

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076647.D
 Acq On : 13 Feb 2023 23:08
 Operator : JC\MD
 Sample : 01510-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-55-020823

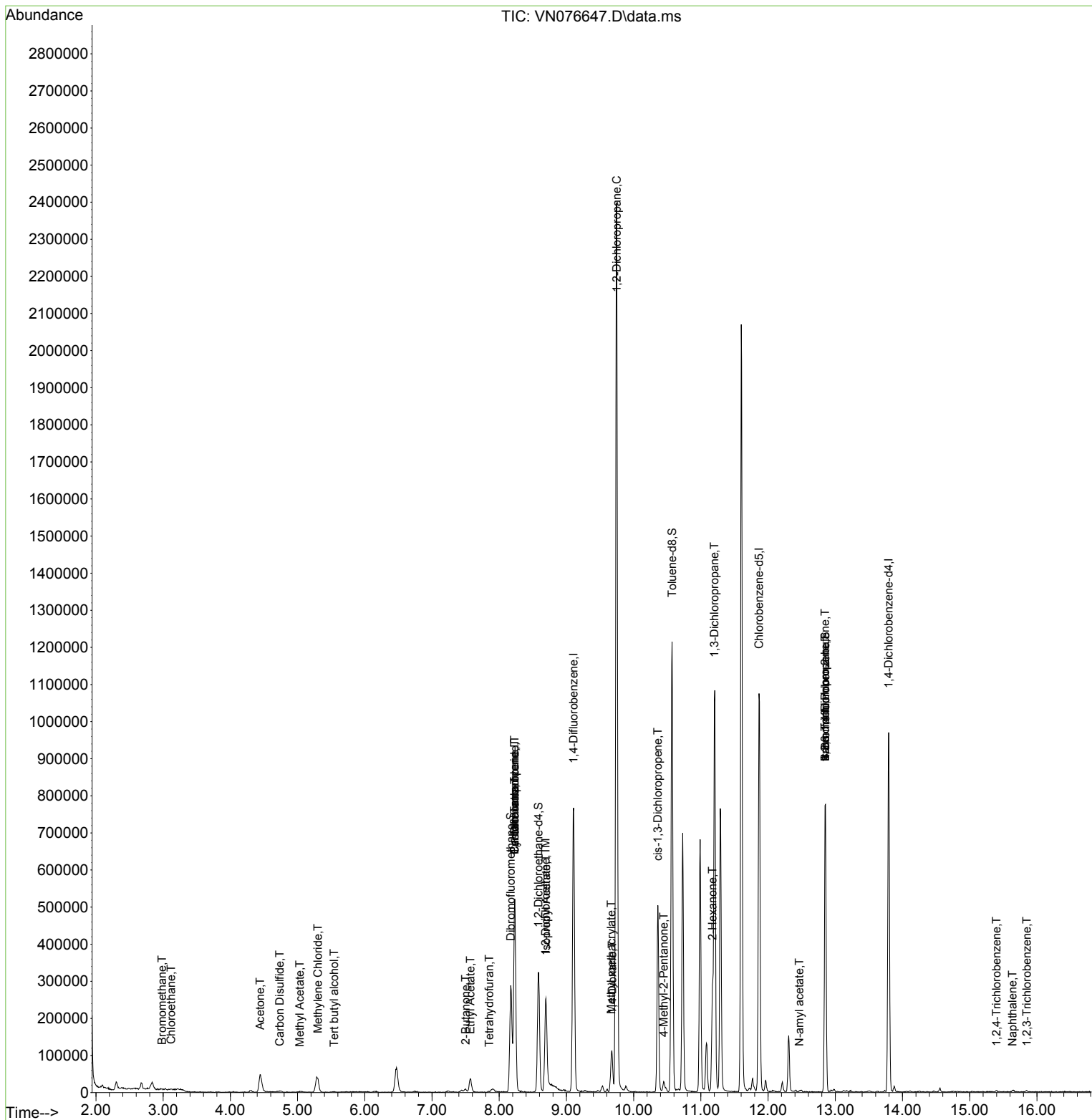
Quant Time: Feb 14 05:33:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

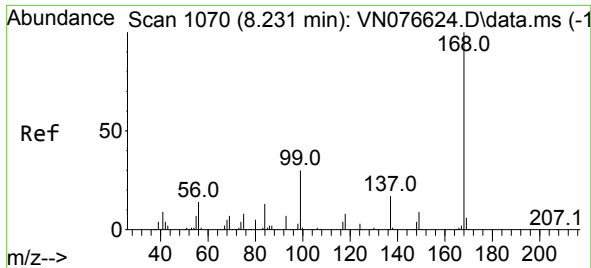
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	374642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	670730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	621931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	250254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	251719	48.658	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.320%		
35) Dibromofluoromethane	8.172	113	203375	46.301	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.600%		
50) Toluene-d8	10.571	98	815164	49.693	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.380%		
62) 4-Bromofluorobenzene	12.854	95	258787	47.632	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.260%		
Target Compounds						Qvalue
5) Bromomethane	2.984	94	1922	0.621	ug/l #	51
6) Chloroethane	3.119	64	802	0.248	ug/l #	44
11) Tert butyl alcohol	5.542	59	1880	2.753	ug/l #	79
16) Acetone	4.442	43	90043	38.966	ug/l	92
17) Carbon Disulfide	4.737	76	2710	0.265	ug/l #	87
18) Methyl Acetate	5.031	43	1688	0.224	ug/l #	20
20) Methylene Chloride	5.301	84	30718	6.343	ug/l	86
25) 2-Butanone	7.501	43	12329	3.617	ug/l	100
29) Tetrahydrofuran	7.854	42	1663	0.747	ug/l #	43
31) Cyclohexane	8.230	56	10213	1.259	ug/l #	30
36) 1,1-Dichloropropene	8.230	75	32472	5.117	ug/l #	52
37) Ethyl Acetate	7.572	43	59029	8.840	ug/l	97
38) Carbon Tetrachloride	8.230	117	39808	6.218	ug/l #	16
42) 1,2-Dichloroethane	8.689	62	1857	0.273	ug/l #	74
43) Isopropyl Acetate	8.695	43	325919	29.996	ug/l #	84
45) 1,2-Dichloropropane	9.748	63	3280	0.636	ug/l #	44
48) Methyl methacrylate	9.666	41	8055	1.562	ug/l #	48
49) 1,4-Dioxane	9.683	88	63	0.706	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	26033	3.766	ug/l #	83
54) cis-1,3-Dichloropropene	10.360	75	83398	11.328	ug/l #	68
57) 1,3-Dichloropropane	11.201	76	11086	1.349	ug/l #	42
59) 2-Hexanone	11.171	43	231193	46.381	ug/l #	27
71) Bromoform	12.848	173	2229	0.635	ug/l #	1
74) N-amyl acetate	12.465	43	1892	0.229	ug/l #	58
76) 1,2,3-Trichloropropane	12.848	75	141443	27.956	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	141443	81.425	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.401	180	1708	0.386	ug/l	75
95) Naphthalene	15.636	128	4823	0.359	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.848	180	1562	0.364	ug/l	75

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

Quant Time: Feb 14 05:33:49 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

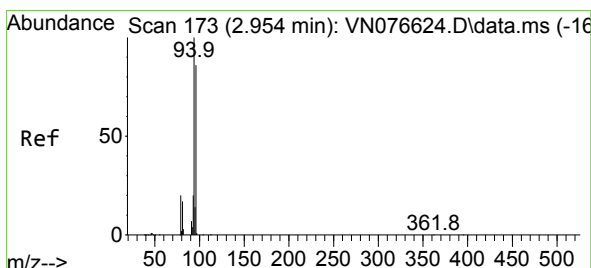
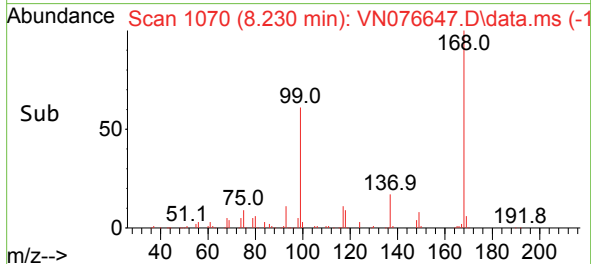
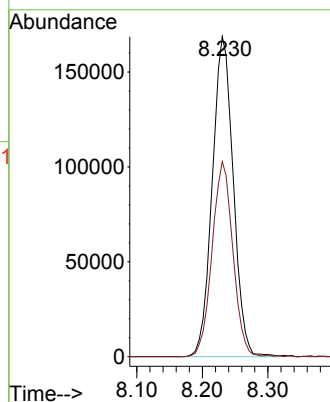
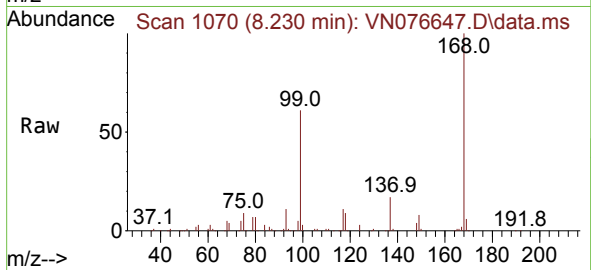




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

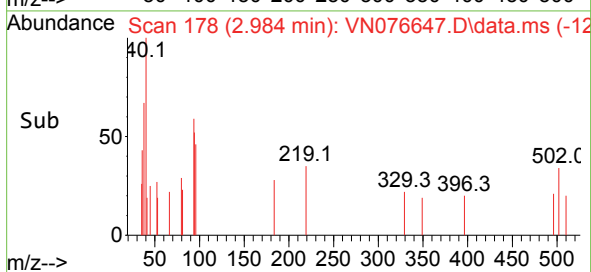
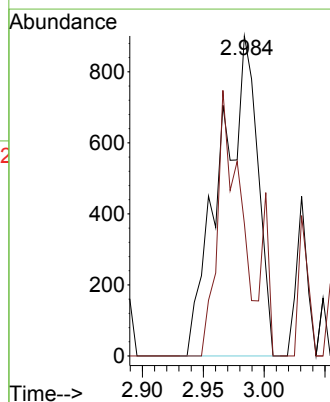
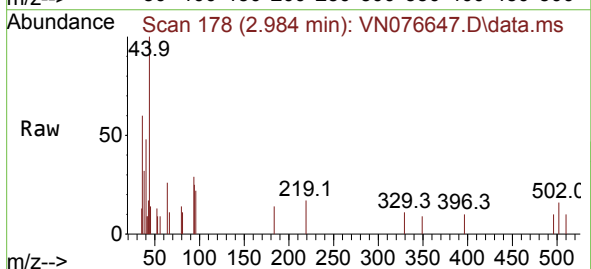
Instrument :
MSVOA_N
ClientSampleId :
JPP-55-020823

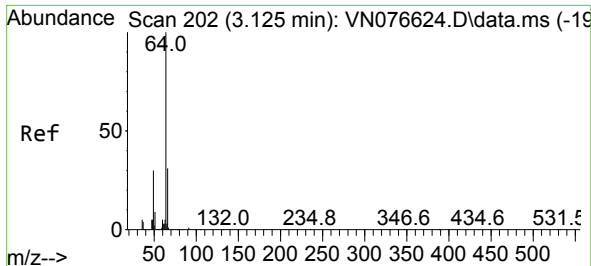
Tgt Ion:168 Resp: 374642
Ion Ratio Lower Upper
168 100
99 61.0 44.8 67.2



#5
Bromomethane
Concen: 0.621 ug/l
RT: 2.984 min Scan# 178
Delta R.T. 0.030 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

Tgt Ion: 94 Resp: 1922
Ion Ratio Lower Upper
94 100
96 41.4 69.0 103.4#

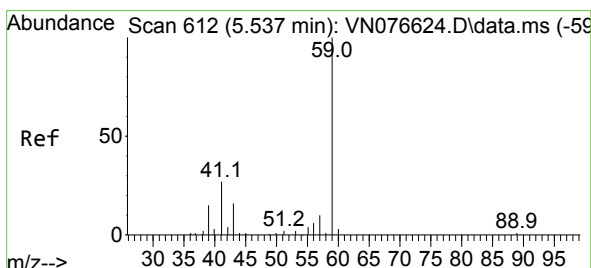
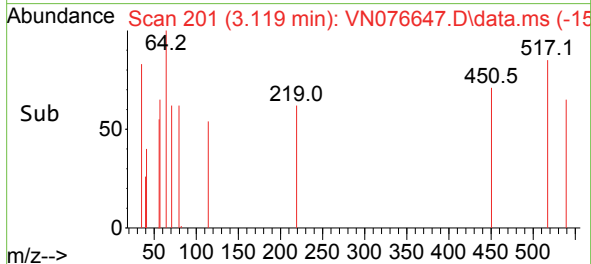
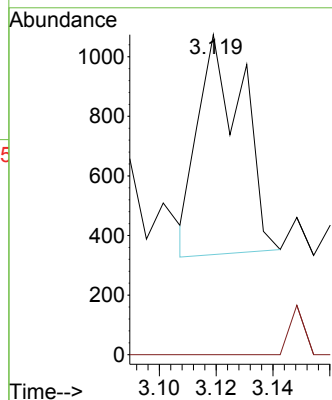
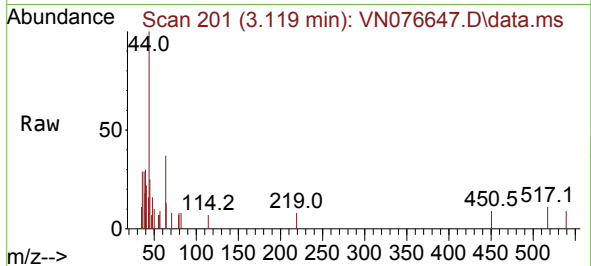




#6
Chloroethane
Concen: 0.248 ug/l
RT: 3.119 min Scan# 202
Delta R.T. -0.006 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

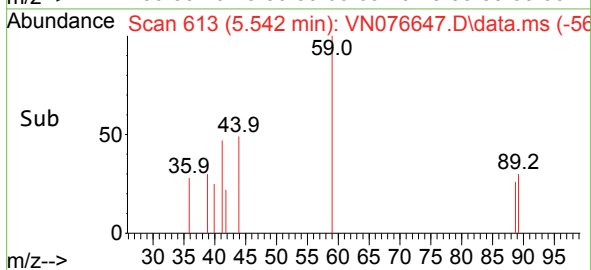
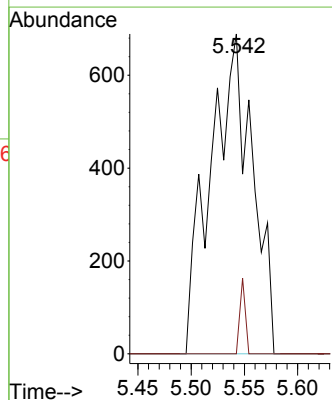
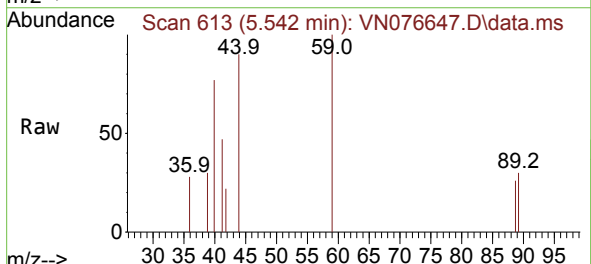
Instrument :
MSVOA_N
ClientSampleId :
JPP-55-020823

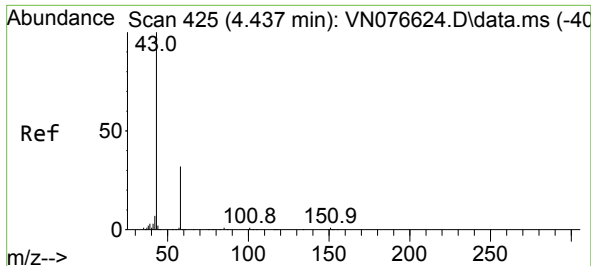
Tgt Ion: 64 Resp: 802
Ion Ratio Lower Upper
64 100
66 0.0 24.6 37.0#



#11
Tert butyl alcohol
Concen: 2.753 ug/l
RT: 5.542 min Scan# 613
Delta R.T. 0.006 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

Tgt Ion: 59 Resp: 1880
Ion Ratio Lower Upper
59 100
57 3.1 8.7 13.1#

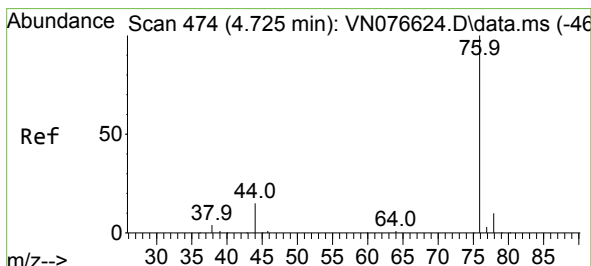
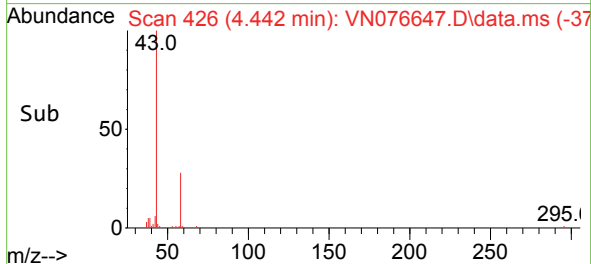
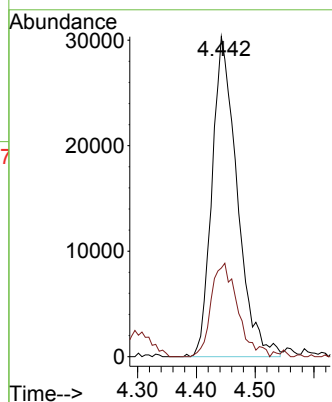
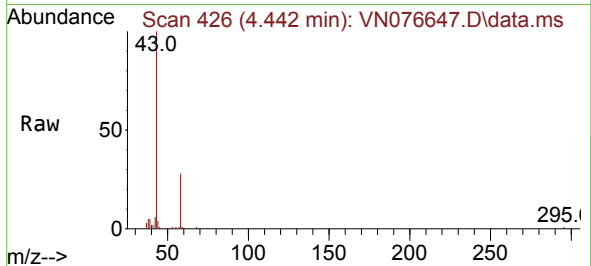




#16
Acetone
Concen: 38.966 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

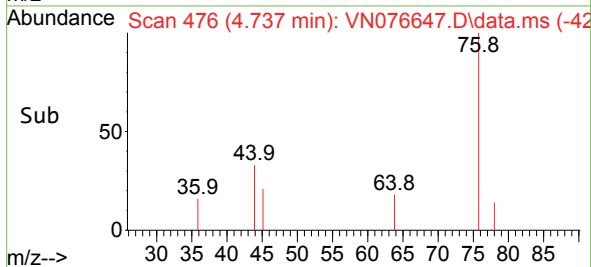
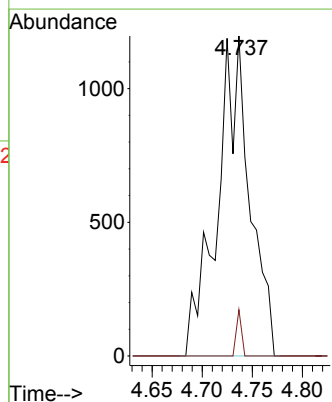
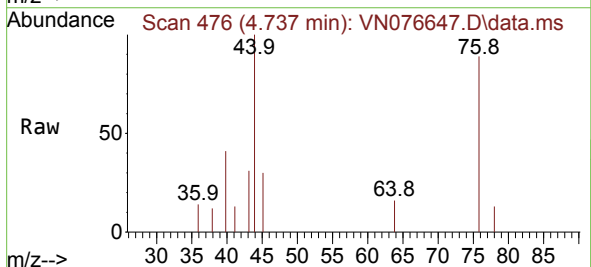
Instrument :
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ClientSampleId :
JPP-55-020823

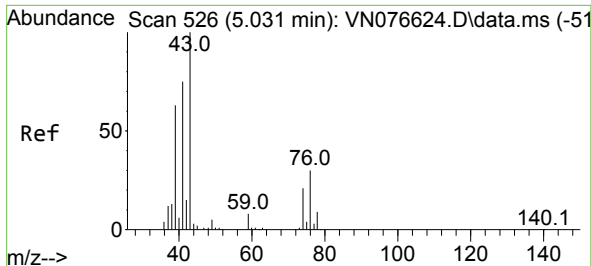
Tgt Ion: 43 Resp: 90043
Ion Ratio Lower Upper
43 100
58 27.7 25.9 38.9



#17
Carbon Disulfide
Concen: 0.265 ug/l
RT: 4.737 min Scan# 476
Delta R.T. 0.012 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

Tgt Ion: 76 Resp: 2710
Ion Ratio Lower Upper
76 100
78 14.5 7.8 11.8#

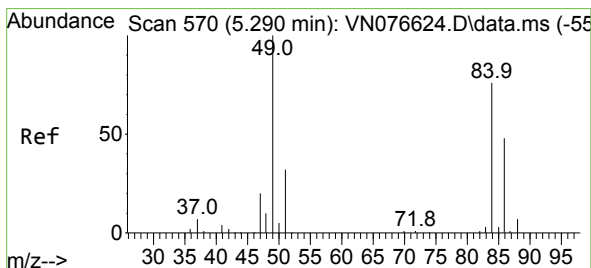
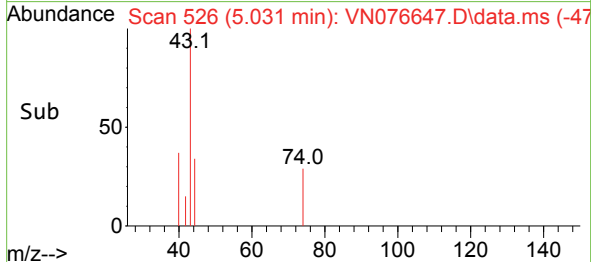
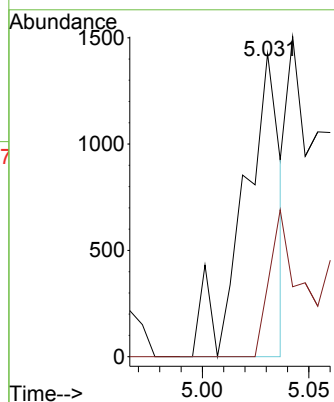
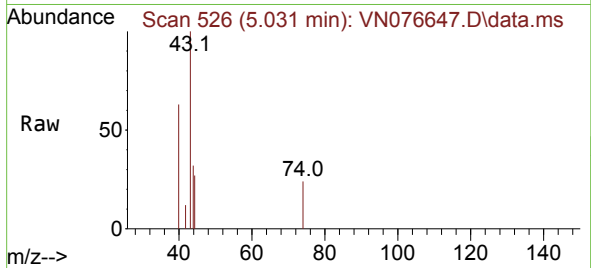




#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 5.031 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

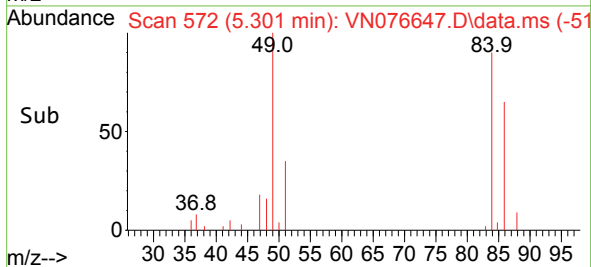
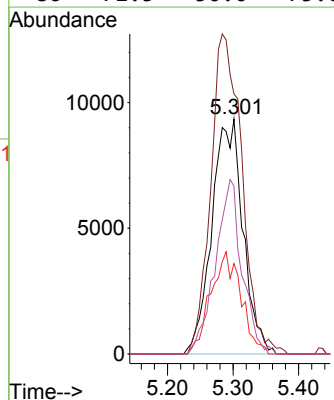
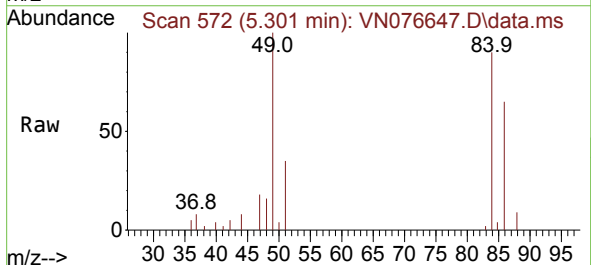
Instrument :
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ClientSampleId :
JPP-55-020823

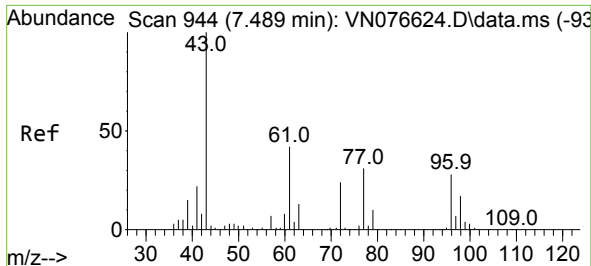
Tgt Ion: 43 Resp: 1688
Ion Ratio Lower Upper
43 100
74 60.1 17.7 26.5#



#20
Methylene Chloride
Concen: 6.343 ug/l
RT: 5.301 min Scan# 572
Delta R.T. 0.012 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

Tgt Ion: 84 Resp: 30718
Ion Ratio Lower Upper
84 100
49 110.7 104.9 157.3
51 38.5 33.8 50.8
86 71.5 50.0 75.0

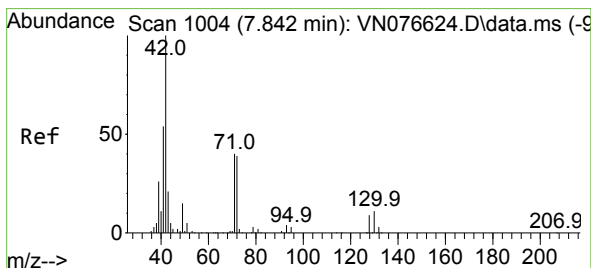
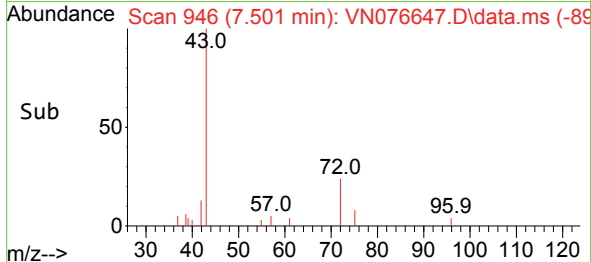
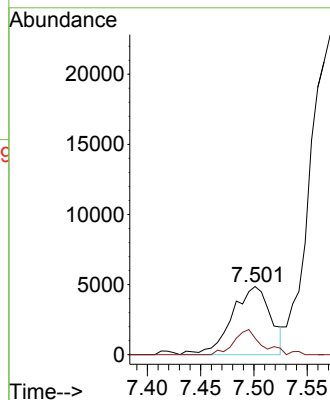
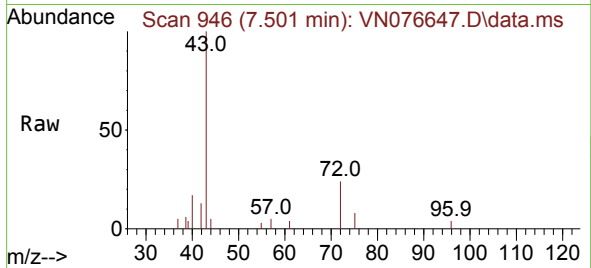




#25
2-Butanone
Concen: 3.617 ug/l
RT: 7.501 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

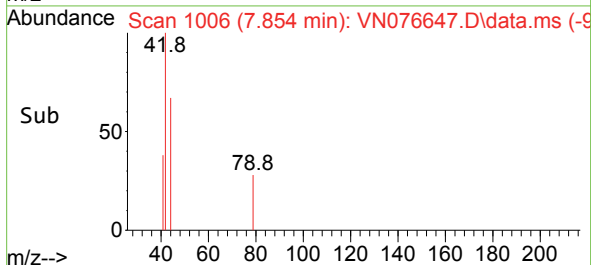
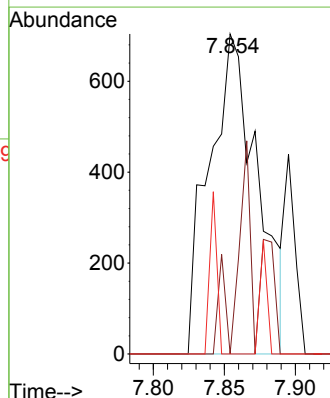
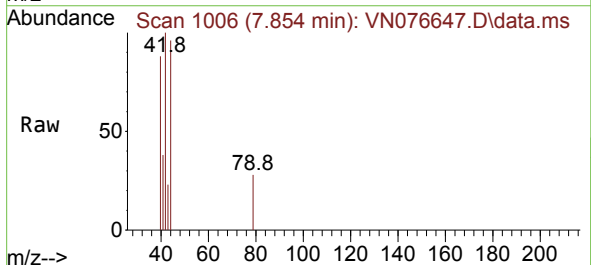
Instrument :
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ClientSampleId :
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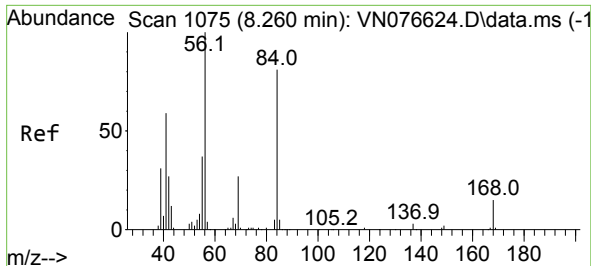
Tgt Ion: 43 Resp: 12329
Ion Ratio Lower Upper
43 100
72 24.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.747 ug/l
RT: 7.854 min Scan# 1006
Delta R.T. 0.012 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

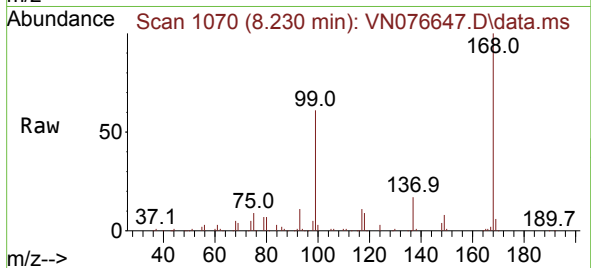
Tgt Ion: 42 Resp: 1663
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 7.6 29.8 44.8#



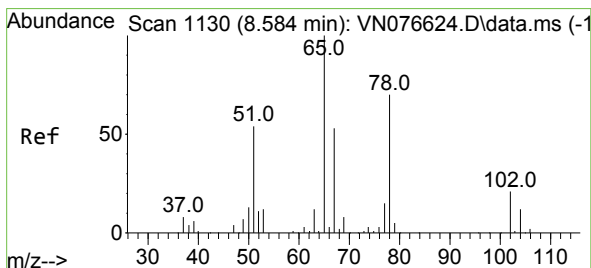
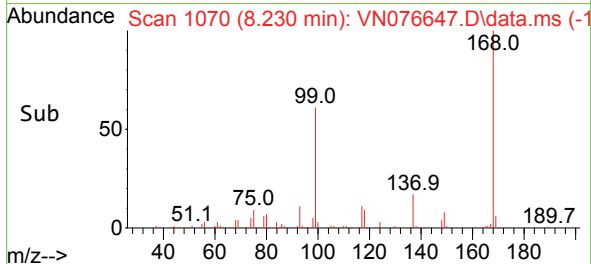
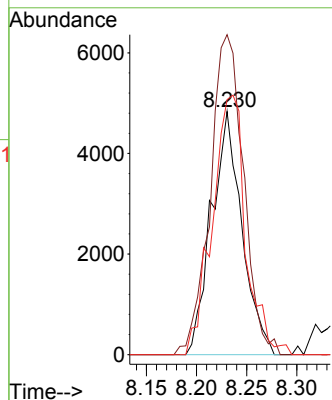


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.030 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

Instrument :
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ClientSampleId :
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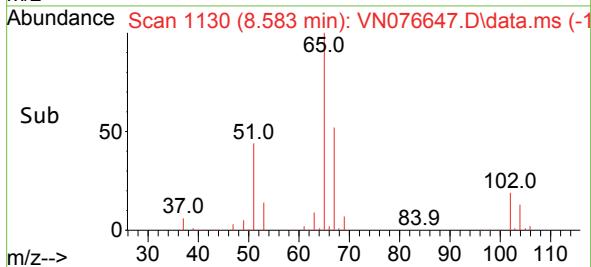
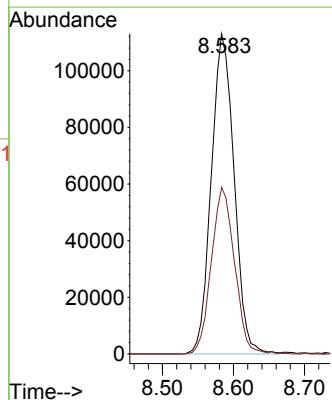
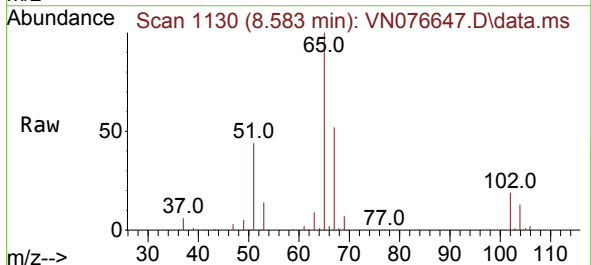


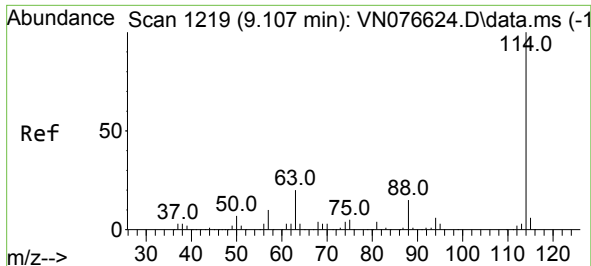
Tgt Ion: 56 Resp: 10213
Ion Ratio Lower Upper
56 100
69 131.6 21.6 32.4#
84 104.8 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 48.658 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

Tgt Ion: 65 Resp: 251719
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6

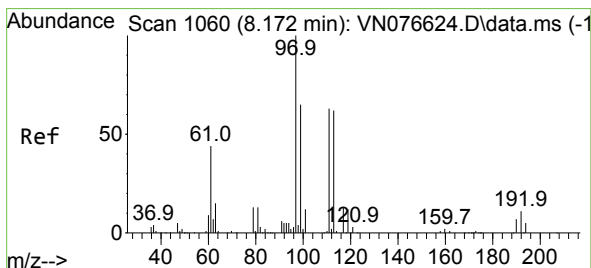
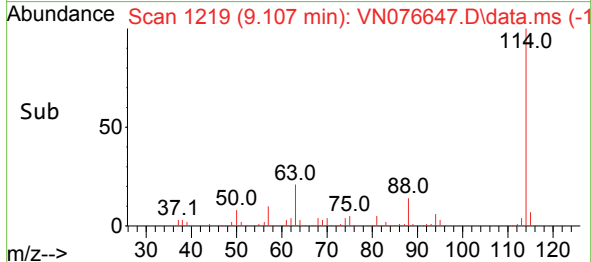
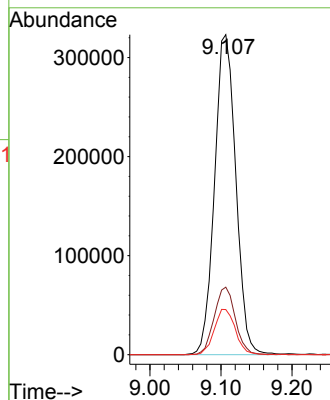
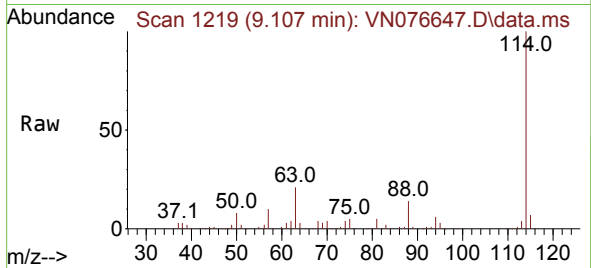




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

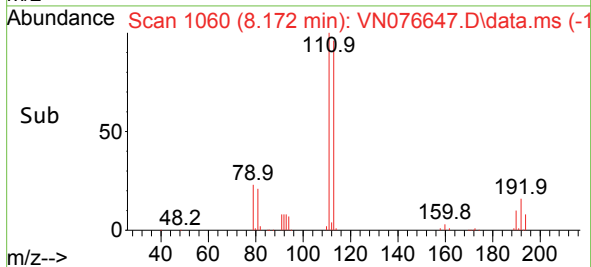
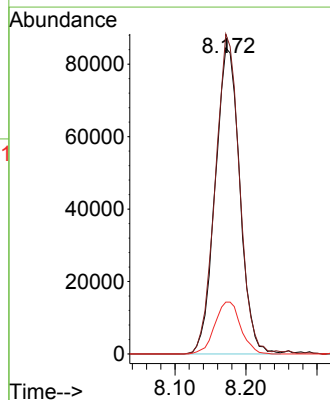
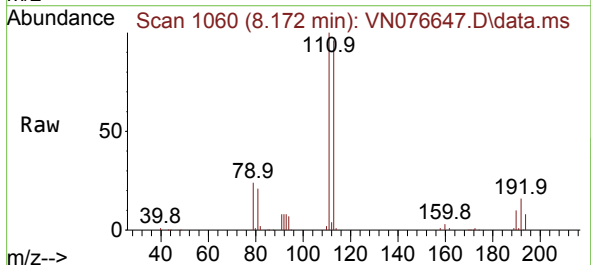
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MSVOA_N
ClientSampleId :
JPP-55-020823

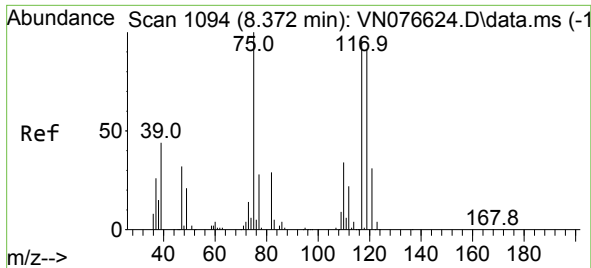
Tgt Ion:114 Resp: 670730
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.0
88 14.1 0.0 29.6



#35
Dibromofluoromethane
Concen: 46.301 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

Tgt Ion:113 Resp: 203375
Ion Ratio Lower Upper
113 100
111 102.9 83.1 124.7
192 17.8 15.6 23.4

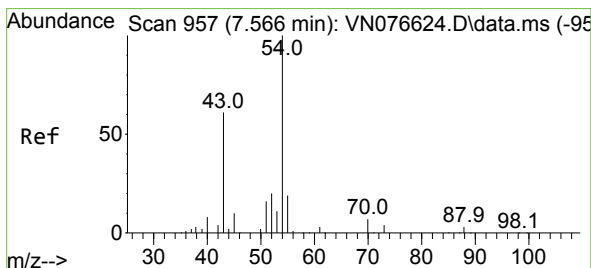
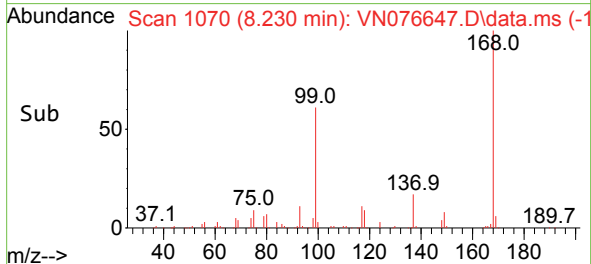
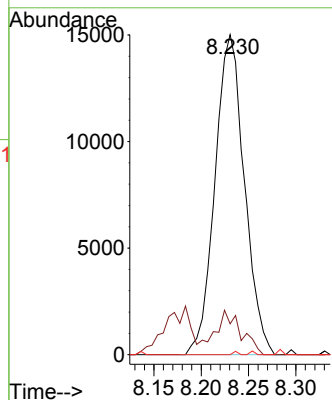
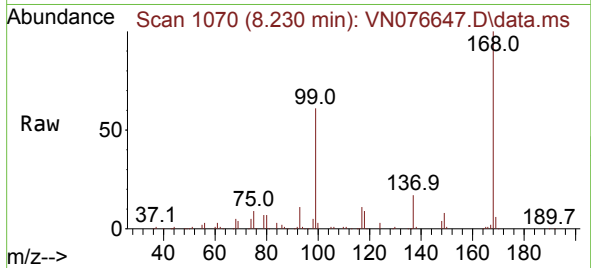




#36
1,1-Dichloropropene
Concen: 5.117 ug/l
RT: 8.230 min Scan# 1094
Delta R.T. -0.141 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

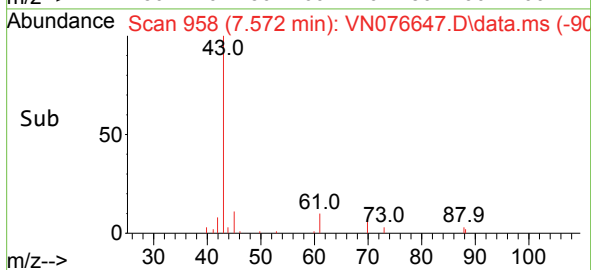
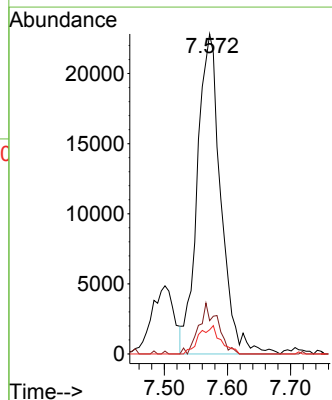
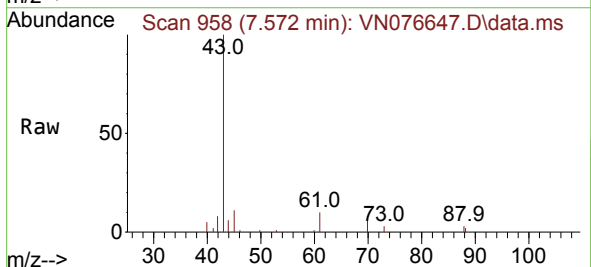
Instrument :
MSVOA_N
ClientSampleId :
JPP-55-020823

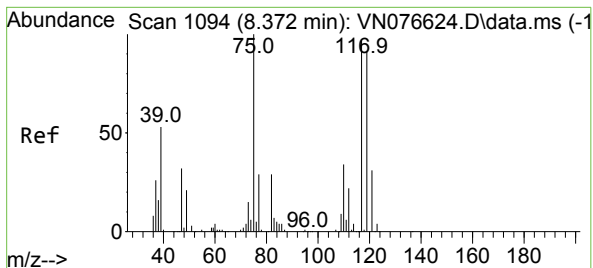
Tgt Ion: 75 Resp: 32472
Ion Ratio Lower Upper
75 100
110 11.1 17.5 52.5#
77 0.2 24.5 36.7#



#37
Ethyl Acetate
Concen: 8.840 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

Tgt Ion: 43 Resp: 59029
Ion Ratio Lower Upper
43 100
61 12.8 9.9 14.9
70 8.1 7.8 11.6





#38

Carbon Tetrachloride

Concen: 6.218 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.141 min

Lab File: VN076647.D

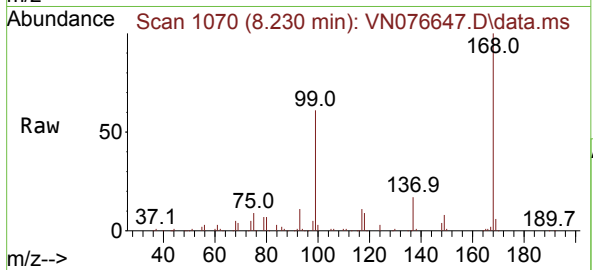
Acq: 13 Feb 2023 23:08

Instrument :

MSVOA_N

ClientSampleId :

JPP-55-020823



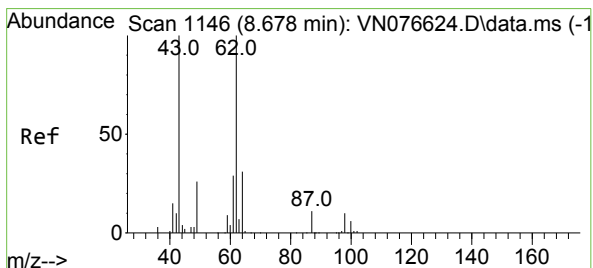
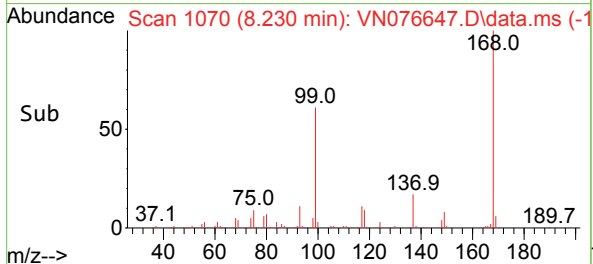
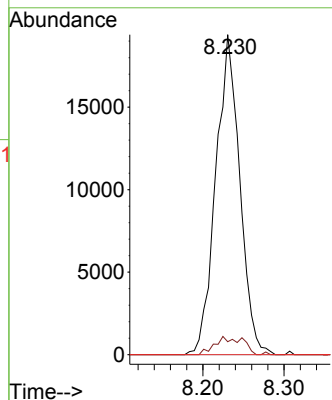
Tgt Ion:117 Resp: 39808

Ion Ratio Lower Upper

117 100

119 4.0 75.4 113.0#

121 0.0 26.0 39.0#



#42

1,2-Dichloroethane

Concen: 0.273 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. 0.012 min

Lab File: VN076647.D

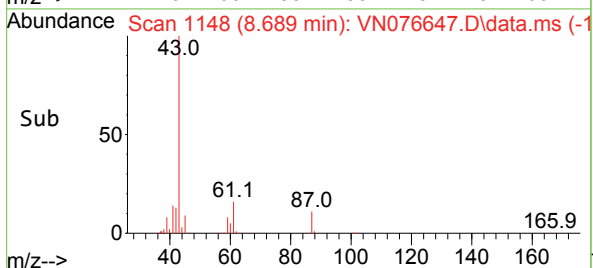
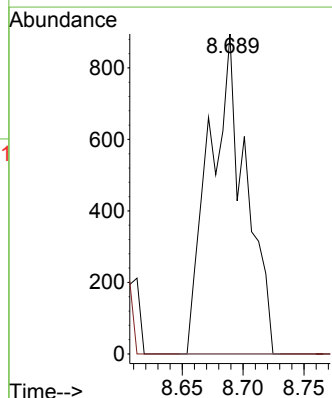
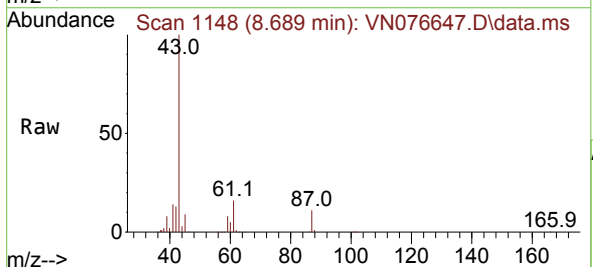
Acq: 13 Feb 2023 23:08

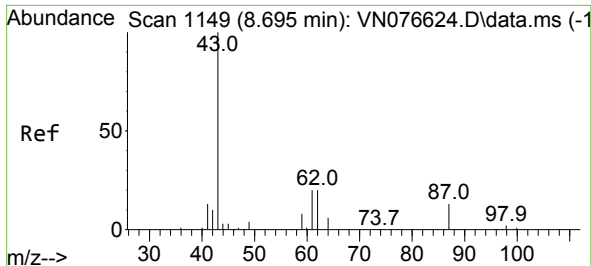
Tgt Ion: 62 Resp: 1857

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.2

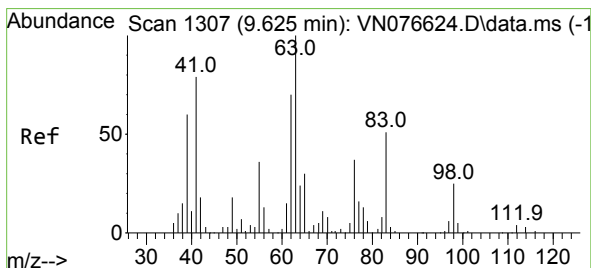
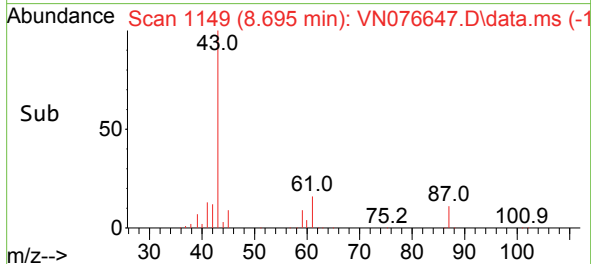
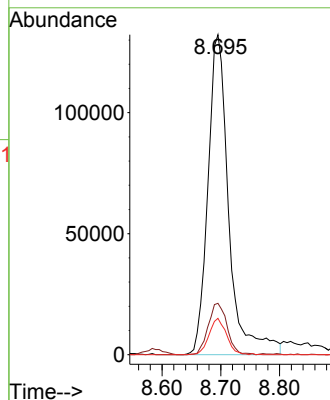
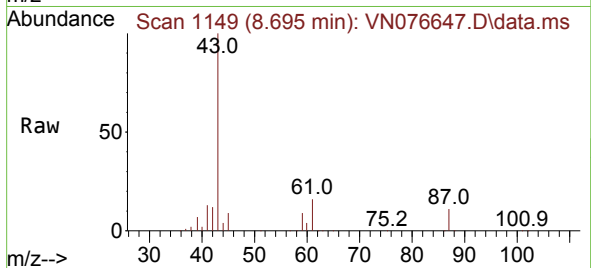




#43
Isopropyl Acetate
Concen: 29.996 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

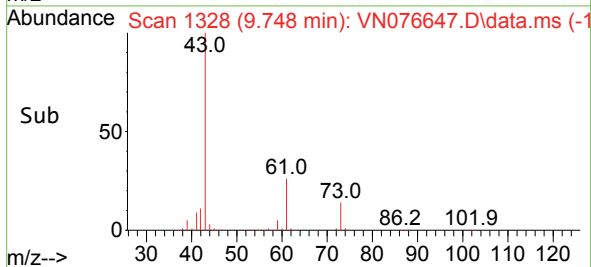
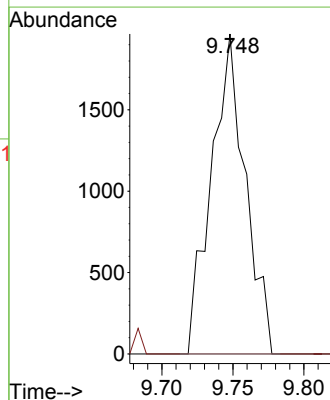
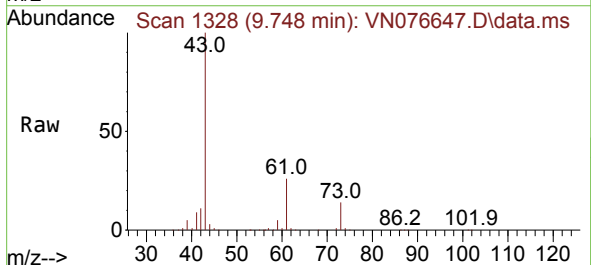
Instrument :
MSVOA_N
ClientSampleId :
JPP-55-020823

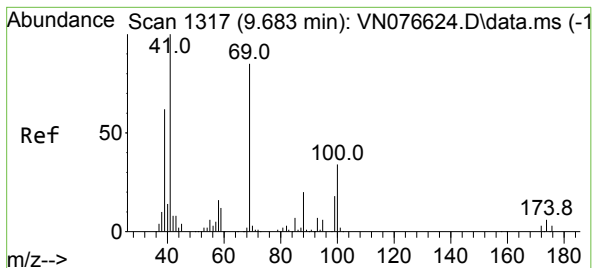
Tgt Ion: 43 Resp: 325919
Ion Ratio Lower Upper
43 100
61 14.5 20.0 30.0#
87 9.4 9.9 14.9#



#45
1,2-Dichloropropane
Concen: 0.636 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.123 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

Tgt Ion: 63 Resp: 3280
Ion Ratio Lower Upper
63 100
65 0.0 24.2 36.2#





#48

Methyl methacrylate

Concen: 1.562 ug/l

RT: 9.666 min Scan# 1314

Delta R.T. -0.018 min

Lab File: VN076647.D

Acq: 13 Feb 2023 23:08

Instrument :

MSVOA_N

ClientSampleId :

JPP-55-020823

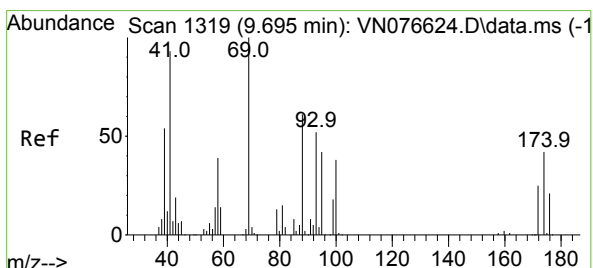
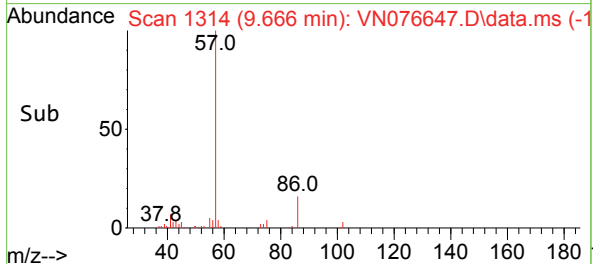
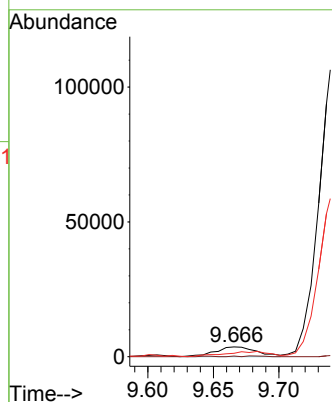
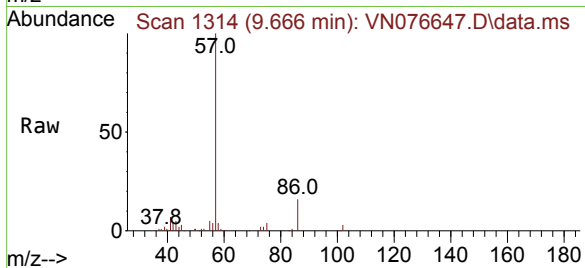
Tgt Ion: 41 Resp: 8055

Ion Ratio Lower Upper

41 100

69 4.0 65.4 98.0#

39 57.3 49.3 73.9



#49

1,4-Dioxane

Concen: 0.706 ug/l

RT: 9.683 min Scan# 1317

Delta R.T. -0.012 min

Lab File: VN076647.D

Acq: 13 Feb 2023 23:08

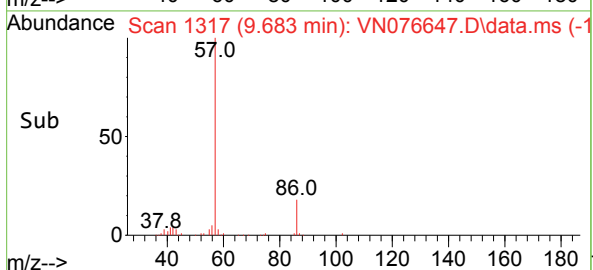
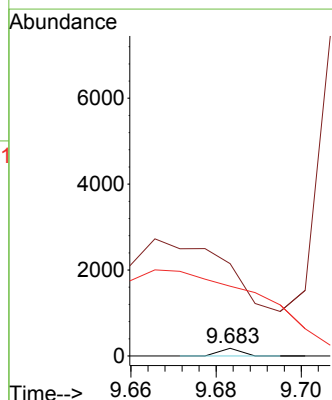
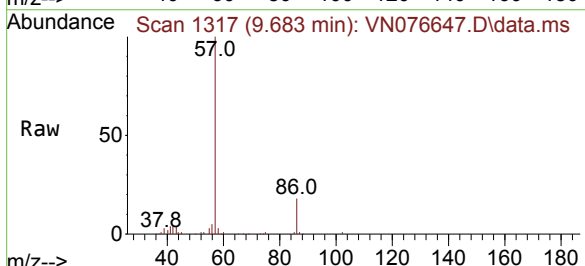
Tgt Ion: 88 Resp: 63

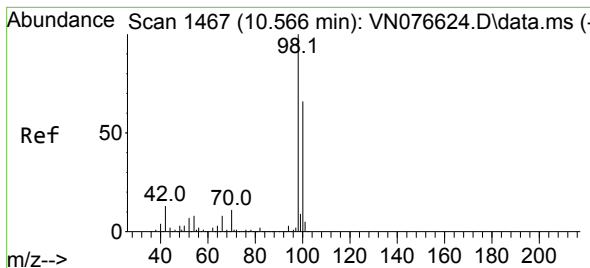
Ion Ratio Lower Upper

88 100

43 0.0 22.6 33.8#

58 8530.2 57.6 86.4#

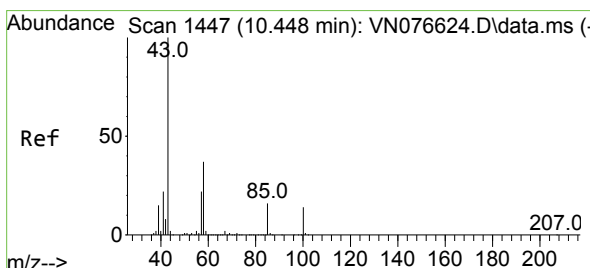
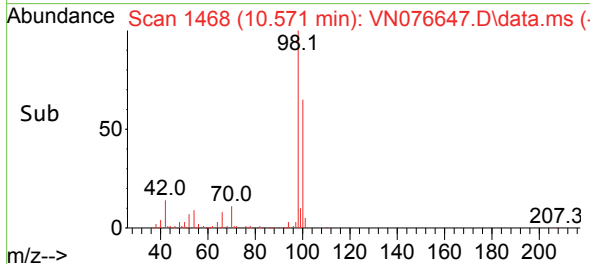
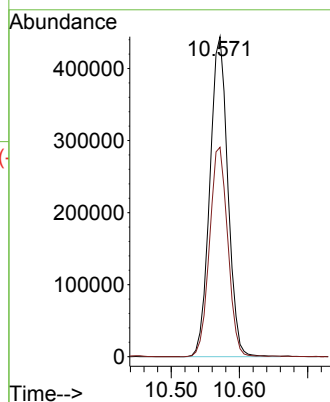
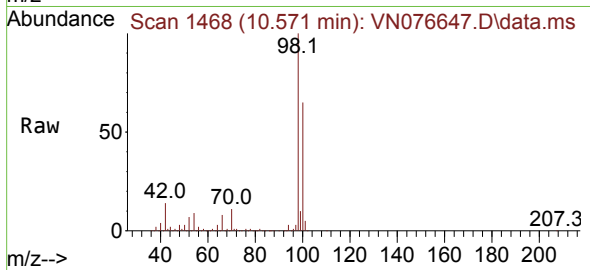




#50
Toluene-d8
Concen: 49.693 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

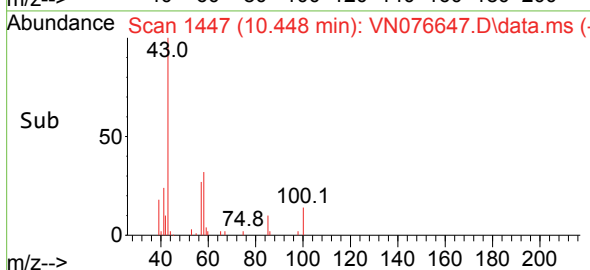
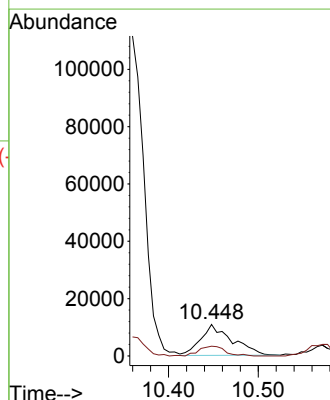
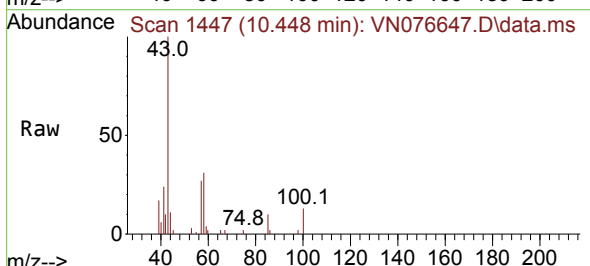
Instrument :
MSVOA_N
ClientSampleId :
JPP-55-020823

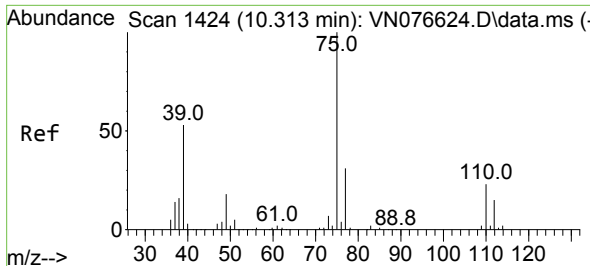
Tgt Ion: 98 Resp: 815164
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 3.766 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

Tgt Ion: 43 Resp: 26033
Ion Ratio Lower Upper
43 100
58 26.7 29.5 44.3#

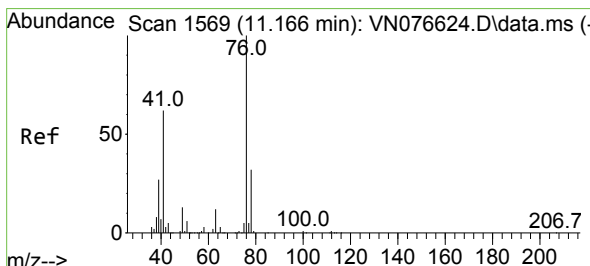
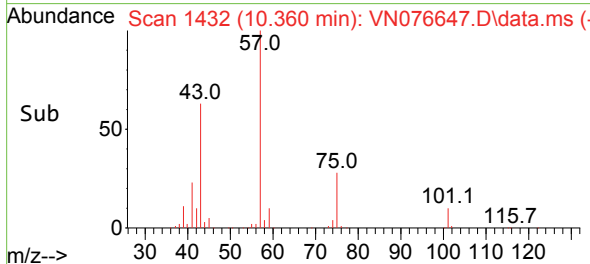
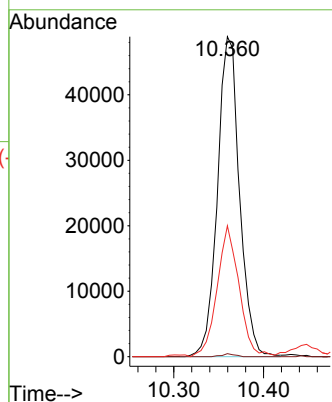
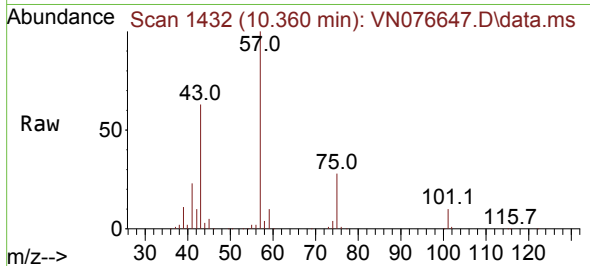




#54
 cis-1,3-Dichloropropene
 Concen: 11.328 ug/l
 RT: 10.360 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076647.D
 Acq: 13 Feb 2023 23:08

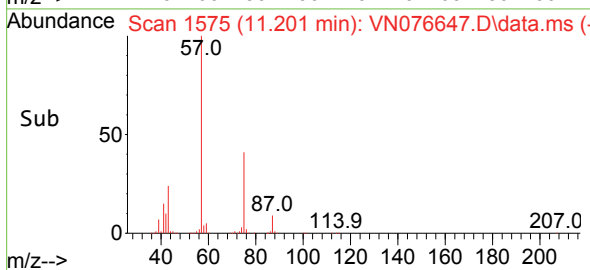
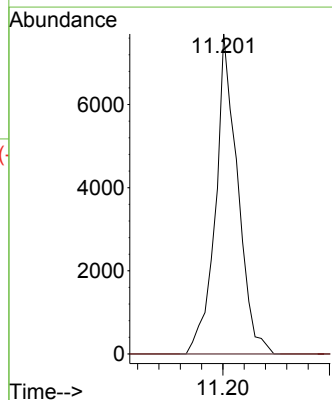
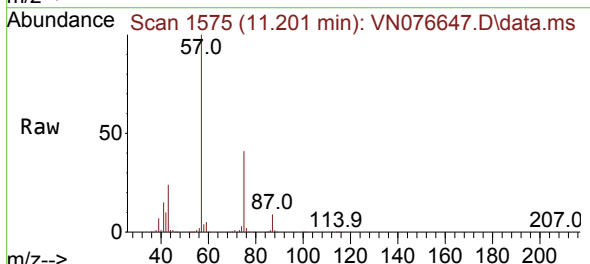
Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-55-020823

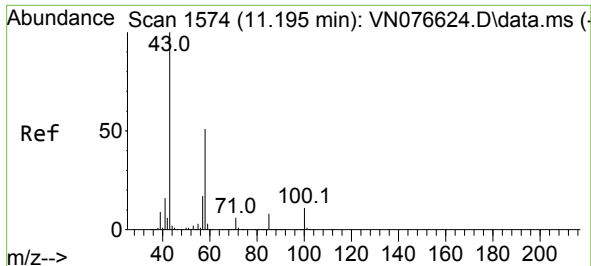
Tgt Ion: 75 Resp: 83398
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.1 37.7#
 39 40.4 42.3 63.5#



#57
 1,3-Dichloropropane
 Concen: 1.349 ug/l
 RT: 11.201 min Scan# 1575
 Delta R.T. 0.035 min
 Lab File: VN076647.D
 Acq: 13 Feb 2023 23:08

Tgt Ion: 76 Resp: 11086
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 46.381 ug/l

RT: 11.171 min Scan# 11

Delta R.T. -0.024 min

Lab File: VN076647.D

Acq: 13 Feb 2023 23:08

Instrument :

MSVOA_N

ClientSampleId :

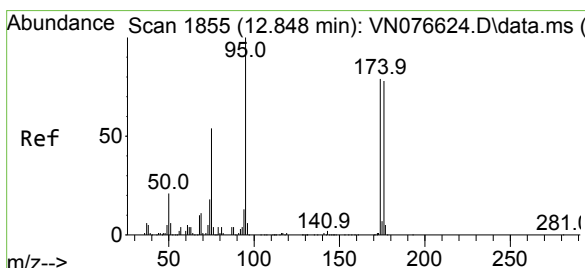
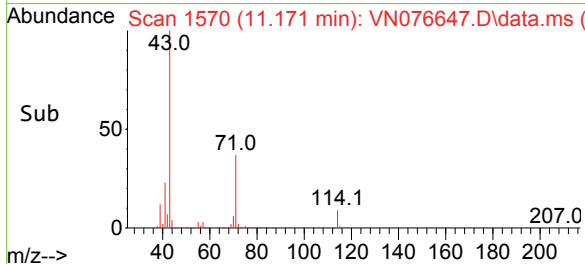
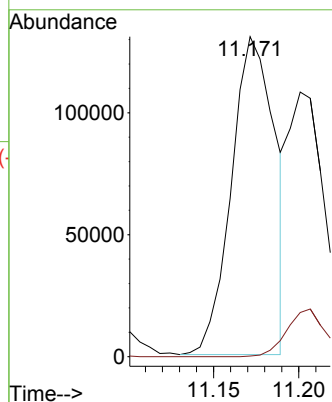
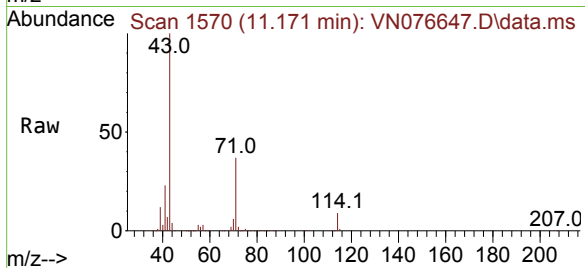
JPP-55-020823

Tgt Ion: 43 Resp: 231193

Ion Ratio Lower Upper

43 100

58 0.0 25.4 76.0#



#62

4-Bromofluorobenzene

Concen: 47.632 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN076647.D

Acq: 13 Feb 2023 23:08

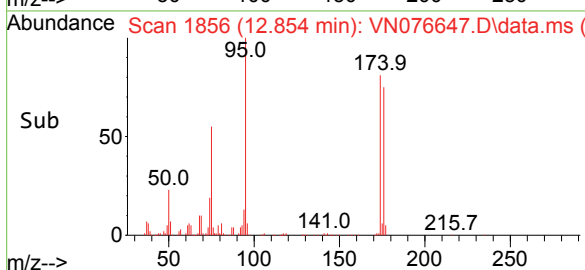
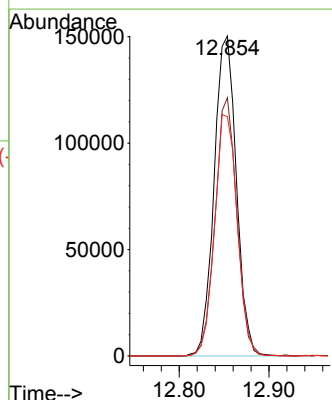
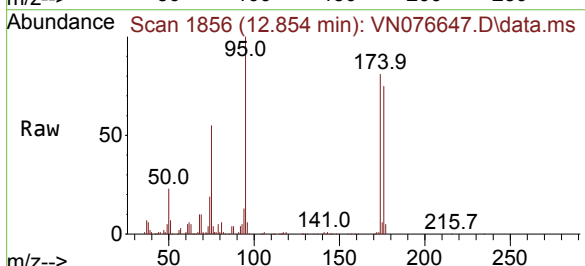
Tgt Ion: 95 Resp: 258787

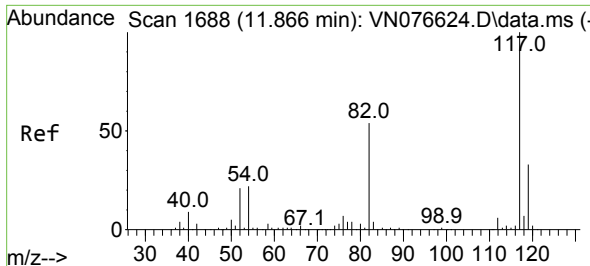
Ion Ratio Lower Upper

95 100

174 78.6 0.0 169.2

176 76.7 0.0 163.4

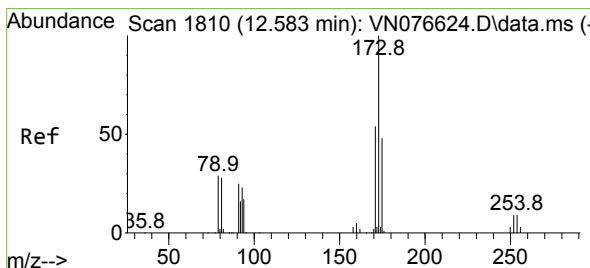
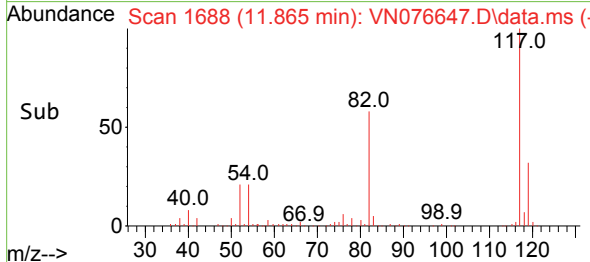
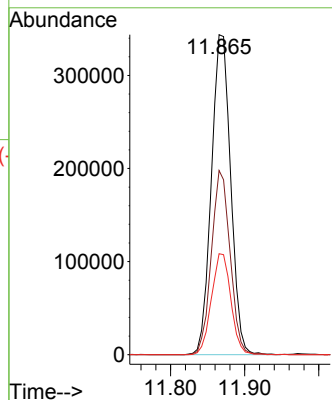
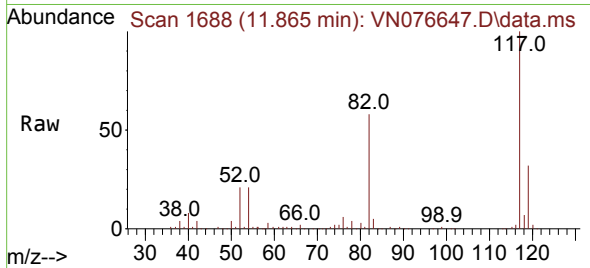




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

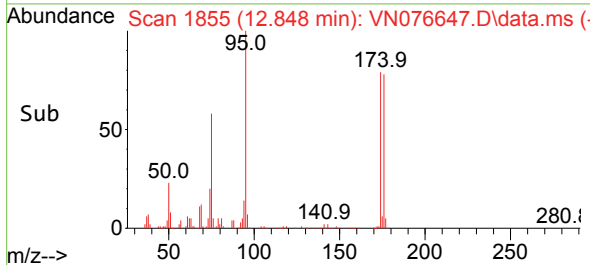
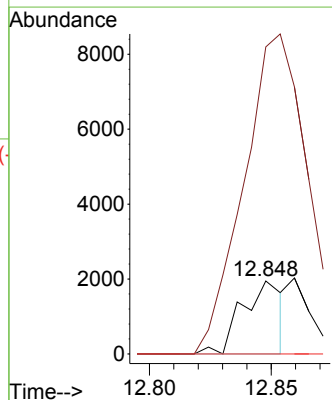
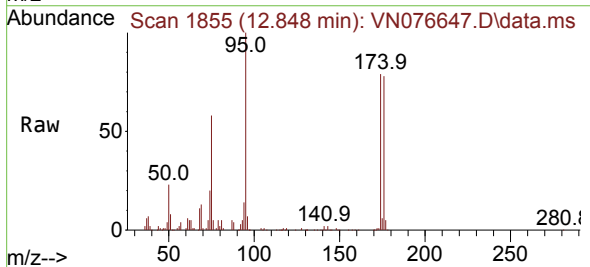
Instrument :
MSVOA_N
ClientSampleId :
JPP-55-020823

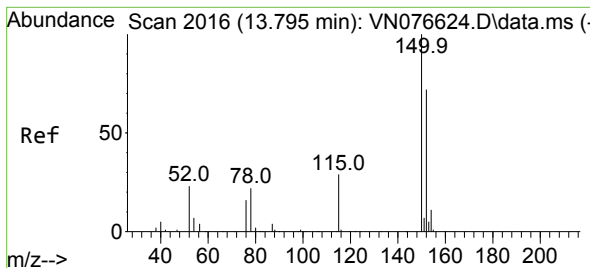
Tgt Ion:117 Resp: 621931
Ion Ratio Lower Upper
117 100
82 57.6 43.4 65.2
119 31.5 26.1 39.1



#71
Bromoform
Concen: 0.635 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.264 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

Tgt Ion:173 Resp: 2229
Ion Ratio Lower Upper
173 100
175 567.7 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: VN076647.D

Acq: 13 Feb 2023 23:08

Instrument :

MSVOA_N

ClientSampleId :

JPP-55-020823

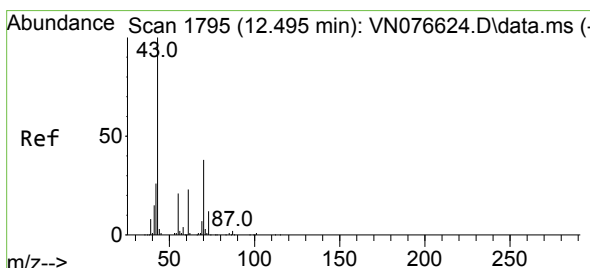
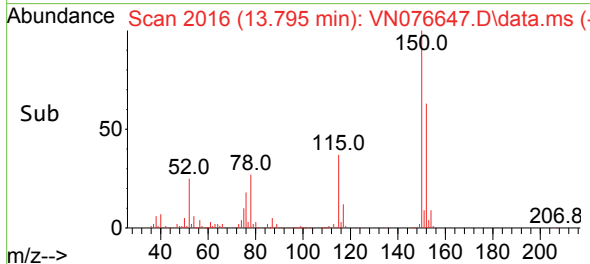
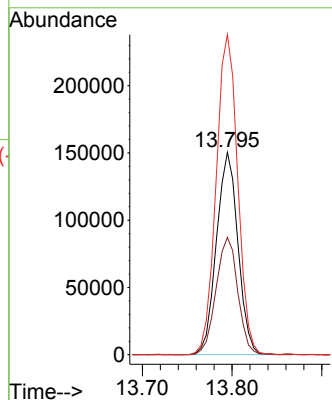
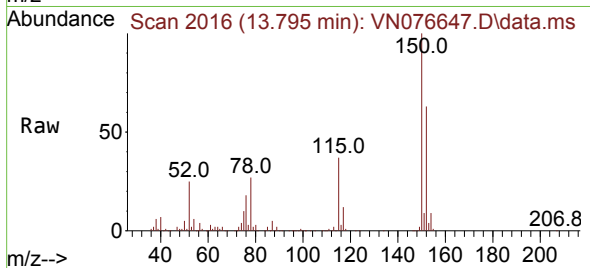
Tgt Ion:152 Resp: 250254

Ion Ratio Lower Upper

152 100

115 58.5 29.3 87.9

150 158.2 0.0 349.8



#74

N-ethyl acetate

Concen: 0.229 ug/l

RT: 12.465 min Scan# 1790

Delta R.T. -0.030 min

Lab File: VN076647.D

Acq: 13 Feb 2023 23:08

Tgt Ion: 43 Resp: 1892

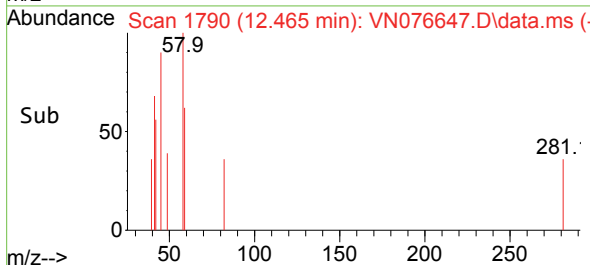
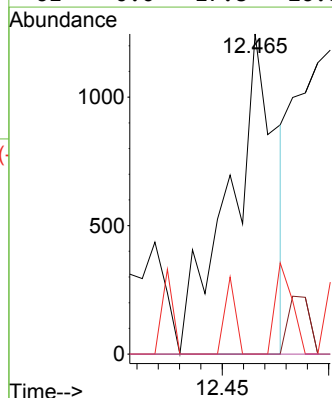
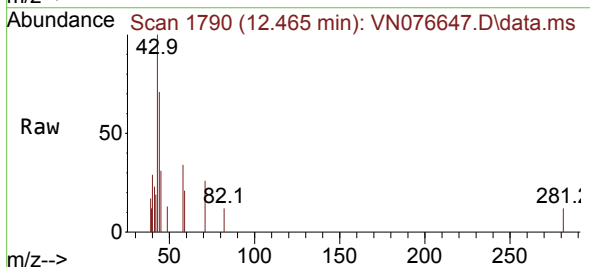
Ion Ratio Lower Upper

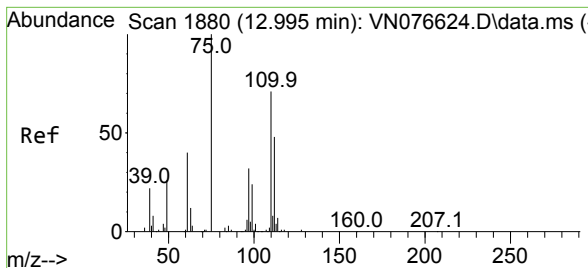
43 100

70 8.3 30.5 45.7#

55 10.5 17.8 26.8#

61 0.0 17.8 26.8#





#76

1,2,3-Trichloropropane

Concen: 27.956 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. -0.147 min

Lab File: VN076647.D

Acq: 13 Feb 2023 23:08

Instrument :

MSVOA_N

ClientSampleId :

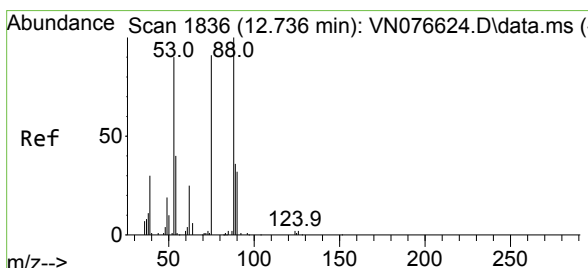
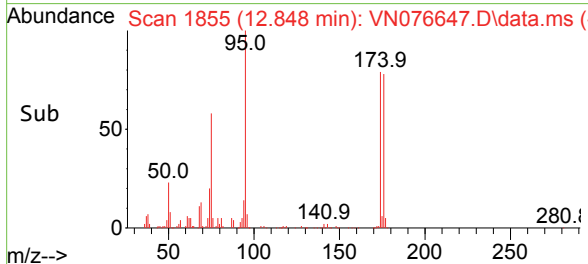
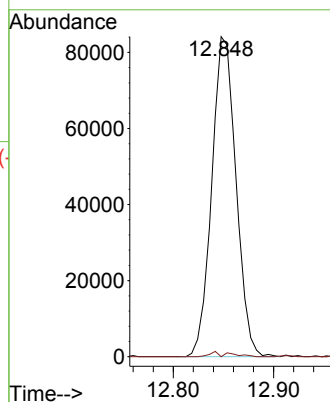
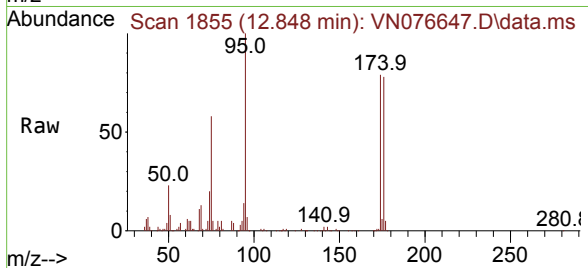
JPP-55-020823

Tgt Ion: 75 Resp: 141443

Ion Ratio Lower Upper

75 100

77 0.5 93.1 279.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.425 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. 0.112 min

Lab File: VN076647.D

Acq: 13 Feb 2023 23:08

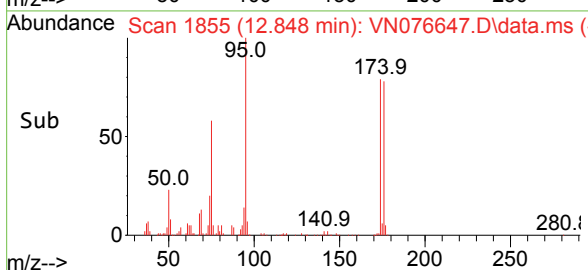
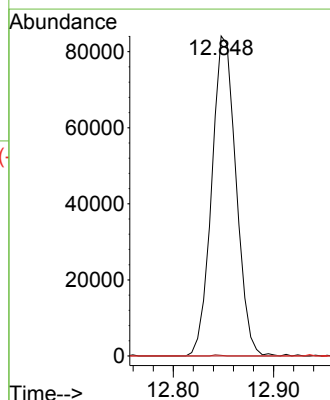
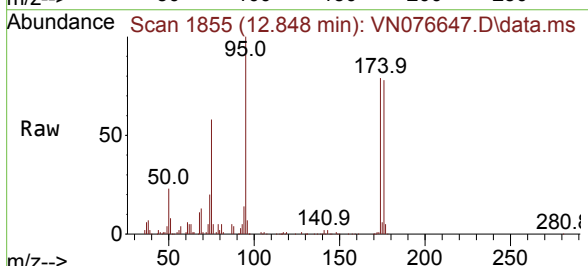
Tgt Ion: 75 Resp: 141443

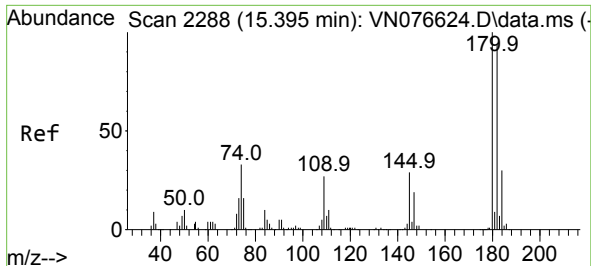
Ion Ratio Lower Upper

75 100

53 0.1 92.1 138.1#

89 0.0 37.5 56.3#

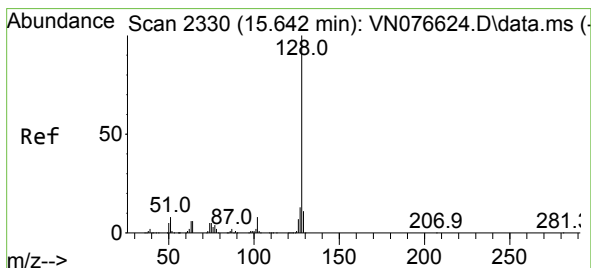
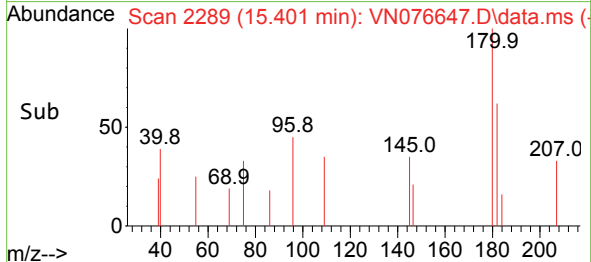
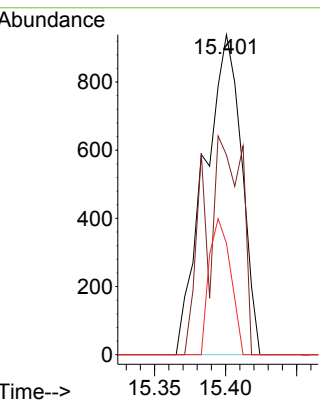
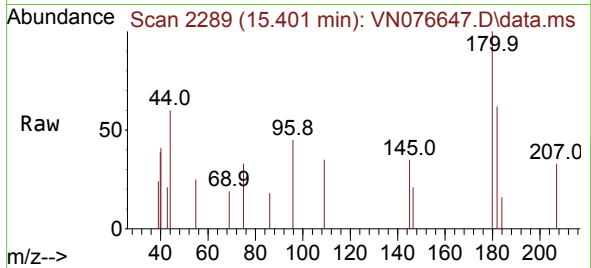




#93
1,2,4-Trichlorobenzene
Concen: 0.386 ug/l
RT: 15.401 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

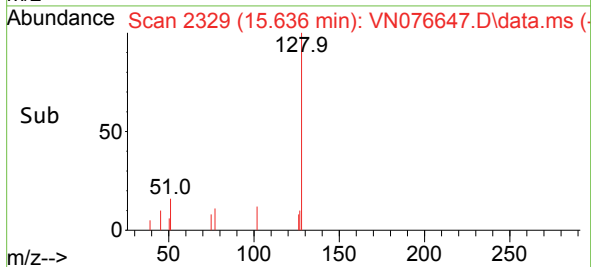
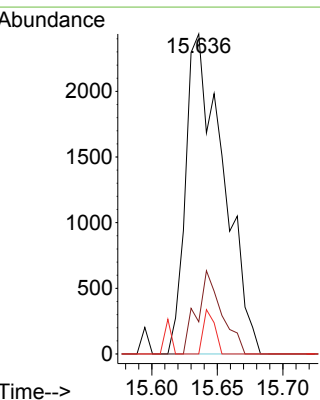
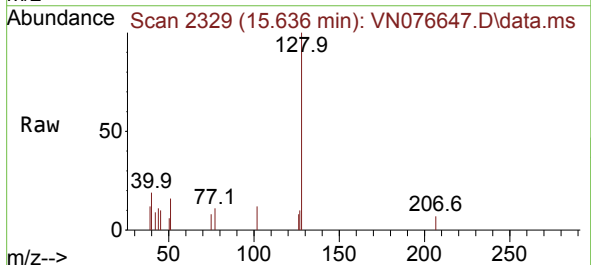
Instrument :
MSVOA_N
ClientSampleId :
JPP-55-020823

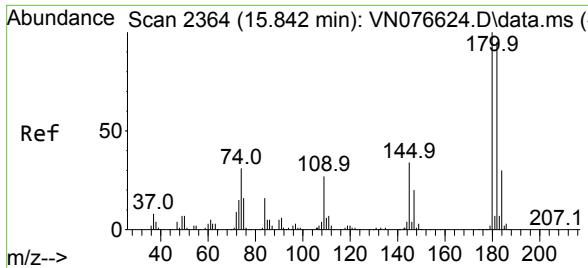
Tgt Ion:180 Resp: 1708
Ion Ratio Lower Upper
180 100
182 67.8 48.0 144.0
145 24.5 15.2 45.6



#95
Naphthalene
Concen: 0.359 ug/l
RT: 15.636 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN076647.D
Acq: 13 Feb 2023 23:08

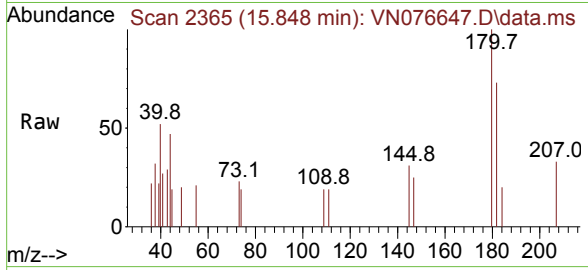
Tgt Ion:128 Resp: 4823
Ion Ratio Lower Upper
128 100
127 17.2 10.6 16.0#
129 4.2 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.364 ug/l
 RT: 15.848 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076647.D
 Acq: 13 Feb 2023 23:08

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-55-020823



Tgt Ion:180 Resp: 1562
 Ion Ratio Lower Upper
 180 100
 182 61.8 46.7 140.1
 145 31.0 16.0 47.9

