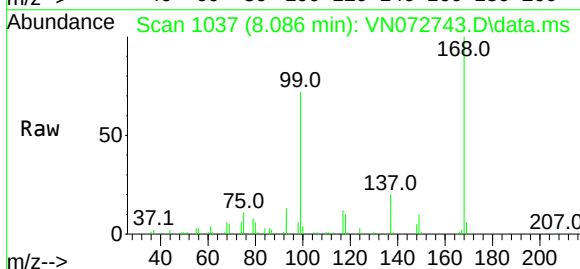
Tgt Ion: 75 Resp: 17446

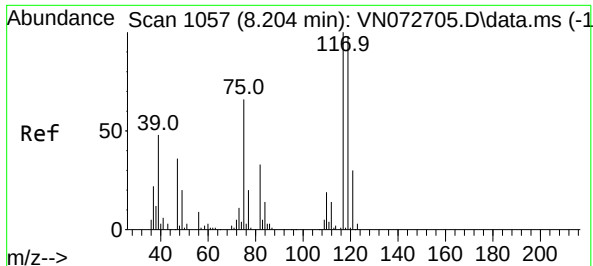
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 0.0 25.1 37.7#

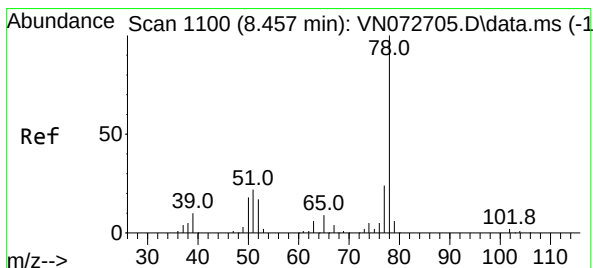
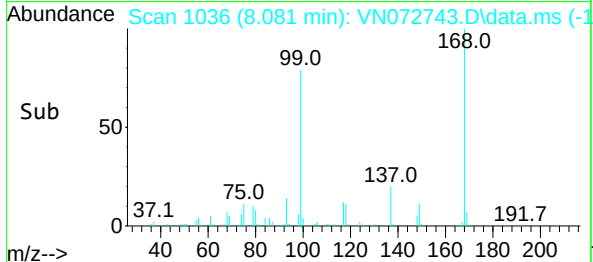
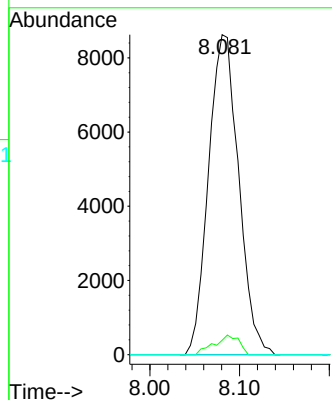
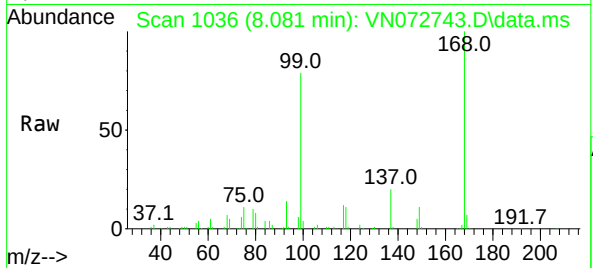




#38
Carbon Tetrachloride
Concen: 4.393 ug/l
RT: 8.081 min Scan# 1101
Delta R.T. -0.123 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

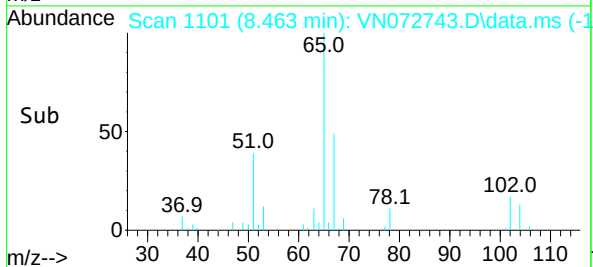
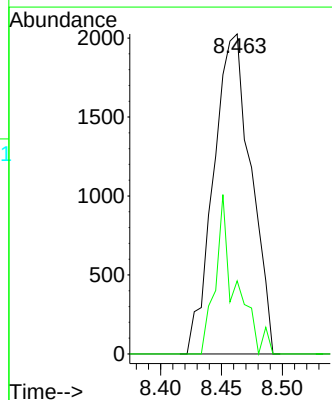
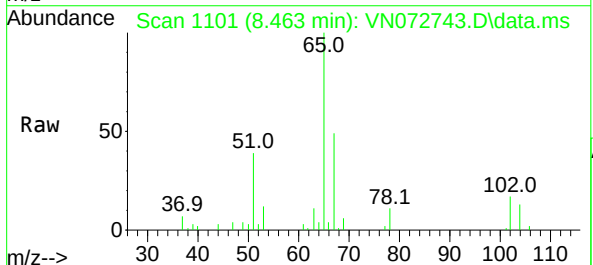
Instrument :
MSVOA_N
ClientSampleId :
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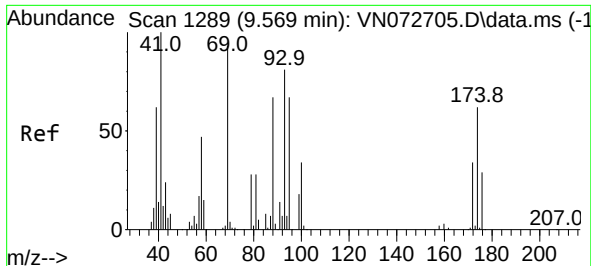
Tgt Ion:117 Resp: 20116
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.333 ug/l
RT: 8.463 min Scan# 1101
Delta R.T. 0.006 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

Tgt Ion: 78 Resp: 4336
Ion Ratio Lower Upper
78 100
77 22.9 19.4 29.0

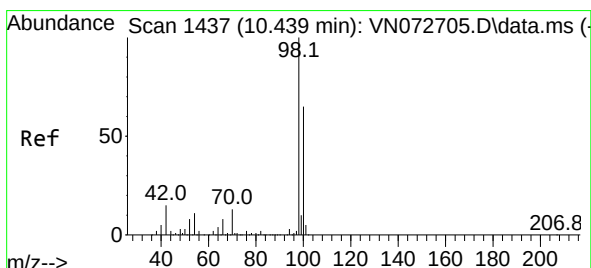
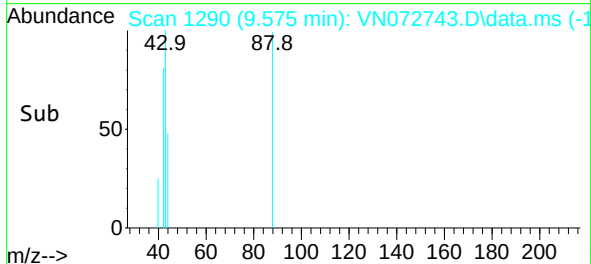
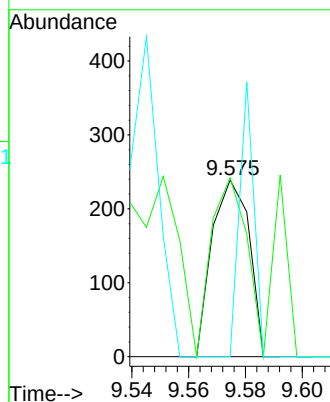
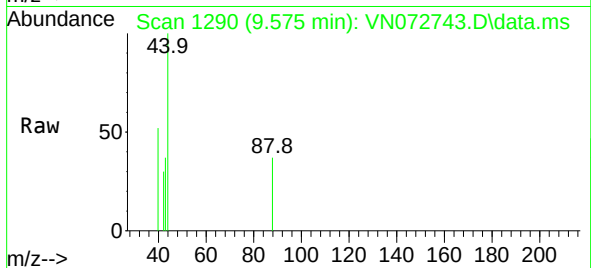




#49
1,4-Dioxane
Concen: 2.409 ug/l
RT: 9.575 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

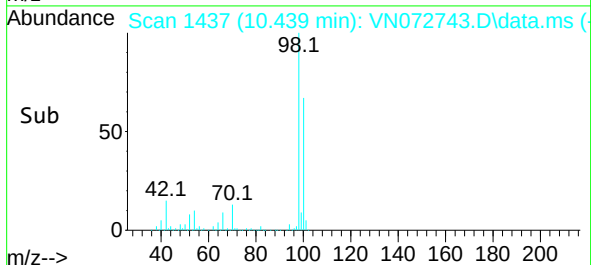
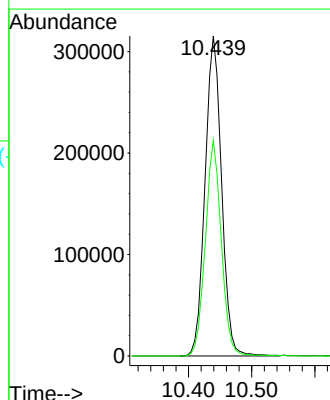
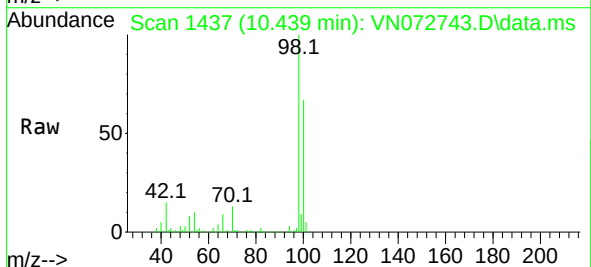
Instrument :
MSVOA_N
ClientSampleId :
33RD-AVE-CASING-10

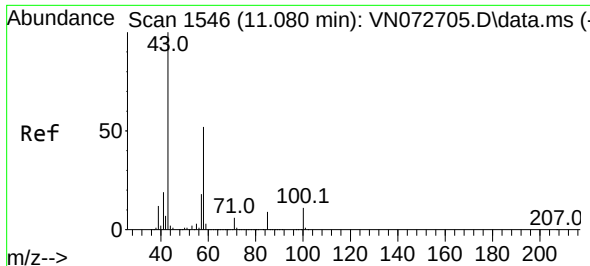
Tgt Ion: 88 Resp: 216
Ion Ratio Lower Upper
88 100
43 97.2 20.2 30.4#
58 60.6 54.2 81.4



#50
Toluene-d8
Concen: 46.432 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

Tgt Ion: 98 Resp: 571833
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

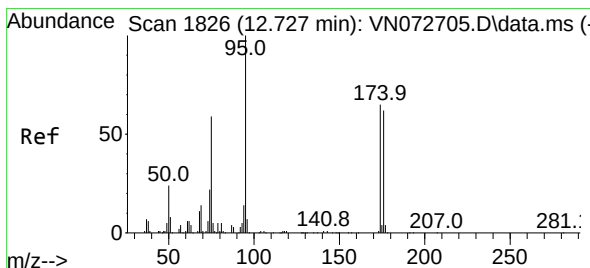
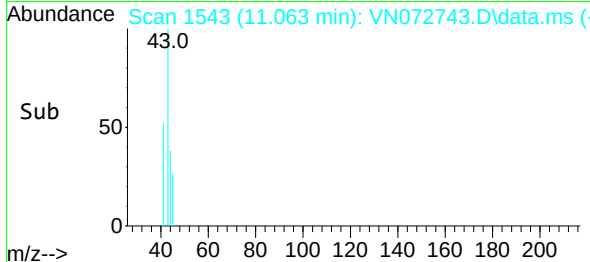
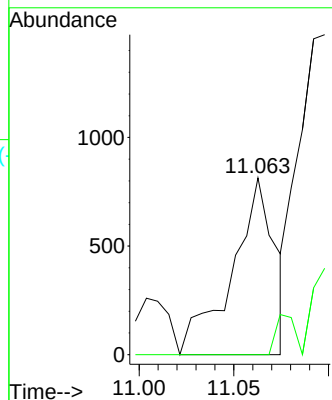
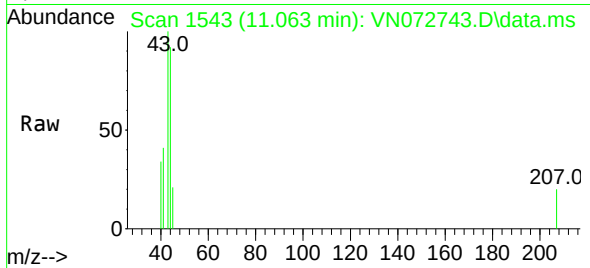




#59
2-Hexanone
Concen: 0.256 ug/l
RT: 11.063 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

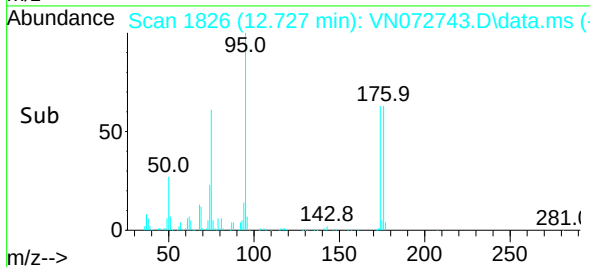
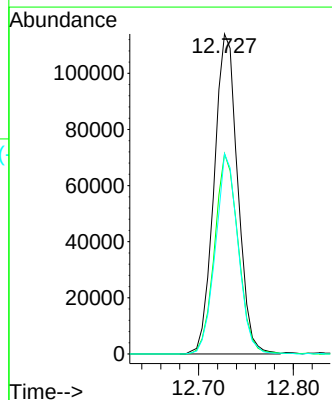
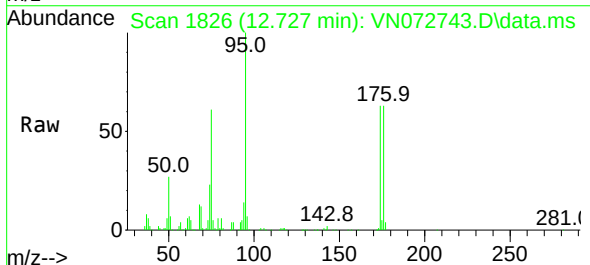
Instrument :
MSVOA_N
ClientSampleId :
33RD-AVE-CASING-10

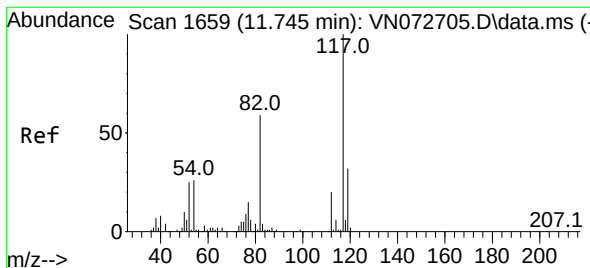
Tgt Ion: 43 Resp: 1271
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 46.588 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

Tgt Ion: 95 Resp: 196882
Ion Ratio Lower Upper
95 100
174 62.6 0.0 167.6
176 60.3 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: VN072743.D

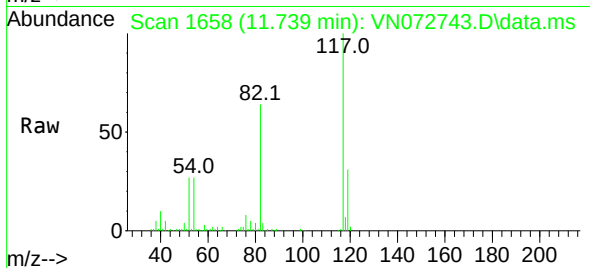
Acq: 09 Jun 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

33RD-AVE-CASING-10



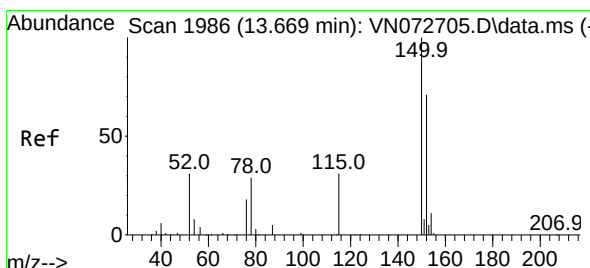
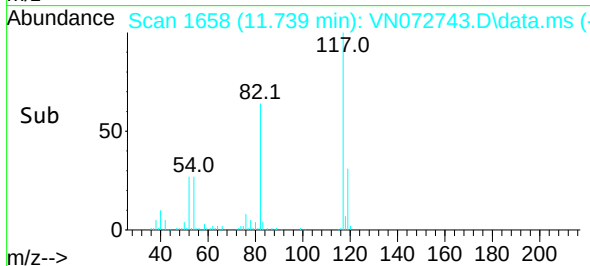
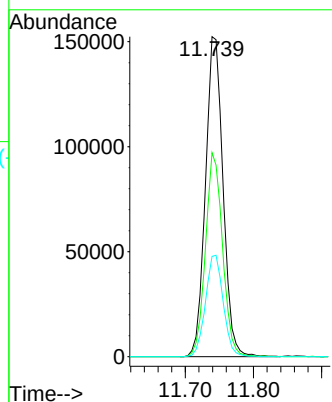
Tgt Ion:117 Resp: 273416

Ion Ratio Lower Upper

117 100

82 63.8 44.2 66.2

119 31.4 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.674 min Scan# 1987

Delta R.T. 0.005 min

Lab File: VN072743.D

Acq: 09 Jun 2022 20:20

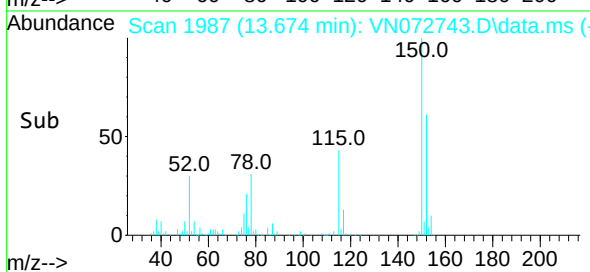
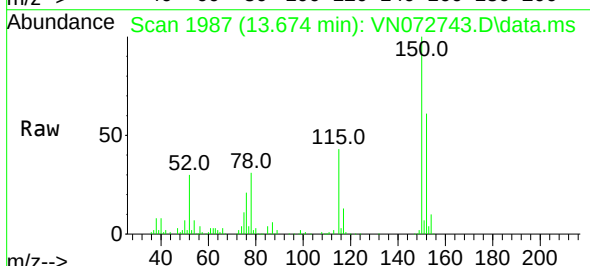
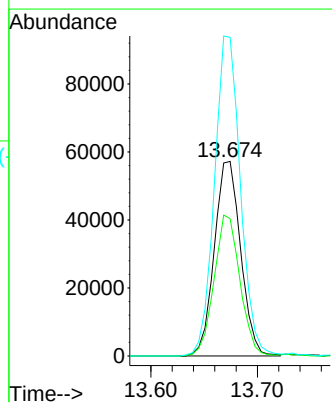
Tgt Ion:152 Resp: 98253

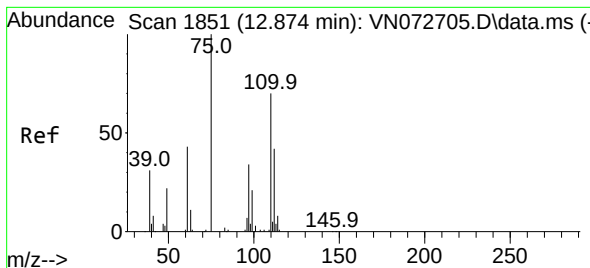
Ion Ratio Lower Upper

152 100

115 70.9 28.9 86.7

150 162.8 0.0 356.2





#76

1,2,3-Trichloropropane

Concen: 37.314 ug/l

RT: 12.727 min Scan# 11

Delta R.T. -0.147 min

Lab File: VN072743.D

Acq: 09 Jun 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

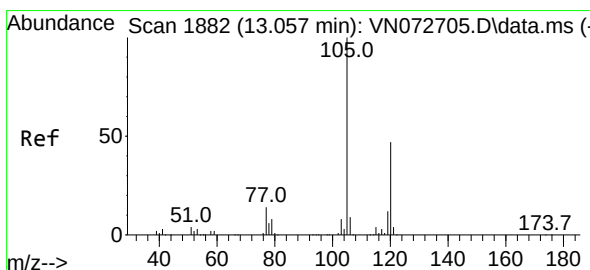
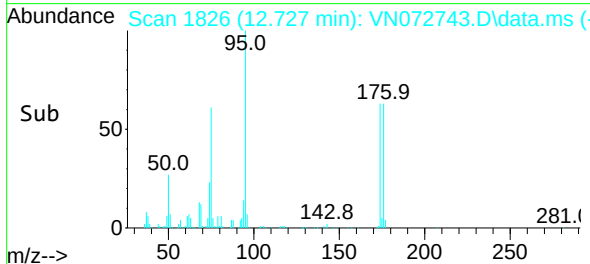
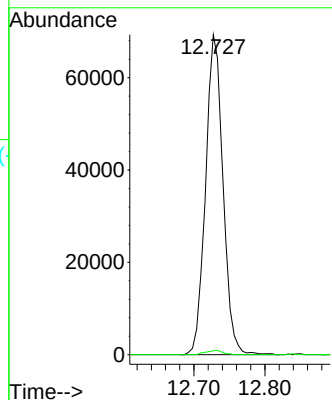
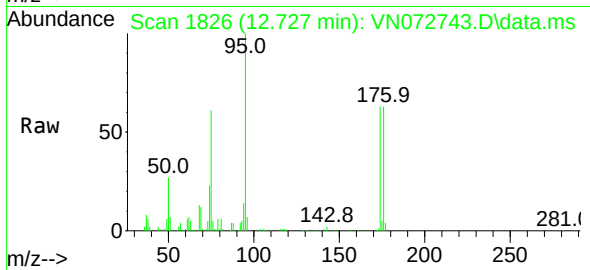
33RD-AVE-CASING-10

Tgt Ion: 75 Resp: 118305

Ion Ratio Lower Upper

75 100

77 1.3 98.5 295.5#



#80

1,3,5-Trimethylbenzene

Concen: 1.682 ug/l

RT: 13.215 min Scan# 1909

Delta R.T. 0.158 min

Lab File: VN072743.D

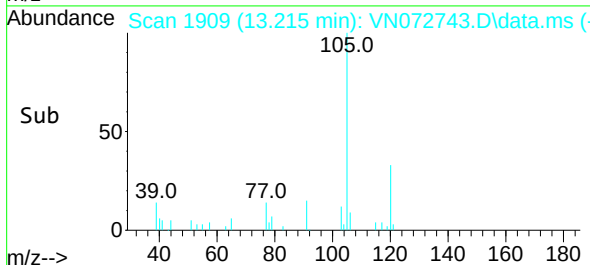
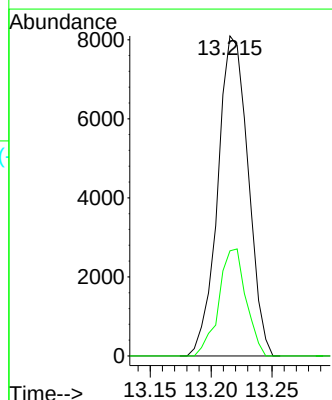
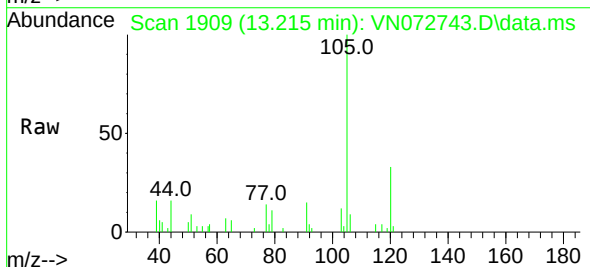
Acq: 09 Jun 2022 20:20

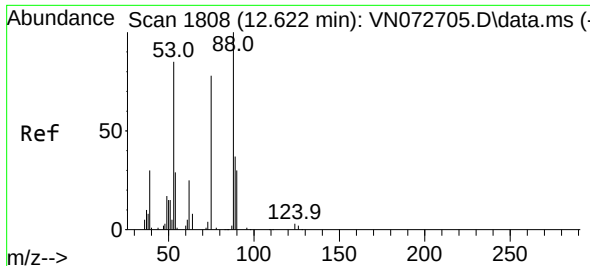
Tgt Ion:105 Resp: 14047

Ion Ratio Lower Upper

105 100

120 29.9 24.9 74.7

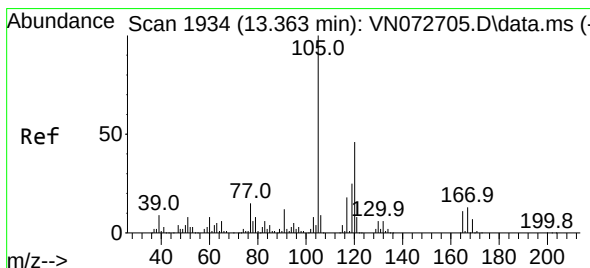
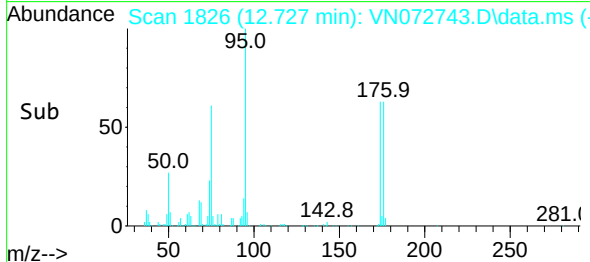
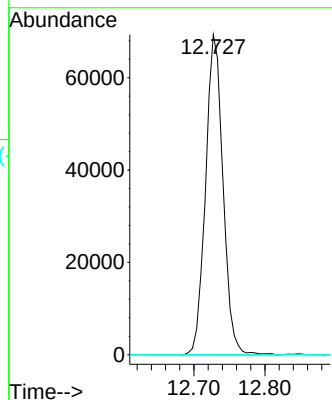
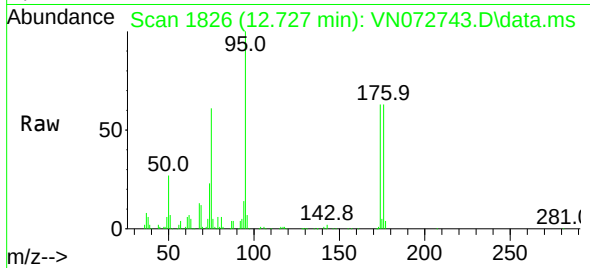




#81
trans-1,4-Dichloro-2-butene
Concen: 97.585 ug/l
RT: 12.727 min Scan# 118305
Delta R.T. 0.105 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

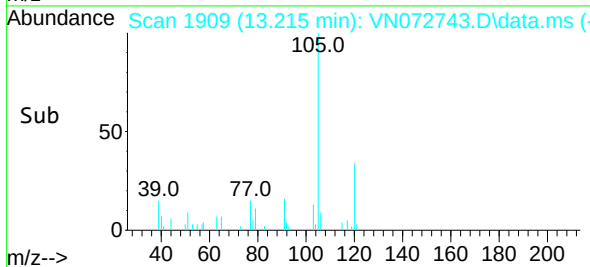
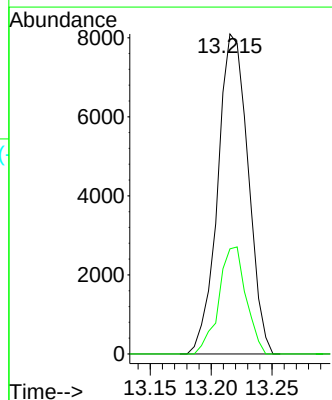
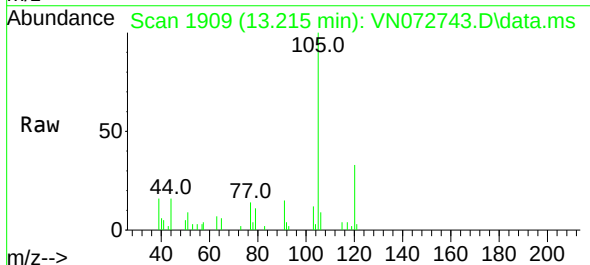
Instrument :
MSVOA_N
ClientSampleId :
33RD-AVE-CASING-10

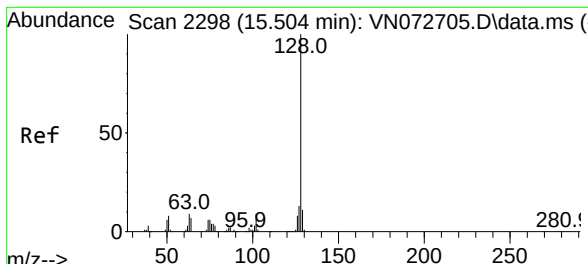
Tgt Ion: 75 Resp: 118305
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 1.758 ug/l
RT: 13.215 min Scan# 1909
Delta R.T. -0.148 min
Lab File: VN072743.D
Acq: 09 Jun 2022 20:20

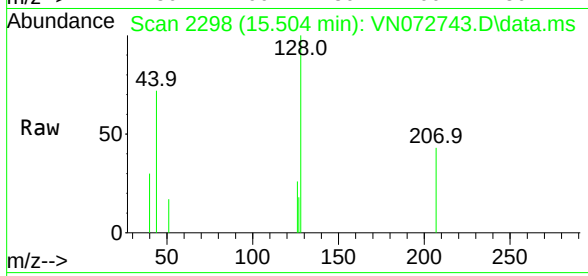
Tgt Ion: 105 Resp: 14047
Ion Ratio Lower Upper
105 100
120 29.9 23.3 69.8





#95
 Naphthalene
 Concen: 0.297 ug/l
 RT: 15.504 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN072743.D
 Acq: 09 Jun 2022 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 33RD-AVE-CASING-10



Tgt Ion:	128	Resp:	1915
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.3	15.5
129	3.9	8.6	13.0

