

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022823\
 Data File : VN076835.D
 Acq On : 28 Feb 2023 18:09
 Operator : JC\MD
 Sample : 01703-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T2-STONE

Quant Time: Mar 01 01:31:32 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)

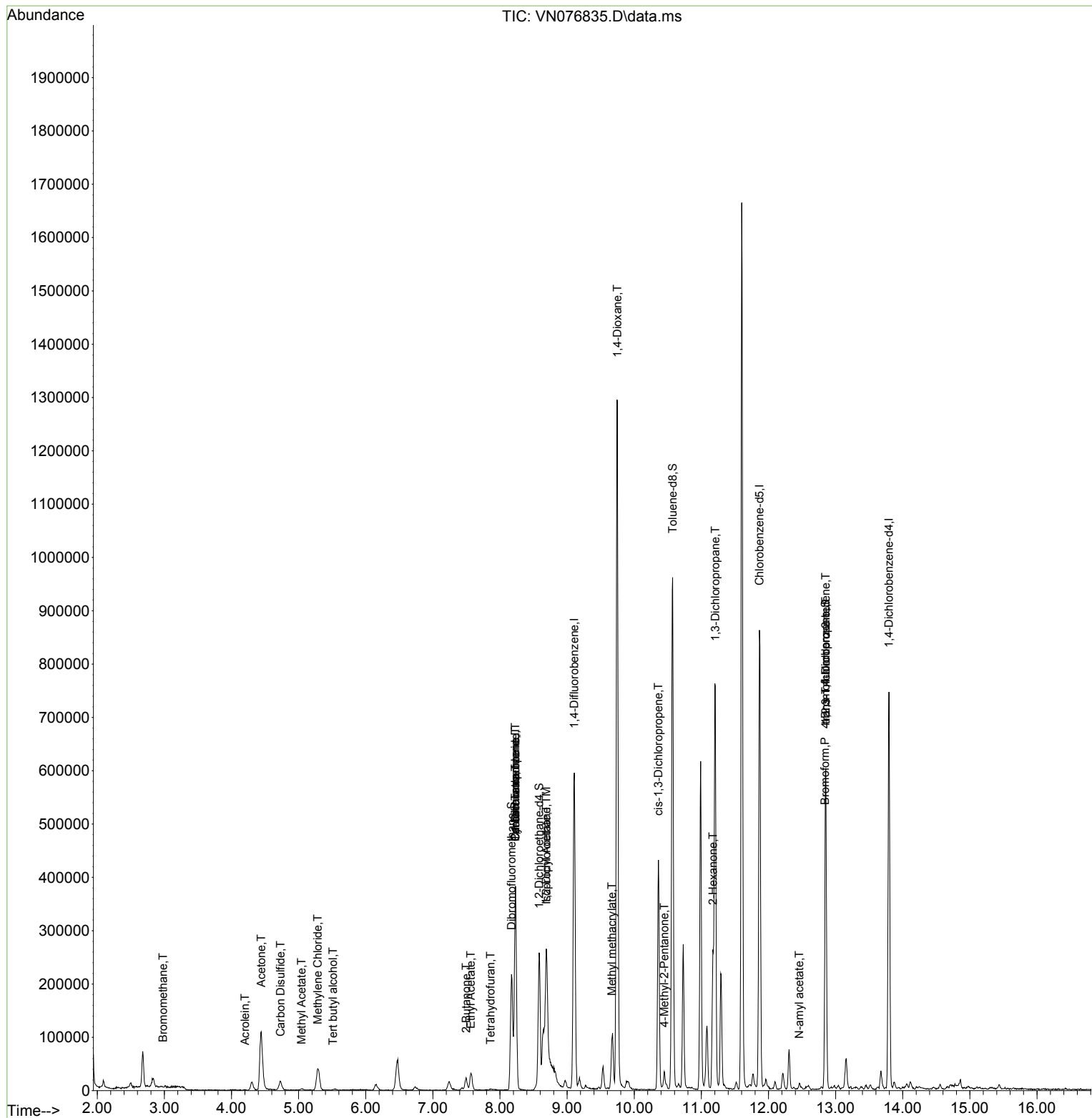
Internal Standards						
1) Pentafluorobenzene	8.230	168	264925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	498461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	477946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	185415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	195461	53.431	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 106.860%		
35) Dibromofluoromethane	8.172	113	153139	46.913	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 93.820%		
50) Toluene-d8	10.571	98	637249	52.273	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 104.540%		
62) 4-Bromofluorobenzene	12.848	95	197119	48.820	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 97.640%		
Target Compounds						Qvalue
5) Bromomethane	2.978	94	636	0.291	ug/l #	54
11) Tert butyl alcohol	5.513	59	739	1.530	ug/l #	92
13) Acrolein	4.201	56	1194	1.647	ug/l #	64
16) Acetone	4.442	43	212868	130.267	ug/l	96
17) Carbon Disulfide	4.731	76	27800	3.850	ug/l #	93
18) Methyl Acetate	5.042	43	5915	1.109	ug/l #	68
20) Methylene Chloride	5.284	84	29667	8.663	ug/l	95
25) 2-Butanone	7.495	43	35884	14.887	ug/l #	84
29) Tetrahydrofuran	7.860	42	2078	1.320	ug/l #	44
31) Cyclohexane	8.230	56	7521	1.311	ug/l #	15
36) 1,1-Dichloropropene	8.230	75	25590	5.426	ug/l #	51
37) Ethyl Acetate	7.566	43	52689	10.618	ug/l	97
38) Carbon Tetrachloride	8.230	117	27014	5.678	ug/l #	16
42) 1,2-Dichloroethane	8.689	62	1802	0.357	ug/l	84
43) Isopropyl Acetate	8.689	43	483717	59.905	ug/l #	72
48) Methyl methacrylate	9.666	41	9615	2.509	ug/l #	44
49) 1,4-Dioxane	9.748	88	76	1.147	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	27150	5.285	ug/l	88
54) cis-1,3-Dichloropropene	10.360	75	70557	12.896	ug/l #	67
57) 1,3-Dichloropropane	11.207	76	7925	1.297	ug/l #	42
59) 2-Hexanone	11.171	43	208986	56.416	ug/l #	27
71) Bromoform	12.842	173	1049	0.389	ug/l #	1
74) N-amyl acetate	12.460	43	8226	1.343	ug/l #	53
76) 1,2,3-Trichloropropane	12.854	75	109916	29.322	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	109916	85.403	ug/l #	4

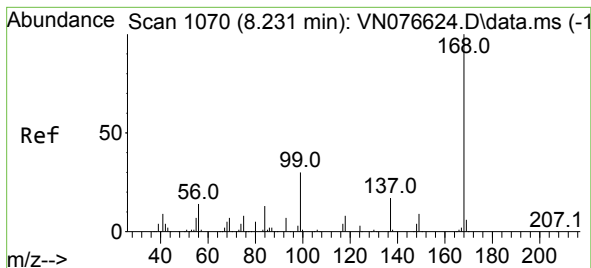
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 14 01:44:47 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN076835.D

Acq: 28 Feb 2023 18:09

Instrument :

MSVOA_N

ClientSampleId :

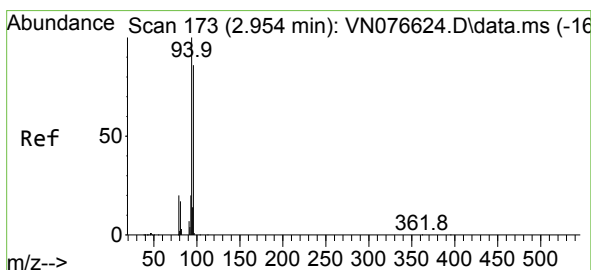
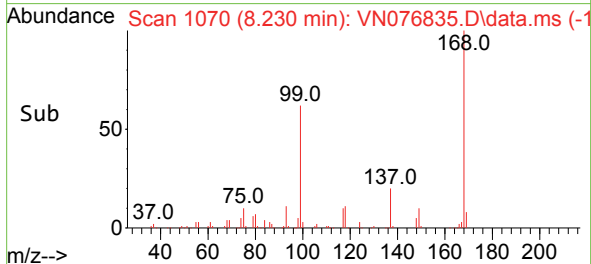
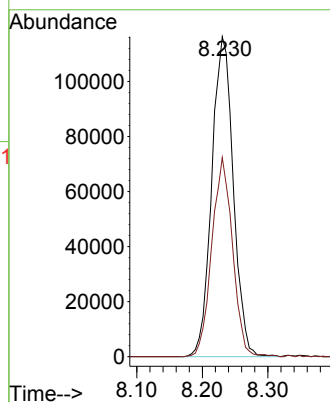
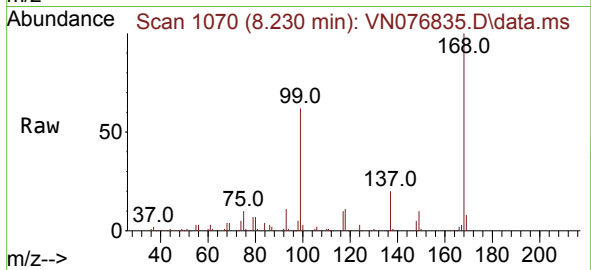
T2-STONE

Tgt Ion:168 Resp: 264925

Ion Ratio Lower Upper

168 100

99 62.2 44.8 67.2



#5

Bromomethane

Concen: 0.291 ug/l

RT: 2.978 min Scan# 177

Delta R.T. 0.024 min

Lab File: VN076835.D

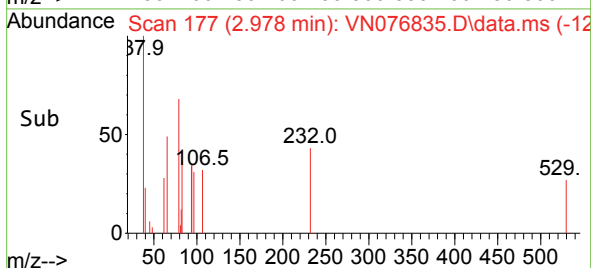
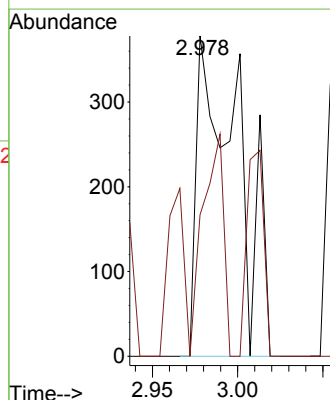
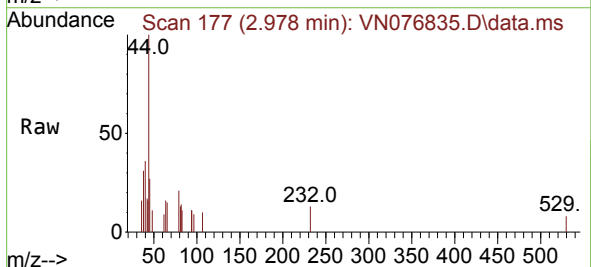
Acq: 28 Feb 2023 18:09

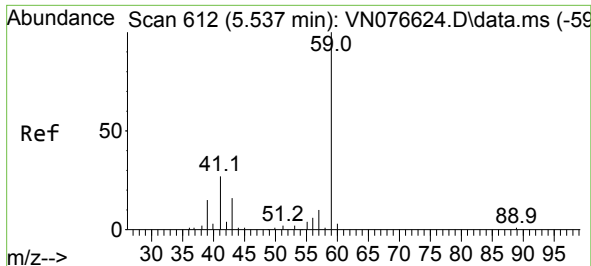
Tgt Ion: 94 Resp: 636

Ion Ratio Lower Upper

94 100

96 44.2 69.0 103.4#

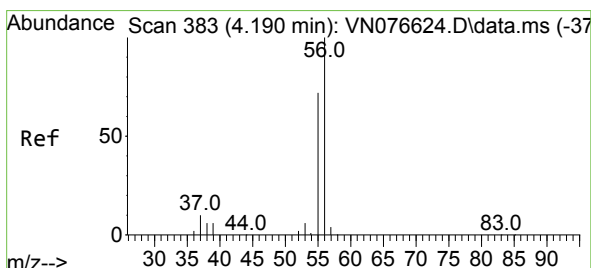
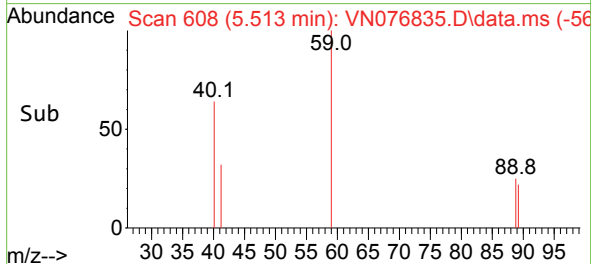
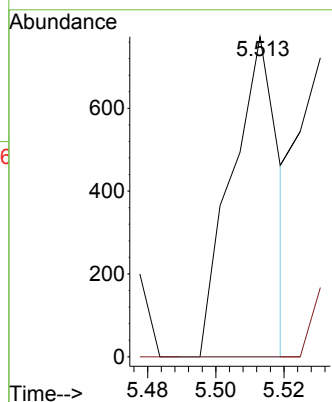
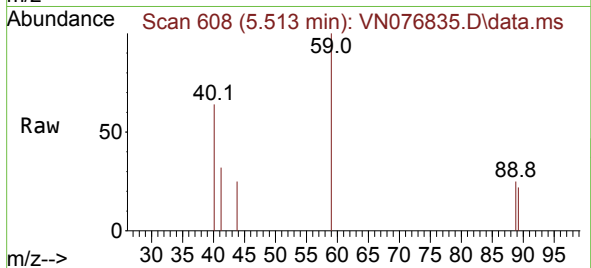




#11
Tert butyl alcohol
Concen: 1.530 ug/l
RT: 5.513 min Scan# 608
Delta R.T. -0.024 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

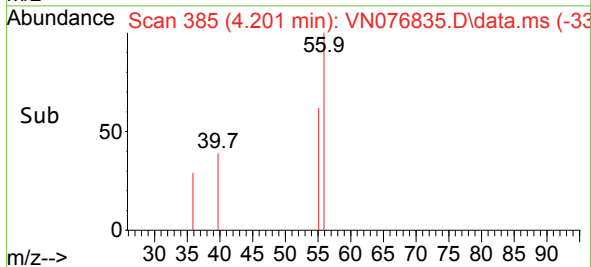
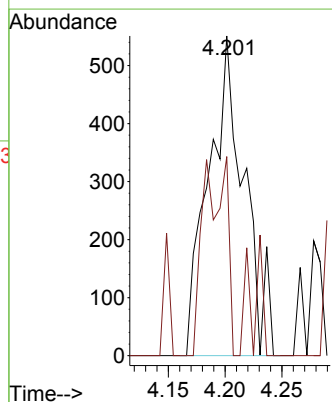
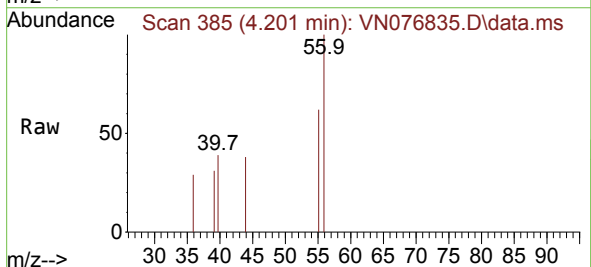
Instrument :
MSVOA_N
ClientSampleId :
T2-STONE

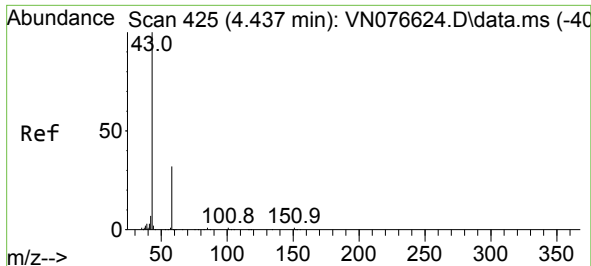
Tgt Ion: 59 Resp: 739
Ion Ratio Lower Upper
59 100
57 8.0 8.7 13.1#



#13
Acrolein
Concen: 1.647 ug/l
RT: 4.201 min Scan# 385
Delta R.T. 0.011 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

Tgt Ion: 56 Resp: 1194
Ion Ratio Lower Upper
56 100
55 40.8 56.3 84.5#

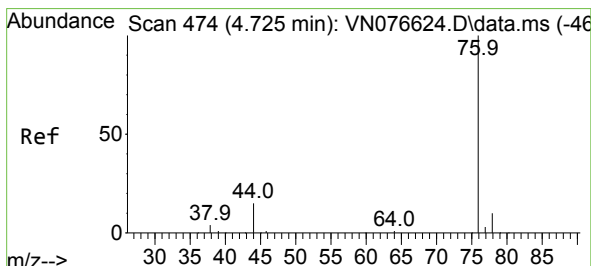
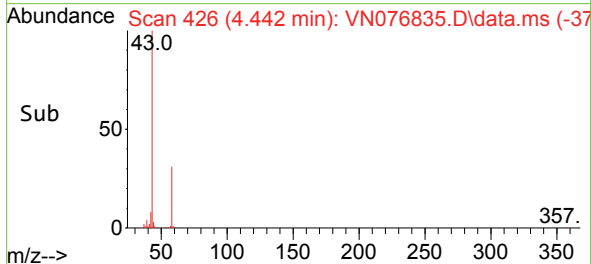
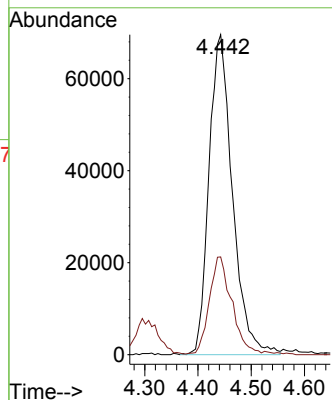
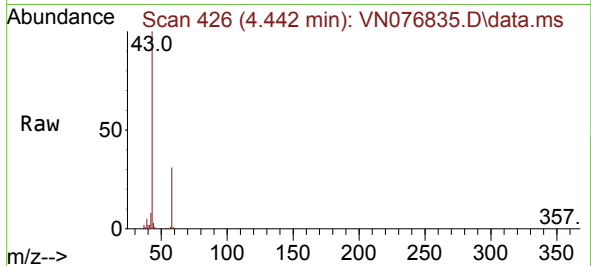




#16
Acetone
Concen: 130.267 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

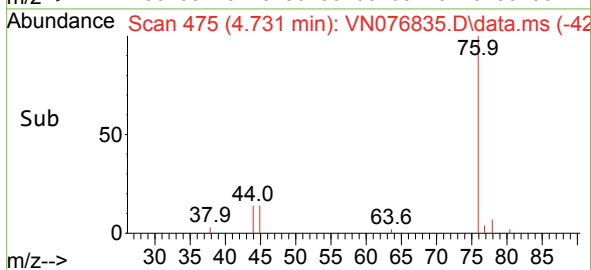
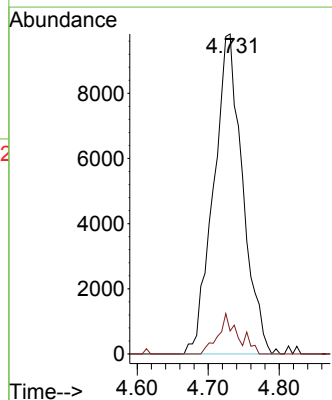
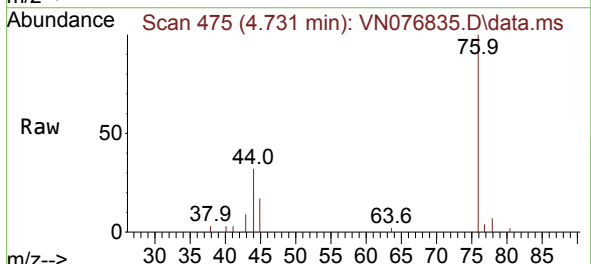
Instrument :
MSVOA_N
ClientSampleId :
T2-STONE

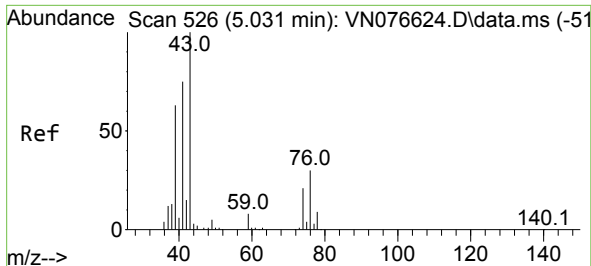
Tgt Ion: 43 Resp: 212868
Ion Ratio Lower Upper
43 100
58 30.0 25.9 38.9



#17
Carbon Disulfide
Concen: 3.850 ug/l
RT: 4.731 min Scan# 475
Delta R.T. 0.006 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

Tgt Ion: 76 Resp: 27800
Ion Ratio Lower Upper
76 100
78 7.2 7.8 11.8#

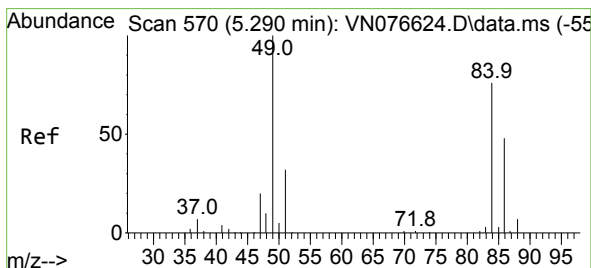
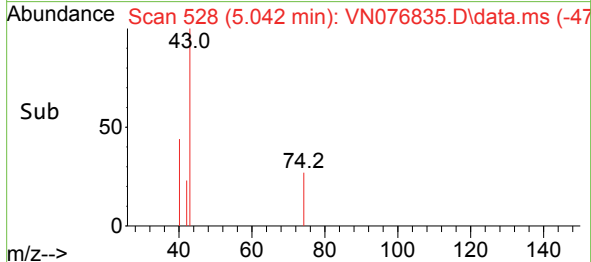
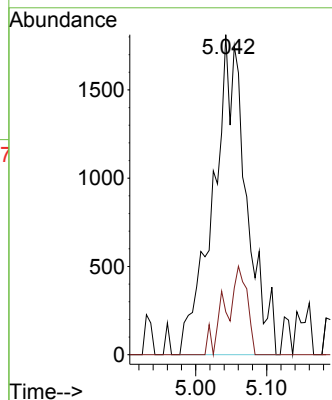
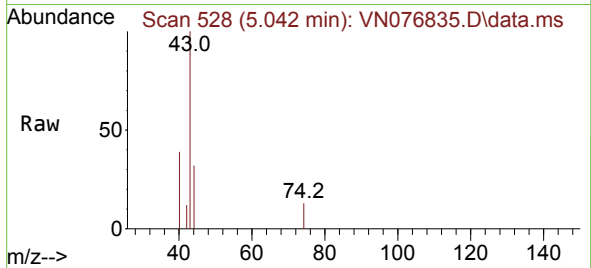




#18
Methyl Acetate
Concen: 1.109 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

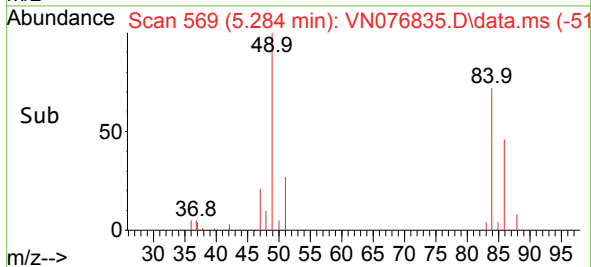
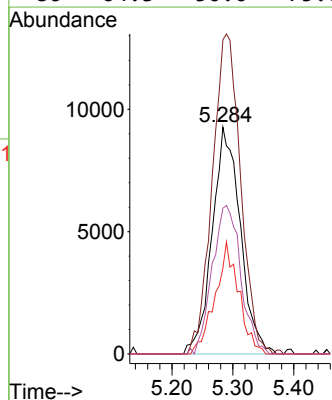
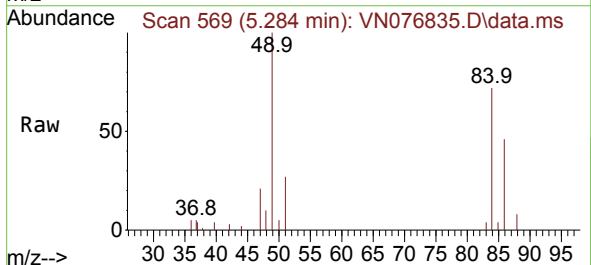
Instrument :
MSVOA_N
ClientSampleId :
T2-STONE

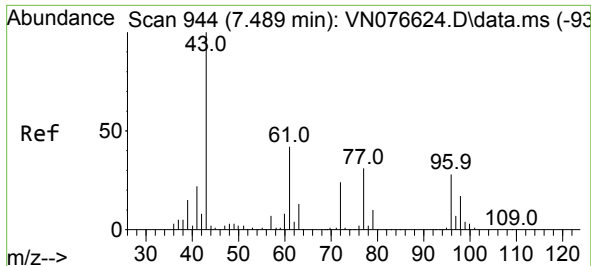
Tgt Ion: 43 Resp: 5915
Ion Ratio Lower Upper
43 100
74 6.8 17.7 26.5#



#20
Methylene Chloride
Concen: 8.663 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

Tgt Ion: 84 Resp: 29667
Ion Ratio Lower Upper
84 100
49 138.6 104.9 157.3
51 37.9 33.8 50.8
86 64.3 50.0 75.0

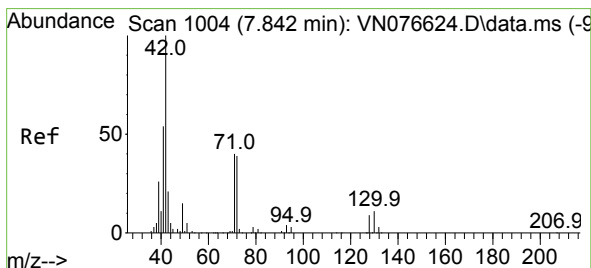
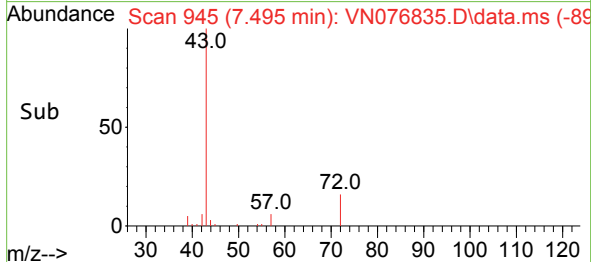
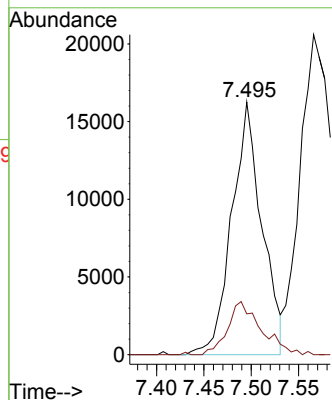
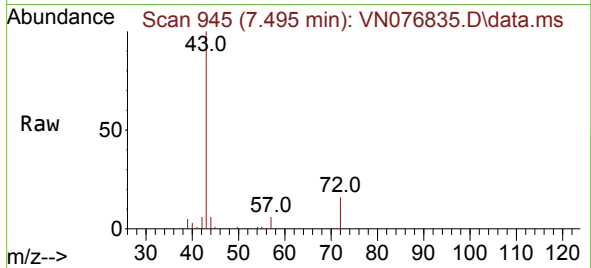




#25
2-Butanone
Concen: 14.887 ug/l
RT: 7.495 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

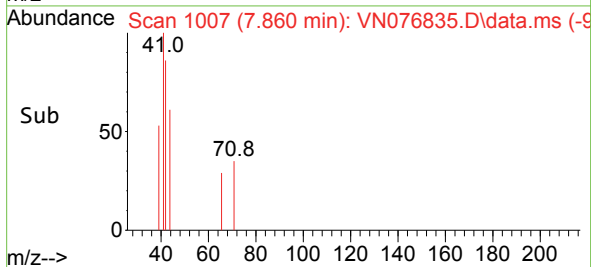
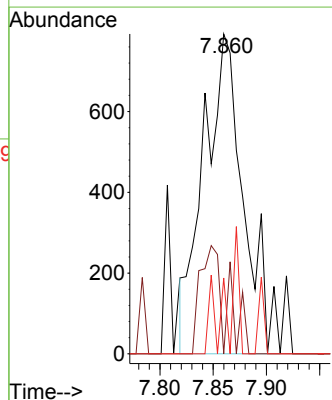
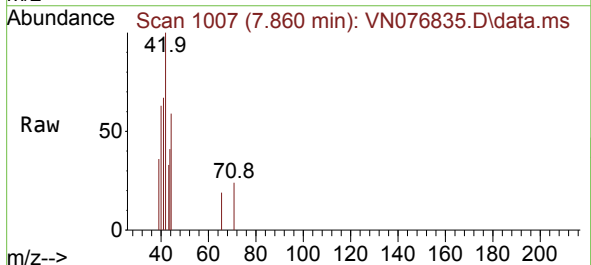
Instrument :
MSVOA_N
ClientSampleId :
T2-STONE

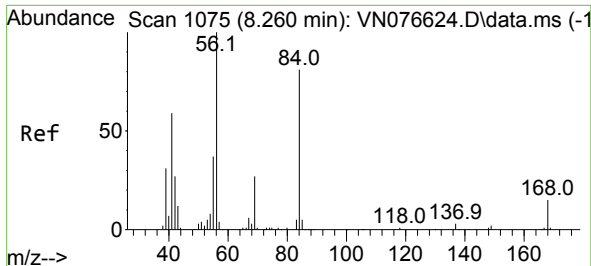
Tgt Ion: 43 Resp: 35884
Ion Ratio Lower Upper
43 100
72 16.1 19.4 29.2#



#29
Tetrahydrofuran
Concen: 1.320 ug/l
RT: 7.860 min Scan# 1007
Delta R.T. 0.018 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

Tgt Ion: 42 Resp: 2078
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 8.5 29.8 44.8#

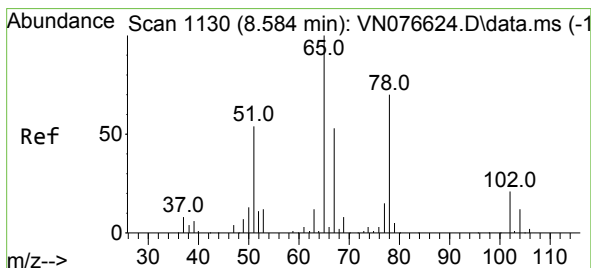
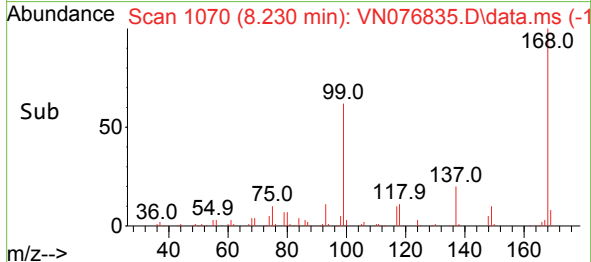
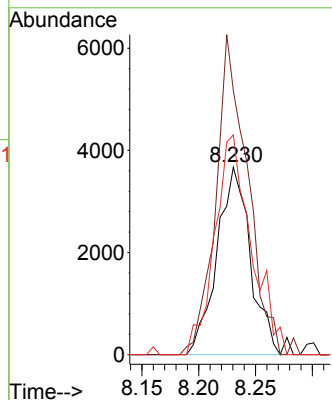
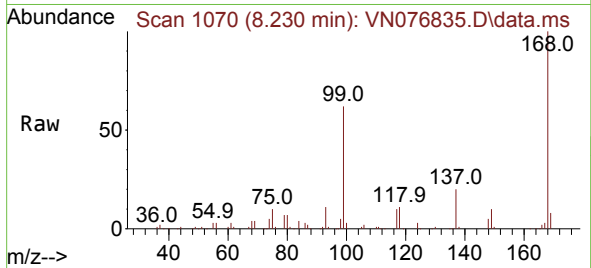




#31
Cyclohexane
Concen: 1.311 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.030 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

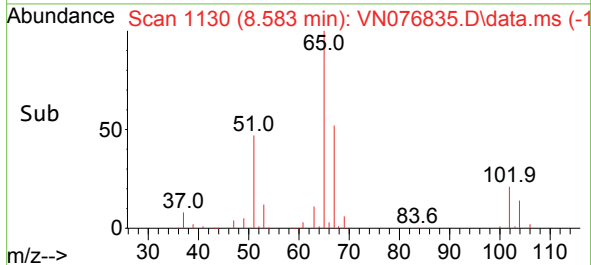
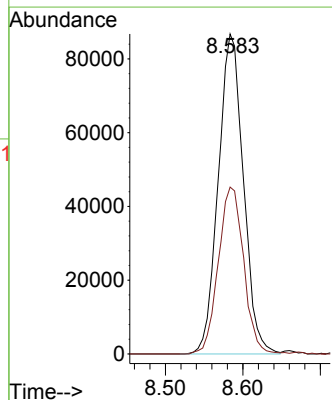
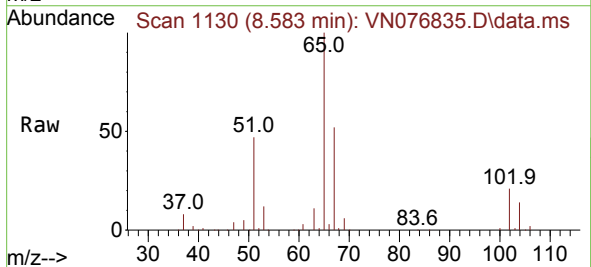
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T2-STONE

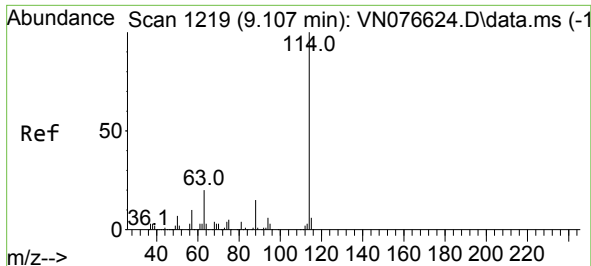
Tgt Ion: 56 Resp: 7521
Ion Ratio Lower Upper
56 100
69 141.0 21.6 32.4#
84 117.2 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 53.431 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

Tgt Ion: 65 Resp: 195461
Ion Ratio Lower Upper
65 100
67 52.6 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: VN076835.D

Acq: 28 Feb 2023 18:09

Instrument :

MSVOA_N

ClientSampleId :

T2-STONE

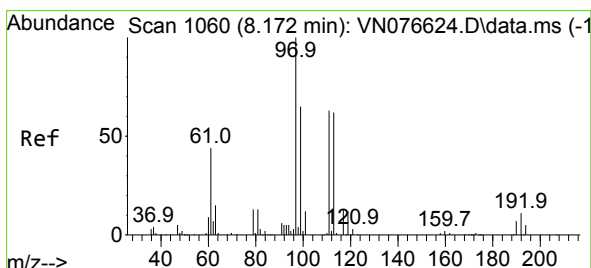
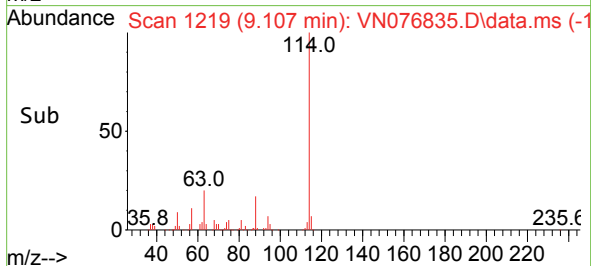
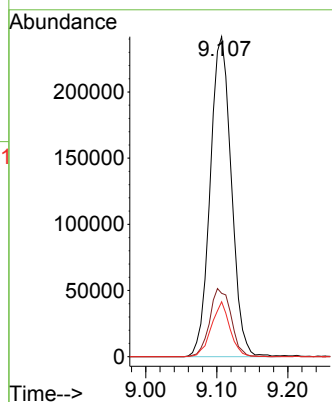
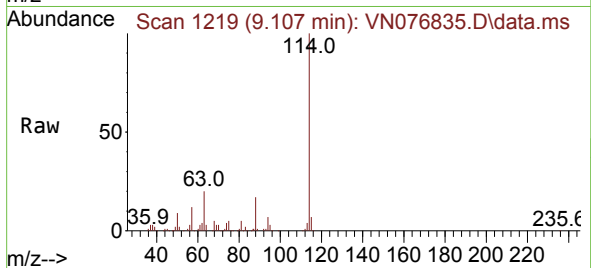
Tgt Ion:114 Resp: 498461

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 17.2 0.0 29.6



#35

Dibromofluoromethane

Concen: 46.913 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076835.D

Acq: 28 Feb 2023 18:09

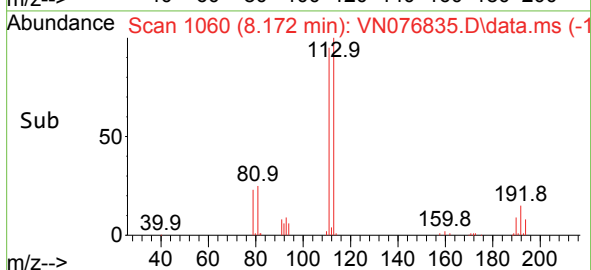
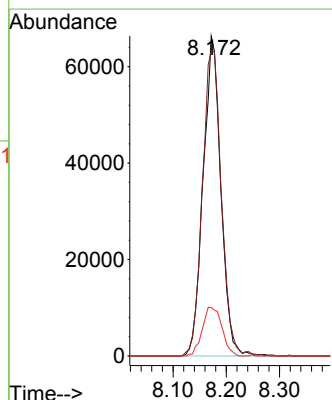
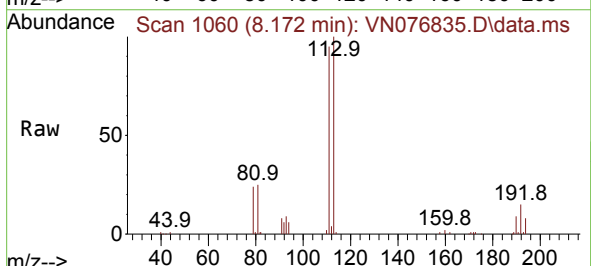
Tgt Ion:113 Resp: 153139

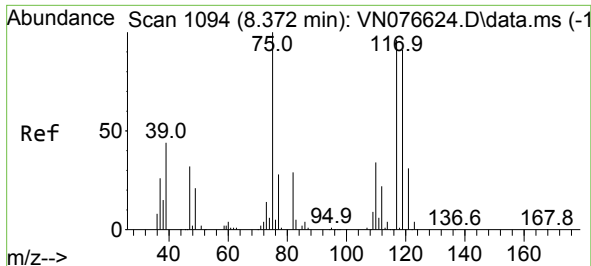
Ion Ratio Lower Upper

113 100

111 102.9 83.1 124.7

192 16.9 15.6 23.4

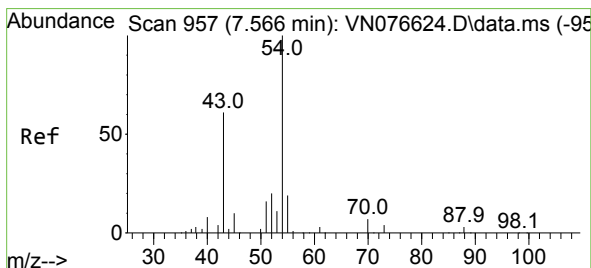
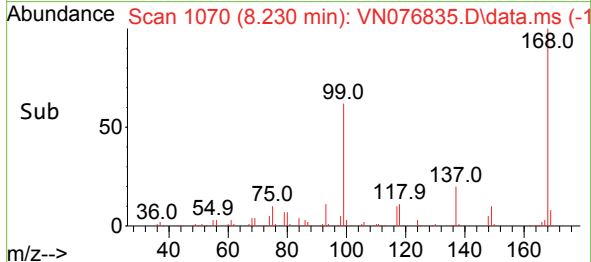
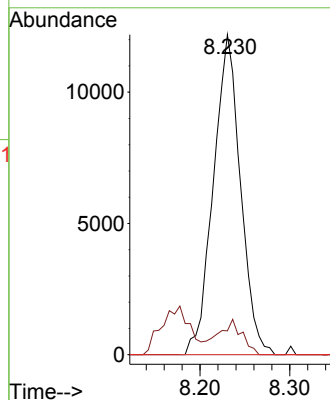
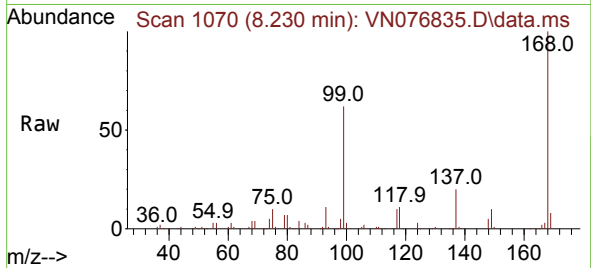




#36
1,1-Dichloropropene
Concen: 5.426 ug/l
RT: 8.230 min Scan# 1094
Delta R.T. -0.142 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

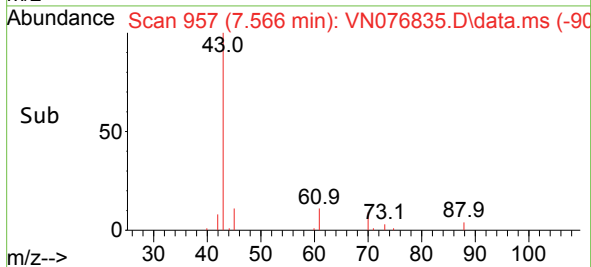
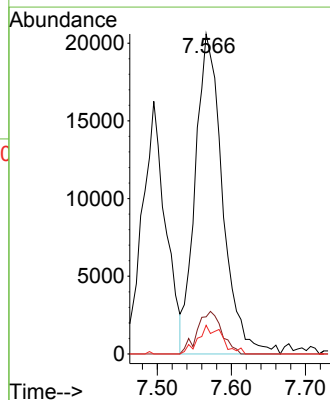
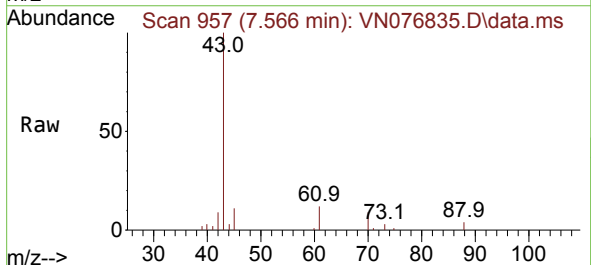
Instrument :
MSVOA_N
ClientSampleId :
T2-STONE

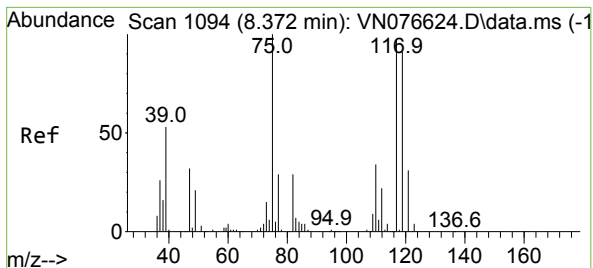
Tgt Ion: 75 Resp: 25590
Ion Ratio Lower Upper
75 100
110 10.0 17.5 52.5#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 10.618 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

Tgt Ion: 43 Resp: 52689
Ion Ratio Lower Upper
43 100
61 12.0 9.9 14.9
70 7.8 7.8 11.6





#38

Carbon Tetrachloride

Concen: 5.678 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.142 min

Lab File: VN076835.D

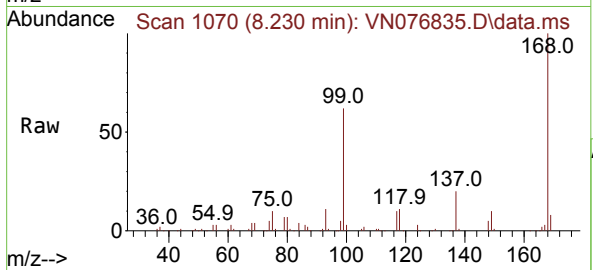
Acq: 28 Feb 2023 18:09

Instrument :

MSVOA_N

ClientSampleId :

T2-STONE



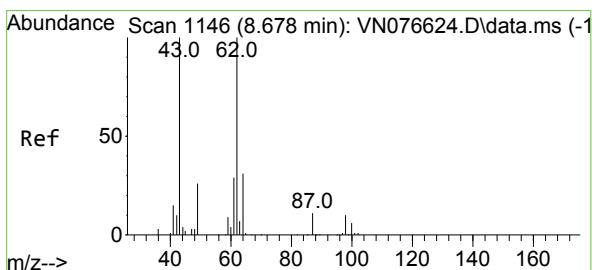
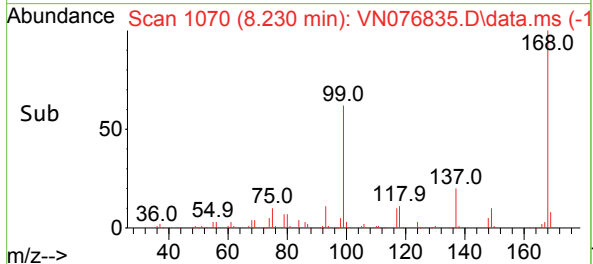
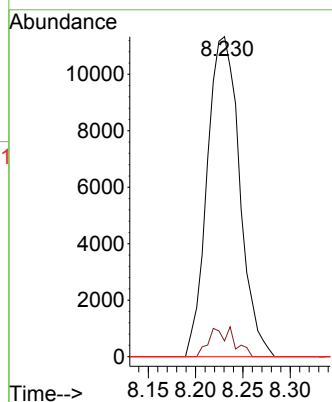
Tgt Ion:117 Resp: 27014

Ion Ratio Lower Upper

117 100

119 4.9 75.4 113.0#

121 0.0 26.0 39.0#



#42

1,2-Dichloroethane

Concen: 0.357 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. 0.011 min

Lab File: VN076835.D

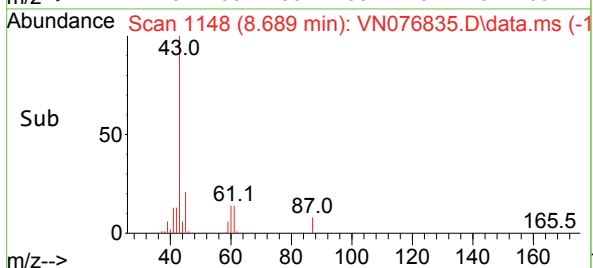
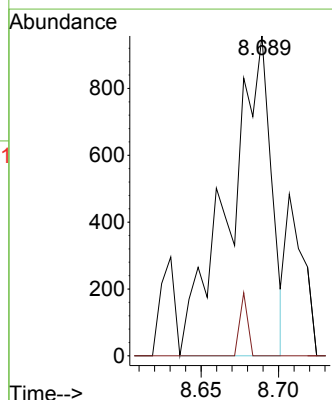
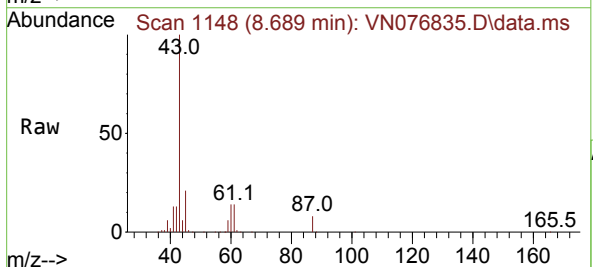
Acq: 28 Feb 2023 18:09

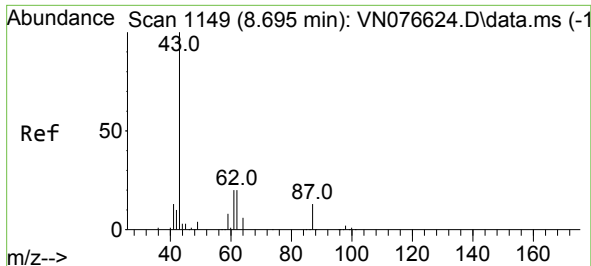
Tgt Ion: 62 Resp: 1802

Ion Ratio Lower Upper

62 100

98 3.7 0.0 19.2

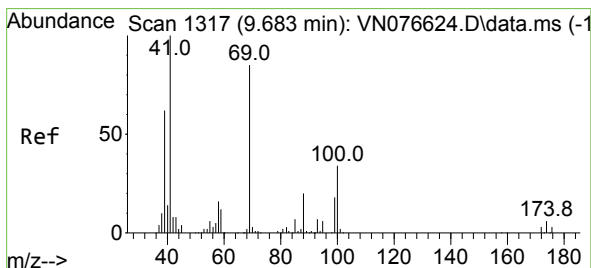
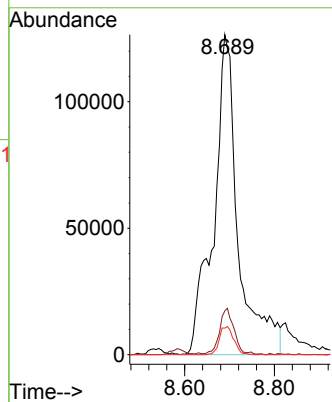
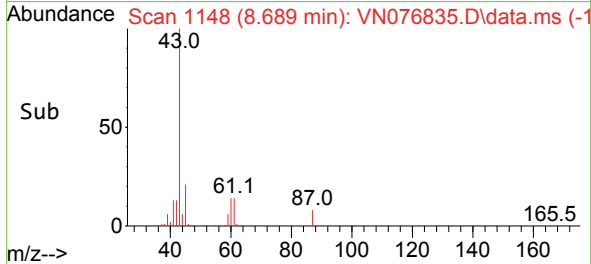
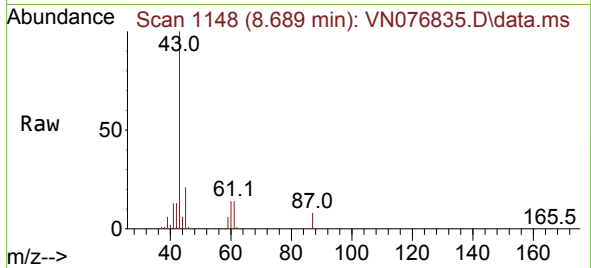




#43
Isopropyl Acetate
Concen: 59.905 ug/l
RT: 8.689 min Scan# 1149
Delta R.T. -0.006 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

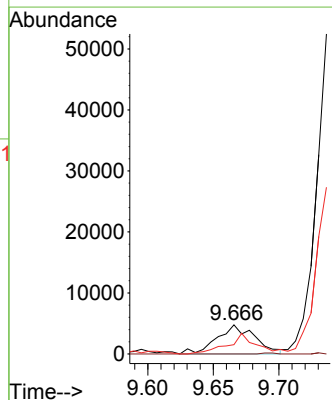
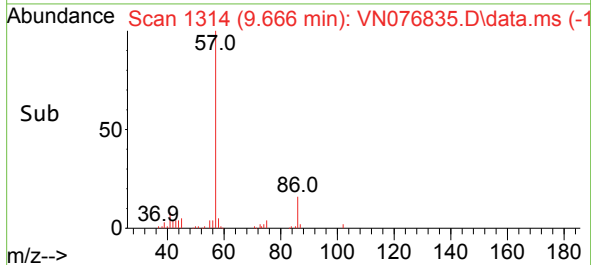
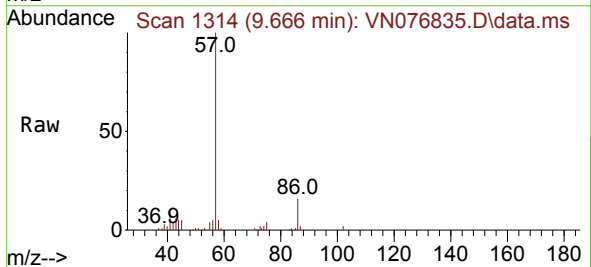
Instrument :
MSVOA_N
ClientSampleId :
T2-STONE

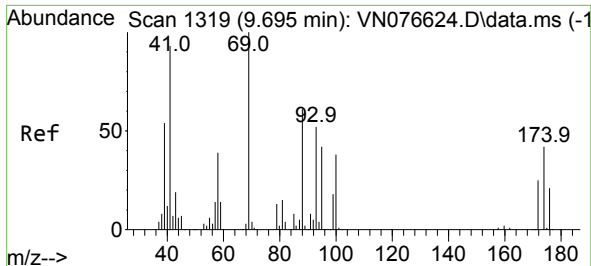
Tgt Ion: 43 Resp: 483717
Ion Ratio Lower Upper
43 100
61 8.6 20.0 30.0#
87 5.1 9.9 14.9#



#48
Methyl methacrylate
Concen: 2.509 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.017 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

Tgt Ion: 41 Resp: 9615
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 55.0 49.3 73.9





#49

1,4-Dioxane

Concen: 1.147 ug/l

RT: 9.748 min Scan# 1319

Delta R.T. 0.053 min

Lab File: VN076835.D

Acq: 28 Feb 2023 18:09

Instrument :

MSVOA_N

ClientSampleId :

T2-STONE

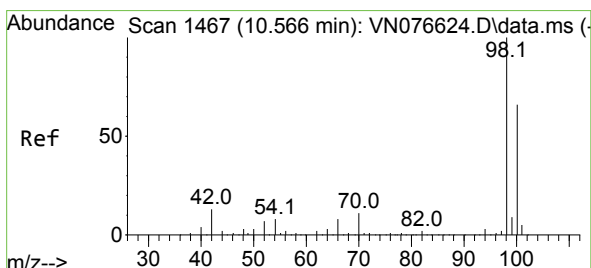
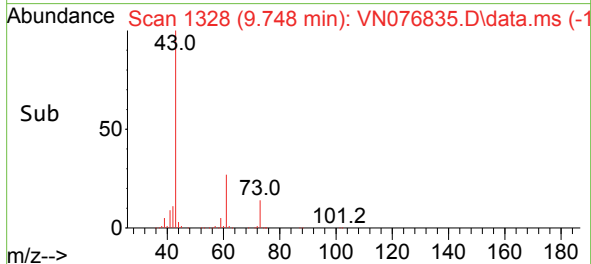
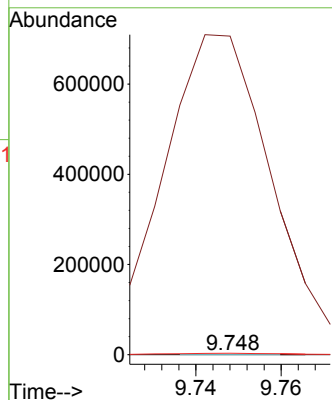
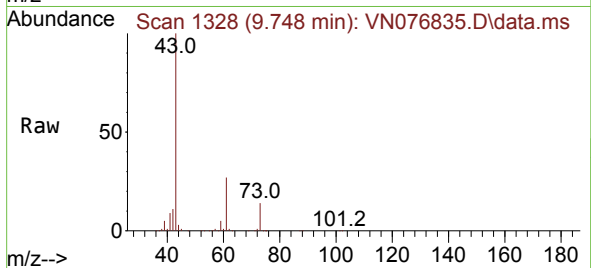
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 1704325.0 22.6 33.8#

58 7421.1 57.6 86.4#



#50

Toluene-d8

Concen: 52.273 ug/l

RT: 10.571 min Scan# 1468

Delta R.T. 0.005 min

Lab File: VN076835.D

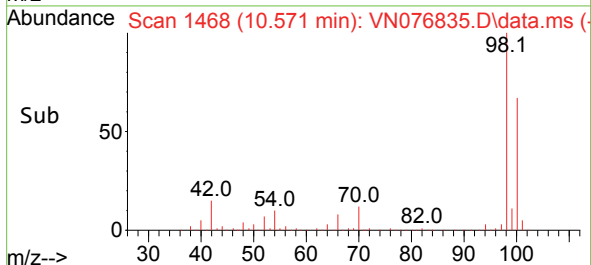
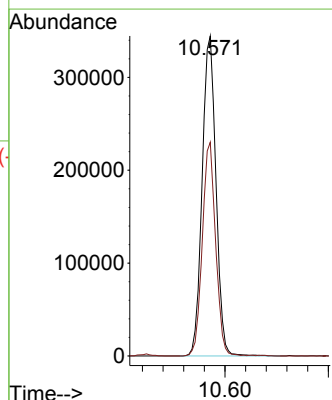
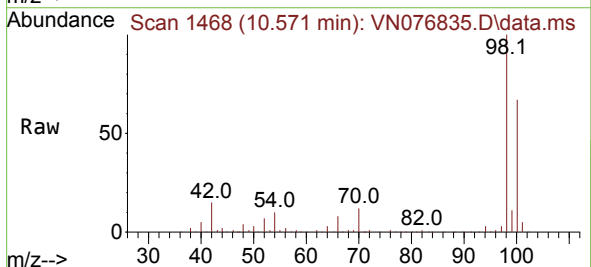
Acq: 28 Feb 2023 18:09

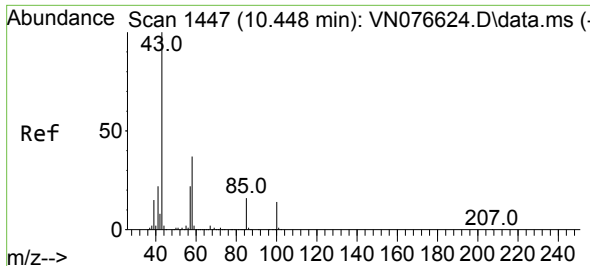
Tgt Ion: 98 Resp: 637249

Ion Ratio Lower Upper

98 100

100 64.5 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 5.285 ug/l

RT: 10.448 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VN076835.D

Acq: 28 Feb 2023 18:09

Instrument :

MSVOA_N

ClientSampleId :

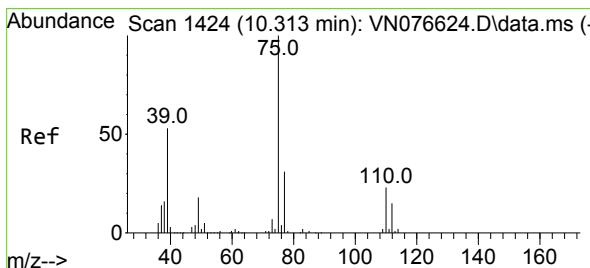
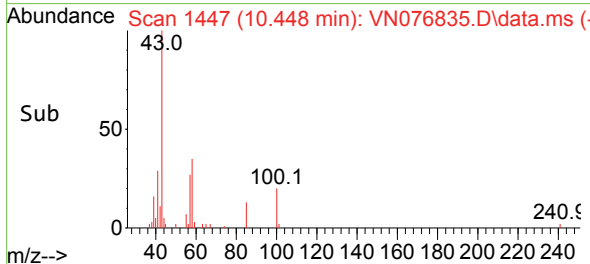
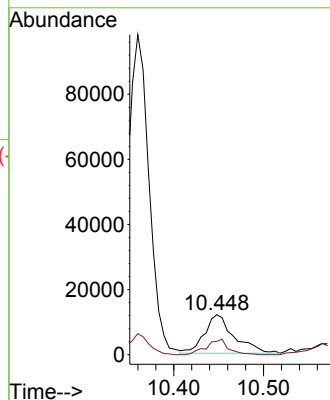
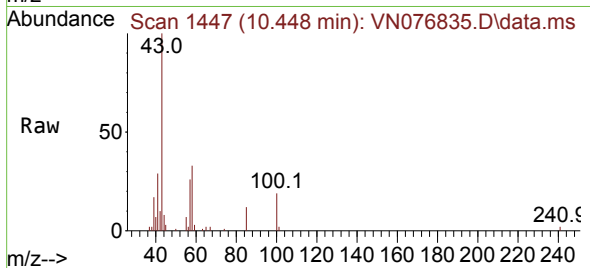
T2-STONE

Tgt Ion: 43 Resp: 27150

Ion Ratio Lower Upper

43 100

58 29.5 29.5 44.3



#54

cis-1,3-Dichloropropene

Concen: 12.896 ug/l

RT: 10.360 min Scan# 1432

Delta R.T. 0.047 min

Lab File: VN076835.D

Acq: 28 Feb 2023 18:09

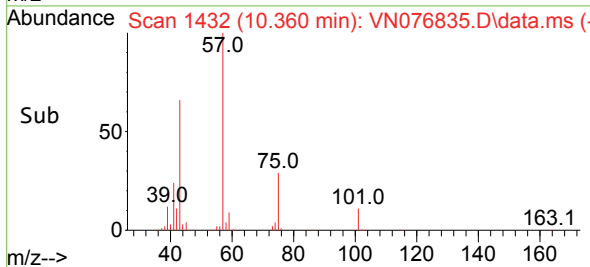
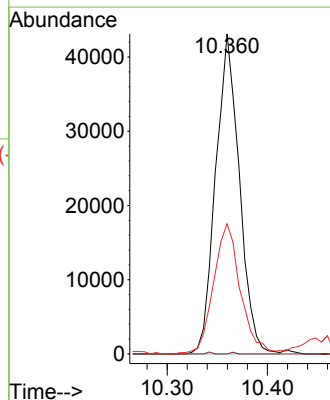
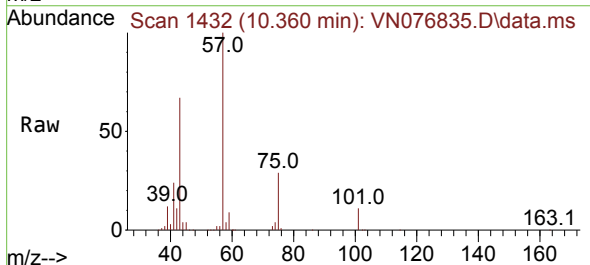
Tgt Ion: 75 Resp: 70557

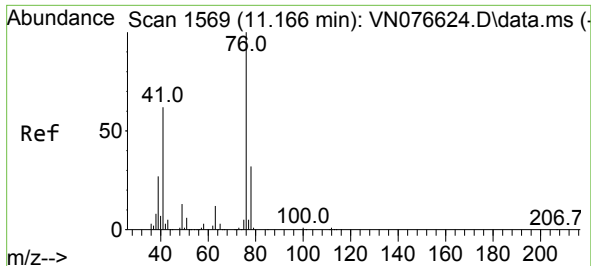
Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 39.7 42.3 63.5#





#57

1,3-Dichloropropane

Concen: 1.297 ug/l

RT: 11.207 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN076835.D

Acq: 28 Feb 2023 18:09

Instrument :

MSVOA_N

ClientSampleId :

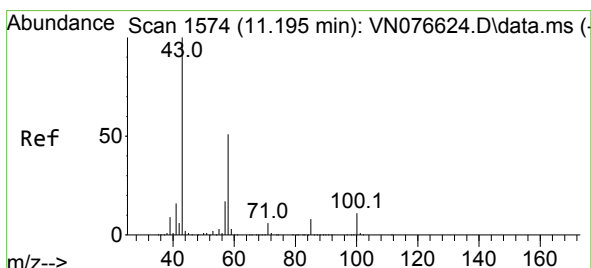
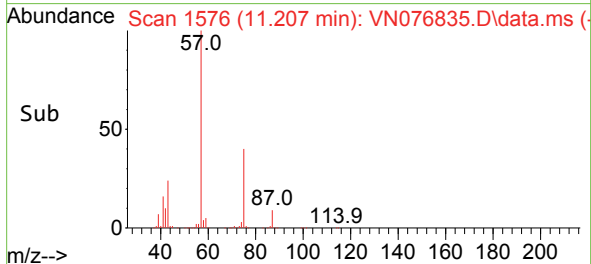
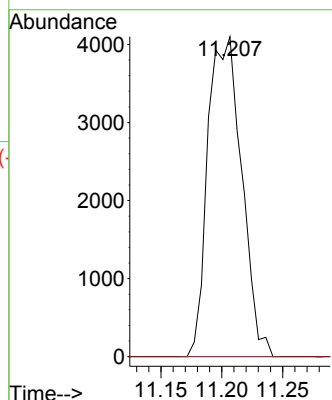
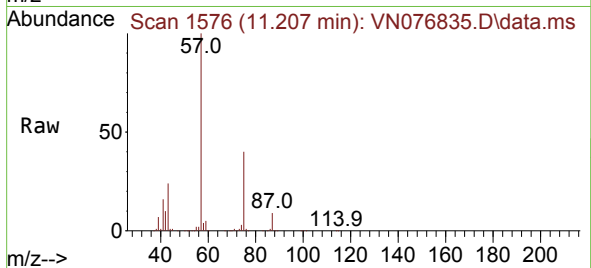
T2-STONE

Tgt Ion: 76 Resp: 7925

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 56.416 ug/l

RT: 11.171 min Scan# 1570

Delta R.T. -0.024 min

Lab File: VN076835.D

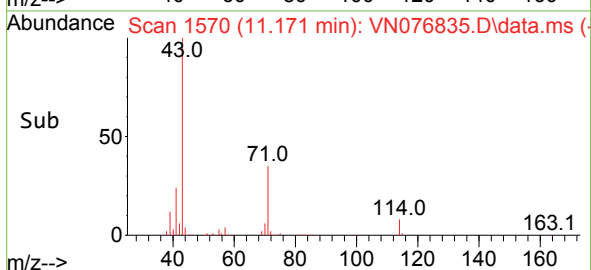
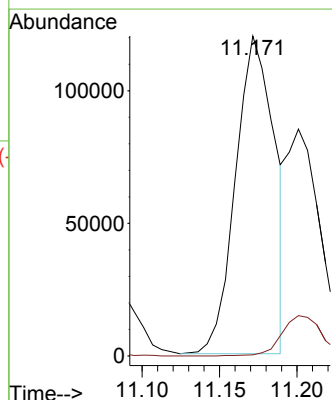
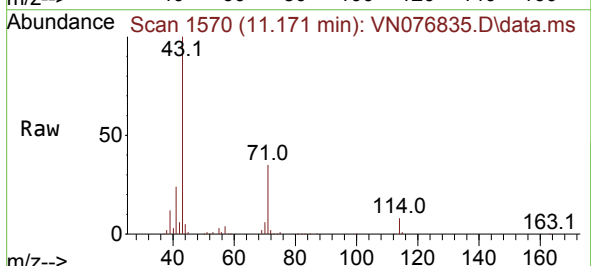
Acq: 28 Feb 2023 18:09

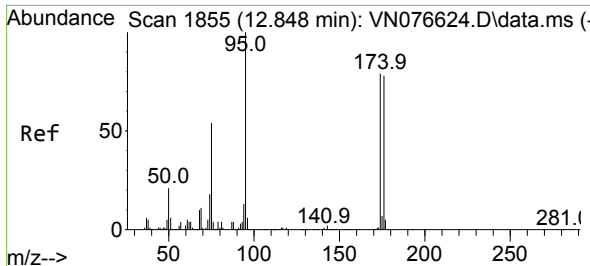
Tgt Ion: 43 Resp: 208986

Ion Ratio Lower Upper

43 100

58 0.0 25.4 76.0#

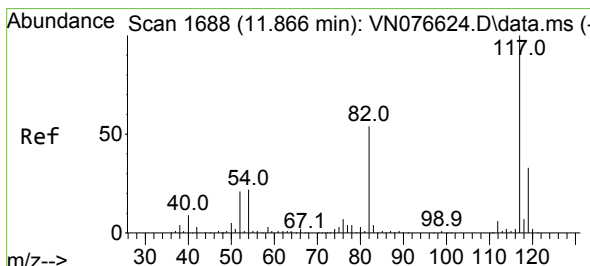
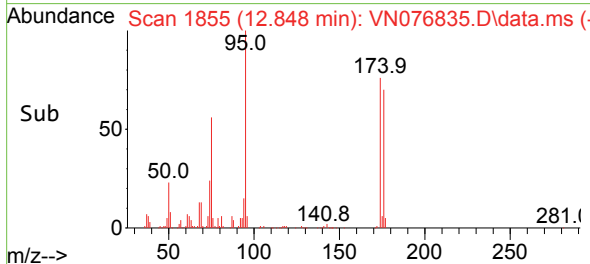
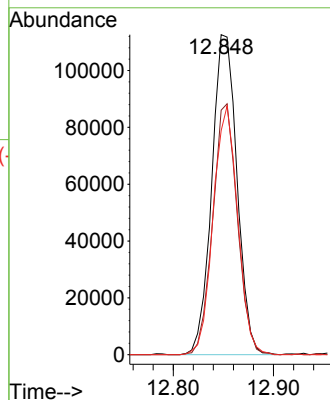
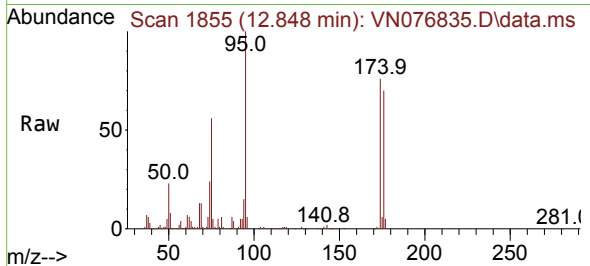




#62
4-Bromofluorobenzene
Concen: 48.820 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

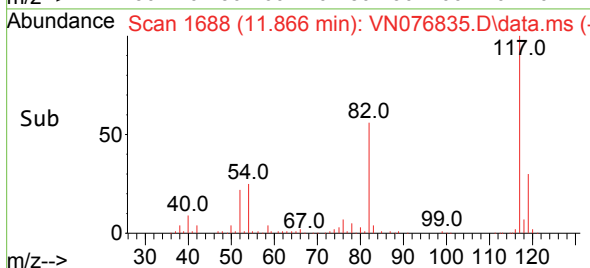
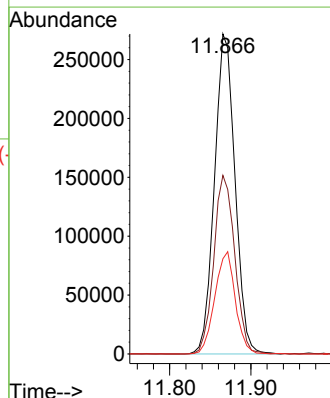
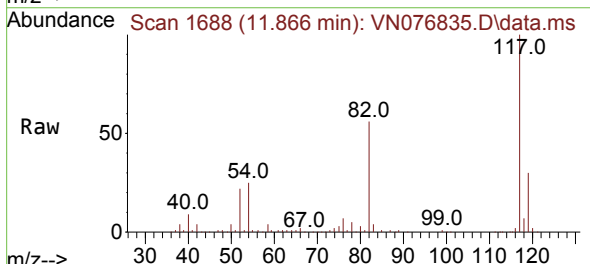
Instrument :
MSVOA_N
ClientSampleId :
T2-STONE

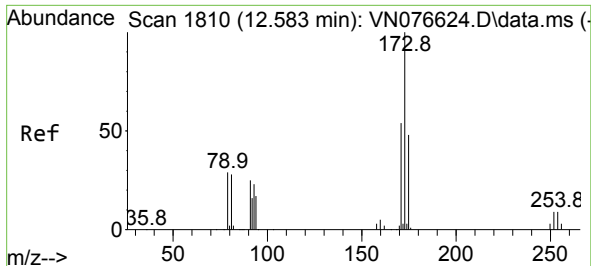
Tgt Ion: 95 Resp: 197119
Ion Ratio Lower Upper
95 100
174 76.3 0.0 169.2
176 75.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

Tgt Ion: 117 Resp: 477946
Ion Ratio Lower Upper
117 100
82 55.8 43.4 65.2
119 29.7 26.1 39.1

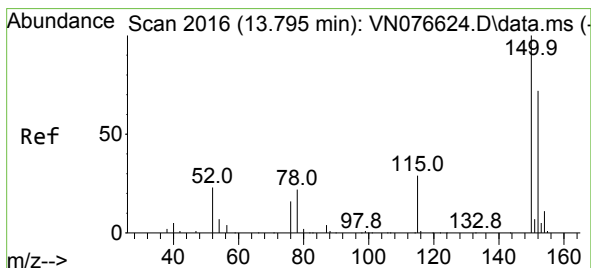
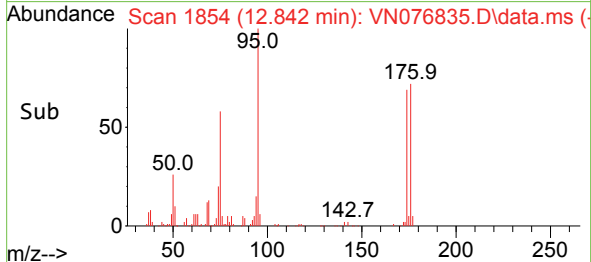
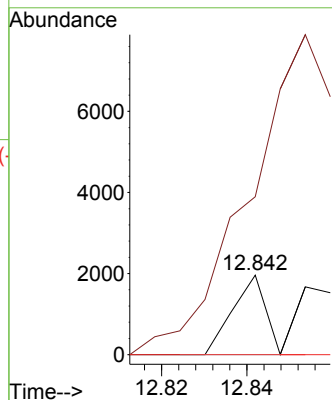
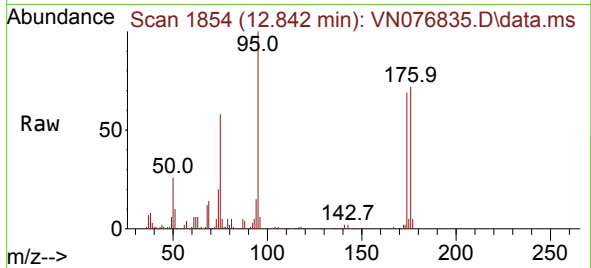




#71
Bromoform
Concen: 0.389 ug/l
RT: 12.842 min Scan# 1810
Delta R.T. 0.259 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

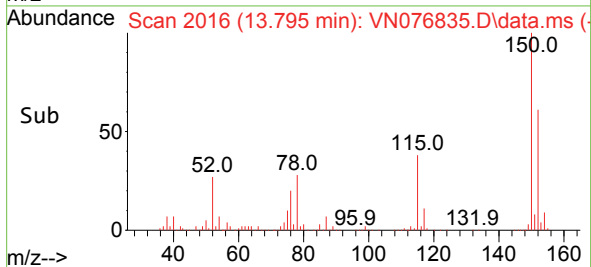
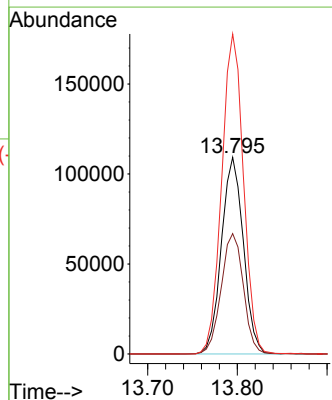
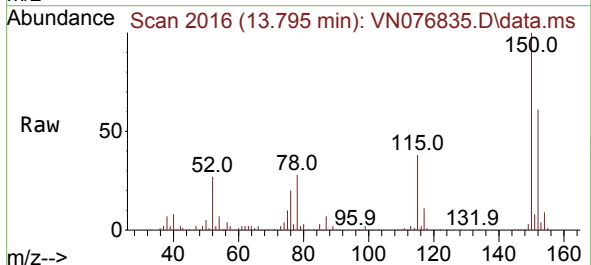
Instrument :
MSVOA_N
ClientSampleId :
T2-STONE

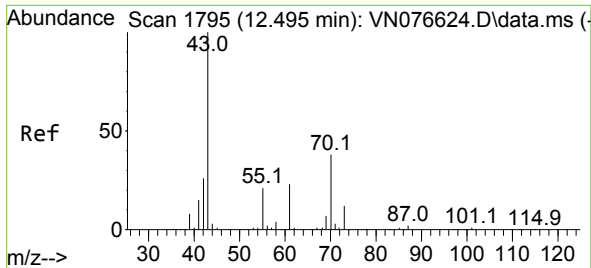
Tgt Ion:173 Resp: 1049
Ion Ratio Lower Upper
173 100
175 1025.1 24.9 74.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

Tgt Ion:152 Resp: 185415
Ion Ratio Lower Upper
152 100
115 62.0 29.3 87.9
150 161.3 0.0 349.8

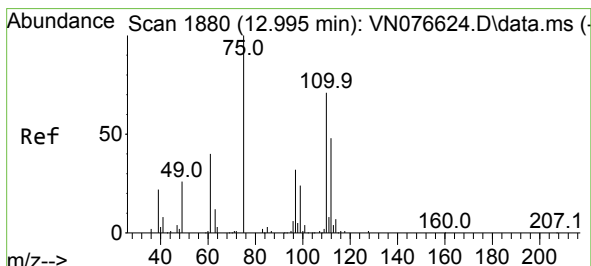
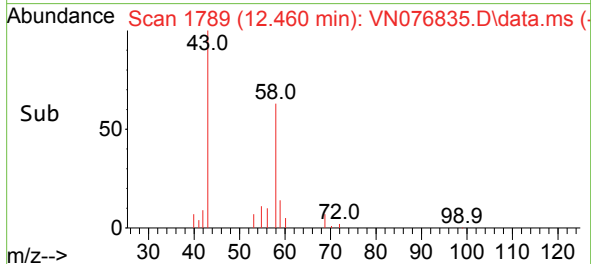
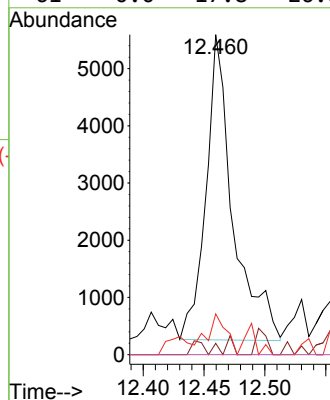
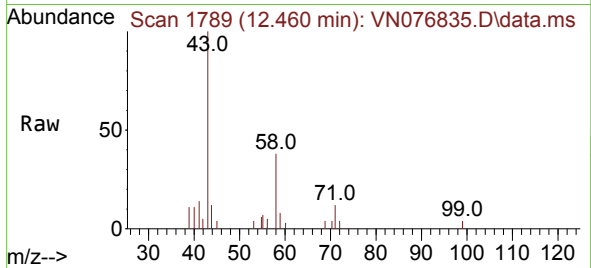




#74
N-amy1 acetate
Concen: 1.343 ug/l
RT: 12.460 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

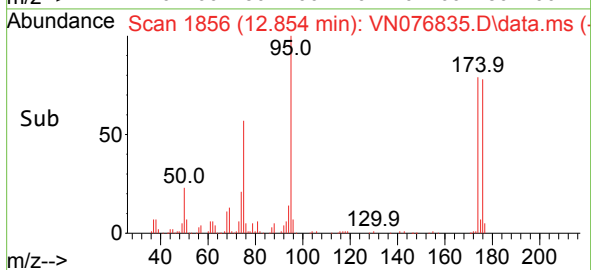
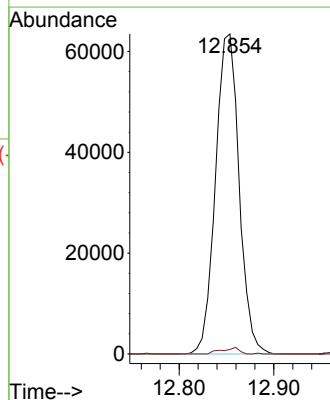
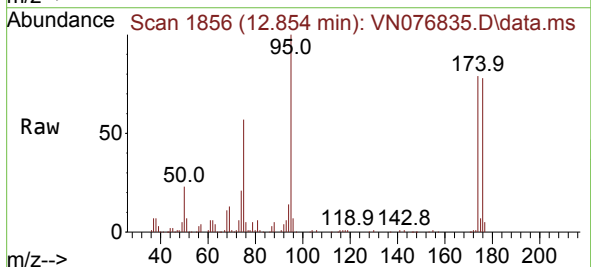
Instrument :
MSVOA_N
ClientSampleId :
T2-STONE

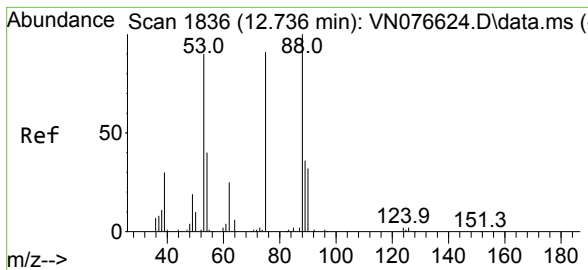
Tgt Ion: 43	Resp: 8226
Ion Ratio	Lower Upper
43	100
70	2.3 30.5 45.7#
55	9.3 17.8 26.8#
61	0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 29.322 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076835.D
Acq: 28 Feb 2023 18:09

Tgt Ion: 75	Resp: 109916
Ion Ratio	Lower Upper
75	100
77	1.5 93.1 279.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.403 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN076835.D
 Acq: 28 Feb 2023 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 T2-STONE

Tgt Ion: 75 Resp: 109916
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.1 138.1#
 89 0.0 37.5 56.3#

