

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
 Data File : VN072722.D
 Acq On : 09 Jun 2022 10:38
 Operator : JC\MD
 Sample : VN0609WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBL01

Quant Time: Jun 09 15:47:23 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)

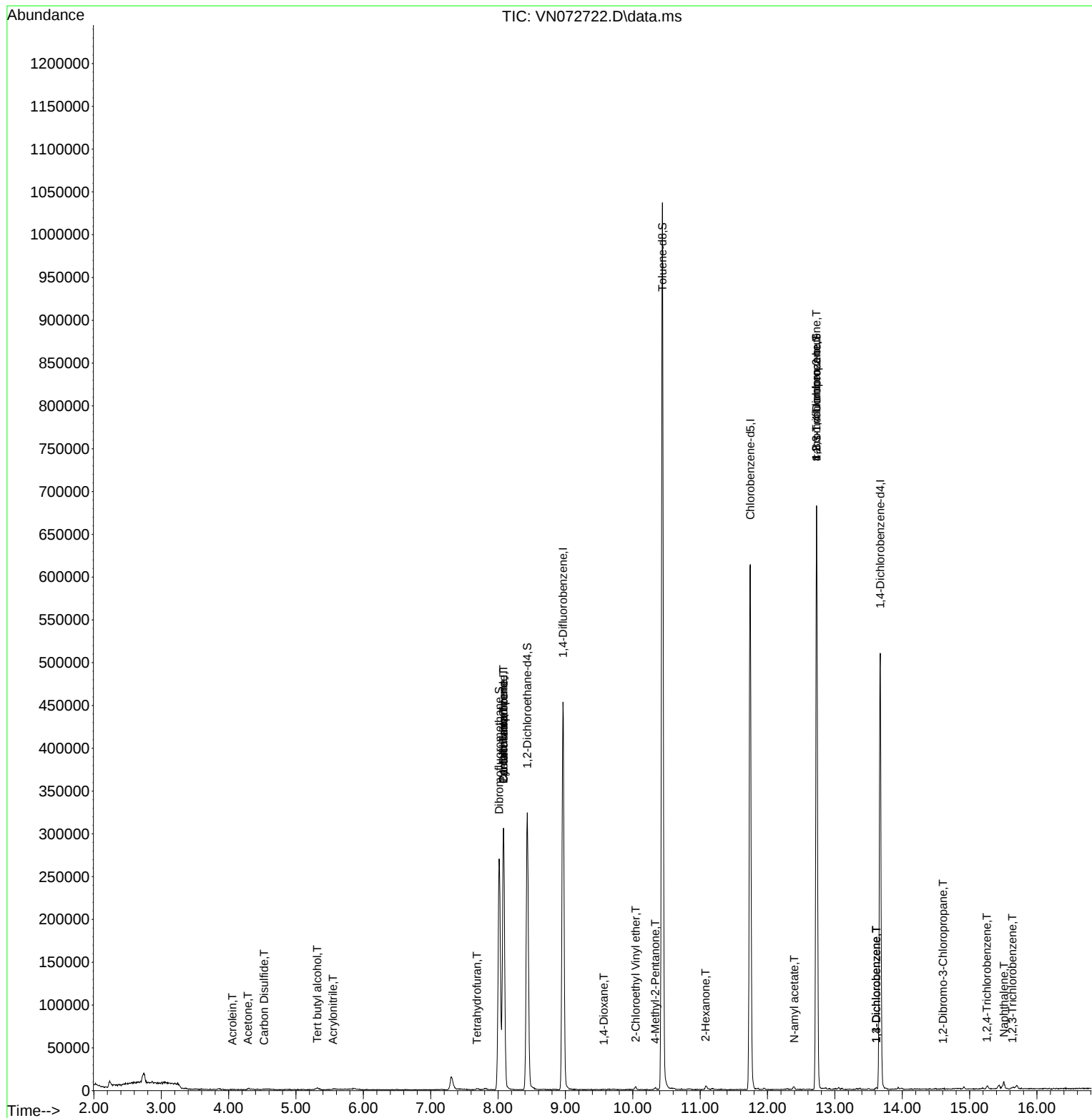
Internal Standards						
1) Pentafluorobenzene	8.080	168	199243	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	369715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	333785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	123336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	273108	51.072	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 102.140%		
35) Dibromofluoromethane	8.016	113	193815	52.980	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 105.960%		
50) Toluene-d8	10.439	98	672017	46.042	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 92.080%		
62) 4-Bromofluorobenzene	12.727	95	233623	46.645	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 93.300%		
Target Compounds						Qvalue
5) Bromomethane	2.869	94	531	Below Cal		86
6) Chloroethane	2.993	64	300	Below Cal	#	42
11) Tert butyl alcohol	5.316	59	1894	1.485	ug/l #	72
13) Acrolein	4.057	56	225	0.427	ug/l	97
15) Acrylonitrile	5.551	53	599	0.222	ug/l #	78
16) Acetone	4.287	43	2144	0.837	ug/l #	42
17) Carbon Disulfide	4.528	76	770	0.398	ug/l #	75
20) Methylene Chloride	5.092	84	155	Below Cal	#	47
29) Tetrahydrofuran	7.686	42	921	0.362	ug/l #	49
31) Cyclohexane	8.080	56	6652	0.471	ug/l #	35
36) 1,1-Dichloropropene	8.080	75	21616	4.257	ug/l #	48
38) Carbon Tetrachloride	8.080	117	25055	4.617	ug/l #	15
49) 1,4-Dioxane	9.569	88	64	0.602	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	1945	0.243	ug/l	88
58) 2-Chloroethyl Vinyl ether	10.045	63	1400	0.478	ug/l	90
59) 2-Hexanone	11.080	43	4344	0.738	ug/l	74
74) N-amyl acetate	12.398	43	2729	0.444	ug/l #	79
76) 1,2,3-Trichloropropane	12.727	75	140732	35.360	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	140732	92.476	ug/l #	10
87) 1,3-Dichlorobenzene	13.615	146	965	0.218	ug/l	80
88) 1,4-Dichlorobenzene	13.615	146	965	0.222	ug/l	81
92) 1,2-Dibromo-3-Chloropr...	14.604	75	328	0.296	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.256	180	1599	0.766	ug/l	93
95) Naphthalene	15.509	128	9052	1.117	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.633	180	617	0.297	ug/l	73

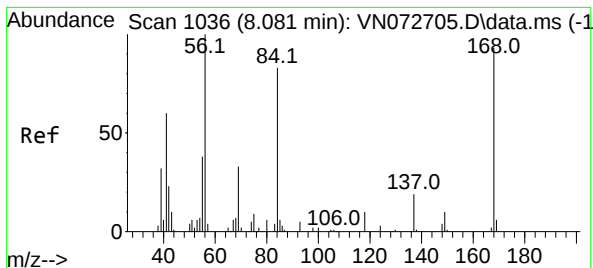
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
Data File : VN072722.D
Acq On : 09 Jun 2022 10:38
Operator : JC\MD
Sample : VN0609WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Quant Time: Jun 09 15:47:23 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

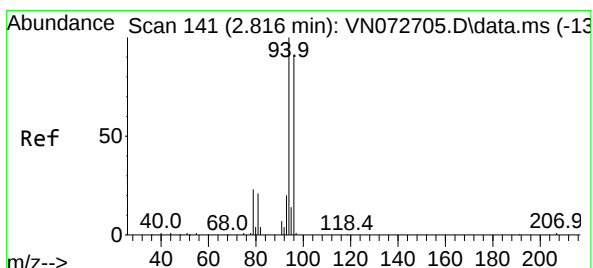
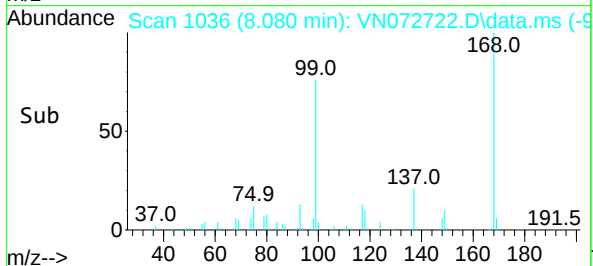
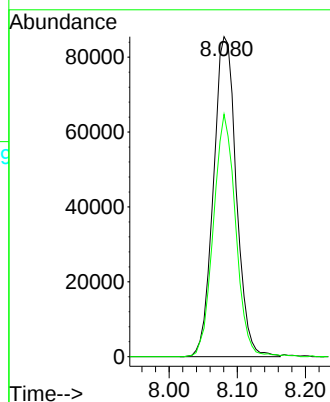
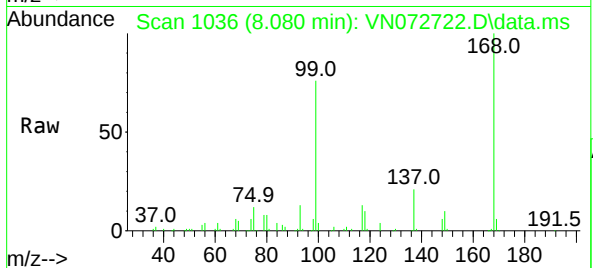




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

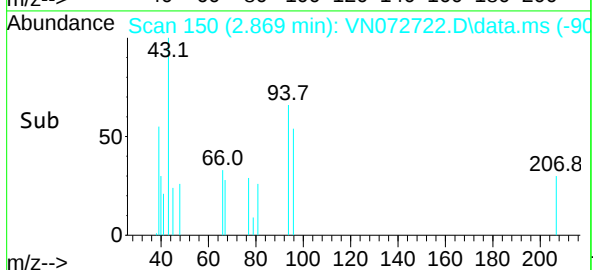
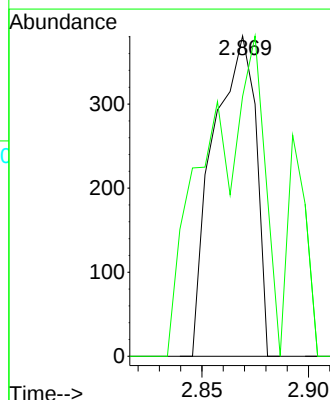
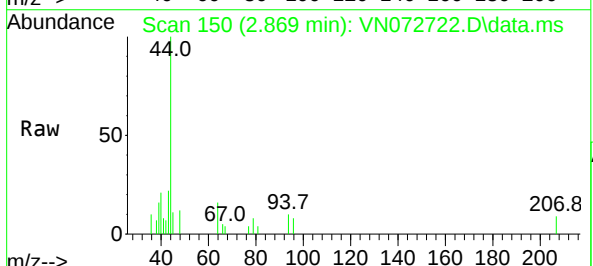
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

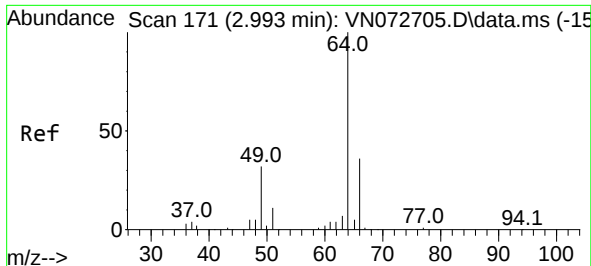
Tgt Ion:168 Resp: 199243
Ion Ratio Lower Upper
168 100
99 75.8 42.3 63.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.869 min Scan# 150
Delta R.T. 0.053 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

Tgt Ion: 94 Resp: 531
Ion Ratio Lower Upper
94 100
96 81.1 76.0 114.0

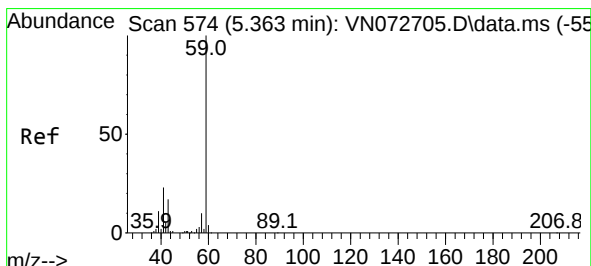
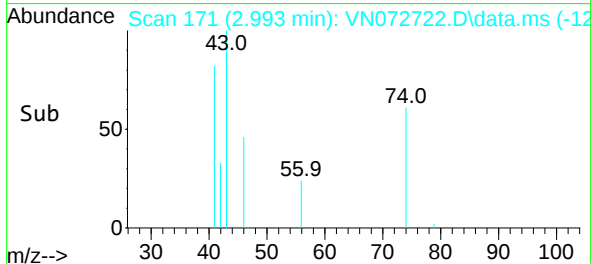
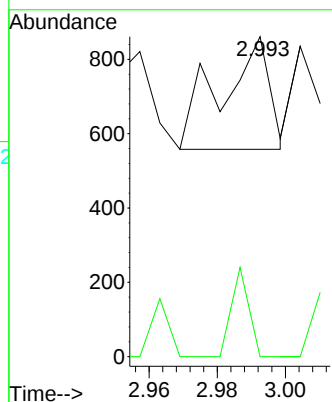
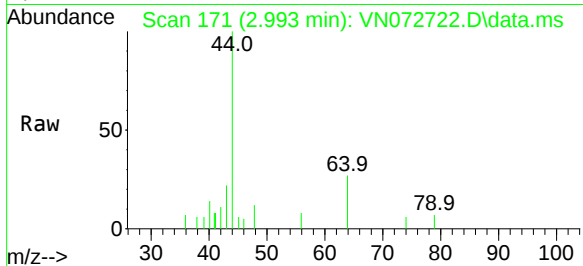




#6
Chloroethane
Concen: Below Cal
RT: 2.993 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

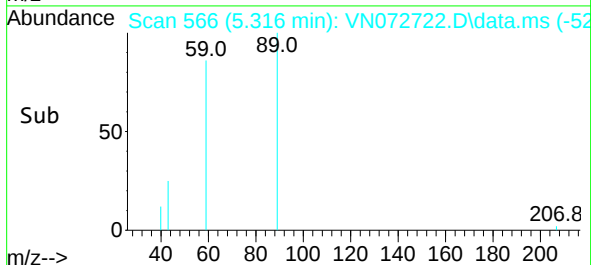
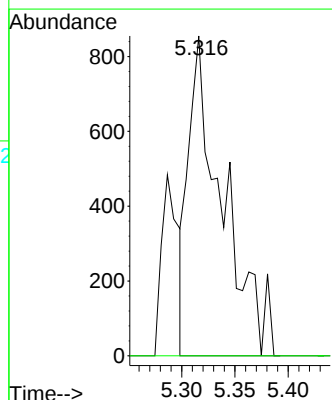
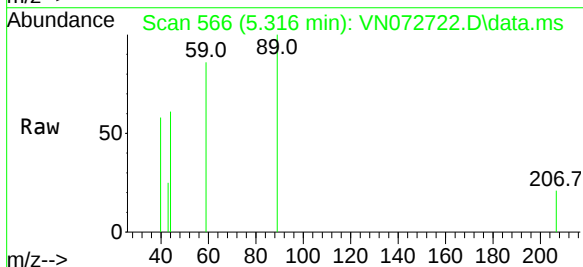
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

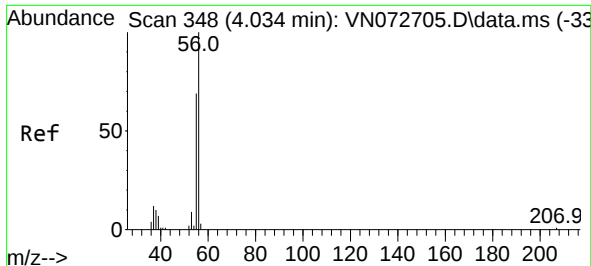
Tgt Ion: 64 Resp: 300
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 1.485 ug/l
RT: 5.316 min Scan# 566
Delta R.T. -0.047 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

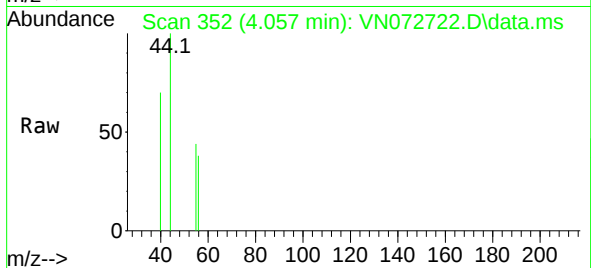
Tgt Ion: 59 Resp: 1894
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



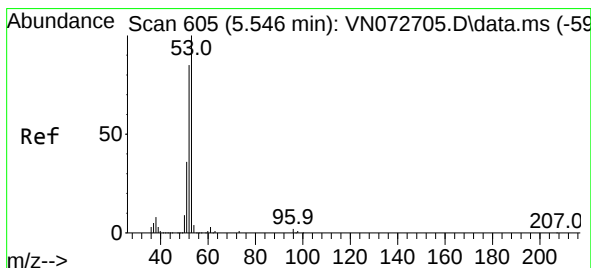
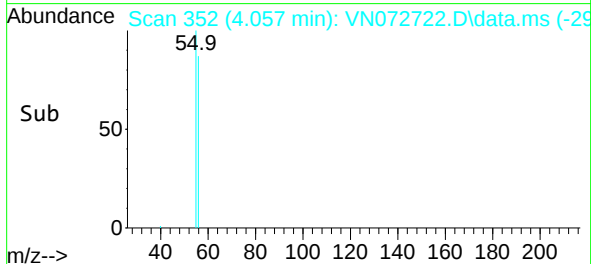
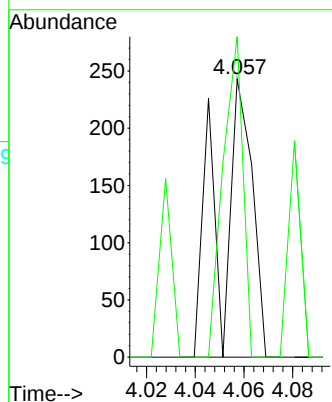


#13
Acrolein
Concen: 0.427 ug/l
RT: 4.057 min Scan# 31
Delta R.T. 0.023 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

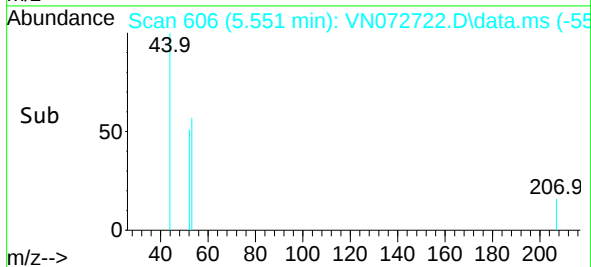
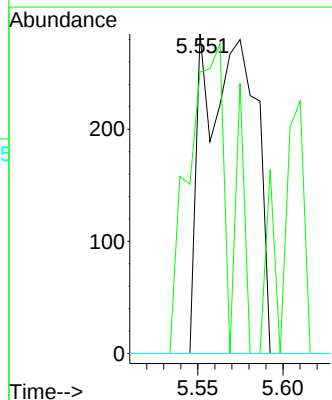
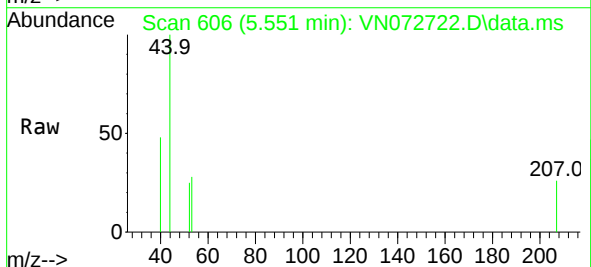


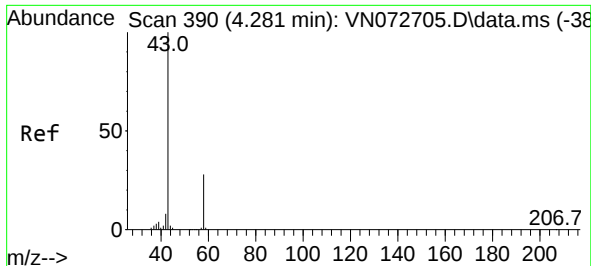
Tgt Ion: 56 Resp: 225
Ion Ratio Lower Upper
56 100
55 70.7 54.8 82.2



#15
Acrylonitrile
Concen: 0.222 ug/l
RT: 5.551 min Scan# 606
Delta R.T. 0.005 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

Tgt Ion: 53 Resp: 599
Ion Ratio Lower Upper
53 100
52 78.5 66.4 99.6
51 0.0 28.5 42.7#

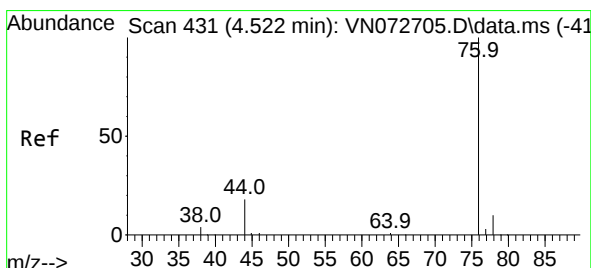
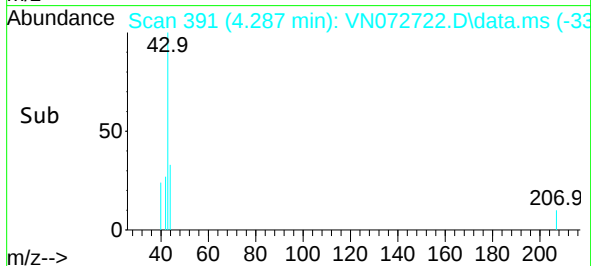
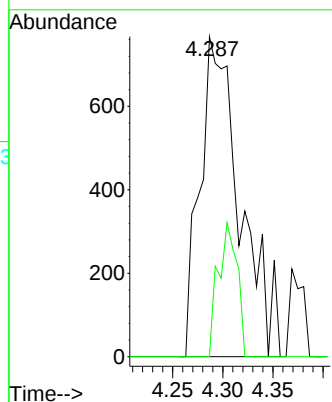
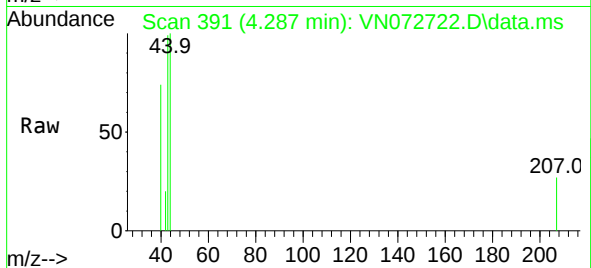




#16
Acetone
Concen: 0.837 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

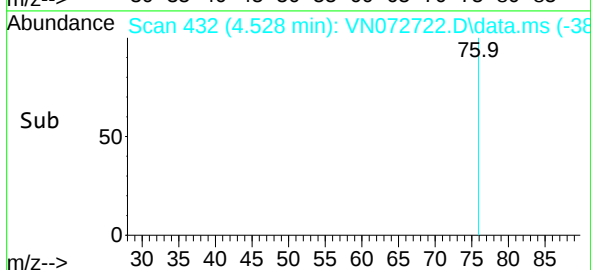
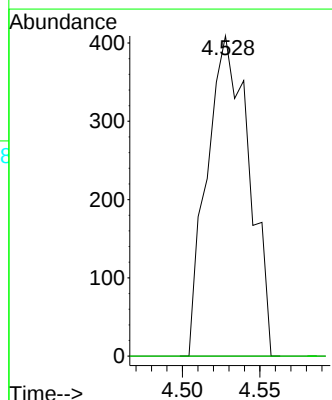
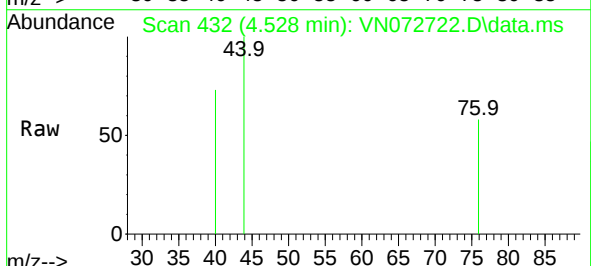
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

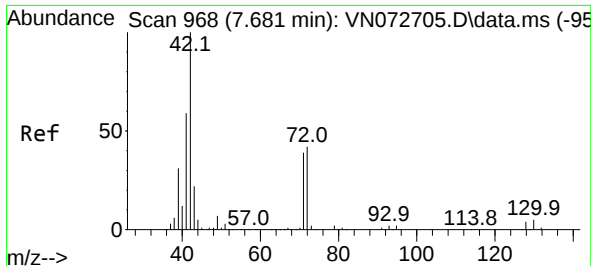
Tgt Ion: 43 Resp: 2144
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#17
Carbon Disulfide
Concen: 0.398 ug/l
RT: 4.528 min Scan# 432
Delta R.T. 0.006 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

Tgt Ion: 76 Resp: 770
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#29

Tetrahydrofuran

Concen: 0.362 ug/l

RT: 7.686 min Scan# 91

Delta R.T. 0.005 min

Lab File: VN072722.D

Acq: 09 Jun 2022 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBL01

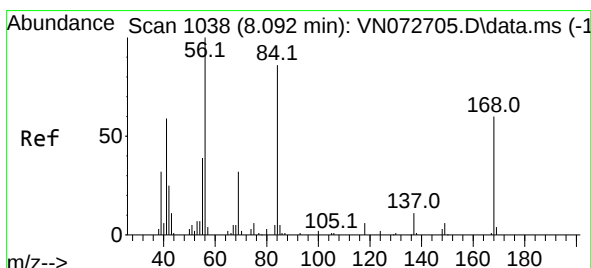
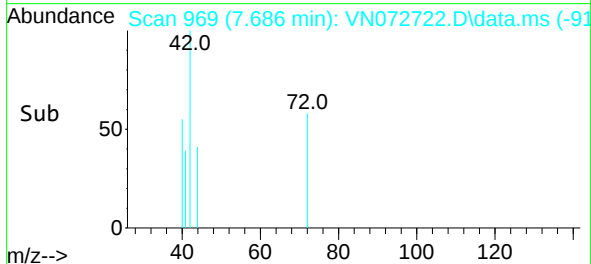
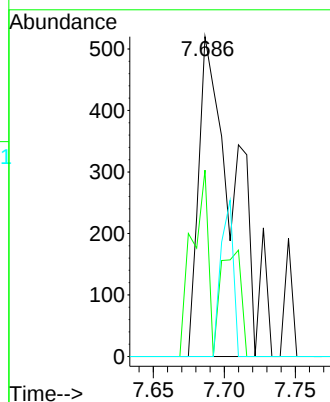
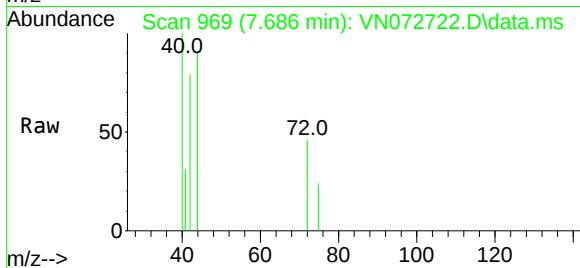
Tgt Ion: 42 Resp: 921

Ion Ratio Lower Upper

42 100

72 26.1 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 0.471 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN072722.D

Acq: 09 Jun 2022 10:38

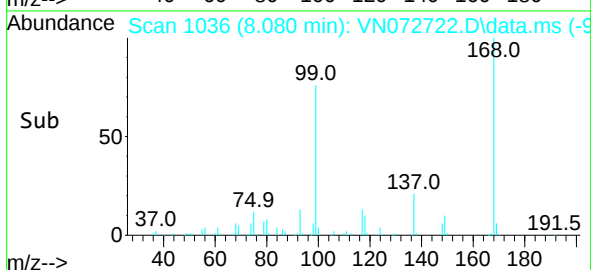
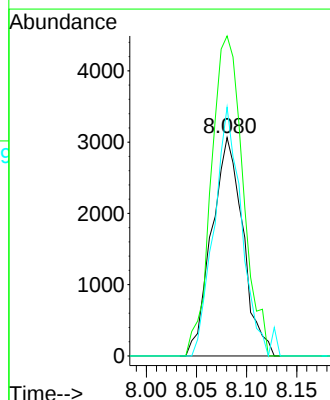
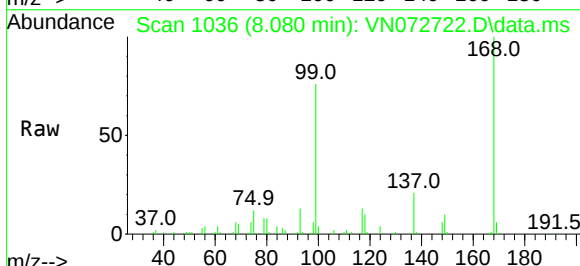
Tgt Ion: 56 Resp: 6652

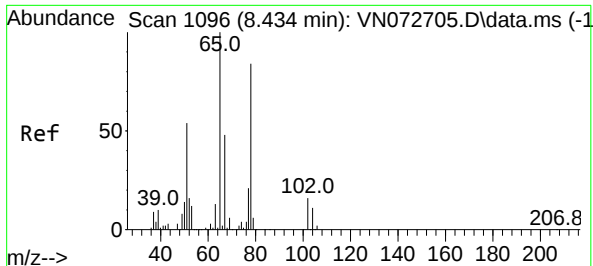
Ion Ratio Lower Upper

56 100

69 146.5 27.8 41.8#

84 113.9 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 51.072 ug/l

RT: 8.433 min Scan# 1109

Delta R.T. -0.001 min

Lab File: VN072722.D

Acq: 09 Jun 2022 10:38

Instrument :

MSVOA_N

ClientSampleId :

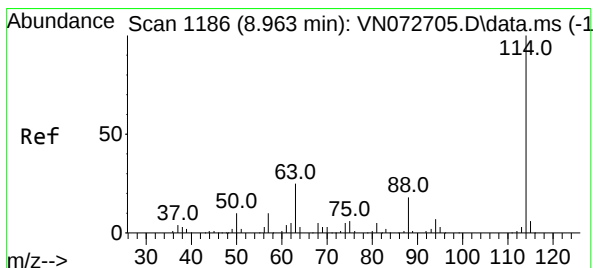
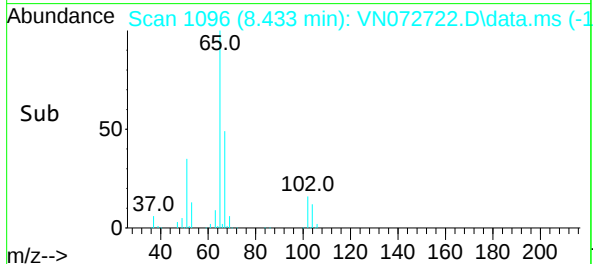
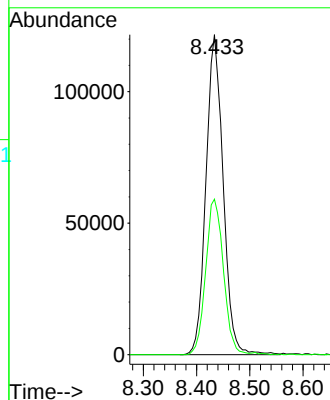
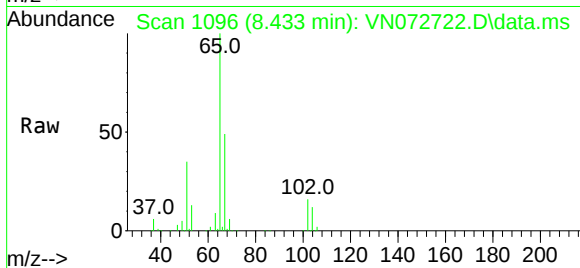
VN0609WBL01

Tgt Ion: 65 Resp: 273108

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: VN072722.D

Acq: 09 Jun 2022 10:38

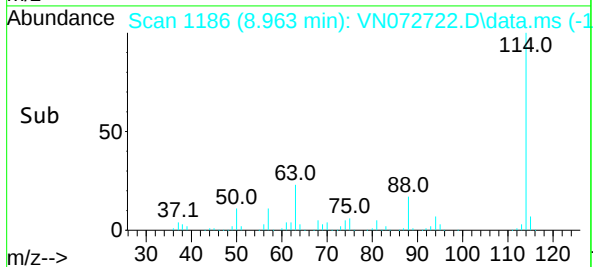
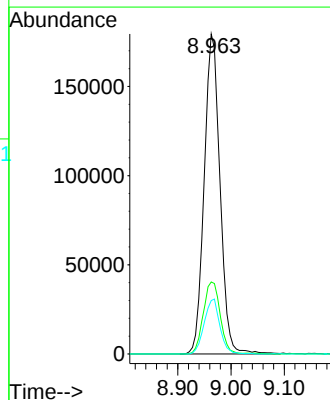
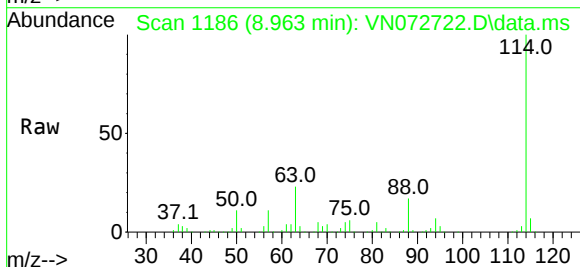
Tgt Ion: 114 Resp: 369715

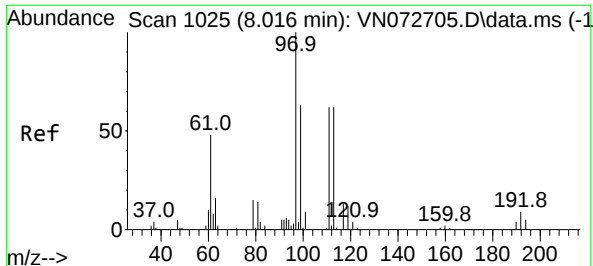
Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.0

88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.980 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN072722.D

Acq: 09 Jun 2022 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBL01

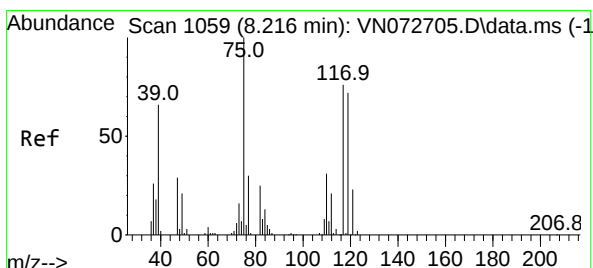
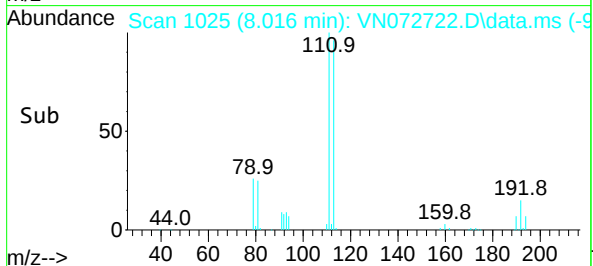
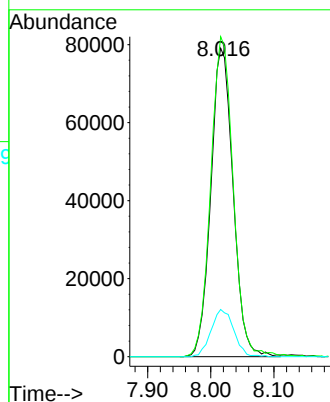
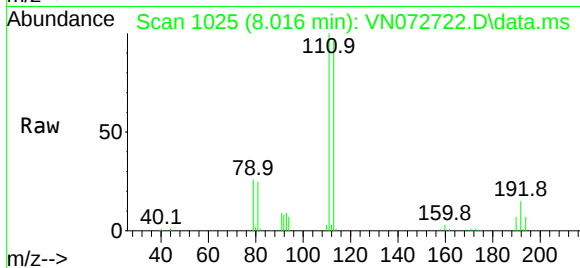
Tgt Ion:113 Resp: 193815

Ion Ratio Lower Upper

113 100

111 104.7 81.4 122.0

192 15.6 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 4.257 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.136 min

Lab File: VN072722.D

Acq: 09 Jun 2022 10:38

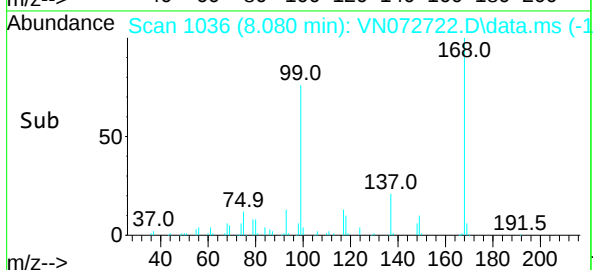
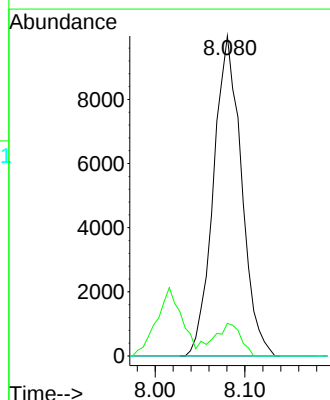
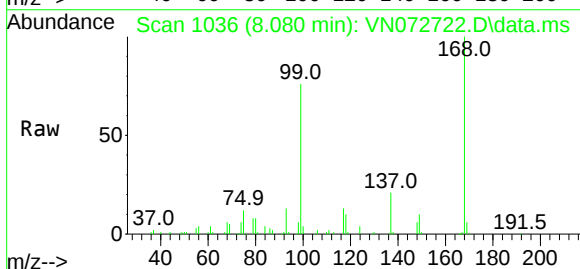
Tgt Ion: 75 Resp: 21616

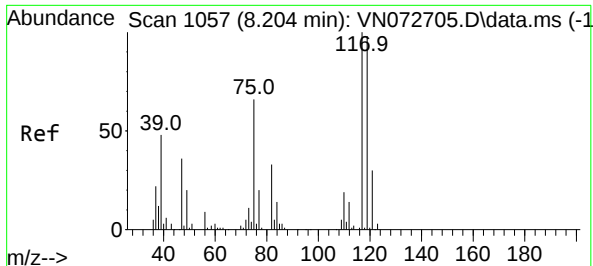
Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

77 0.0 25.1 37.7#

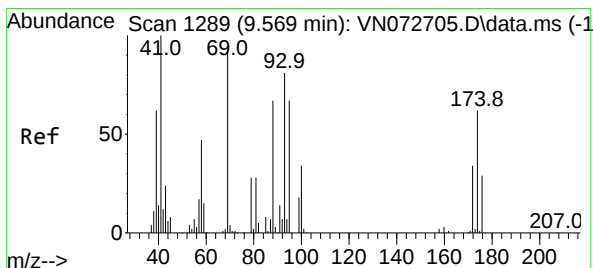
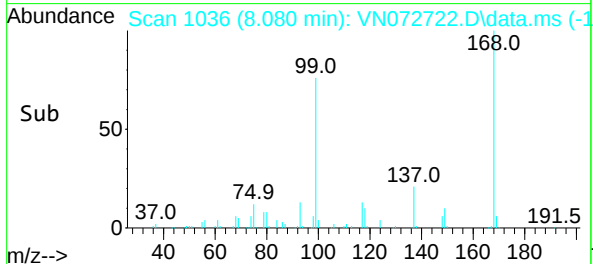
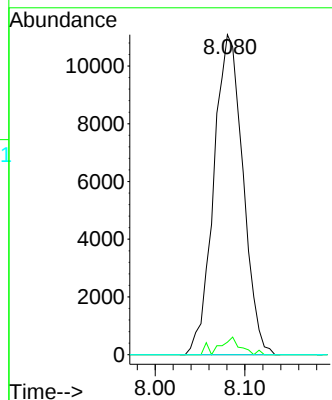
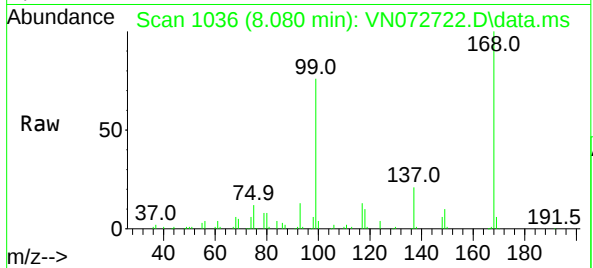




#38
Carbon Tetrachloride
Concen: 4.617 ug/l
RT: 8.080 min Scan# 1057
Delta R.T. -0.124 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

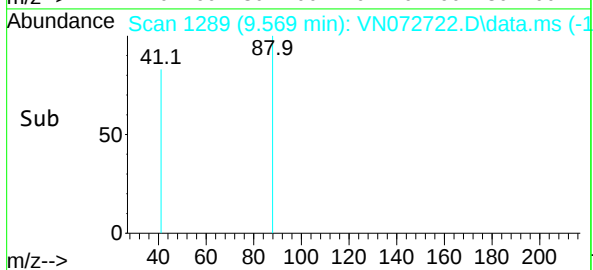
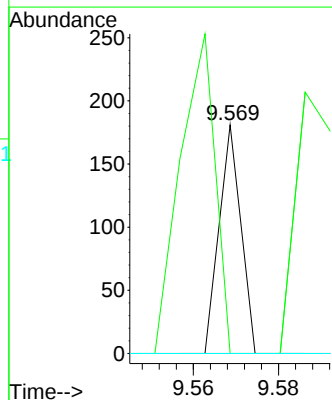
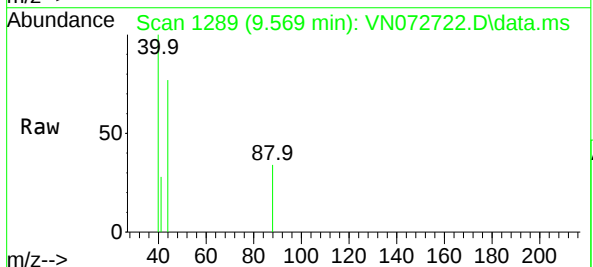
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

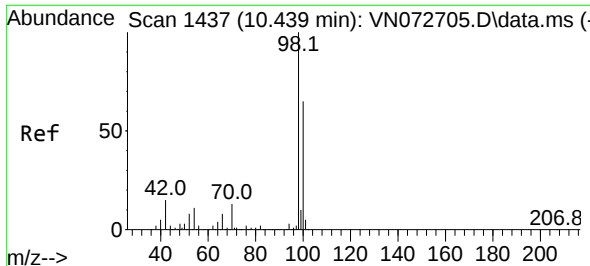
Tgt Ion:117 Resp: 25055
Ion Ratio Lower Upper
117 100
119 3.9 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.602 ug/l
RT: 9.569 min Scan# 1289
Delta R.T. -0.000 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 225.0 20.2 30.4#
58 0.0 54.2 81.4#

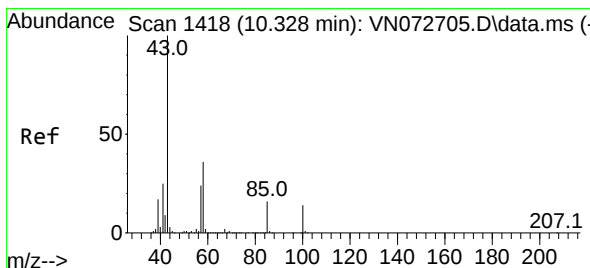
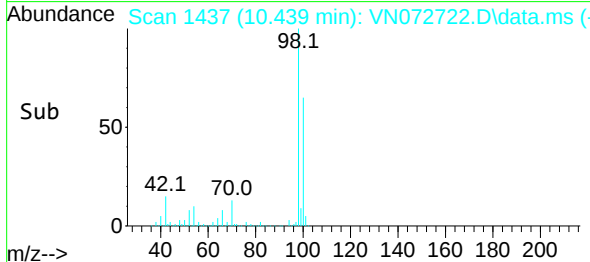
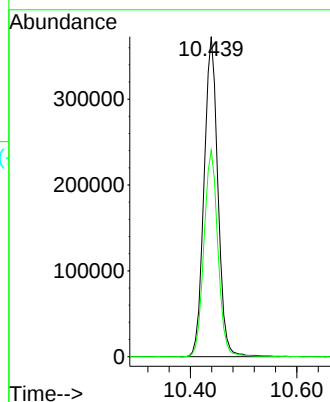
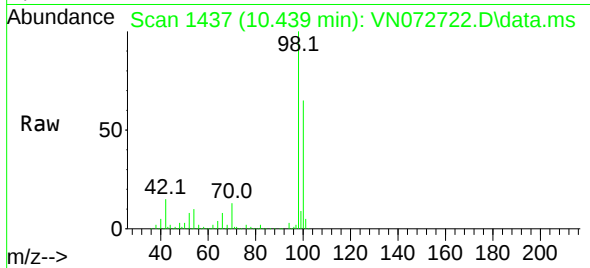




#50
Toluene-d8
Concen: 46.042 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

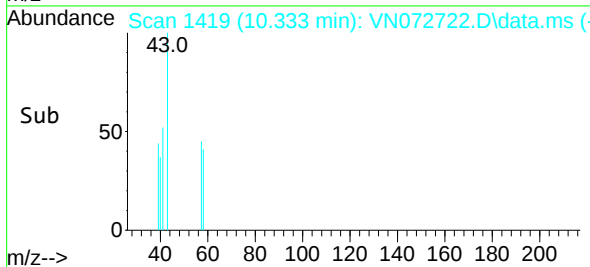
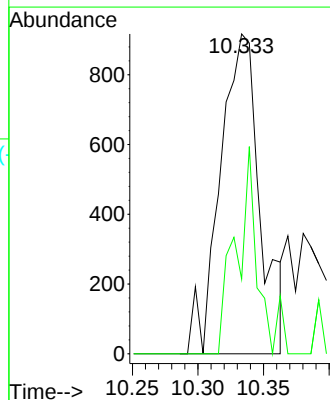
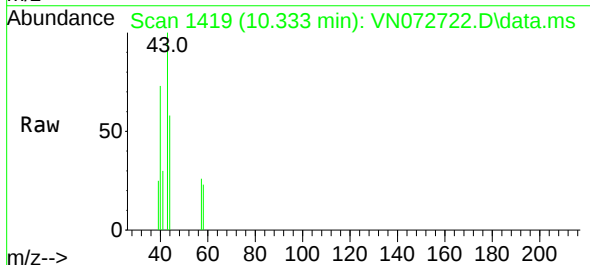
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

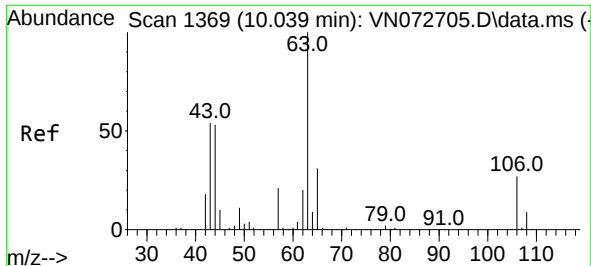
Tgt Ion: 98 Resp: 672017
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.243 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.005 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

Tgt Ion: 43 Resp: 1945
Ion Ratio Lower Upper
43 100
58 35.2 34.1 51.1

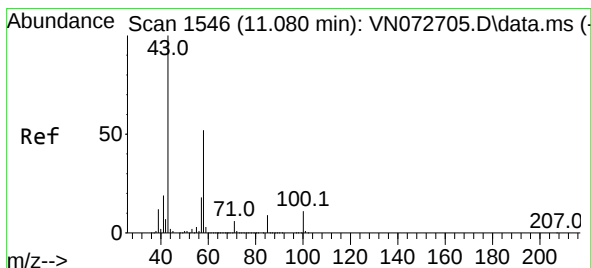
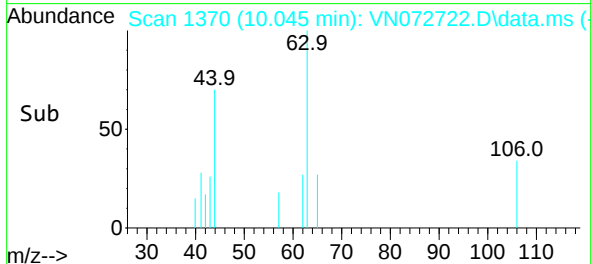
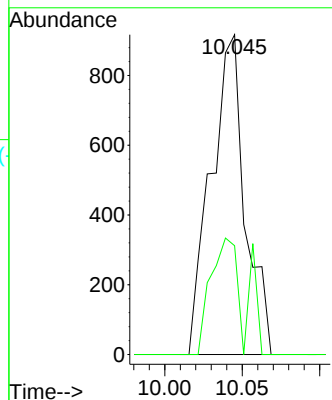
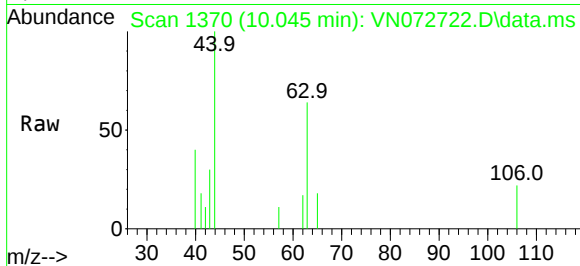




#58
2-Chloroethyl Vinyl ether
Concen: 0.478 ug/l
RT: 10.045 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

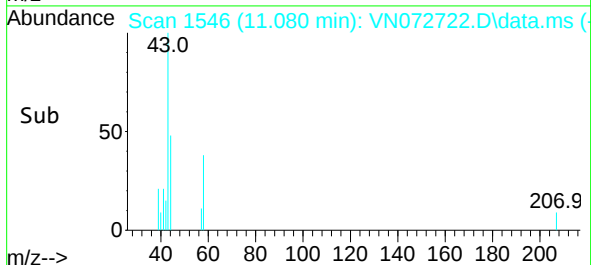
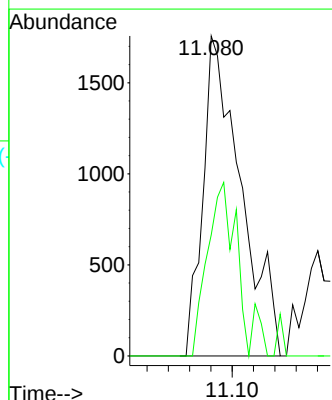
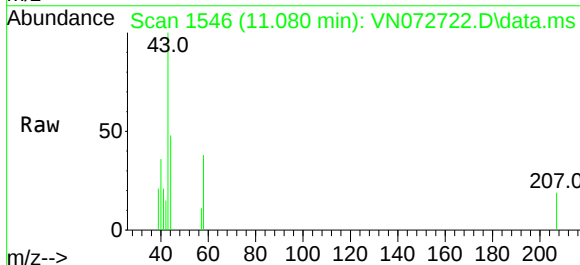
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

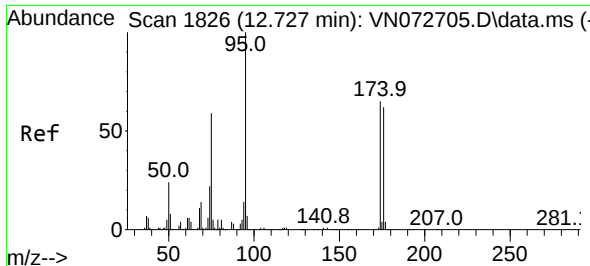
Tgt Ion: 63 Resp: 1400
Ion Ratio Lower Upper
63 100
106 35.9 24.6 36.8



#59
2-Hexanone
Concen: 0.738 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. 0.000 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

Tgt Ion: 43 Resp: 4344
Ion Ratio Lower Upper
43 100
58 40.0 29.7 89.1

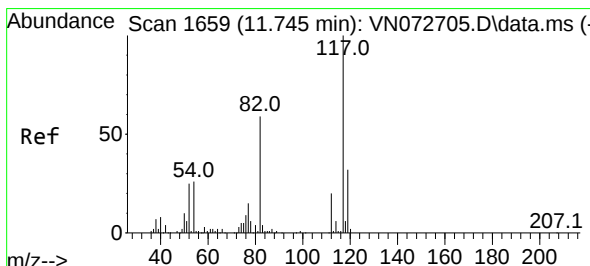
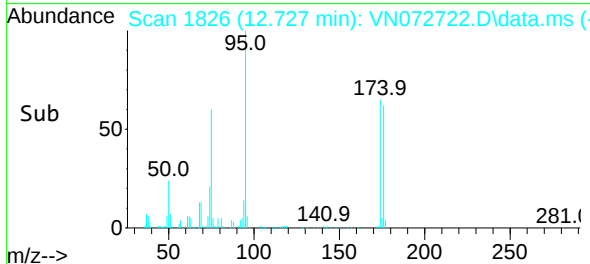
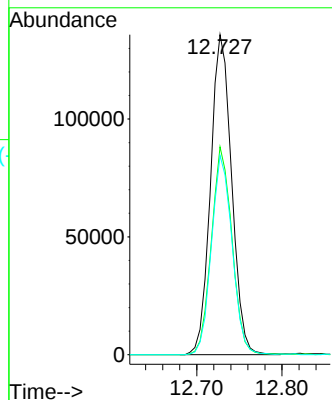
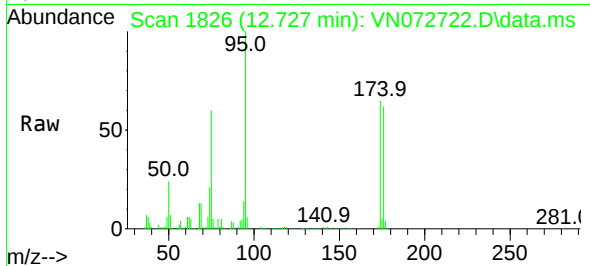




#62
4-Bromofluorobenzene
Concen: 46.645 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

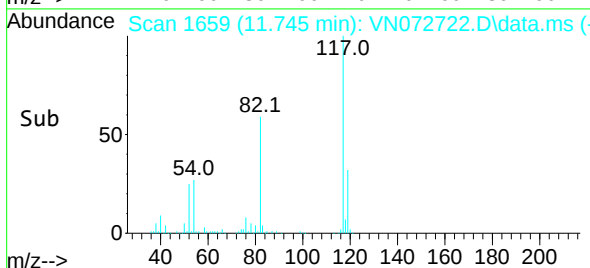
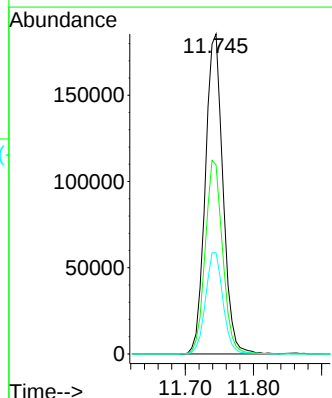
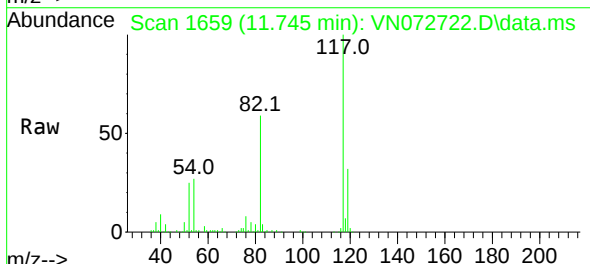
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

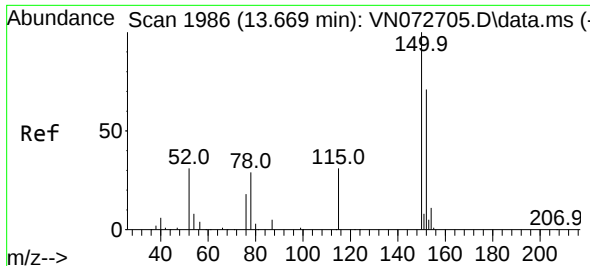
Tgt Ion: 95 Resp: 233623
Ion Ratio Lower Upper
95 100
174 63.6 0.0 167.6
176 61.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. -0.000 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

Tgt Ion: 117 Resp: 333785
Ion Ratio Lower Upper
117 100
82 59.1 44.2 66.2
119 31.6 25.4 38.0

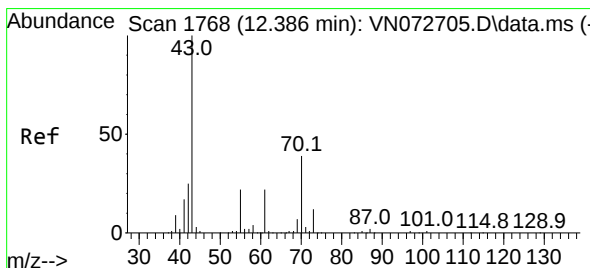
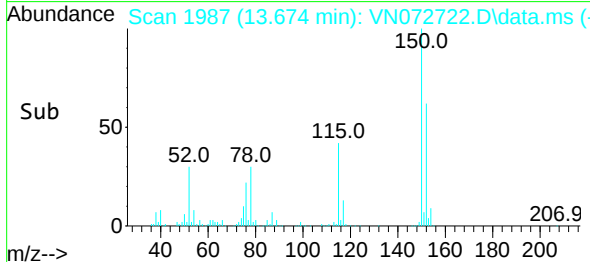
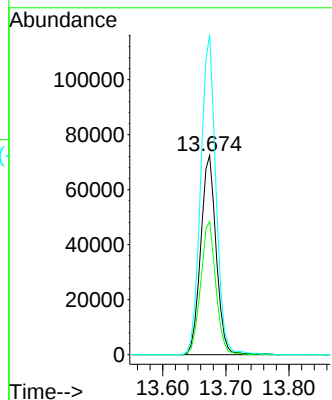
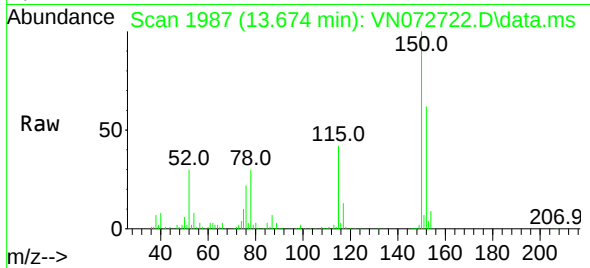




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.005 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

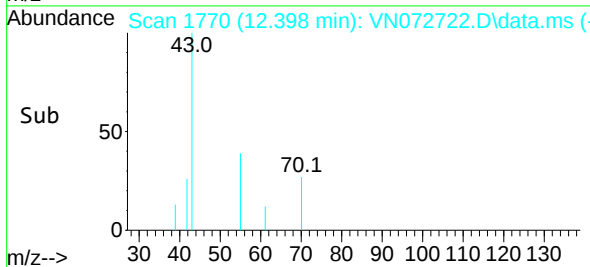
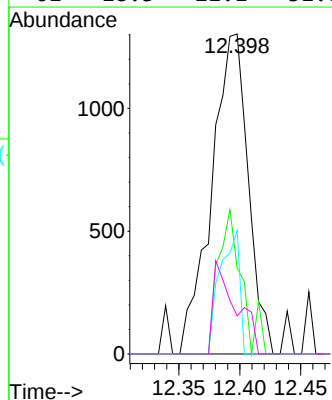
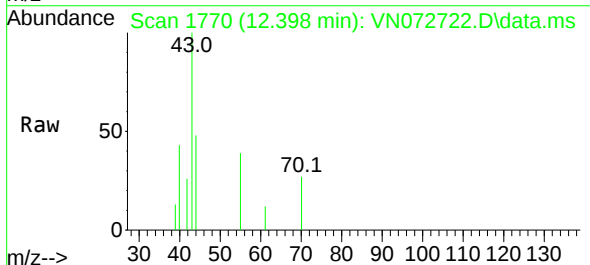
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

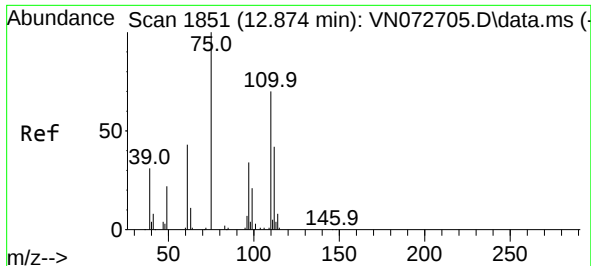
Tgt Ion:152 Resp: 123336
Ion Ratio Lower Upper
152 100
115 65.5 28.9 86.7
150 157.9 0.0 356.2



#74
N-ethyl acetate
Concen: 0.444 ug/l
RT: 12.398 min Scan# 1770
Delta R.T. 0.012 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

Tgt Ion: 43 Resp: 2729
Ion Ratio Lower Upper
43 100
70 29.0 39.0 58.4#
55 20.5 21.1 31.7#
61 18.3 21.1 31.7#

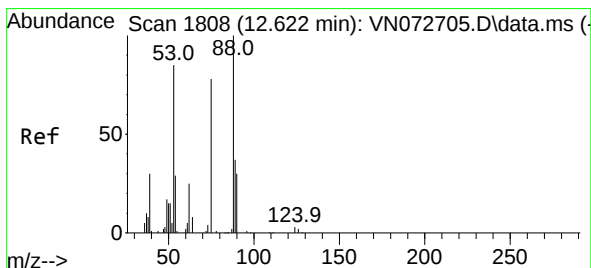
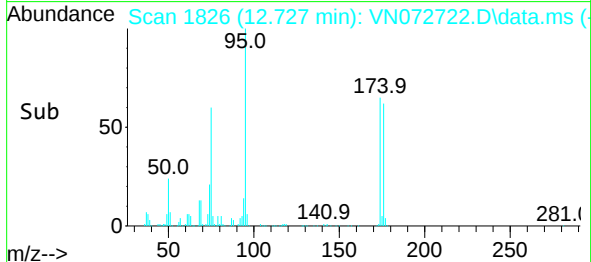
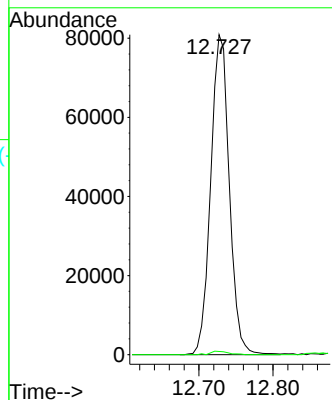
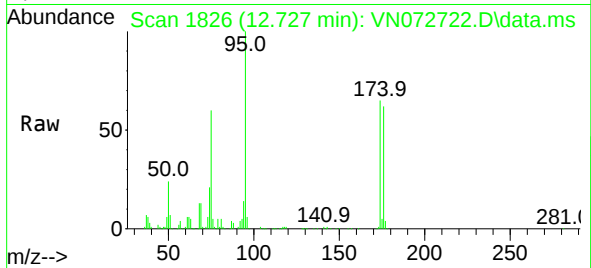




#76
1,2,3-Trichloropropane
Concen: 35.360 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

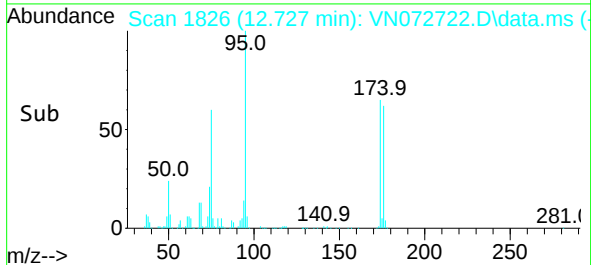
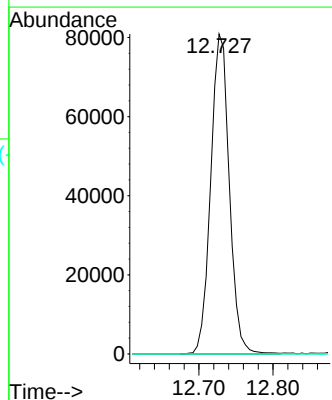
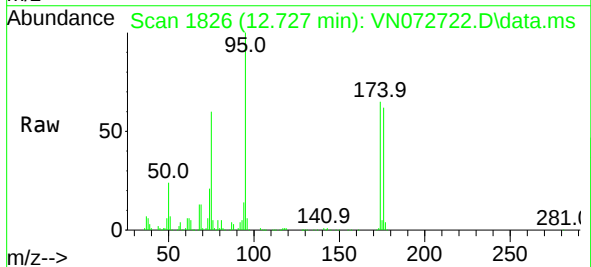
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

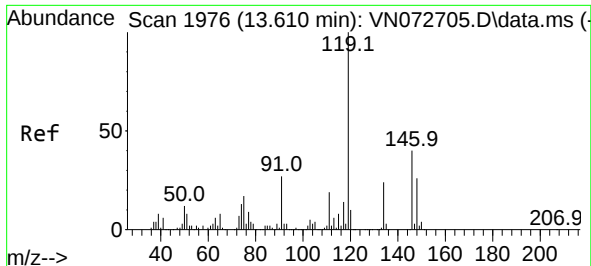
Tgt Ion: 75 Resp: 140732
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.476 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

Tgt Ion: 75 Resp: 140732
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

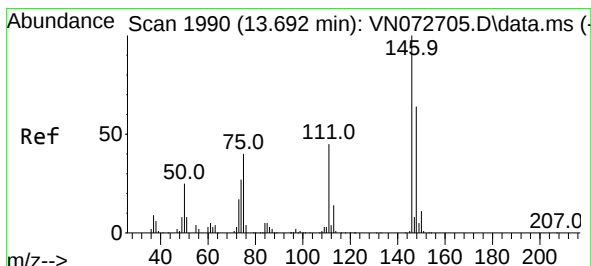
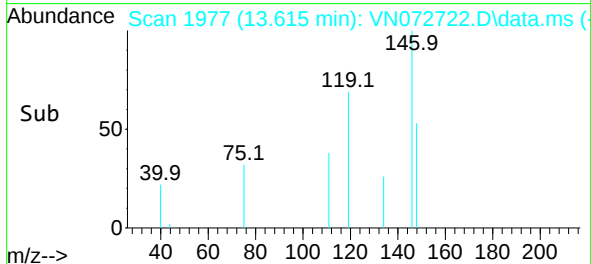
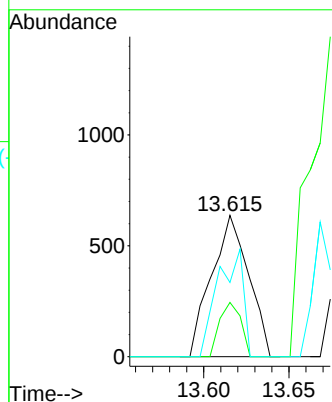
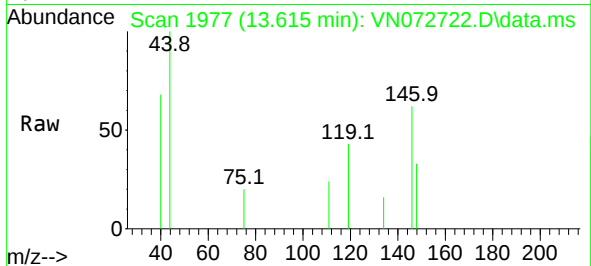




#87
1,3-Dichlorobenzene
Concen: 0.218 ug/l
RT: 13.615 min Scan# 1976
Delta R.T. 0.005 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

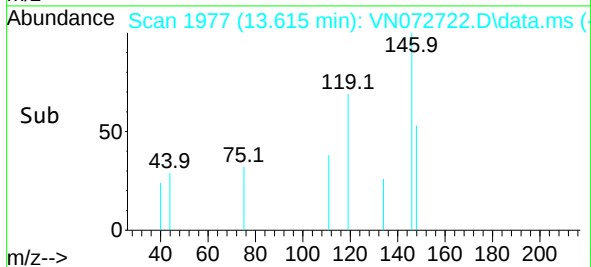
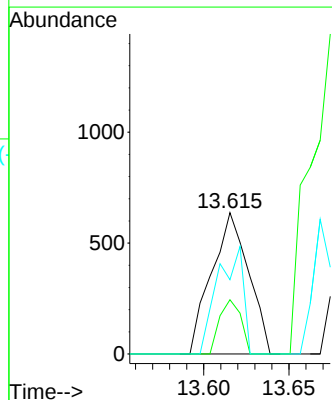
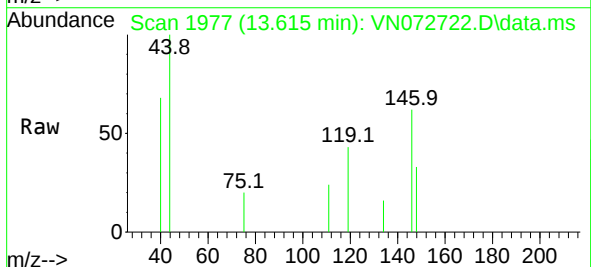
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

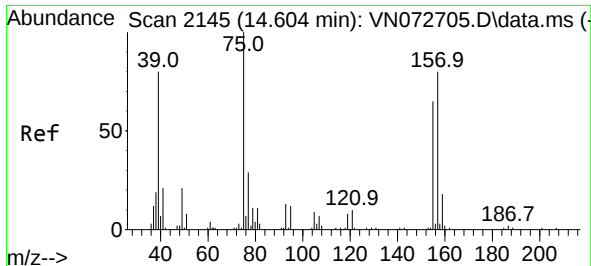
Tgt Ion:146 Resp: 965
Ion Ratio Lower Upper
146 100
111 22.0 20.0 60.0
148 52.3 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.222 ug/l
RT: 13.615 min Scan# 1977
Delta R.T. -0.077 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

Tgt Ion:146 Resp: 965
Ion Ratio Lower Upper
146 100
111 22.0 19.1 57.1
148 52.3 31.4 94.3

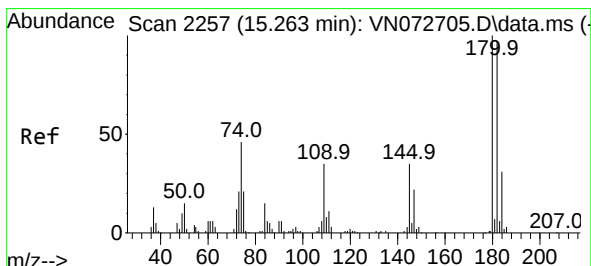
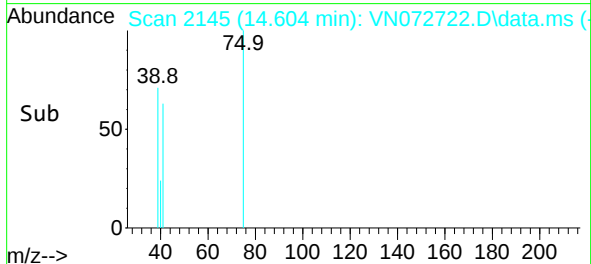
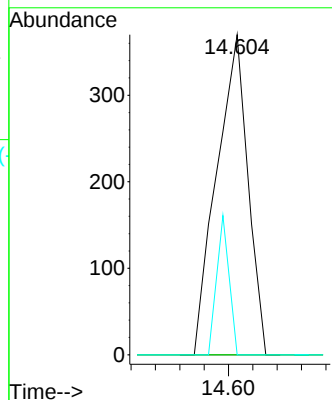
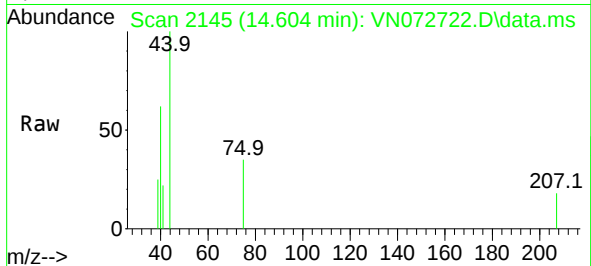




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.296 ug/l
RT: 14.604 min Scan# 2145
Delta R.T. -0.000 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

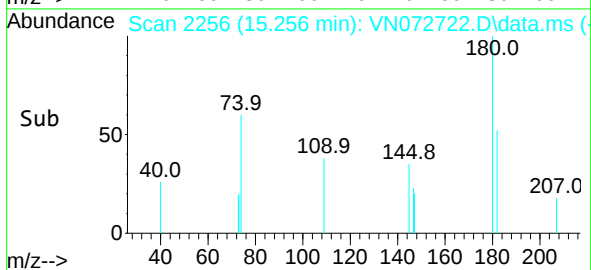
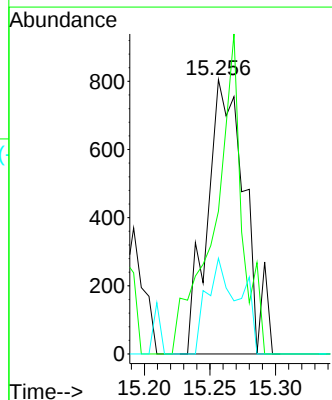
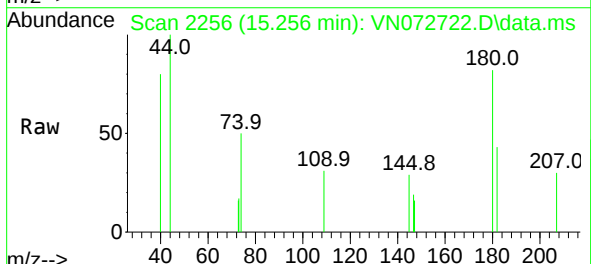
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

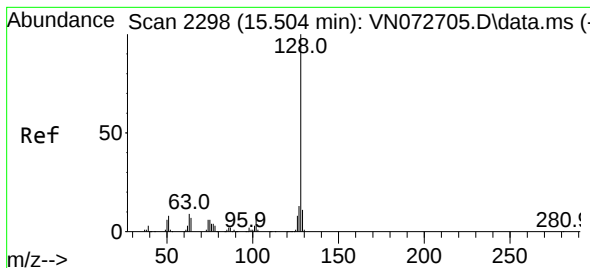
Tgt Ion: 75 Resp: 328
Ion Ratio Lower Upper
75 100
155 0.0 44.9 134.5#
157 17.4 59.0 176.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.766 ug/l
RT: 15.256 min Scan# 2256
Delta R.T. -0.007 min
Lab File: VN072722.D
Acq: 09 Jun 2022 10:38

Tgt Ion: 180 Resp: 1599
Ion Ratio Lower Upper
180 100
182 86.9 47.5 142.5
145 30.4 14.5 43.5





#95

Naphthalene

Concen: 1.117 ug/l

RT: 15.509 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN072722.D

Acq: 09 Jun 2022 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBL01

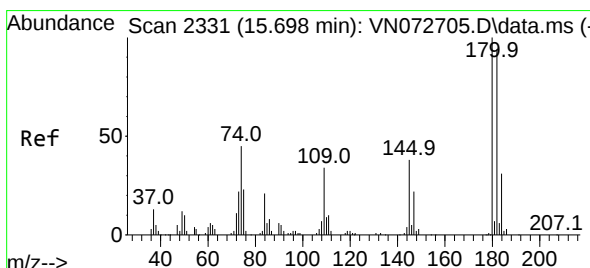
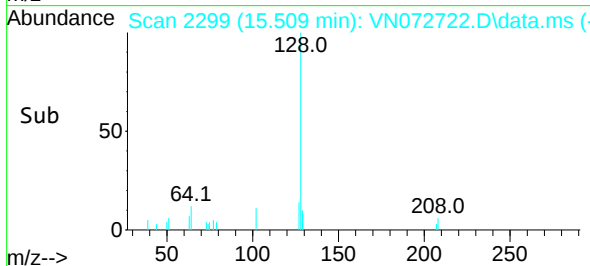
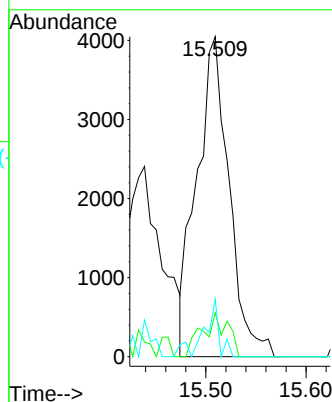
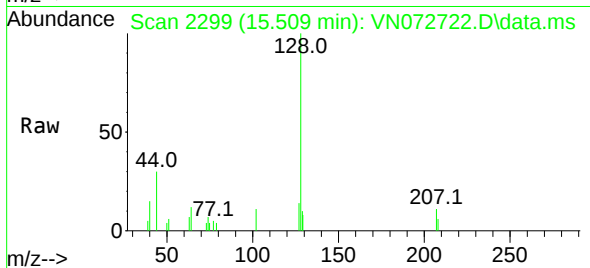
Tgt Ion:128 Resp: 9052

Ion Ratio Lower Upper

128 100

127 10.8 10.3 15.5

129 7.1 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.297 ug/l

RT: 15.633 min Scan# 2320

Delta R.T. -0.065 min

Lab File: VN072722.D

Acq: 09 Jun 2022 10:38

Tgt Ion:180 Resp: 617

Ion Ratio Lower Upper

180 100

182 65.8 47.8 143.3

145 22.0 15.5 46.5

