

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076937.D
 Acq On : 10 Mar 2023 20:26
 Operator : JC\MD
 Sample : 01870-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01

Quant Time: Mar 13 01:24:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

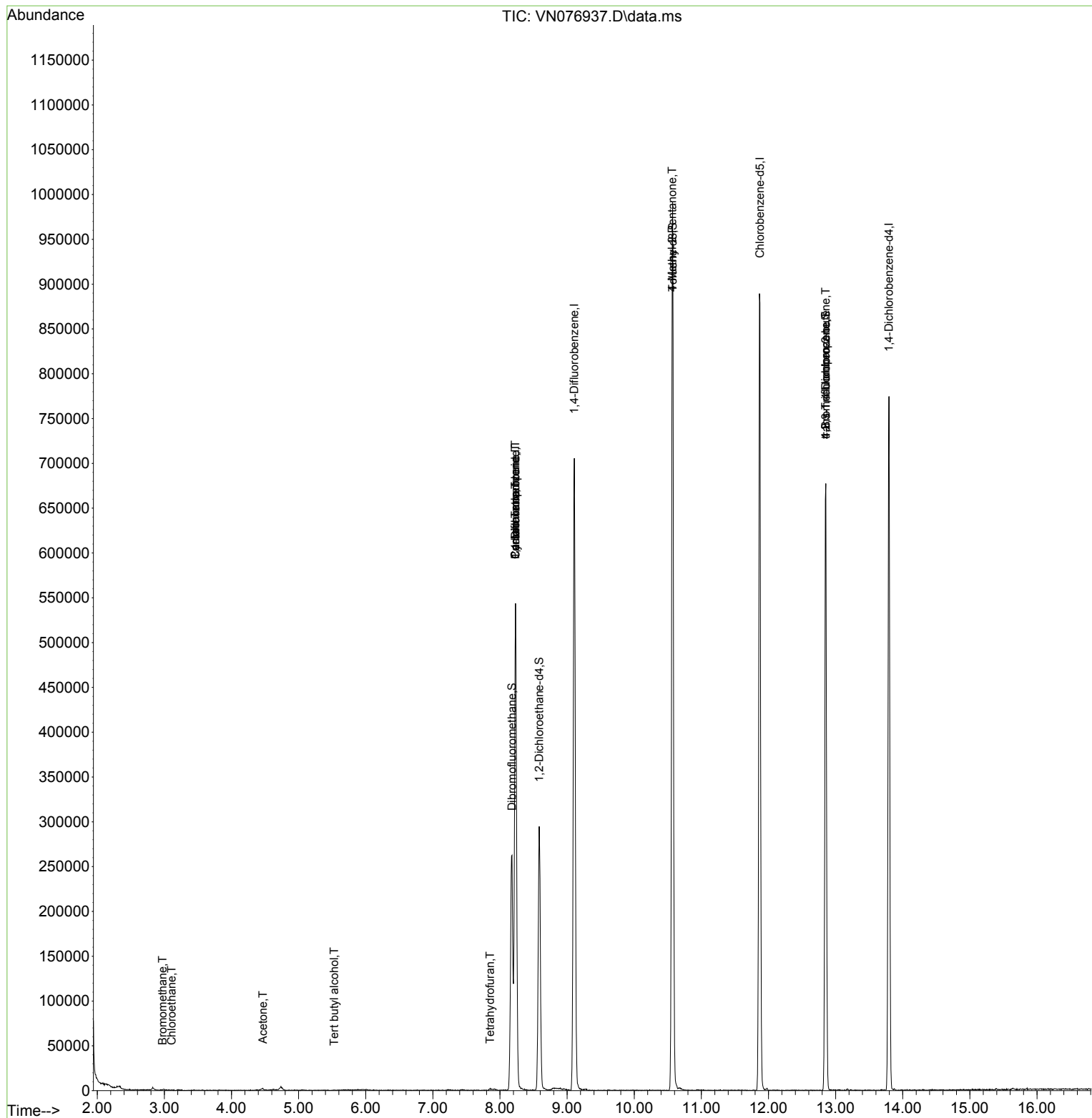
Internal Standards						
1) Pentafluorobenzene	8.231	168	369091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	594104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	512086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	205546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	258510	46.935	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.860%
35) Dibromofluoromethane	8.178	113	190356	48.076	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.160%
50) Toluene-d8	10.572	98	702992	48.174	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.340%
62) 4-Bromofluorobenzene	12.854	95	243485	45.617	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.240%
Target Compounds						
					Qvalue	
5) Bromomethane	2.972	94	659	0.268	ug/l #	1
6) Chloroethane	3.107	64	501	0.236	ug/l #	42
11) Tert butyl alcohol	5.531	59	204	0.266	ug/l #	72
16) Acetone	4.466	43	3339	1.749	ug/l #	72
29) Tetrahydrofuran	7.854	42	976	0.580	ug/l #	76
31) Cyclohexane	8.231	56	8738	1.106	ug/l #	51
36) 1,1-Dichloropropene	8.231	75	30886	5.044	ug/l #	51
38) Carbon Tetrachloride	8.231	117	43930	6.129	ug/l #	17
51) 4-Methyl-2-Pentanone	10.566	43	2942	0.567	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	134752	27.041	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	134752	88.328	ug/l #	15

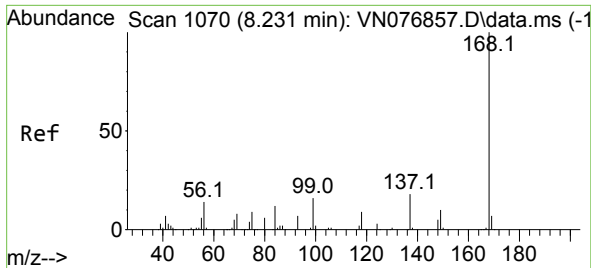
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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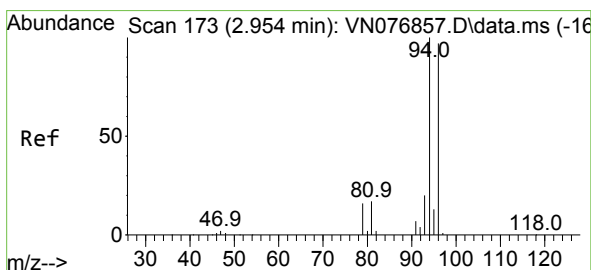
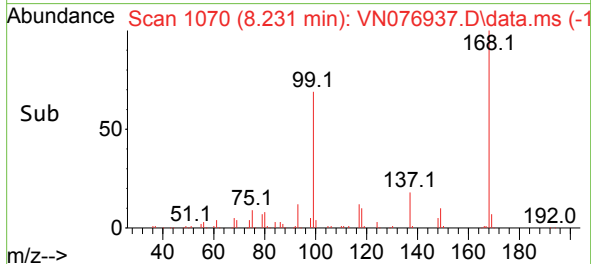
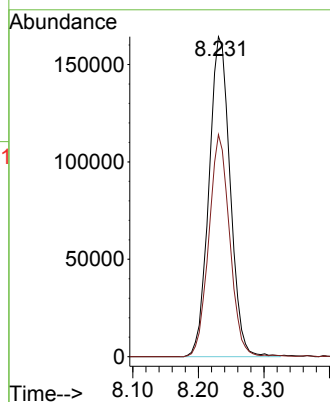
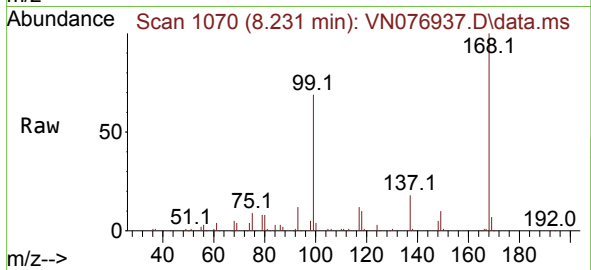




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076937.D
Acq: 10 Mar 2023 20:26

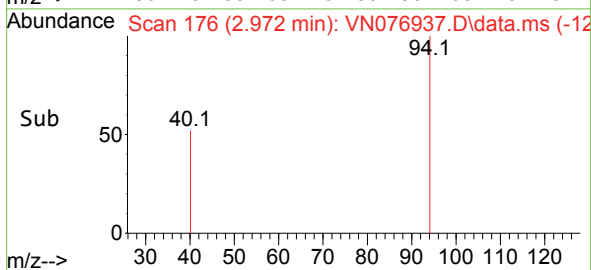
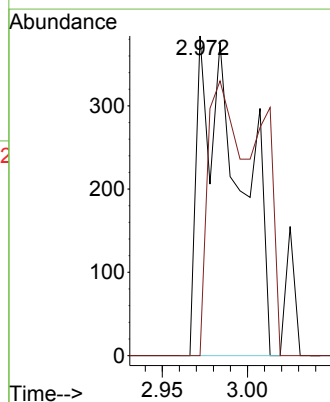
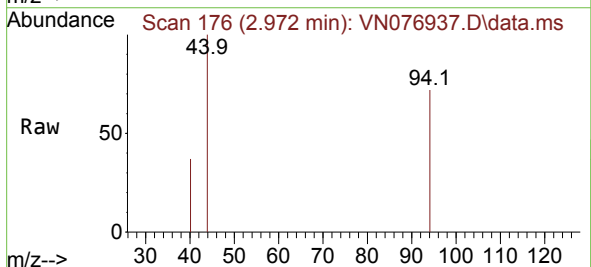
Instrument :
MSVOA_N
ClientSampleId :
TB01

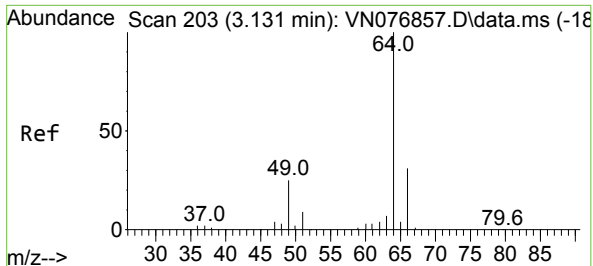
Tgt Ion:168 Resp: 369091
Ion Ratio Lower Upper
168 100
99 69.4 48.6 73.0



#5
Bromomethane
Concen: 0.268 ug/l
RT: 2.972 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN076937.D
Acq: 10 Mar 2023 20:26

Tgt Ion: 94 Resp: 659
Ion Ratio Lower Upper
94 100
96 0.0 79.0 118.6#

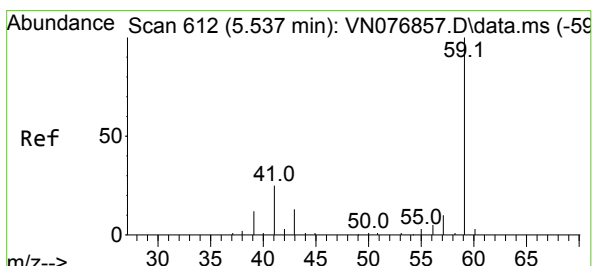
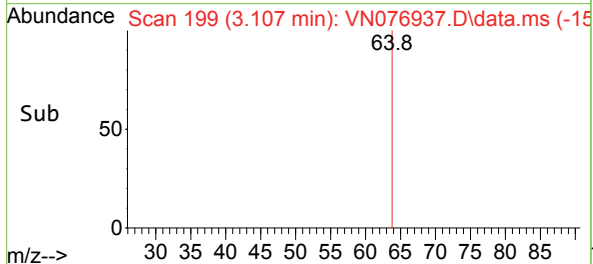
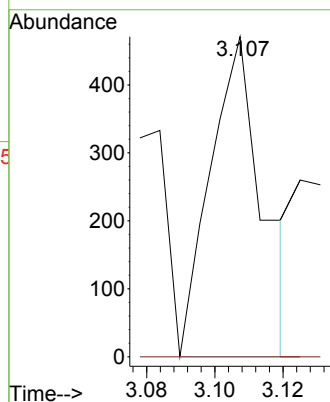
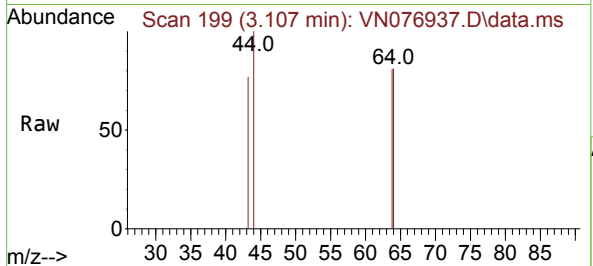




#6
Chloroethane
Concen: 0.236 ug/l
RT: 3.107 min Scan# 199
Delta R.T. -0.024 min
Lab File: VN076937.D
Acq: 10 Mar 2023 20:26

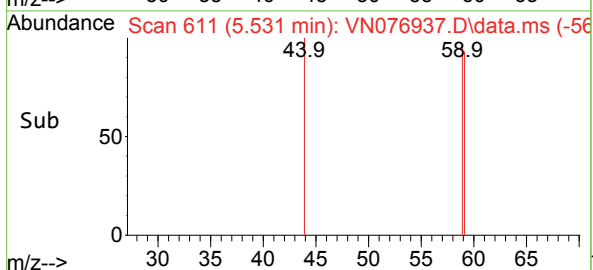
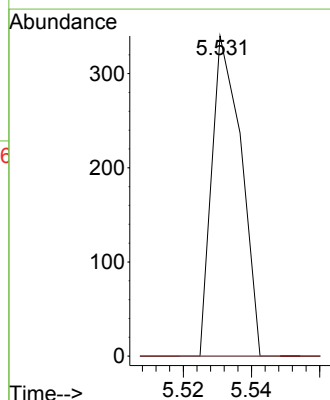
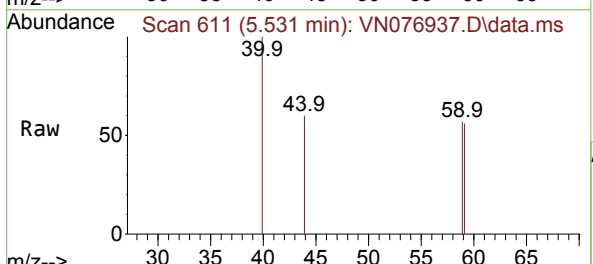
Instrument :
MSVOA_N
ClientSampleId :
TB01

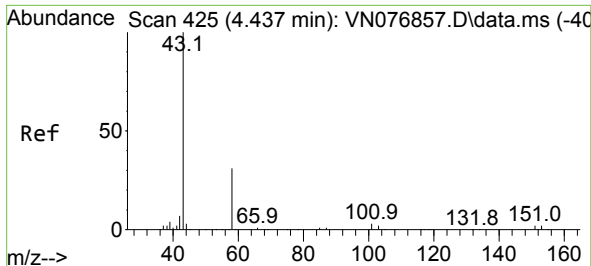
Tgt Ion: 64 Resp: 501
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.266 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN076937.D
Acq: 10 Mar 2023 20:26

Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 1.749 ug/l

RT: 4.466 min Scan# 41

Delta R.T. 0.029 min

Lab File: VN076937.D

Acq: 10 Mar 2023 20:26

Instrument :

MSVOA_N

ClientSampleId :

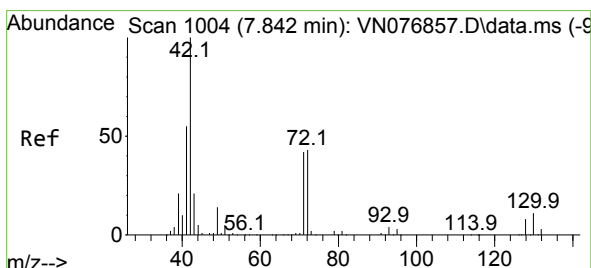
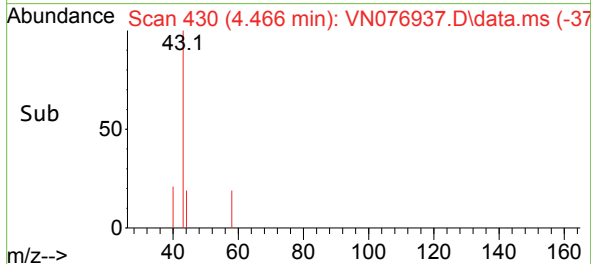
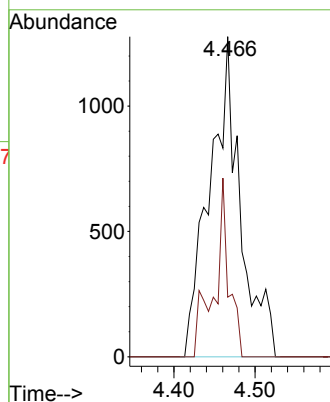
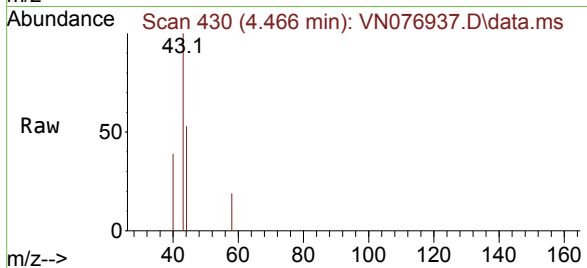
TB01

Tgt Ion: 43 Resp: 3339

Ion Ratio Lower Upper

43 100

58 18.6 28.2 42.2#



#29

Tetrahydrofuran

Concen: 0.580 ug/l

RT: 7.854 min Scan# 1006

Delta R.T. 0.012 min

Lab File: VN076937.D

Acq: 10 Mar 2023 20:26

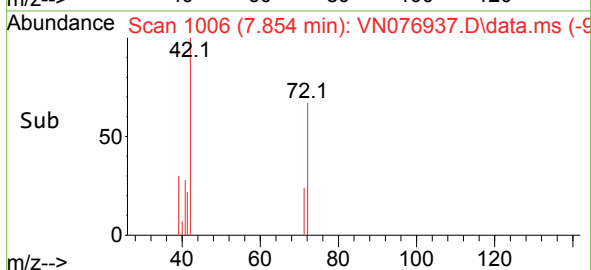
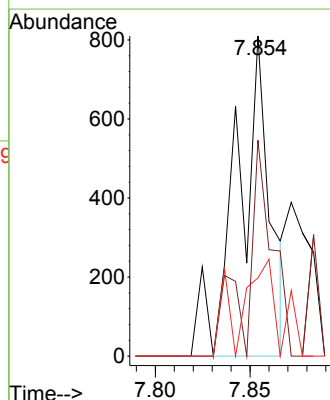
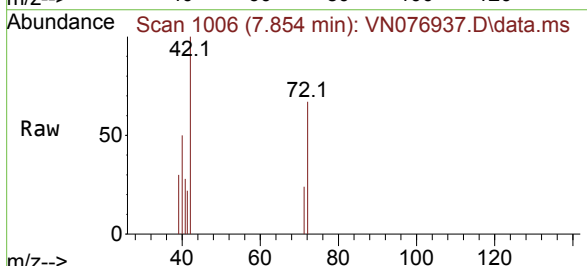
Tgt Ion: 42 Resp: 976

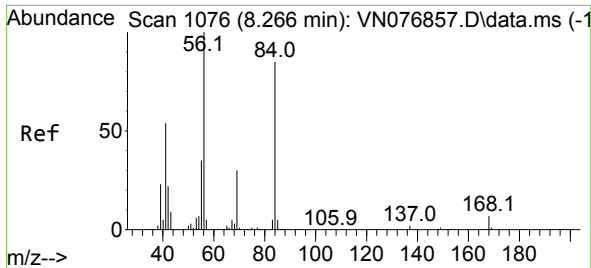
Ion Ratio Lower Upper

42 100

72 53.3 48.6 73.0

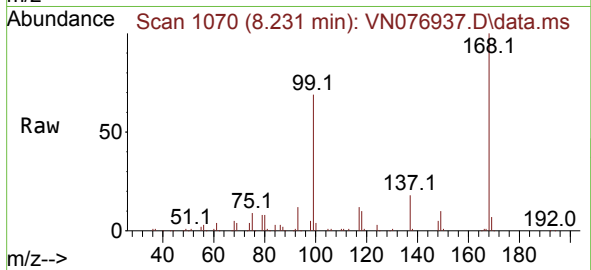
71 28.3 45.1 67.7#



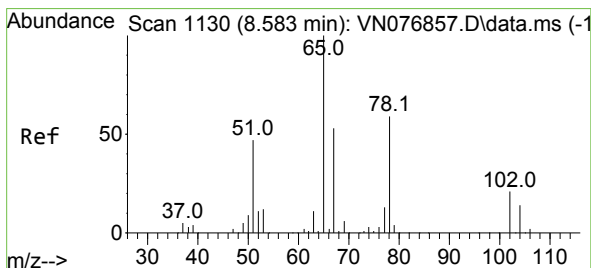
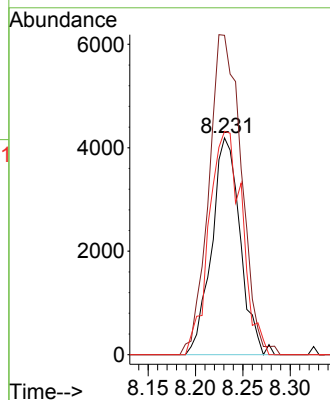
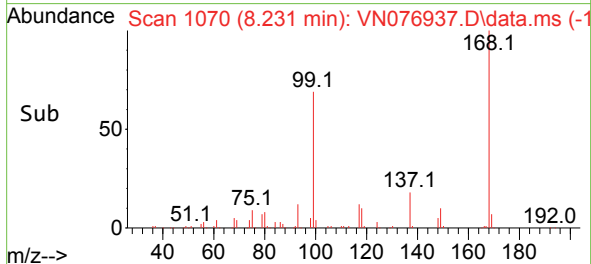


#31
Cyclohexane
Concen: 1.106 ug/l
RT: 8.231 min Scan# 1076
Delta R.T. -0.035 min
Lab File: VN076937.D
Acq: 10 Mar 2023 20:26

Instrument :
MSVOA_N
ClientSampleId :
TB01

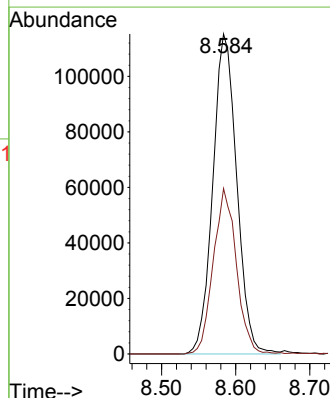
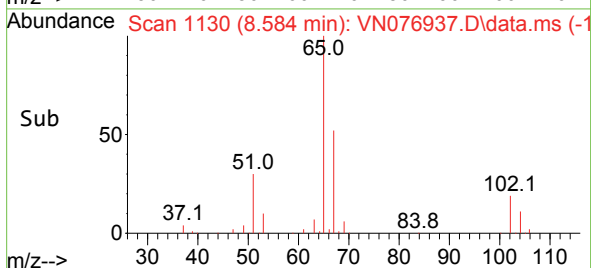
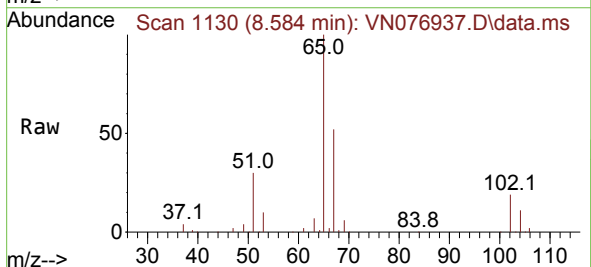


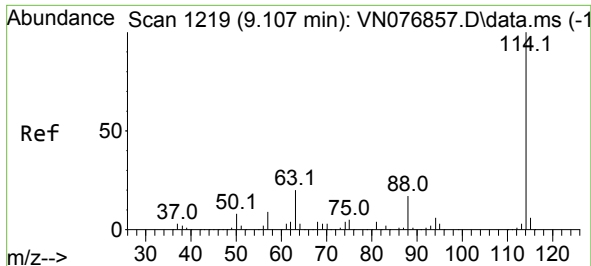
Tgt Ion: 56 Resp: 8738
Ion Ratio Lower Upper
56 100
69 147.3 27.0 40.6#
84 103.0 82.9 124.3



#33
1,2-Dichloroethane-d4
Concen: 46.935 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076937.D
Acq: 10 Mar 2023 20:26

Tgt Ion: 65 Resp: 258510
Ion Ratio Lower Upper
65 100
67 49.9 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076937.D

Acq: 10 Mar 2023 20:26

Instrument :

MSVOA_N

ClientSampleId :

TB01

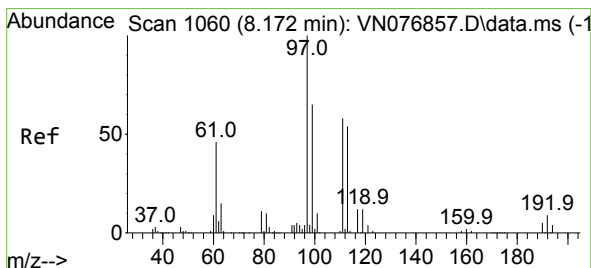
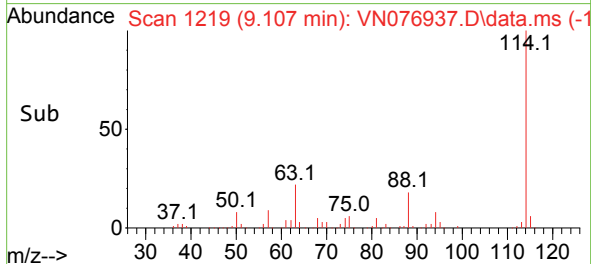
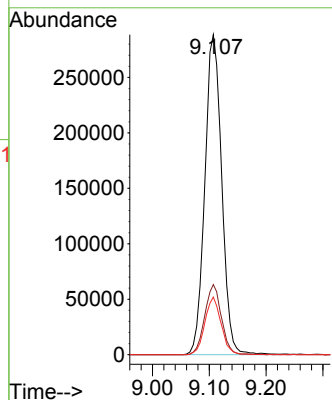
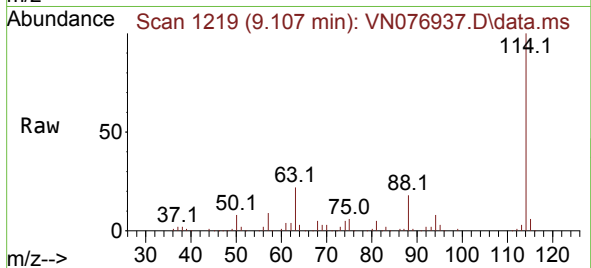
Tgt Ion:114 Resp: 594104

Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.6

88 18.0 0.0 28.6



#35

Dibromofluoromethane

Concen: 48.076 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN076937.D

Acq: 10 Mar 2023 20:26

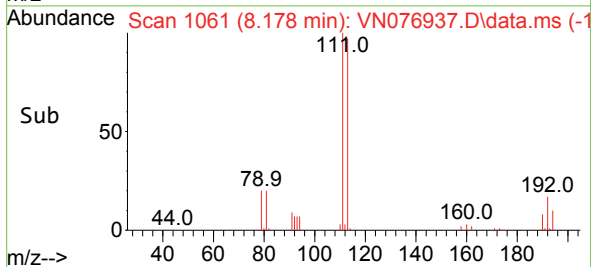
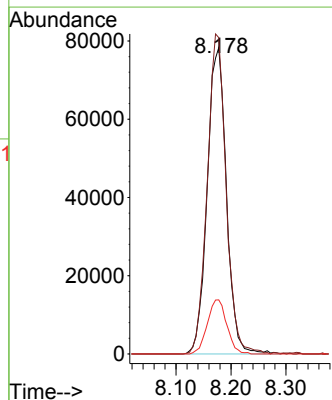
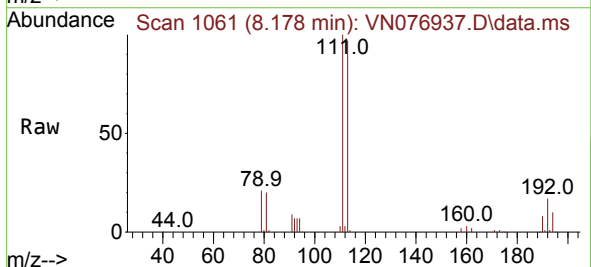
Tgt Ion:113 Resp: 190356

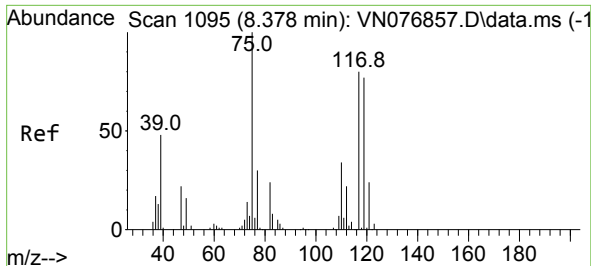
Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

192 17.9 13.9 20.9





#36

1,1-Dichloropropene

Concen: 5.044 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.147 min

Lab File: VN076937.D

Acq: 10 Mar 2023 20:26

Instrument :

MSVOA_N

ClientSampleId :

TB01

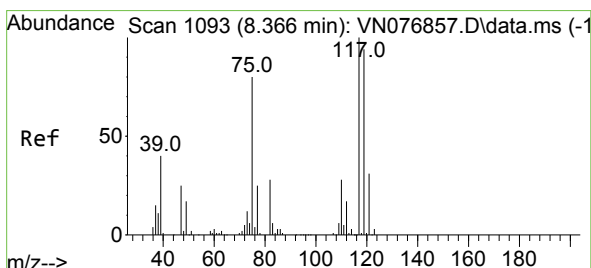
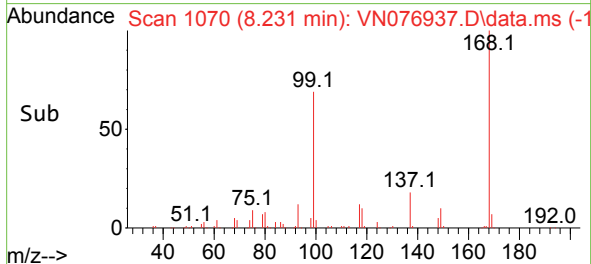
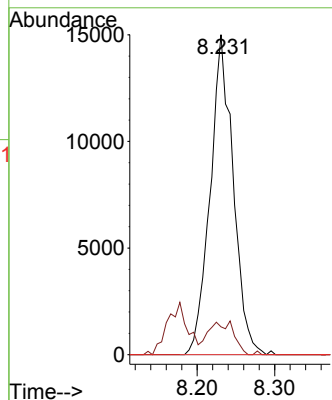
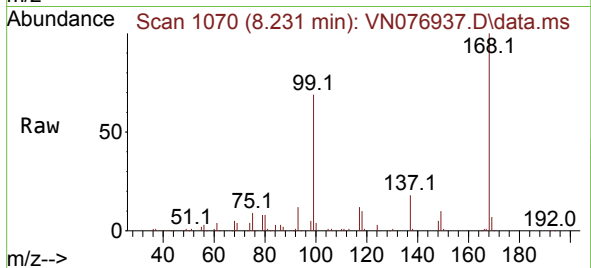
Tgt Ion: 75 Resp: 30886

Ion Ratio Lower Upper

75 100

110 11.6 18.9 56.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.129 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.141 min

Lab File: VN076937.D

Acq: 10 Mar 2023 20:26

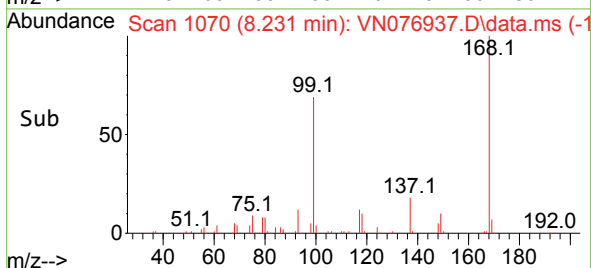
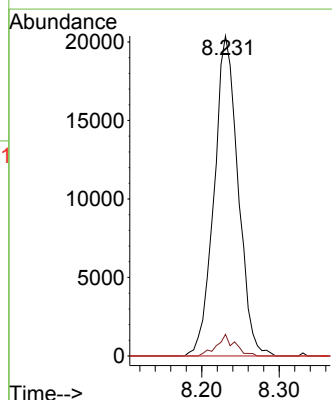
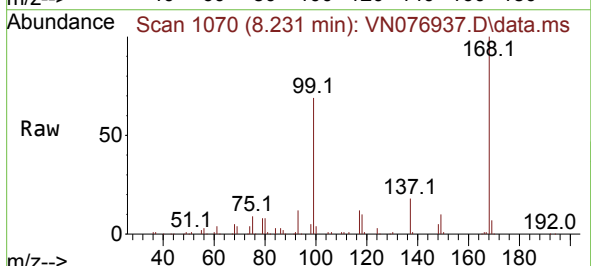
Tgt Ion: 117 Resp: 43930

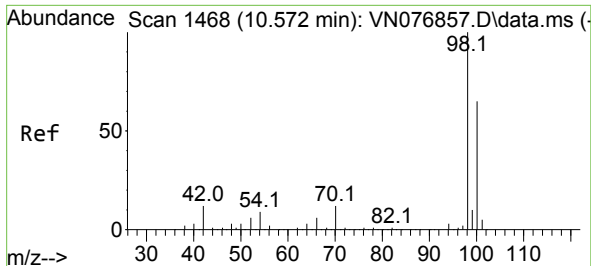
Ion Ratio Lower Upper

117 100

119 6.8 76.9 115.3#

121 0.0 23.2 34.8#

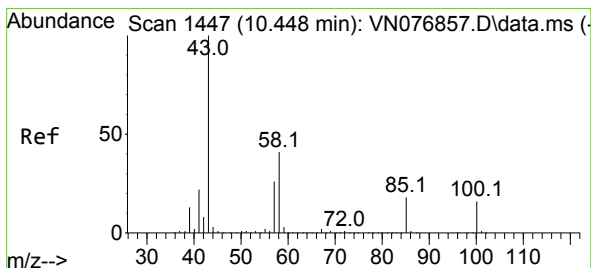
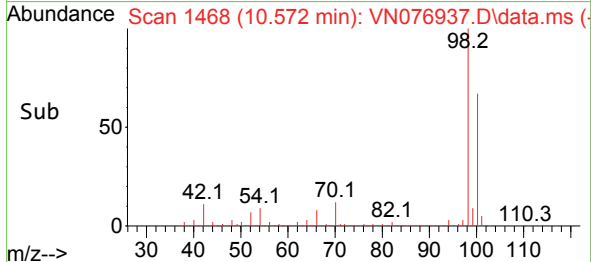
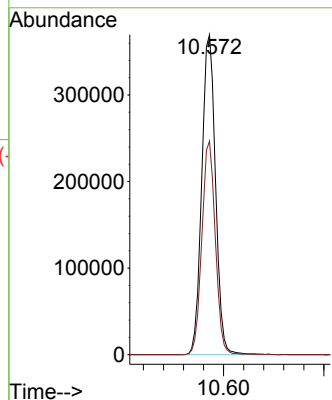
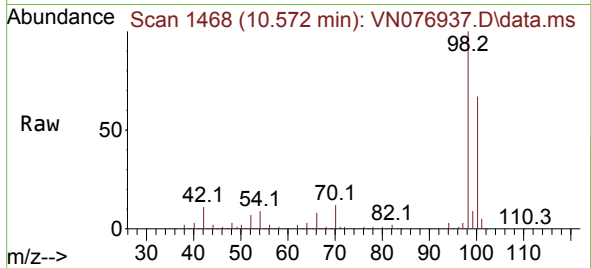




#50
Toluene-d8
Concen: 48.174 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076937.D
Acq: 10 Mar 2023 20:26

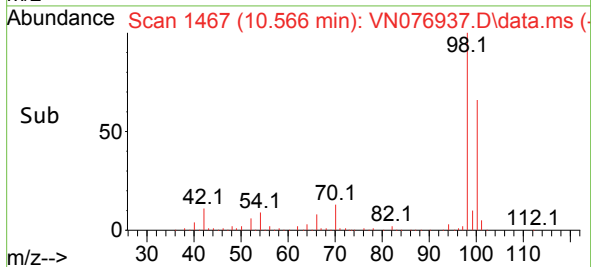
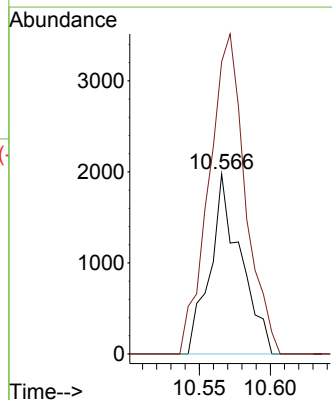
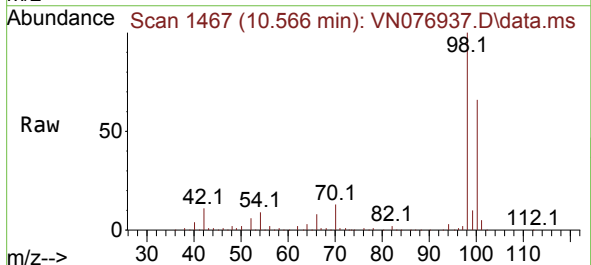
Instrument :
MSVOA_N
ClientSampleId :
TB01

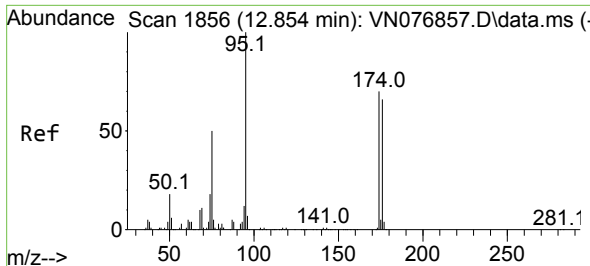
Tgt Ion: 98 Resp: 702992
Ion Ratio Lower Upper
98 100
100 65.6 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.567 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. 0.118 min
Lab File: VN076937.D
Acq: 10 Mar 2023 20:26

Tgt Ion: 43 Resp: 2942
Ion Ratio Lower Upper
43 100
58 213.4 37.4 56.0#

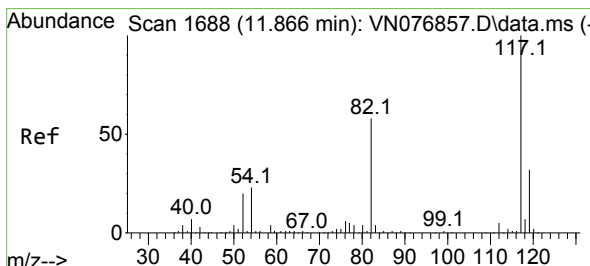
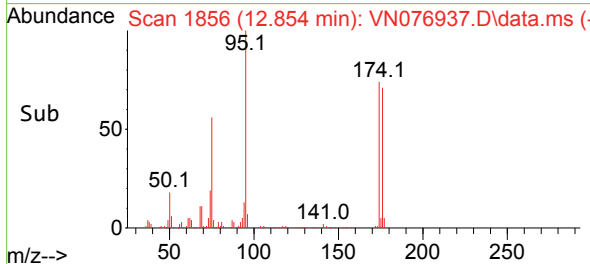
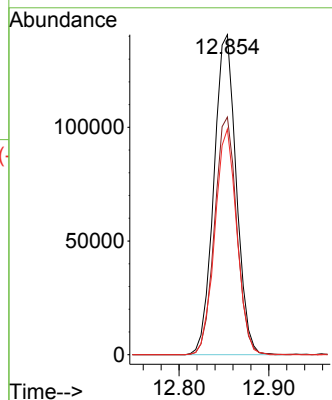
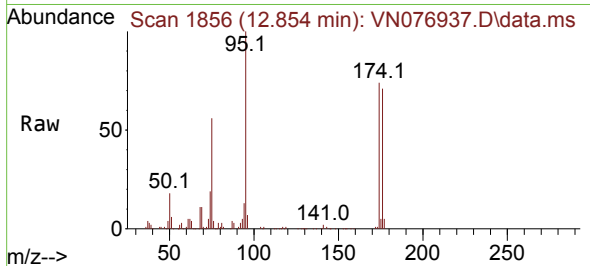




#62
4-Bromofluorobenzene
Concen: 45.617 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076937.D
Acq: 10 Mar 2023 20:26

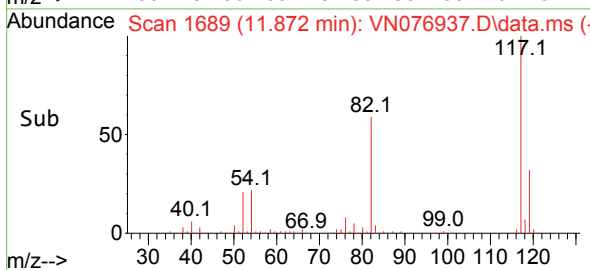
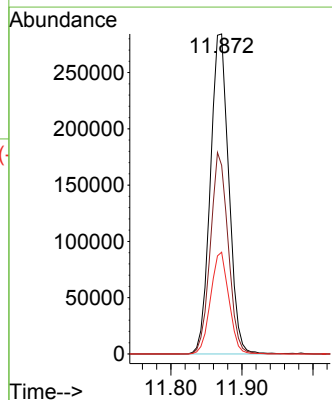
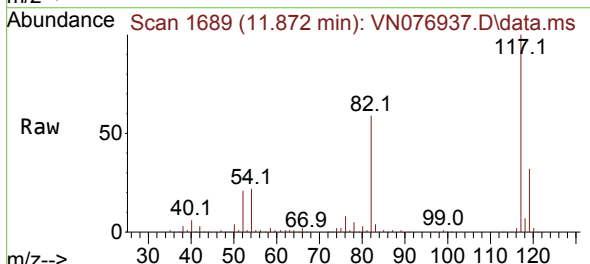
Instrument :
MSVOA_N
ClientSampleId :
TB01

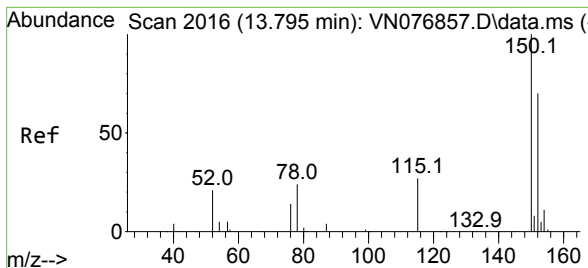
Tgt Ion: 95 Resp: 243485
Ion Ratio Lower Upper
95 100
174 73.7 0.0 162.4
176 69.3 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076937.D
Acq: 10 Mar 2023 20:26

Tgt Ion: 117 Resp: 512086
Ion Ratio Lower Upper
117 100
82 59.0 43.5 65.3
119 31.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN076937.D

Acq: 10 Mar 2023 20:26

Instrument :

MSVOA_N

ClientSampleId :

TB01

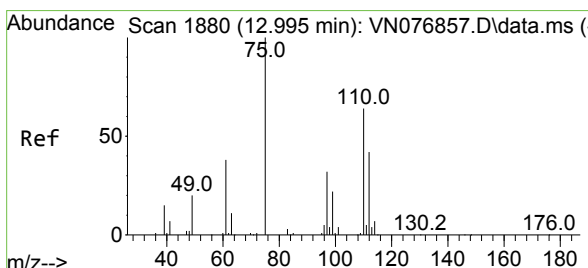
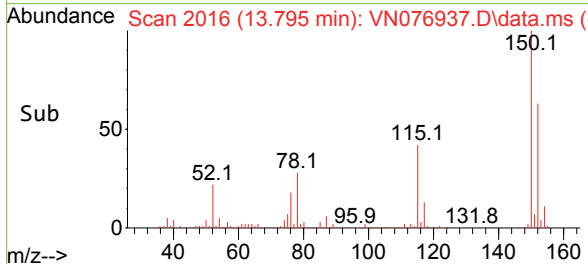
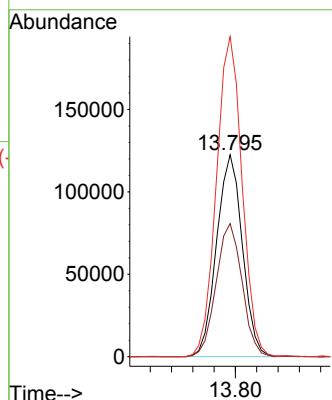
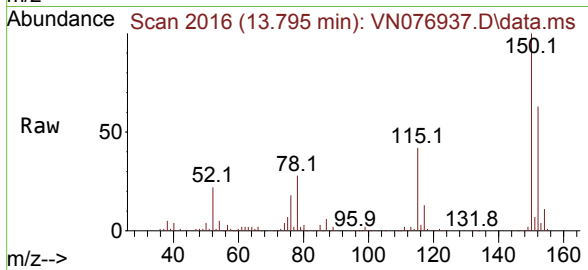
Tgt Ion:152 Resp: 205546

Ion Ratio Lower Upper

152 100

115 66.3 30.3 90.9

150 158.0 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 27.041 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN076937.D

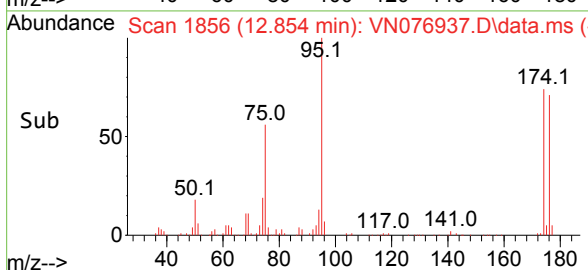
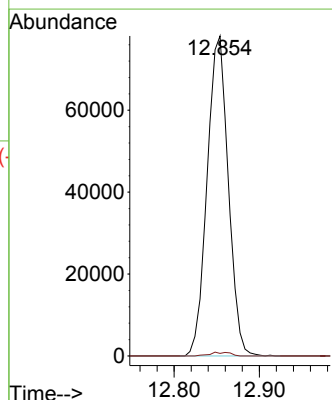
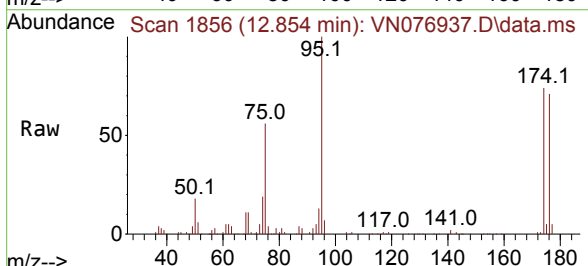
Acq: 10 Mar 2023 20:26

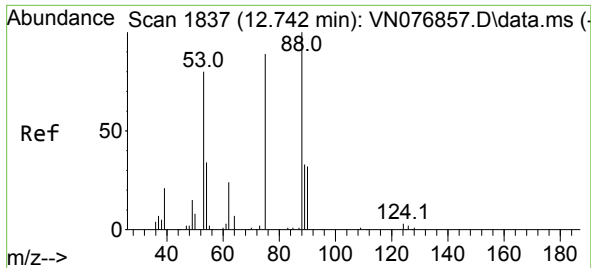
Tgt Ion: 75 Resp: 134752

Ion Ratio Lower Upper

75 100

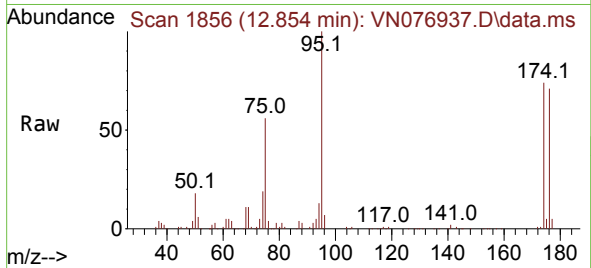
77 1.1 93.8 281.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.328 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN076937.D
 Acq: 10 Mar 2023 20:26

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01



Tgt Ion: 75 Resp: 134752
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.0 39.5 59.3#

