

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022123\
 Data File : VN076745.D
 Acq On : 21 Feb 2023 10:36
 Operator : JC\MD
 Sample : VN0221MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBL01

Quant Time: Feb 22 04:10:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

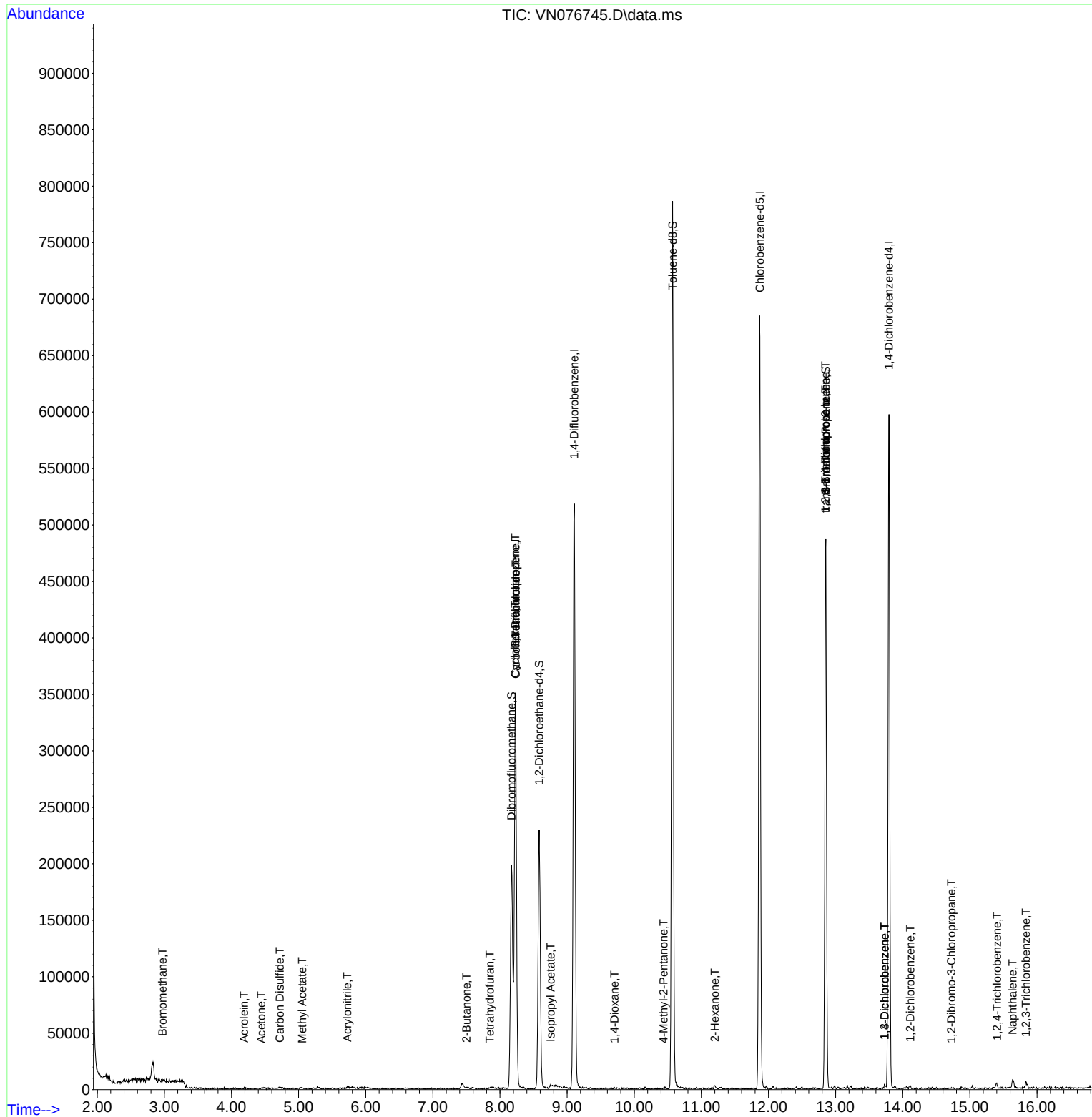
Internal Standards						
1) Pentafluorobenzene	8.230	168	244143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	436804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	385909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	150949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	175579	52.081	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.160%			
35) Dibromofluoromethane	8.172	113	139607	48.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.600%			
50) Toluene-d8	10.571	98	525061	49.150	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.300%			
62) 4-Bromofluorobenzene	12.854	95	155870	44.053	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.100%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.972	94	649	0.322	ug/l #	6
13) Acrolein	4.190	56	577	0.864	ug/l #	81
15) Acrylonitrile	5.725	53	776	0.491	ug/l #	31
16) Acetone	4.442	43	803	0.533	ug/l #	42
17) Carbon Disulfide	4.719	76	1467	0.220	ug/l #	73
18) Methyl Acetate	5.054	43	1185	0.241	ug/l #	86
25) 2-Butanone	7.501	43	507	0.228	ug/l #	51
29) Tetrahydrofuran	7.848	42	1051	0.724	ug/l #	58
31) Cyclohexane	8.225	56	5990	1.133	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	22127	5.354	ug/l #	50
38) Carbon Tetrachloride	8.236	117	24814	5.952	ug/l #	16
43) Isopropyl Acetate	8.754	43	2593	0.366	ug/l #	56
49) 1,4-Dioxane	9.707	88	108	1.859	ug/l #	14
51) 4-Methyl-2-Pentanone	10.436	43	1189	0.264	ug/l #	59
59) 2-Hexanone	11.201	43	2026	0.624	ug/l	98
71) Bromoform	12.854	173	2558	1.174	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75	84915	27.825	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	84915	81.042	ug/l #	4
87) 1,3-Dichlorobenzene	13.730	146	1394	0.267	ug/l	94
88) 1,4-Dichlorobenzene	13.730	146	1394	0.268	ug/l	93
91) 1,2-Dichlorobenzene	14.112	146	1187	0.222	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.724	75	253	0.326	ug/l #	28
93) 1,2,4-Trichlorobenzene	15.406	180	1635	0.613	ug/l	95
95) Naphthalene	15.636	128	8210	1.014	ug/l	96
96) 1,2,3-Trichlorobenzene	15.836	180	2297	0.889	ug/l #	89

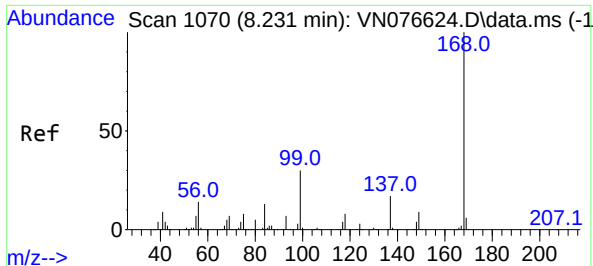
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 14 01:44:47 2023
Response via : Initial Calibration

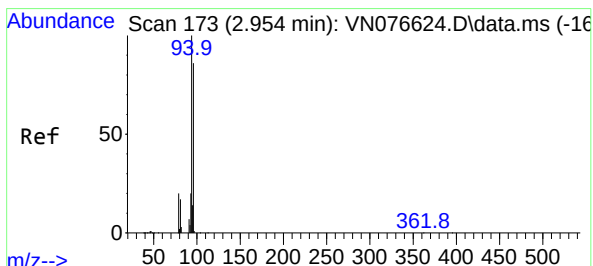
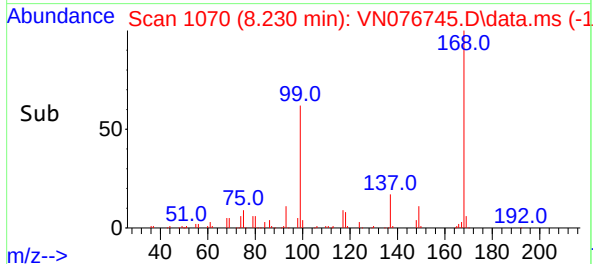
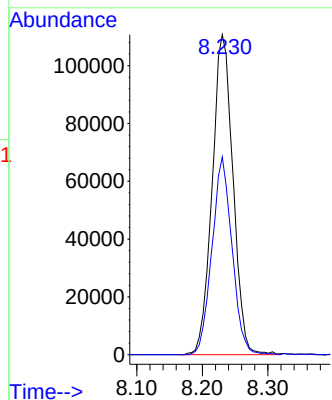
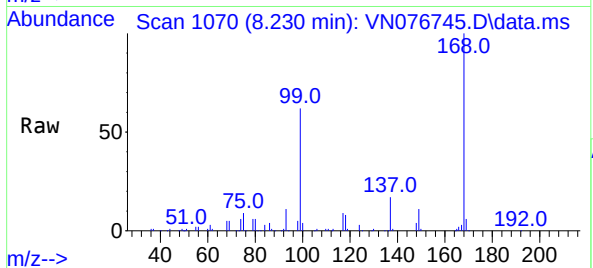




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

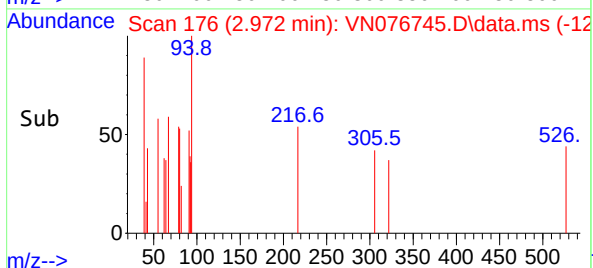
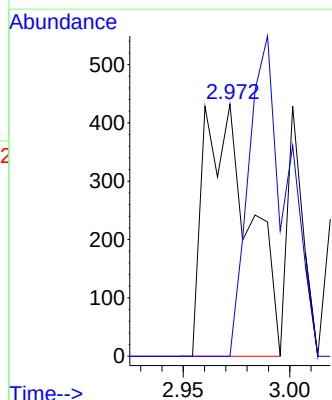
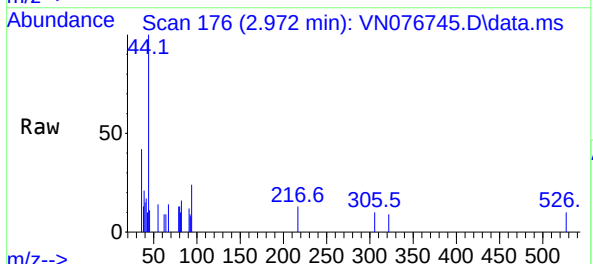
Instrument :
MSVOA_N
ClientSampleId :
VN0221MBL01

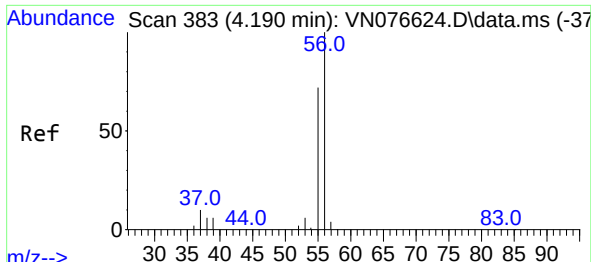
Tgt Ion:168 Resp: 244143
Ion Ratio Lower Upper
168 100
99 61.8 44.8 67.2



#5
Bromomethane
Concen: 0.322 ug/l
RT: 2.972 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

Tgt Ion: 94 Resp: 649
Ion Ratio Lower Upper
94 100
96 0.0 69.0 103.4#





#13

Acrolein

Concen: 0.864 ug/l

RT: 4.190 min Scan# 383

Delta R.T. -0.000 min

Lab File: VN076745.D

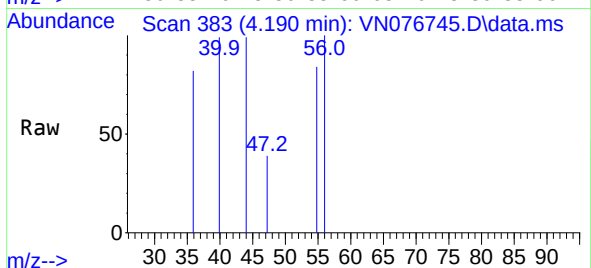
Acq: 21 Feb 2023 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBL01

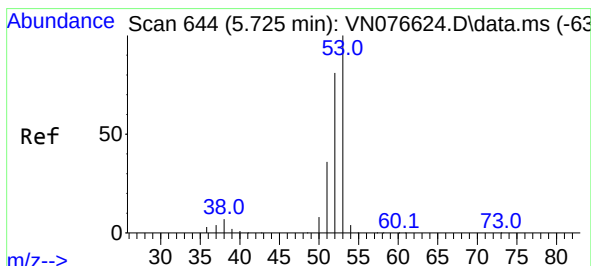
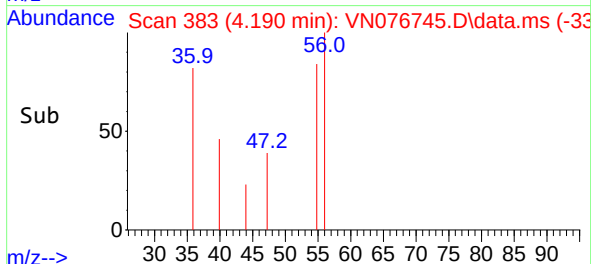
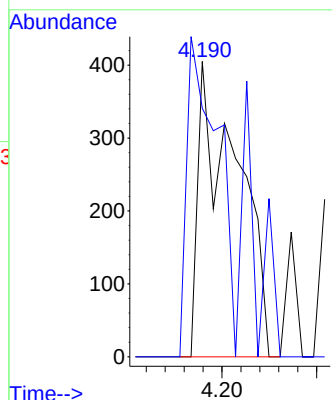


Tgt Ion: 56 Resp: 577

Ion Ratio Lower Upper

56 100

55 86.1 56.3 84.5#



#15

Acrylonitrile

Concen: 0.491 ug/l

RT: 5.725 min Scan# 644

Delta R.T. -0.000 min

Lab File: VN076745.D

Acq: 21 Feb 2023 10:36

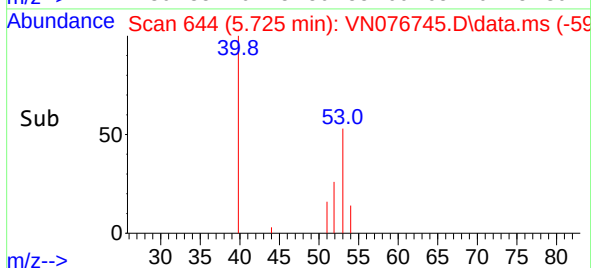
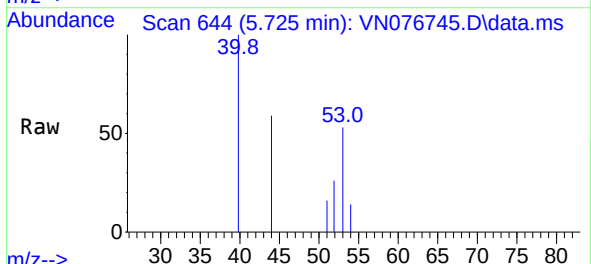
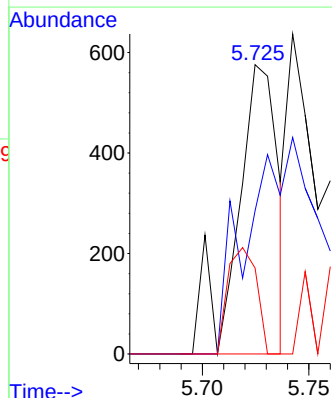
Tgt Ion: 53 Resp: 776

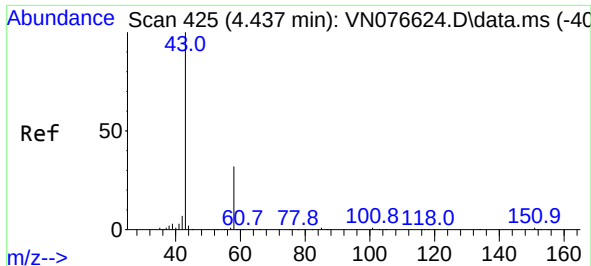
Ion Ratio Lower Upper

53 100

52 0.0 65.3 97.9#

51 25.6 29.2 43.8#

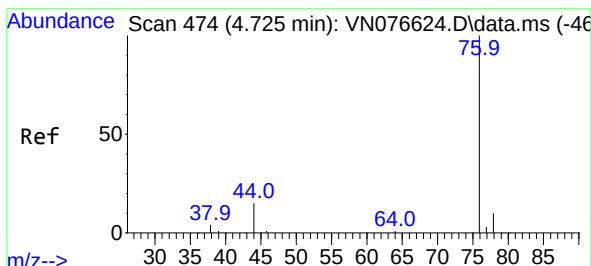
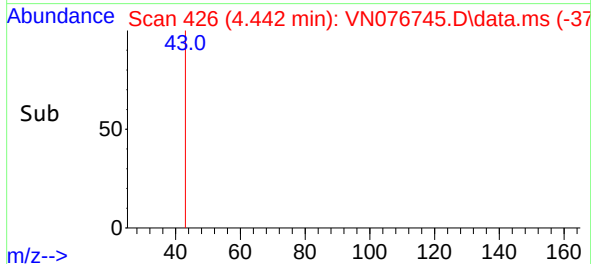
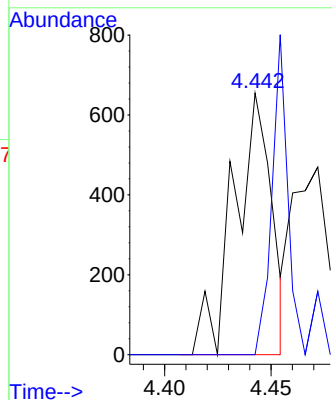
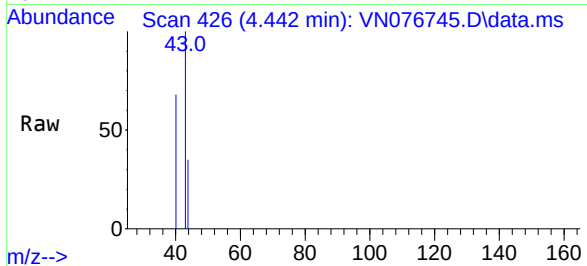




#16
Acetone
Concen: 0.533 ug/l
RT: 4.442 min Scan# 431
Delta R.T. 0.005 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

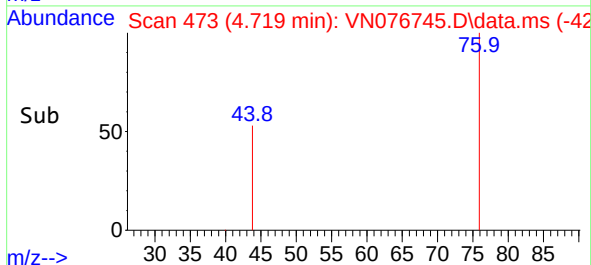
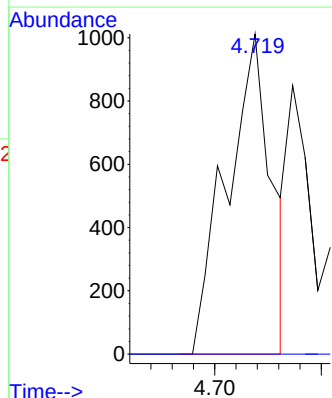
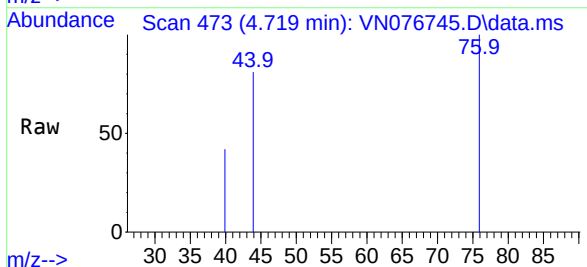
Instrument :
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VN0221MBL01

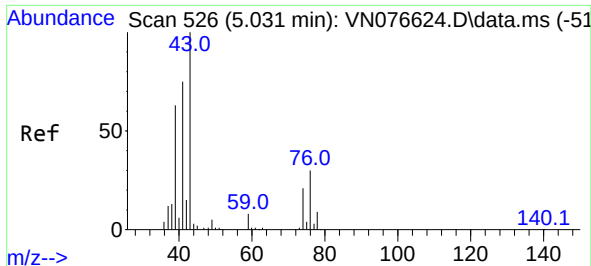
Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#



#17
Carbon Disulfide
Concen: 0.220 ug/l
RT: 4.719 min Scan# 473
Delta R.T. -0.006 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

Tgt Ion: 76 Resp: 1467
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#

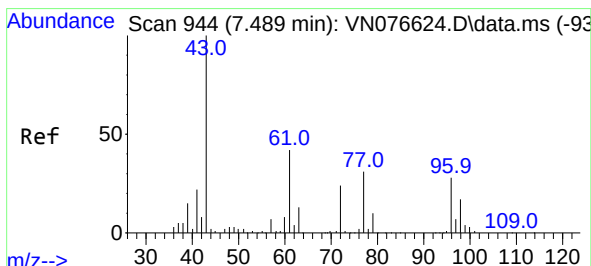
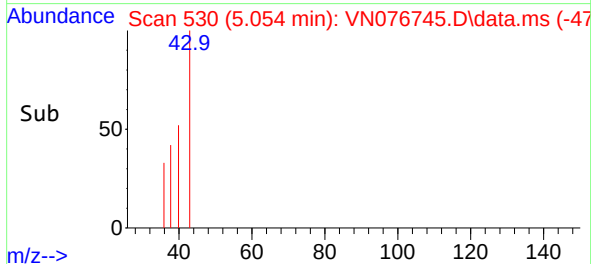
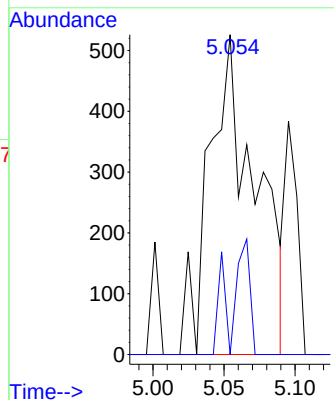
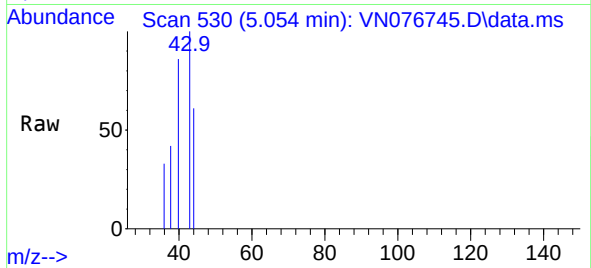




#18
Methyl Acetate
Concen: 0.241 ug/l
RT: 5.054 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

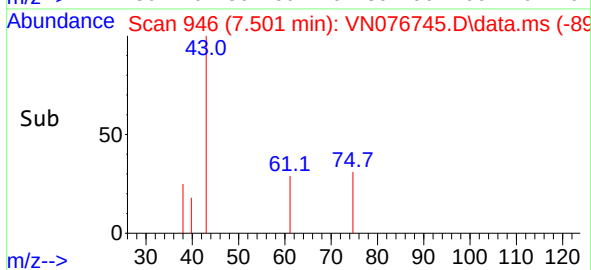
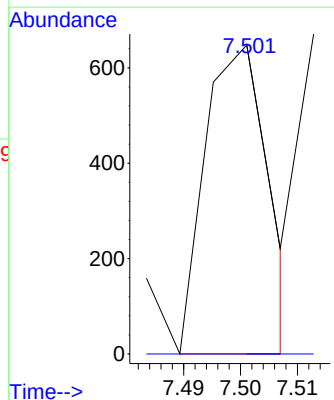
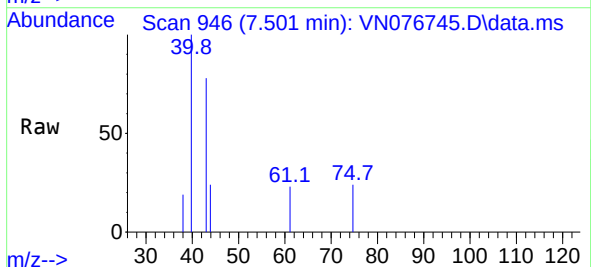
Instrument :
MSVOA_N
ClientSampleId :
VN0221MBL01

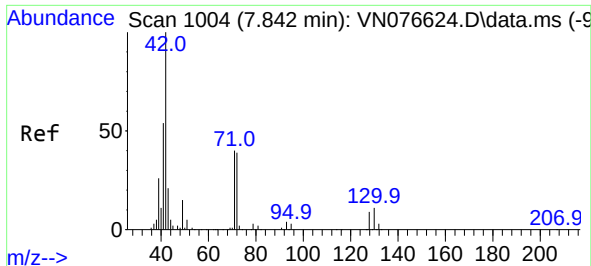
Tgt Ion: 43 Resp: 1185
Ion Ratio Lower Upper
43 100
74 15.2 17.7 26.5#



#25
2-Butanone
Concen: 0.228 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

Tgt Ion: 43 Resp: 507
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.724 ug/l

RT: 7.848 min Scan# 1051

Delta R.T. 0.006 min

Lab File: VN076745.D

Acq: 21 Feb 2023 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBL01

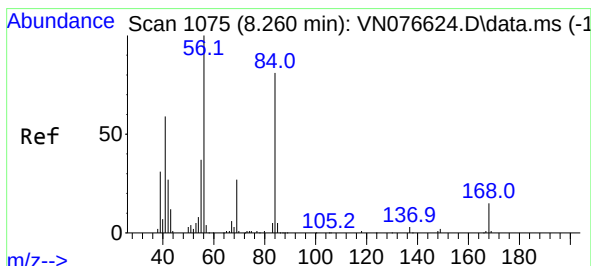
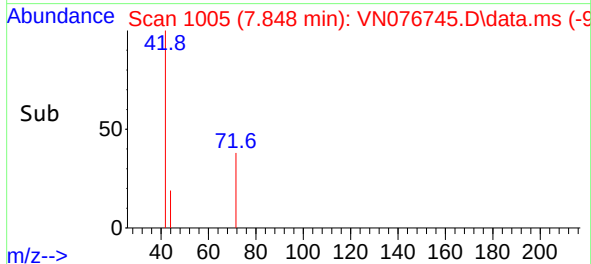
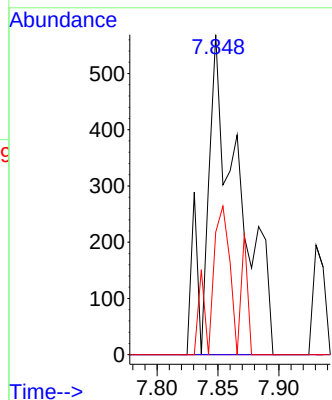
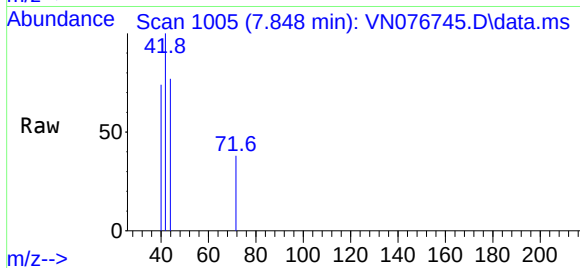
Tgt Ion: 42 Resp: 1051

Ion Ratio Lower Upper

42 100

72 0.0 31.5 47.3#

71 26.7 29.8 44.8#



#31

Cyclohexane

Concen: 1.133 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.035 min

Lab File: VN076745.D

Acq: 21 Feb 2023 10:36

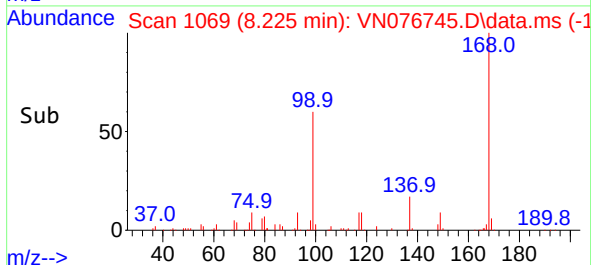
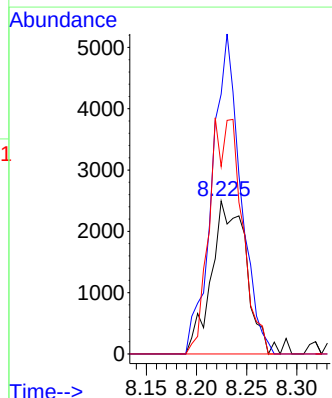
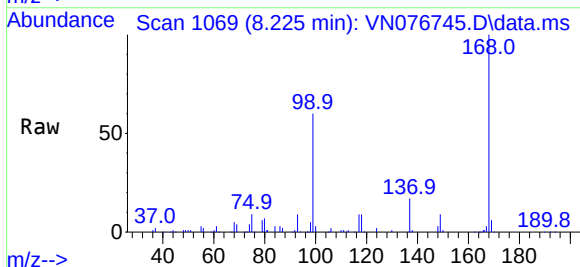
Tgt Ion: 56 Resp: 5990

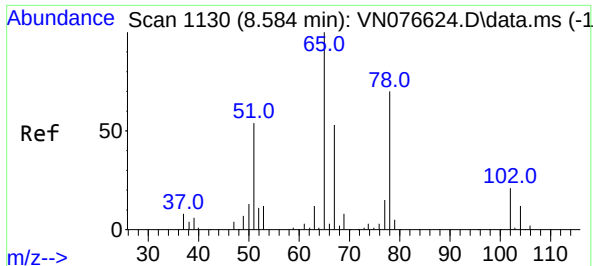
Ion Ratio Lower Upper

56 100

69 169.9 21.6 32.4#

84 122.7 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: 52.081 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN076745.D

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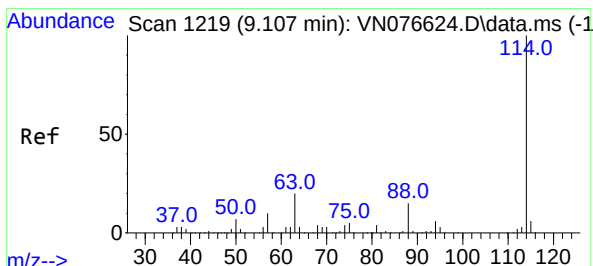
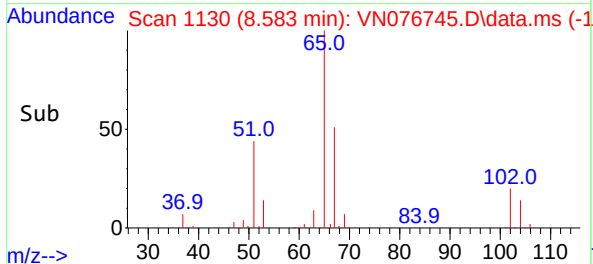
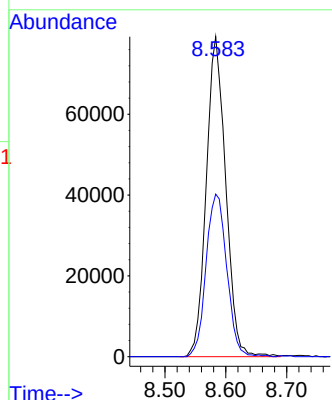
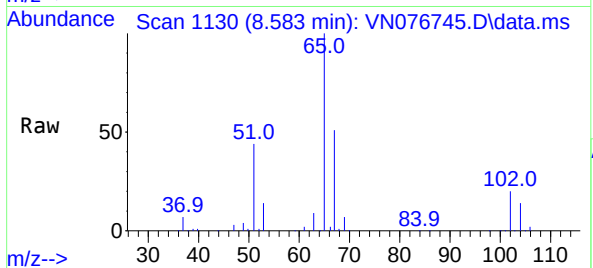
VN0221MBL01

Tgt Ion: 65 Resp: 175579

Ion Ratio Lower Upper

65 100

67 53.9 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076745.D

Acq: 21 Feb 2023 10:36

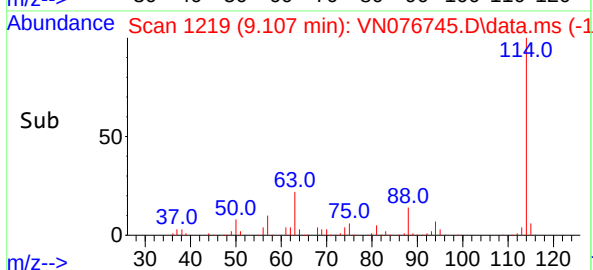
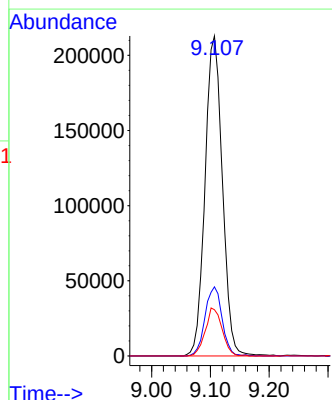
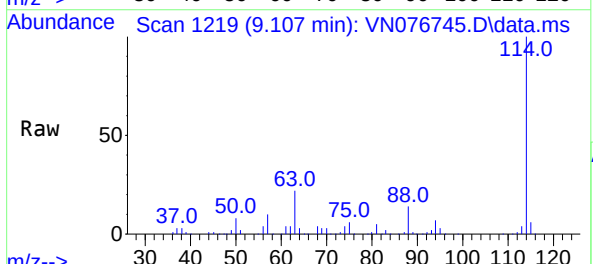
Tgt Ion: 114 Resp: 436804

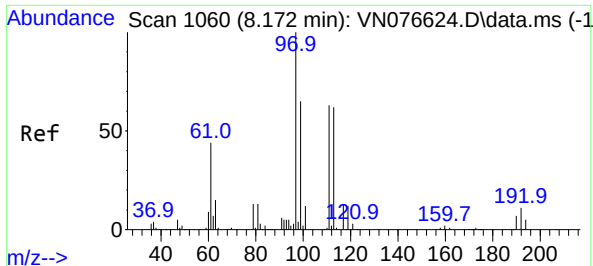
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

88 14.4 0.0 29.6

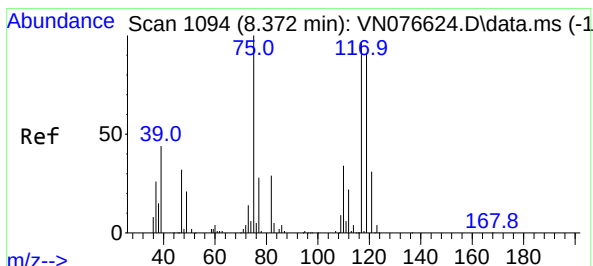
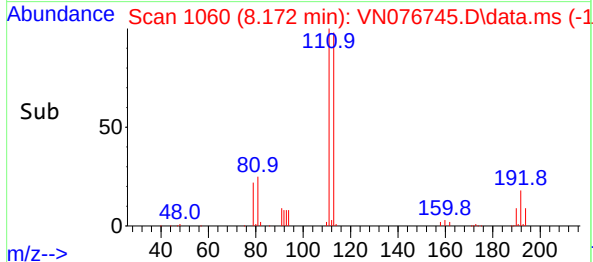
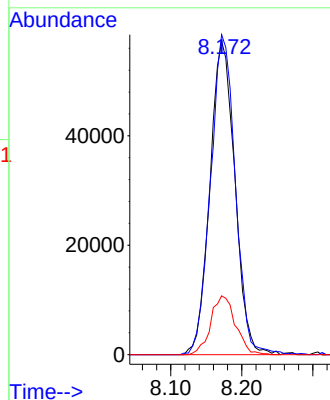
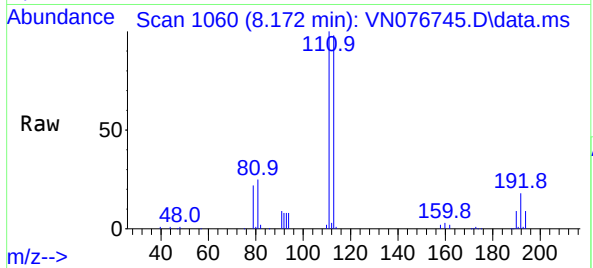




#35
Dibromofluoromethane
Concen: 48.804 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

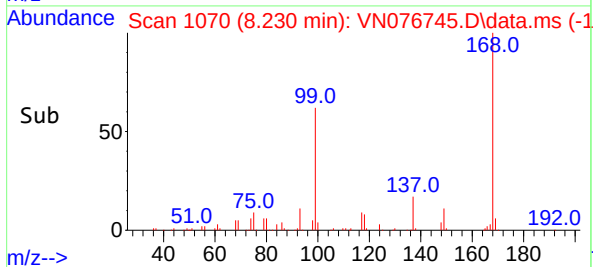
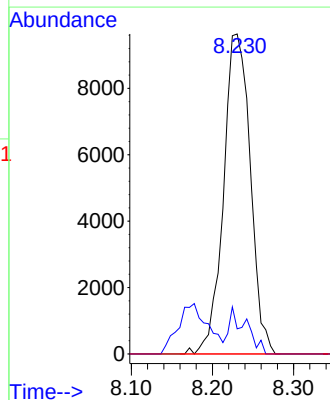
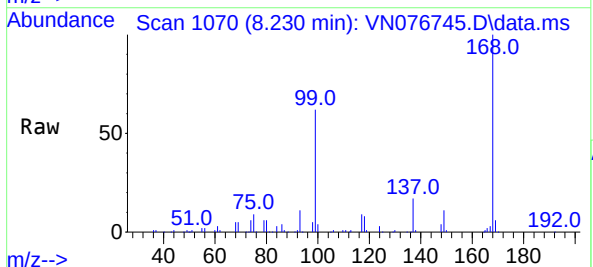
Instrument :
MSVOA_N
ClientSampleId :
VN0221MBL01

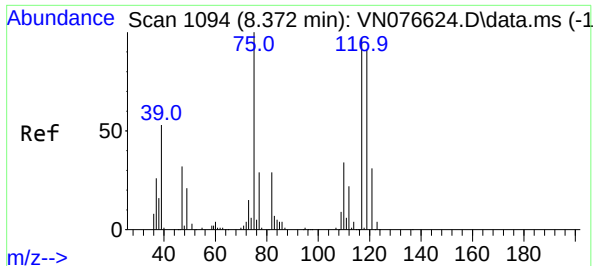
Tgt Ion:113 Resp: 139607
Ion Ratio Lower Upper
113 100
111 101.4 83.1 124.7
192 18.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.354 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.142 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

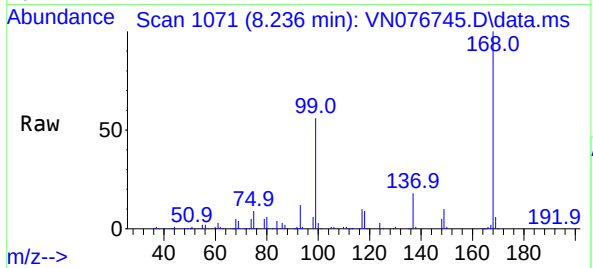
Tgt Ion: 75 Resp: 22127
Ion Ratio Lower Upper
75 100
110 9.4 17.5 52.5#
77 0.0 24.5 36.7#



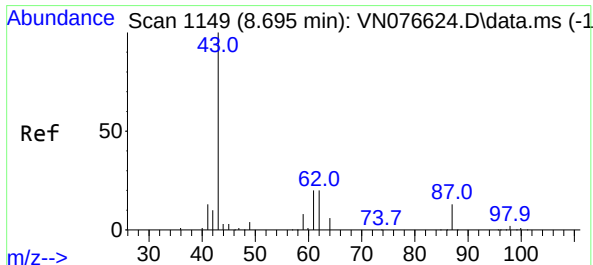
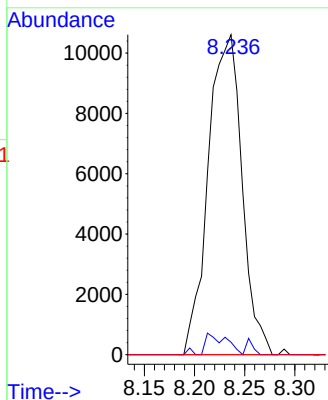
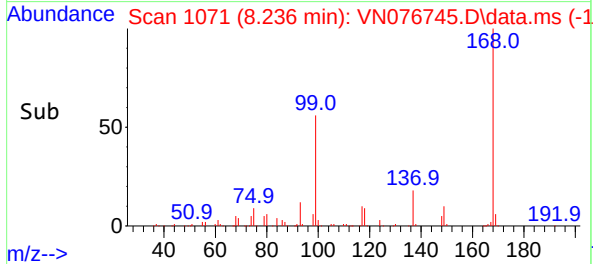


#38
Carbon Tetrachloride
Concen: 5.952 ug/l
RT: 8.236 min Scan# 1107
Delta R.T. -0.136 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

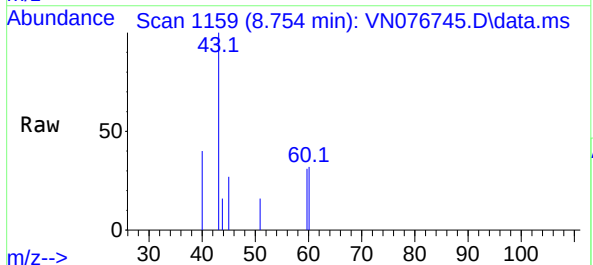
Instrument :
MSVOA_N
ClientSampleId :
VN0221MBL01



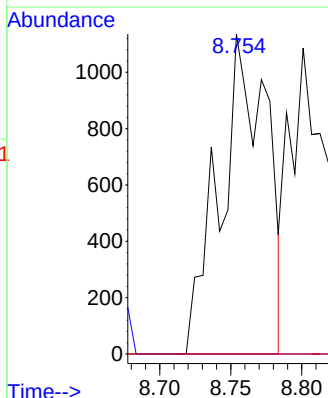
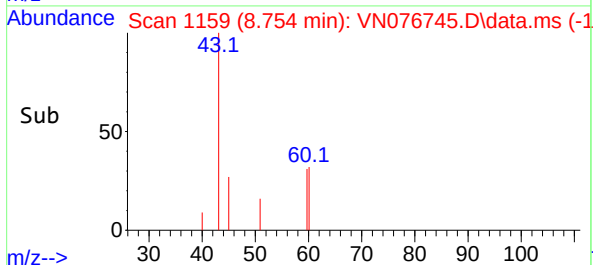
Tgt Ion:117 Resp: 24814
Ion Ratio Lower Upper
117 100
119 3.9 75.4 113.0#
121 0.0 26.0 39.0#

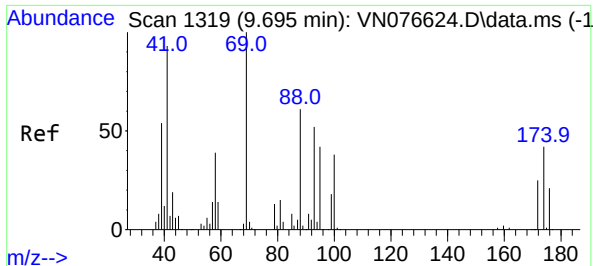


#43
Isopropyl Acetate
Concen: 0.366 ug/l
RT: 8.754 min Scan# 1159
Delta R.T. 0.059 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36



Tgt Ion: 43 Resp: 2593
Ion Ratio Lower Upper
43 100
61 0.0 20.0 30.0#
87 0.0 9.9 14.9#

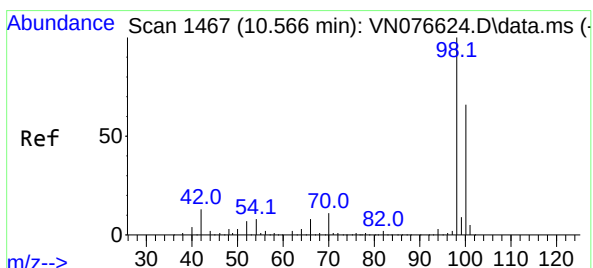
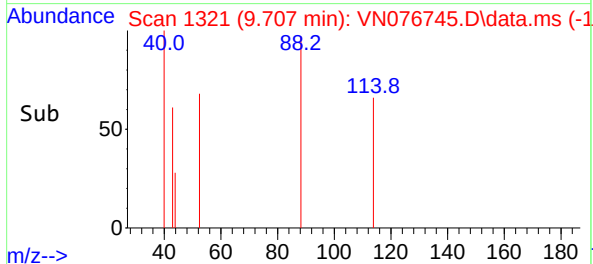
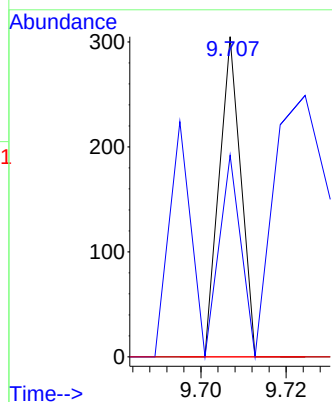
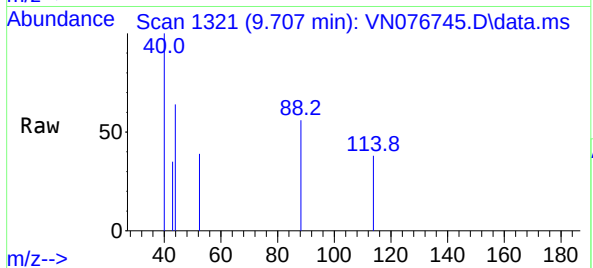




#49
1,4-Dioxane
Concen: 1.859 ug/l
RT: 9.707 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

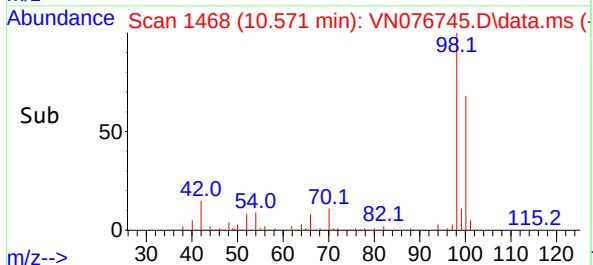
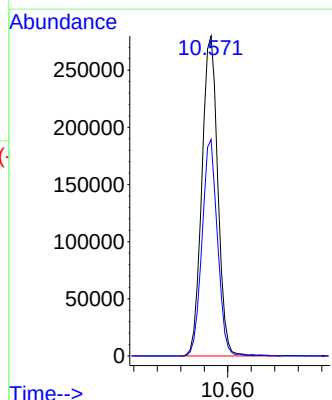
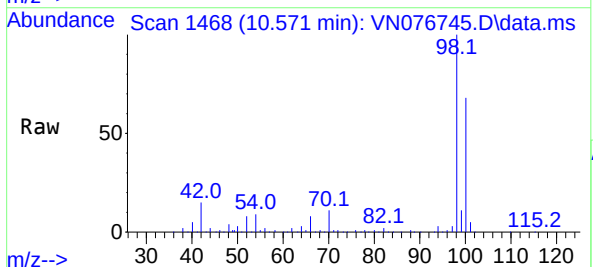
Instrument :
MSVOA_N
ClientSampleId :
VN0221MBL01

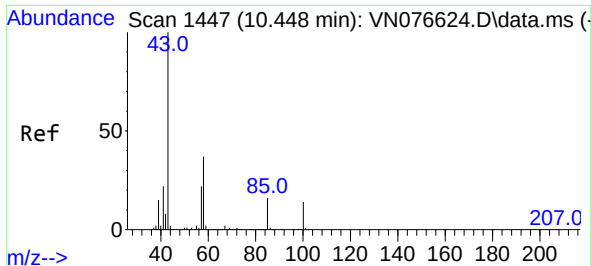
Tgt Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 73.1 22.6 33.8#
58 0.0 57.6 86.4#



#50
Toluene-d8
Concen: 49.150 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.005 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

Tgt Ion: 98 Resp: 525061
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3

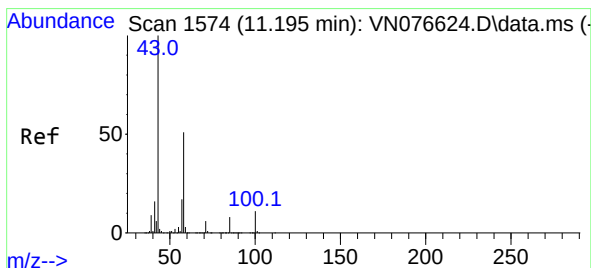
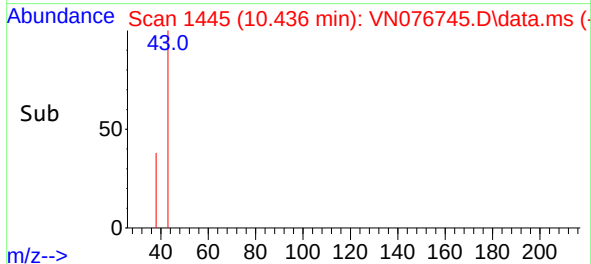
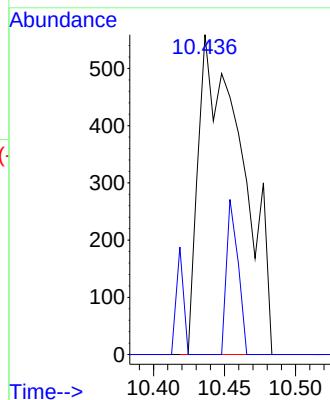
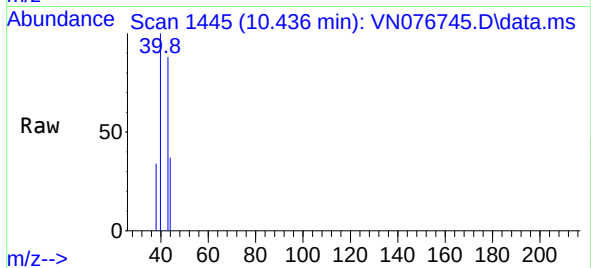




#51
4-Methyl-2-Pentanone
Concen: 0.264 ug/l
RT: 10.436 min Scan# 1445
Delta R.T. -0.012 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

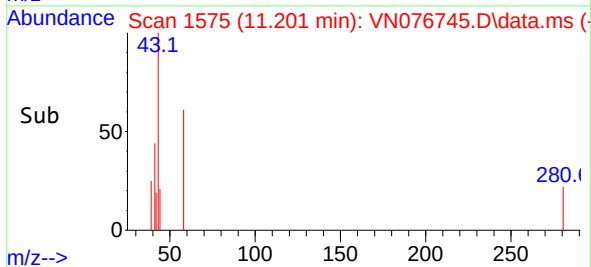
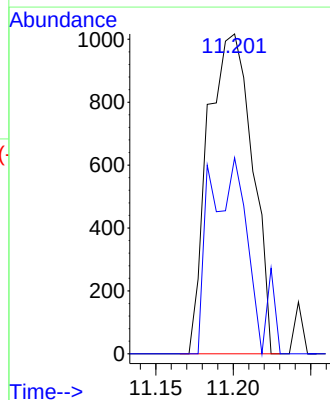
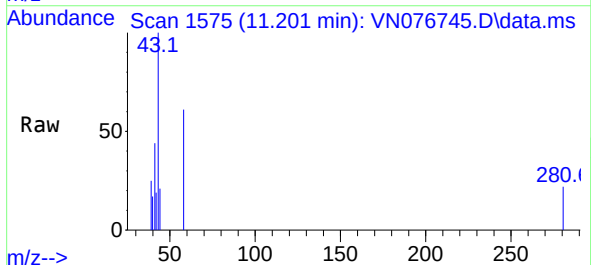
Instrument :
MSVOA_N
ClientSampleId :
VN0221MBL01

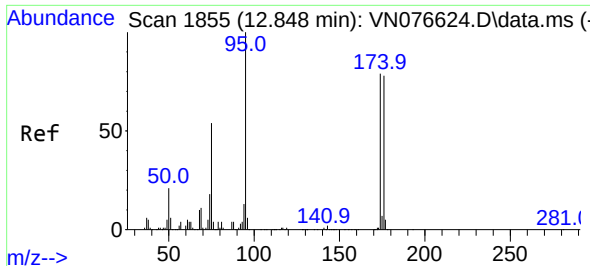
Tgt Ion: 43 Resp: 1189
Ion Ratio Lower Upper
43 100
58 12.8 29.5 44.3#



#59
2-Hexanone
Concen: 0.624 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

Tgt Ion: 43 Resp: 2026
Ion Ratio Lower Upper
43 100
58 49.4 25.4 76.0

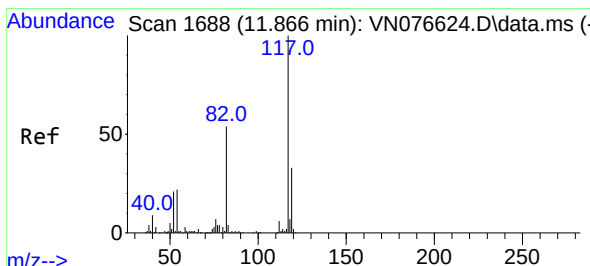
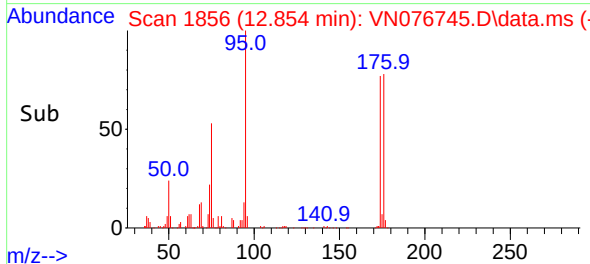
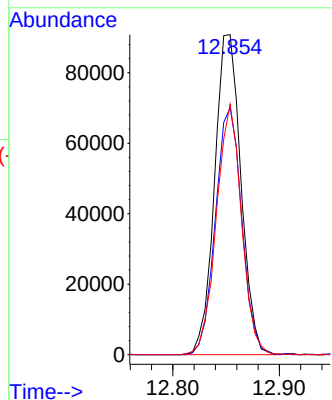
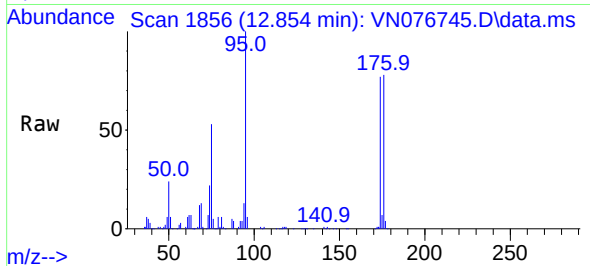




#62
4-Bromofluorobenzene
Concen: 44.053 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

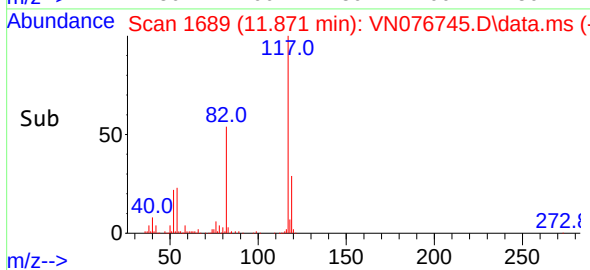
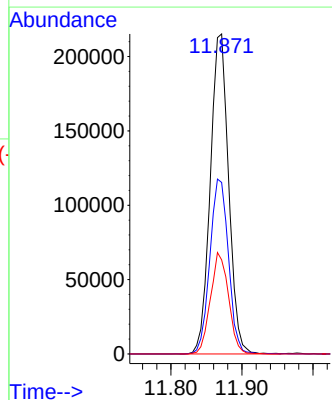
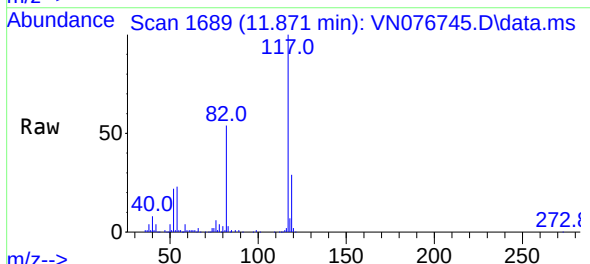
Instrument :
MSVOA_N
ClientSampleId :
VN0221MBL01

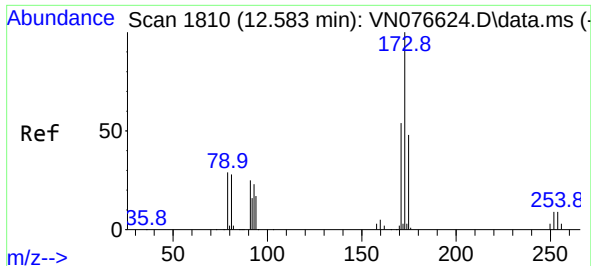
Tgt Ion: 95 Resp: 155870
Ion Ratio Lower Upper
95 100
174 77.1 0.0 169.2
176 74.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

Tgt Ion: 117 Resp: 385909
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.2
119 29.4 26.1 39.1

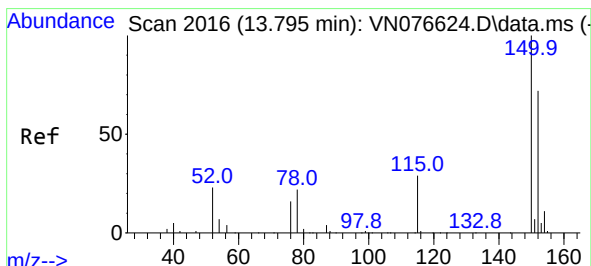
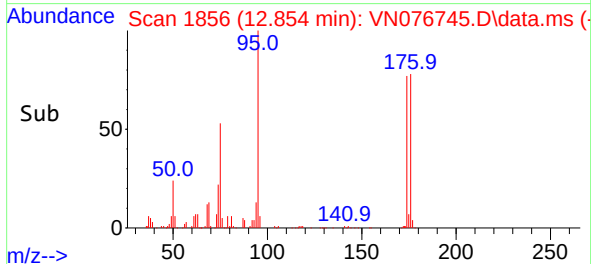
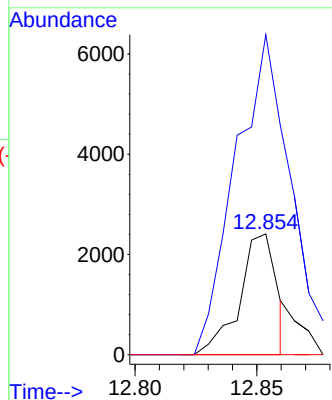
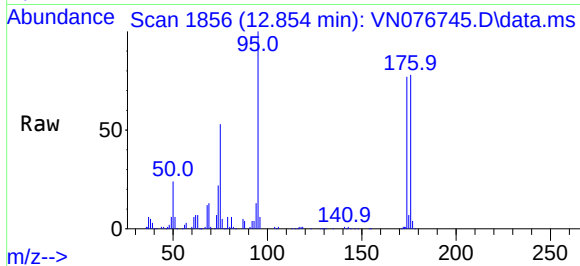




#71
Bromoform
Concen: 1.174 ug/l
RT: 12.854 min Scan# 1810
Delta R.T. 0.271 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

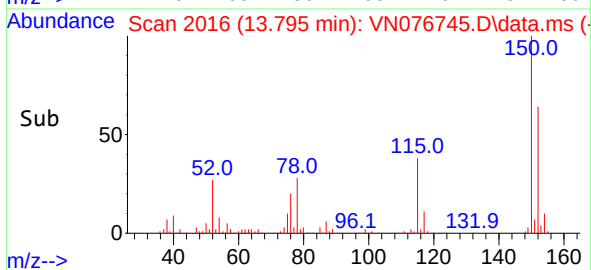
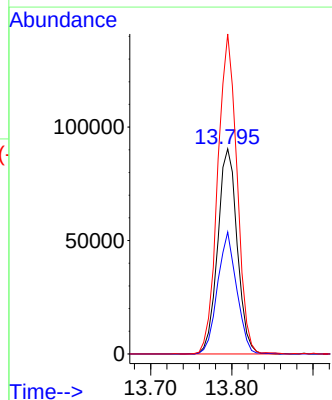
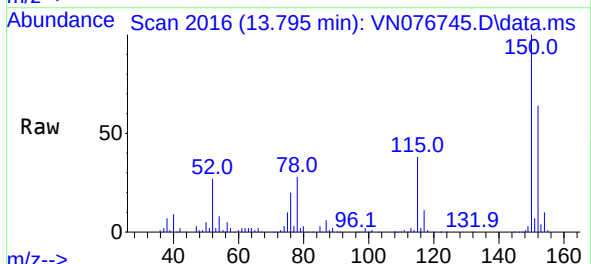
Instrument :
MSVOA_N
ClientSampleId :
VN0221MBL01

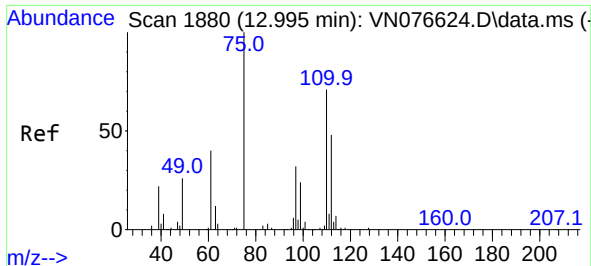
Tgt Ion:173 Resp: 2558
Ion Ratio Lower Upper
173 100
175 318.8 24.9 74.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

Tgt Ion:152 Resp: 150949
Ion Ratio Lower Upper
152 100
115 58.5 29.3 87.9
150 154.5 0.0 349.8

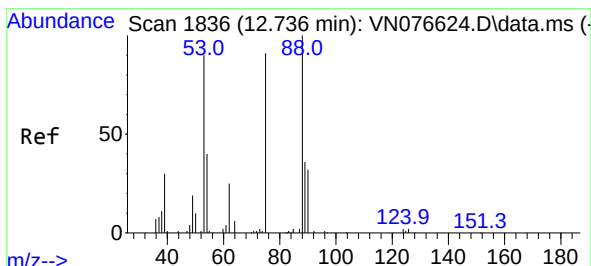
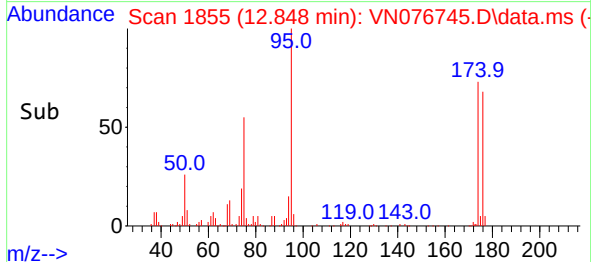
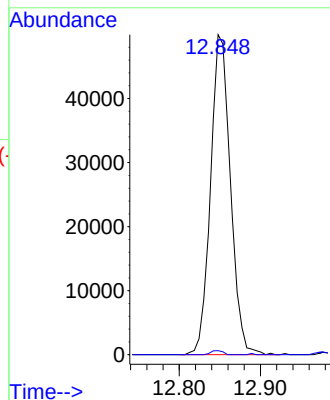
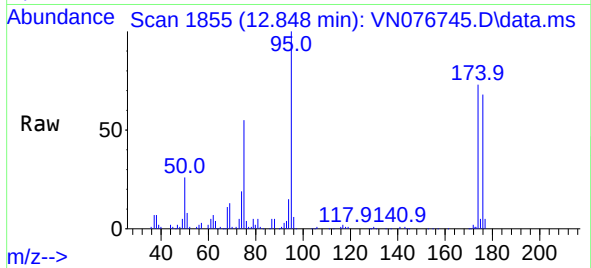




#76
1,2,3-Trichloropropane
Concen: 27.825 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

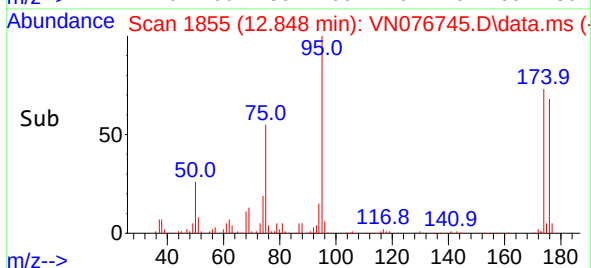
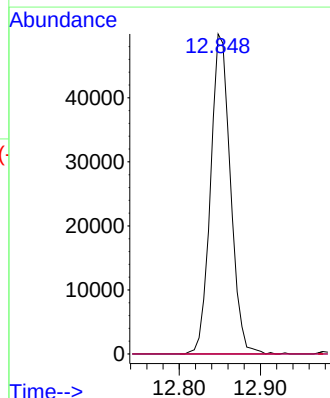
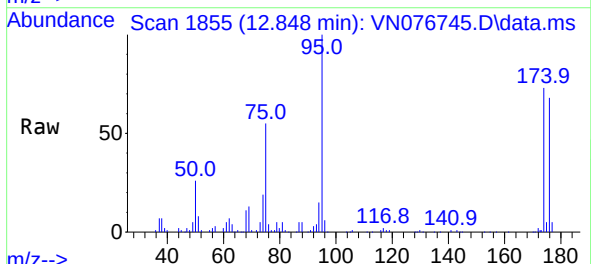
Instrument :
MSVOA_N
ClientSampleId :
VN0221MBL01

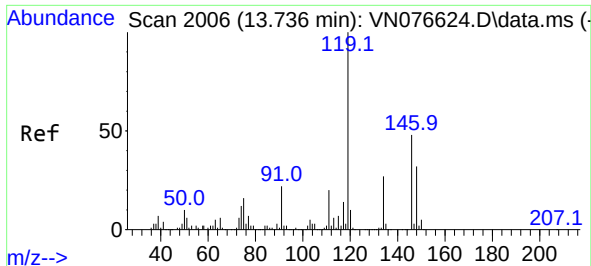
Tgt Ion: 75 Resp: 84915
Ion Ratio Lower Upper
75 100
77 0.8 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.042 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.112 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

Tgt Ion: 75 Resp: 84915
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1#
89 0.0 37.5 56.3#





#87

1,3-Dichlorobenzene

Concen: 0.267 ug/l

RT: 13.730 min Scan# 2005

Delta R.T. -0.006 min

Lab File: VN076745.D

Acq: 21 Feb 2023 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBL01

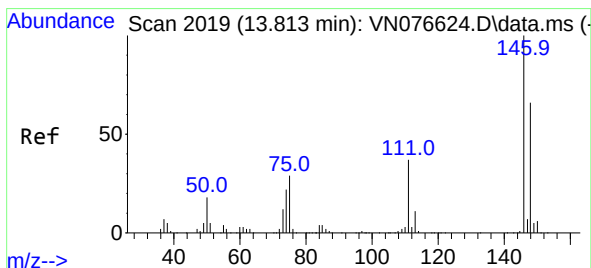
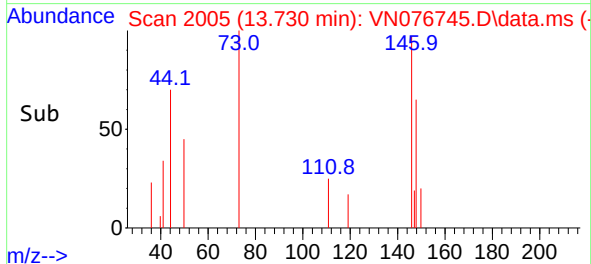
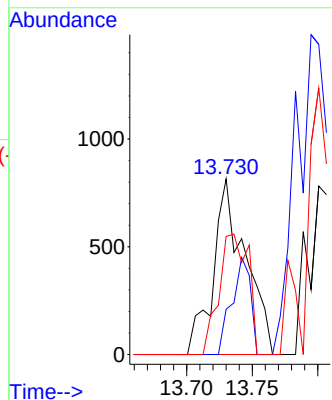
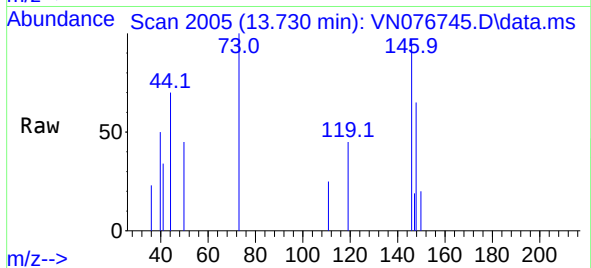
Tgt Ion:146 Resp: 1394

Ion Ratio Lower Upper

146 100

111 32.1 19.8 59.4

148 62.3 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 0.268 ug/l

RT: 13.730 min Scan# 2005

Delta R.T. -0.083 min

Lab File: VN076745.D

Acq: 21 Feb 2023 10:36

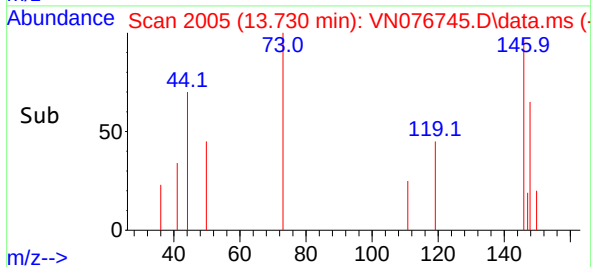
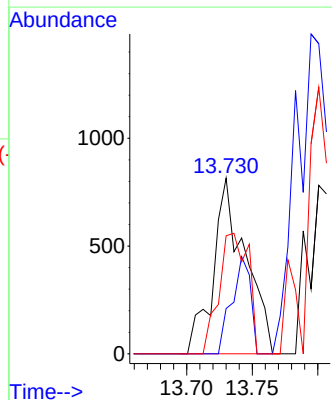
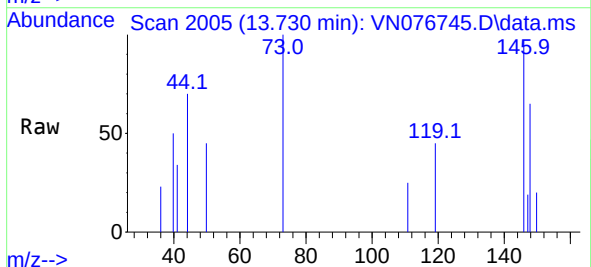
Tgt Ion:146 Resp: 1394

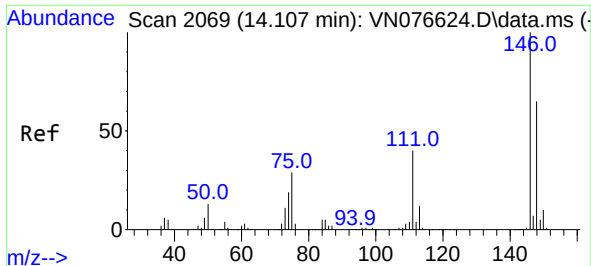
Ion Ratio Lower Upper

146 100

111 32.1 19.4 58.1

148 62.3 32.7 98.1





#91

1,2-Dichlorobenzene

Concen: 0.222 ug/l

RT: 14.112 min Scan# 2069

Delta R.T. 0.005 min

Lab File: VN076745.D

Acq: 21 Feb 2023 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBL01

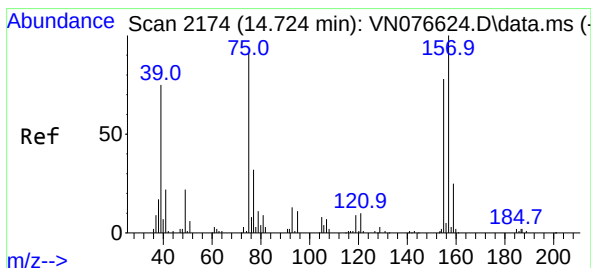
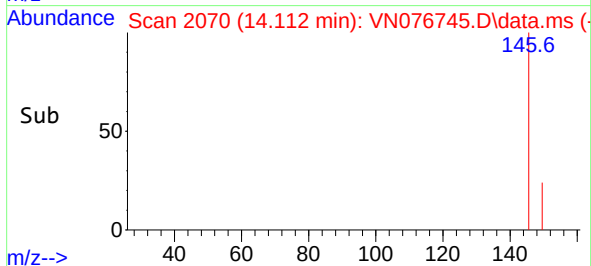
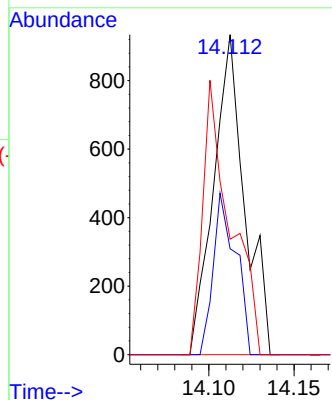
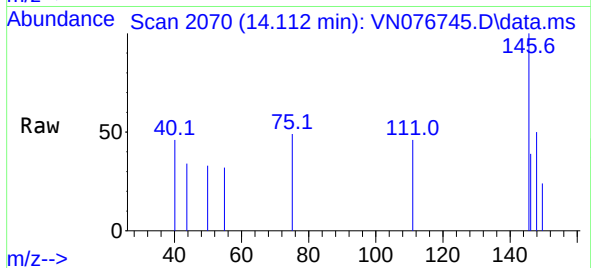
Tgt Ion:146 Resp: 1187

Ion Ratio Lower Upper

146 100

111 36.4 20.0 59.9

148 76.2 32.4 97.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.326 ug/l

RT: 14.724 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN076745.D

Acq: 21 Feb 2023 10:36

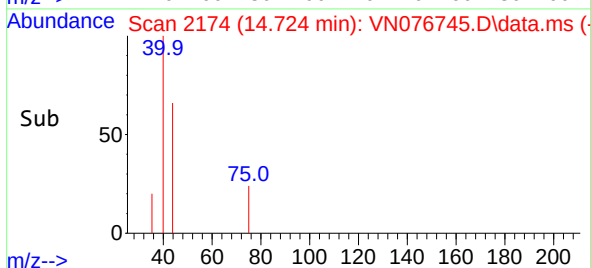
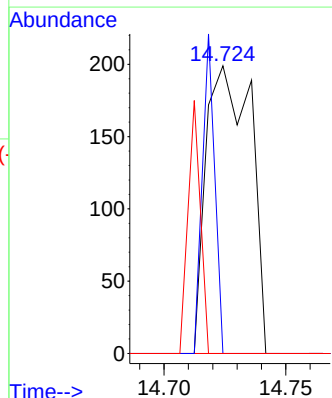
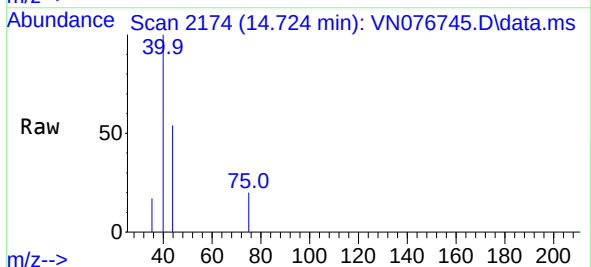
Tgt Ion: 75 Resp: 253

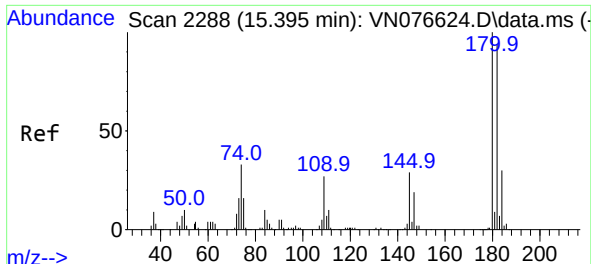
Ion Ratio Lower Upper

75 100

155 30.8 43.4 130.2#

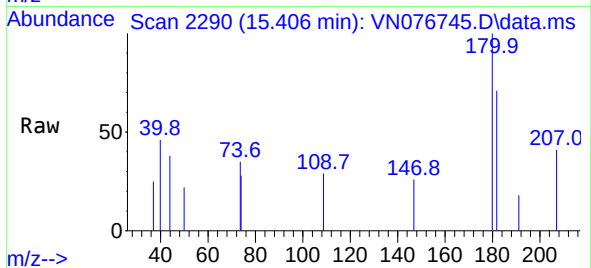
157 24.5 55.2 165.6#



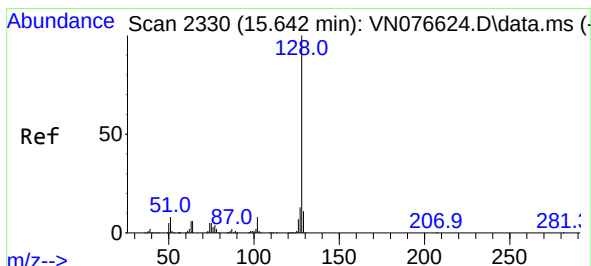
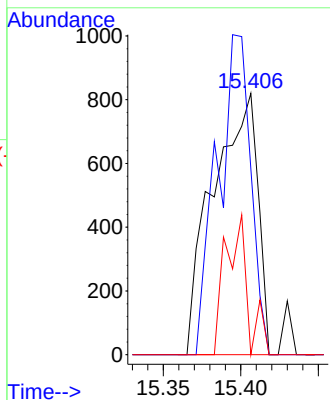
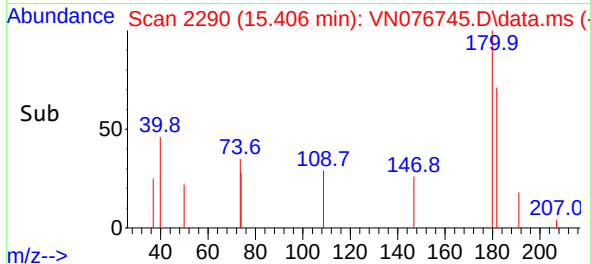


#93
1,2,4-Trichlorobenzene
Concen: 0.613 ug/l
RT: 15.406 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36

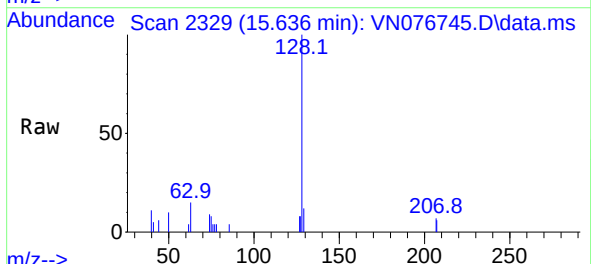
Instrument :
MSVOA_N
ClientSampleId :
VN0221MBL01



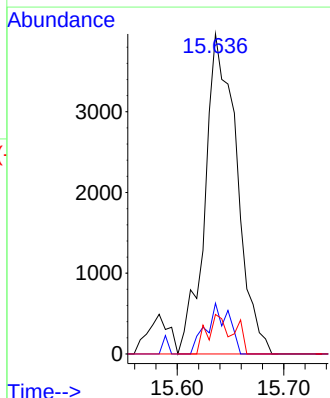
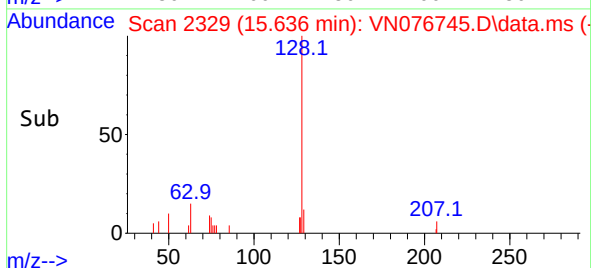
Tgt Ion:180 Resp: 1635
Ion Ratio Lower Upper
180 100
182 91.6 48.0 144.0
145 27.0 15.2 45.6

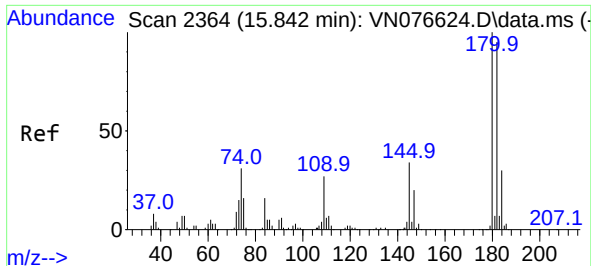


#95
Naphthalene
Concen: 1.014 ug/l
RT: 15.636 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN076745.D
Acq: 21 Feb 2023 10:36



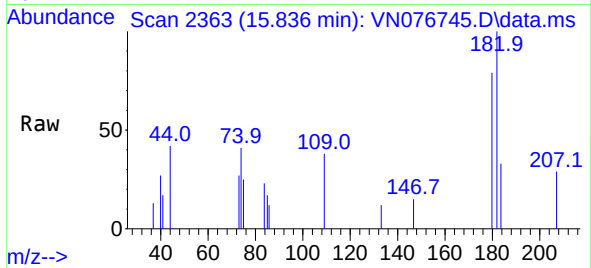
Tgt Ion:128 Resp: 8210
Ion Ratio Lower Upper
128 100
127 11.2 10.6 16.0
129 10.0 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.889 ug/l
 RT: 15.836 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN076745.D
 Acq: 21 Feb 2023 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBL01



Tgt Ion:180 Resp: 2297
 Ion Ratio Lower Upper
 180 100
 182 91.6 46.7 140.1
 145 10.3 16.0 47.9#

