

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076972.D
 Acq On : 13 Mar 2023 19:21
 Operator : JC\MD
 Sample : 01880-10 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20230309

Quant Time: Mar 14 07:06:46 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)

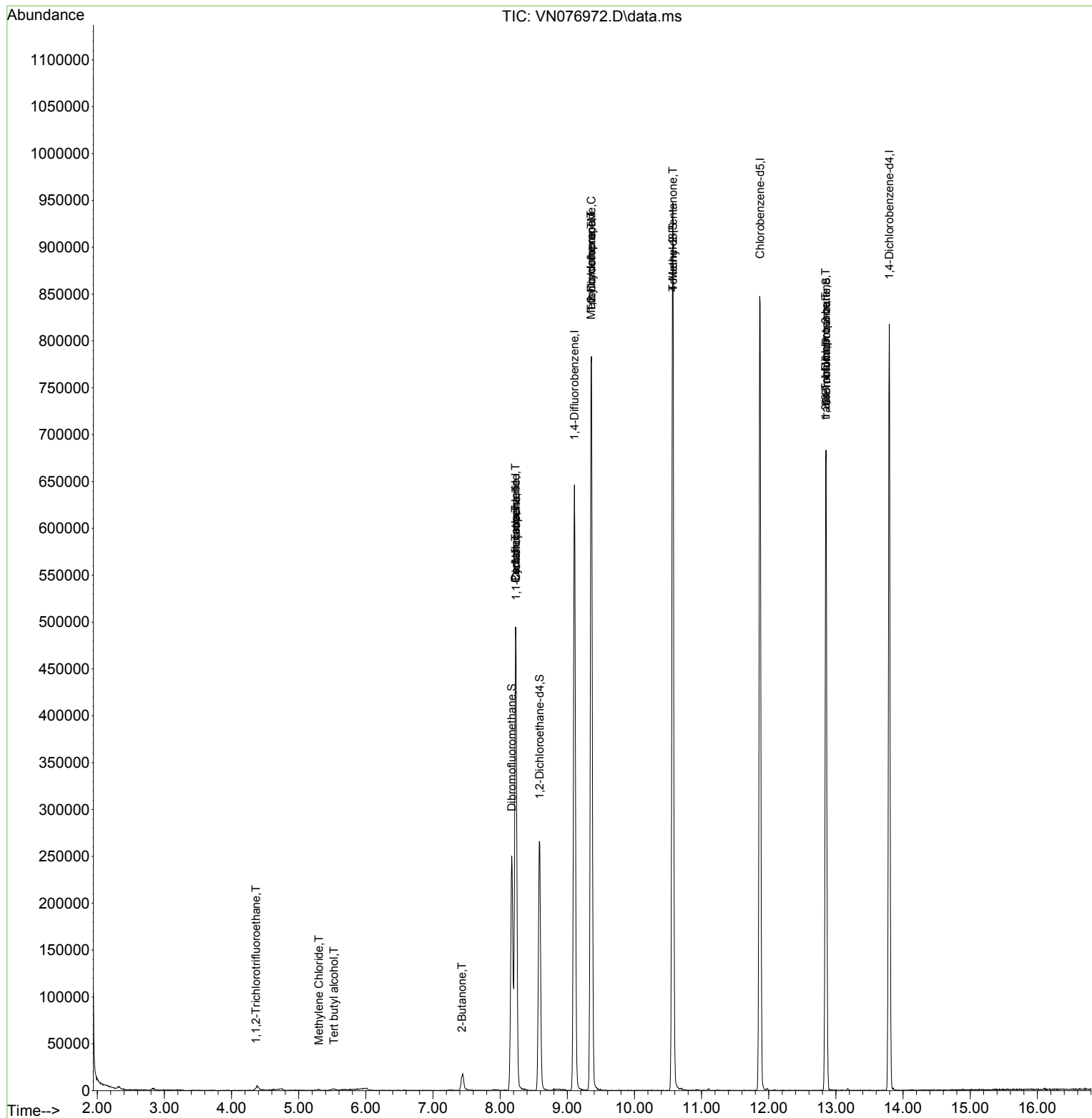
Internal Standards						
1) Pentafluorobenzene	8.231	168	339817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	543677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	490377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	212653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	248022	48.910	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.820%		
35) Dibromofluoromethane	8.172	113	176623	48.745	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.480%		
50) Toluene-d8	10.572	98	648907	48.592	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.180%		
62) 4-Bromofluorobenzene	12.854	95	238648	48.858	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.720%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.366	101	849	0.208	ug/l #	33
11) Tert butyl alcohol	5.525	59	1652	2.342	ug/l #	72
20) Methylene Chloride	5.301	84	1059	0.234	ug/l #	44
25) 2-Butanone	7.431	43	652	0.261	ug/l #	39
31) Cyclohexane	8.231	56	8329	1.145	ug/l #	28
36) 1,1-Dichloropropene	8.236	75	28862	5.150	ug/l #	50
38) Carbon Tetrachloride	8.231	117	39364	6.002	ug/l #	16
39) Methylcyclohexane	9.354	83	4550	0.669	ug/l #	1
44) Trichloroethene	9.360	130	282512	66.177	ug/l	98
45) 1,2-Dichloropropane	9.360	63	1223	0.301	ug/l #	1
51) 4-Methyl-2-Pentanone	10.572	43	2716	0.571	ug/l #	1
71) Bromoform	12.854	173	1207	0.389	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75	138776	26.917	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	138776	87.925	ug/l #	15

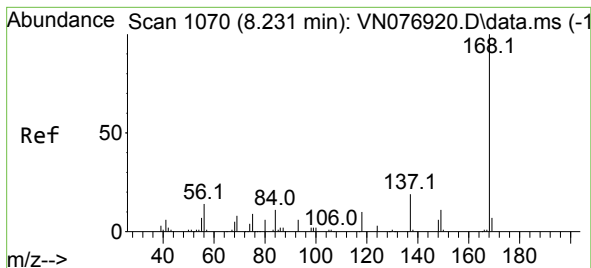
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 10 13:47:39 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076972.D

Acq: 13 Mar 2023 19:21

Instrument :

MSVOA_N

ClientSampleId :

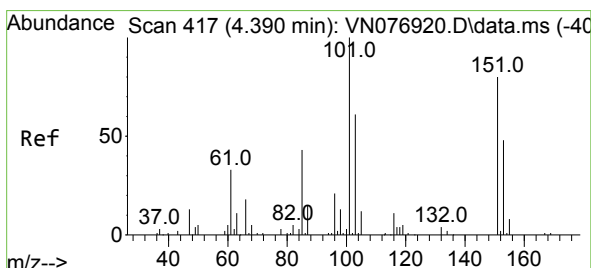
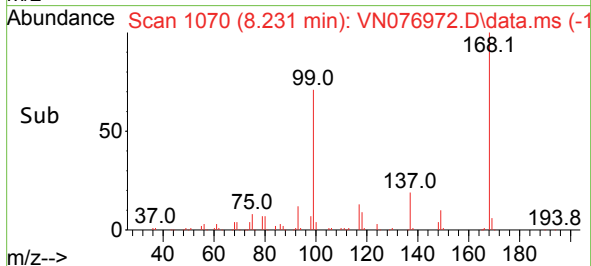
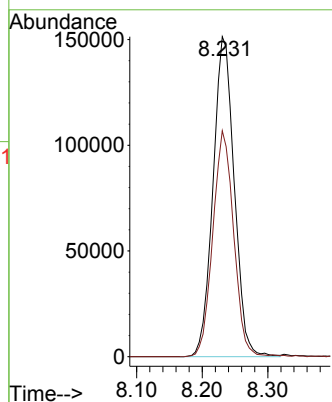
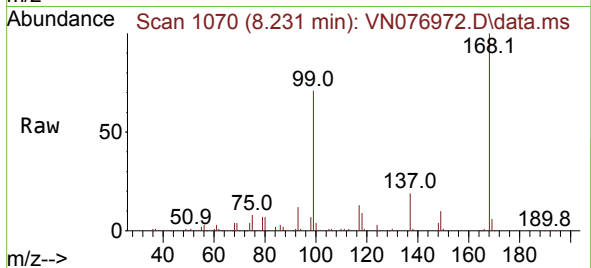
RE105D2-20230309

Tgt Ion:168 Resp: 339817

Ion Ratio Lower Upper

168 100

99 70.6 48.6 73.0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.208 ug/l

RT: 4.366 min Scan# 413

Delta R.T. -0.024 min

Lab File: VN076972.D

Acq: 13 Mar 2023 19:21

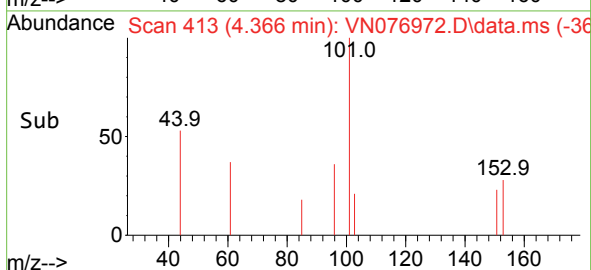
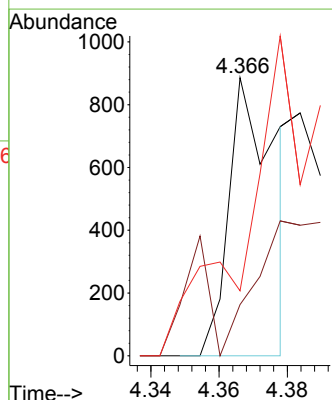
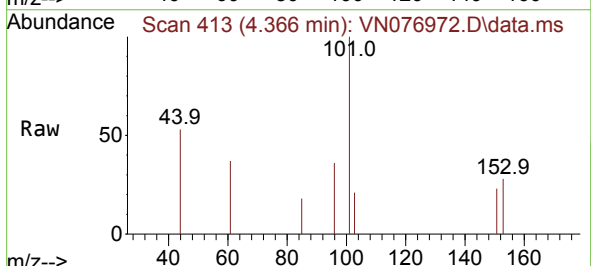
Tgt Ion:101 Resp: 849

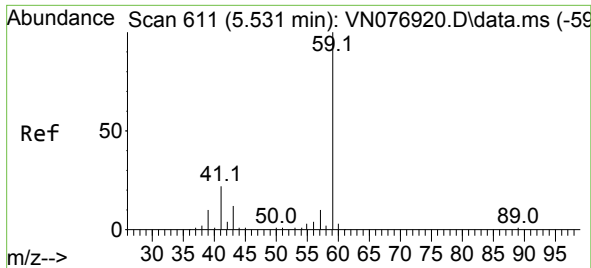
Ion Ratio Lower Upper

101 100

85 22.6 35.2 52.8#

151 0.0 58.9 88.3#

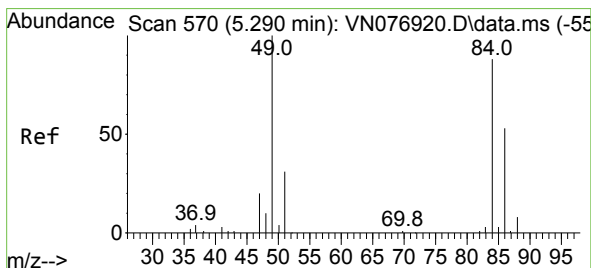
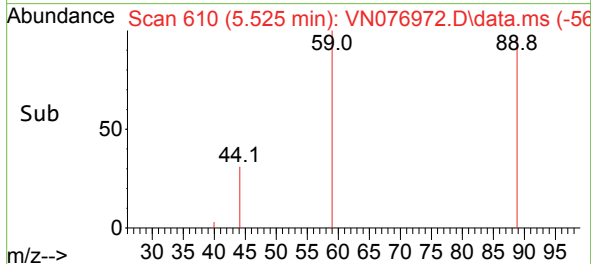
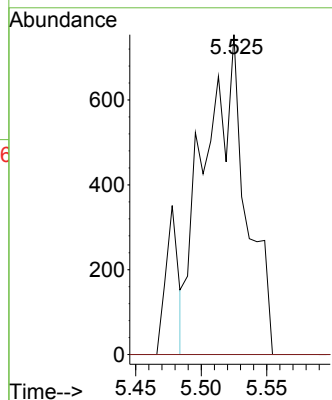
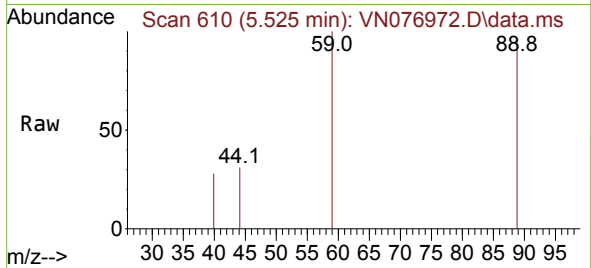




#11
Tert butyl alcohol
Concen: 2.342 ug/l
RT: 5.525 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN076972.D
Acq: 13 Mar 2023 19:21

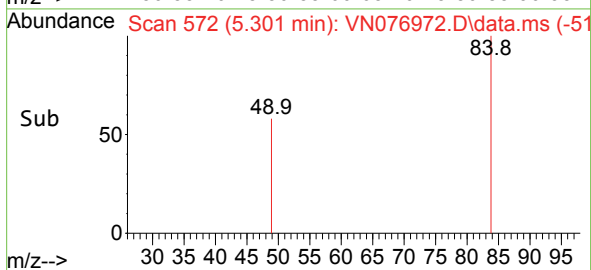
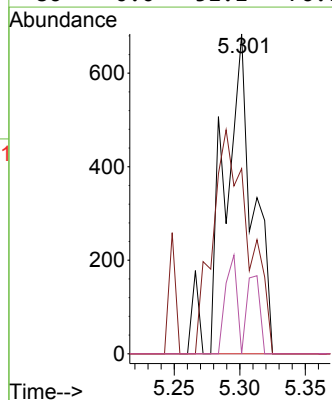
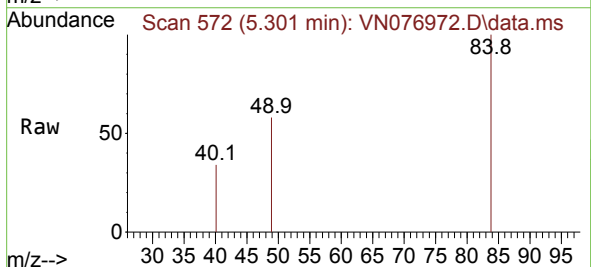
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RE105D2-20230309

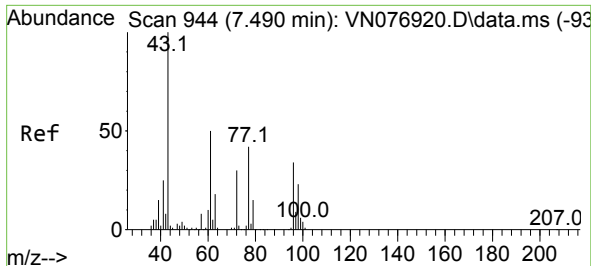
Tgt Ion: 59 Resp: 1652
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#20
Methylene Chloride
Concen: 0.234 ug/l
RT: 5.301 min Scan# 572
Delta R.T. 0.011 min
Lab File: VN076972.D
Acq: 13 Mar 2023 19:21

Tgt Ion: 84 Resp: 1059
Ion Ratio Lower Upper
84 100
49 57.9 76.6 114.8#
51 0.0 25.4 38.2#
86 0.0 51.1 76.7#

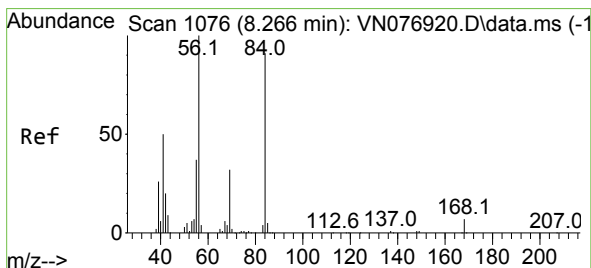
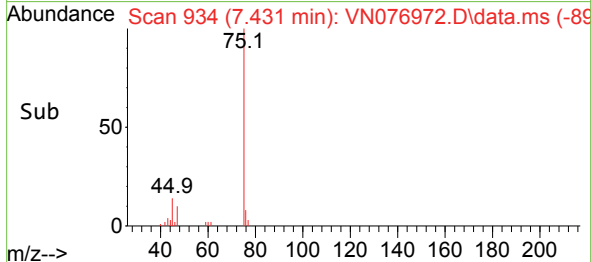
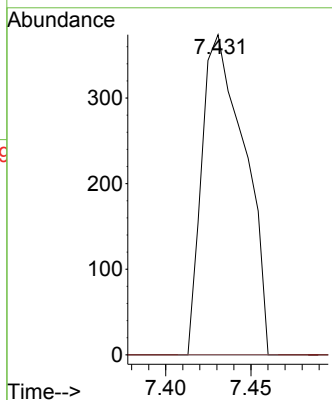
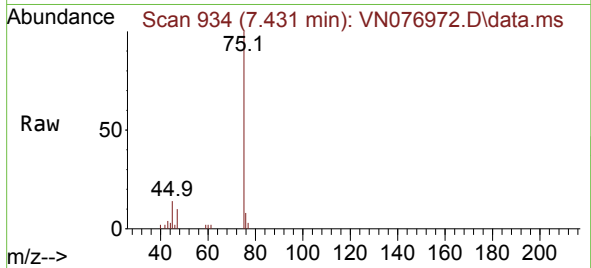




#25
2-Butanone
Concen: 0.261 ug/l
RT: 7.431 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN076972.D
Acq: 13 Mar 2023 19:21

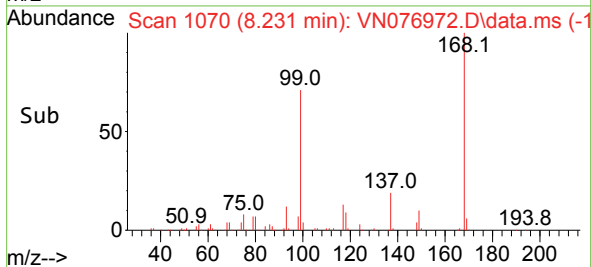
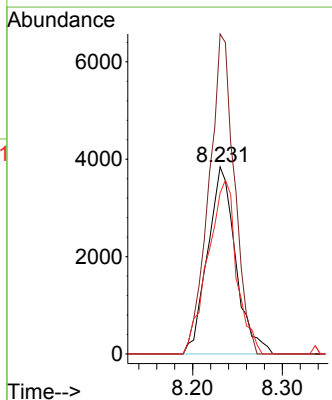
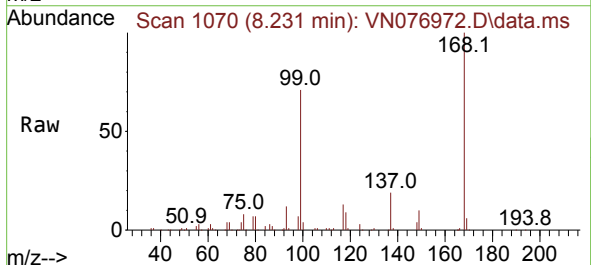
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20230309

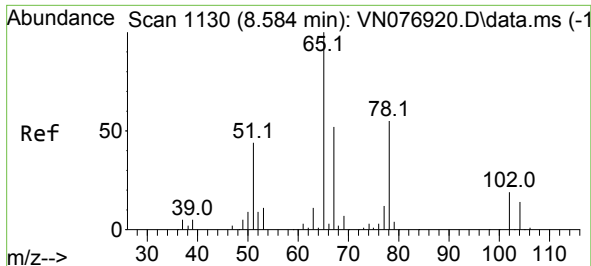
Tgt Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
72 0.0 28.8 43.2#



#31
Cyclohexane
Concen: 1.145 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.035 min
Lab File: VN076972.D
Acq: 13 Mar 2023 19:21

Tgt Ion: 56 Resp: 8329
Ion Ratio Lower Upper
56 100
69 171.1 27.0 40.6#
84 86.0 82.9 124.3

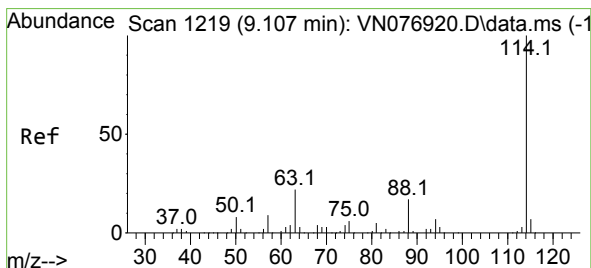
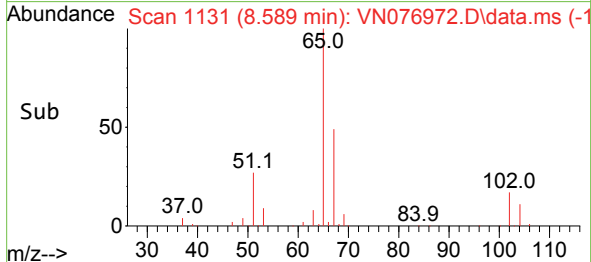
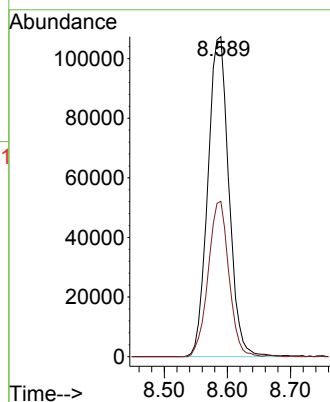
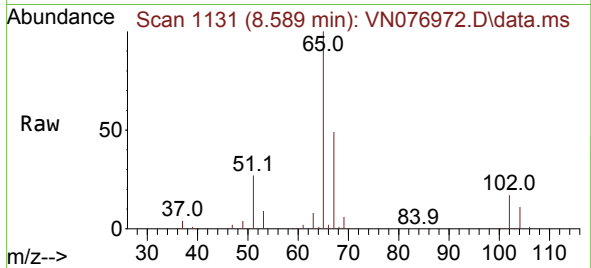




#33
 1,2-Dichloroethane-d4
 Concen: 48.910 ug/l
 RT: 8.589 min Scan# 1130
 Delta R.T. 0.005 min
 Lab File: VN076972.D
 Acq: 13 Mar 2023 19:21

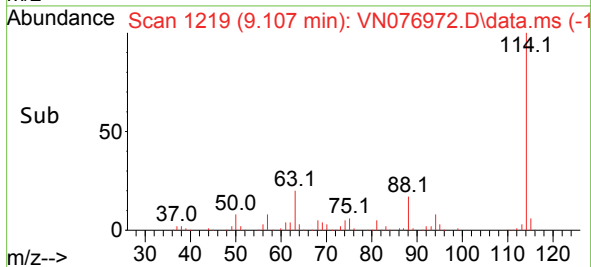
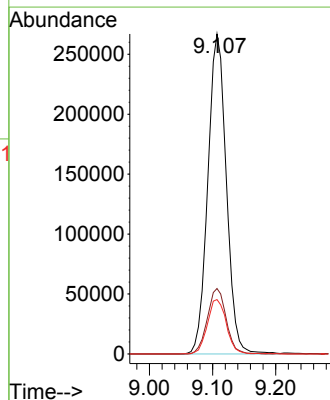
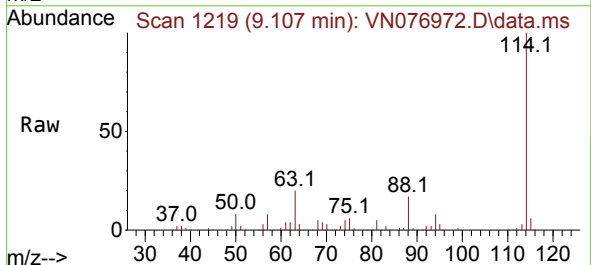
Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20230309

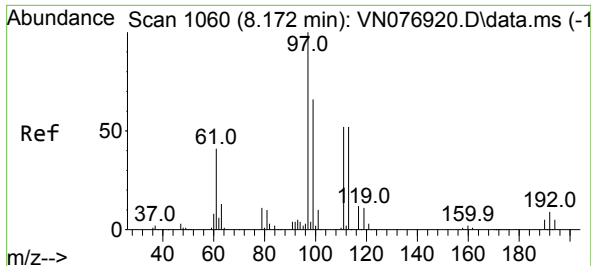
Tgt Ion: 65 Resp: 248022
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. 0.000 min
 Lab File: VN076972.D
 Acq: 13 Mar 2023 19:21

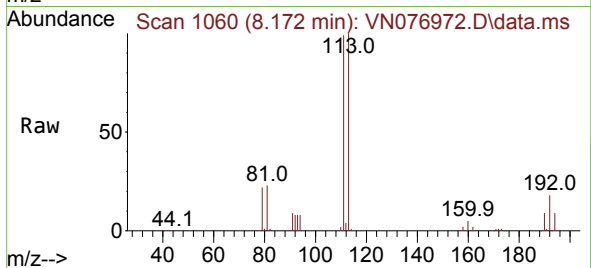
Tgt Ion: 114 Resp: 543677
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 36.6
 88 17.0 0.0 28.6



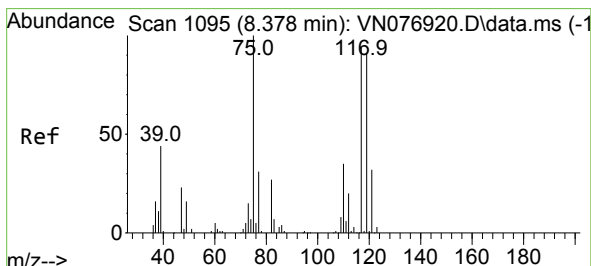
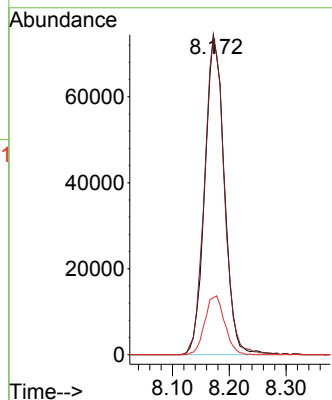
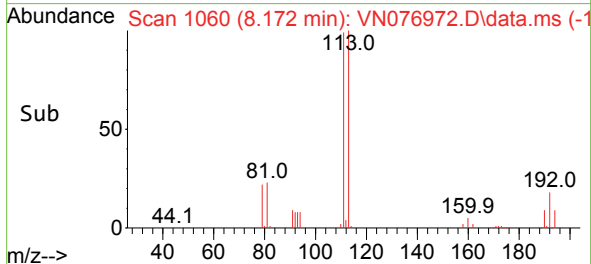


#35
Dibromofluoromethane
Concen: 48.745 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076972.D
Acq: 13 Mar 2023 19:21

Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20230309

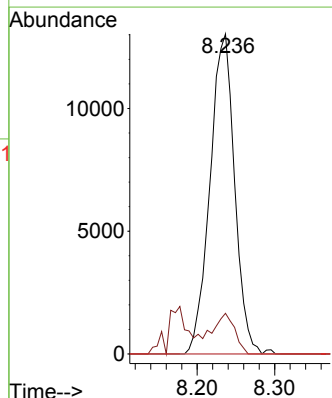
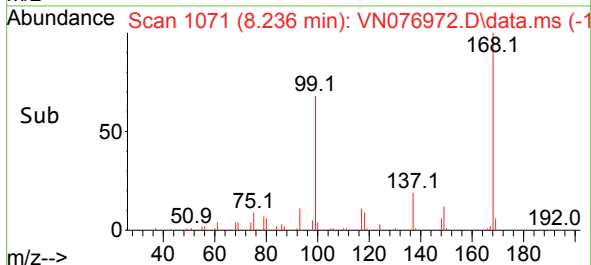
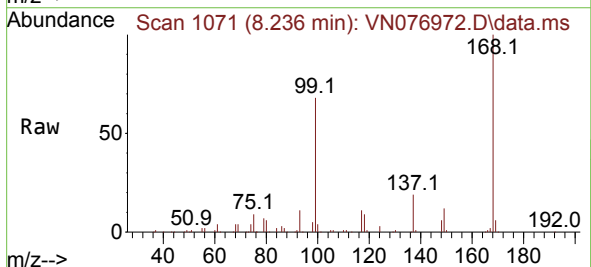


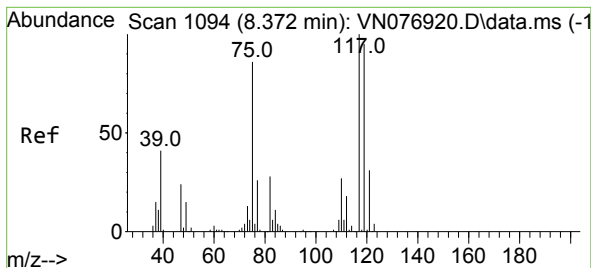
Tgt Ion:113 Resp: 176623
Ion Ratio Lower Upper
113 100
111 101.3 81.8 122.8
192 18.8 13.9 20.9



#36
1,1-Dichloropropene
Concen: 5.150 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.142 min
Lab File: VN076972.D
Acq: 13 Mar 2023 19:21

Tgt Ion: 75 Resp: 28862
Ion Ratio Lower Upper
75 100
110 11.2 18.9 56.9#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.002 ug/l

RT: 8.231 min Scan# 1094

Delta R.T. -0.141 min

Lab File: VN076972.D

Acq: 13 Mar 2023 19:21

Instrument :

MSVOA_N

ClientSampleId :

RE105D2-20230309

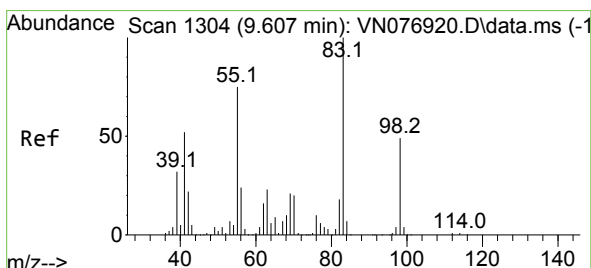
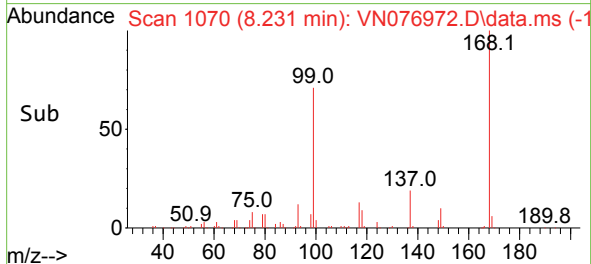
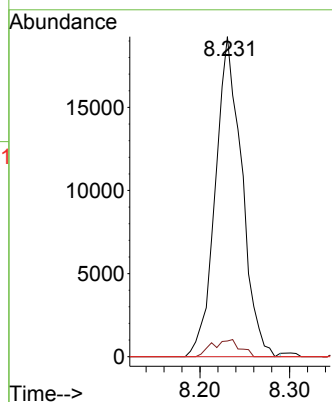
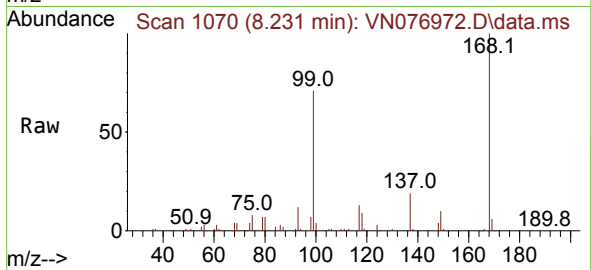
Tgt Ion:117 Resp: 39364

Ion Ratio Lower Upper

117 100

119 4.9 76.9 115.3#

121 0.0 23.2 34.8#



#39

Methylcyclohexane

Concen: 0.669 ug/l

RT: 9.354 min Scan# 1261

Delta R.T. -0.253 min

Lab File: VN076972.D

Acq: 13 Mar 2023 19:21

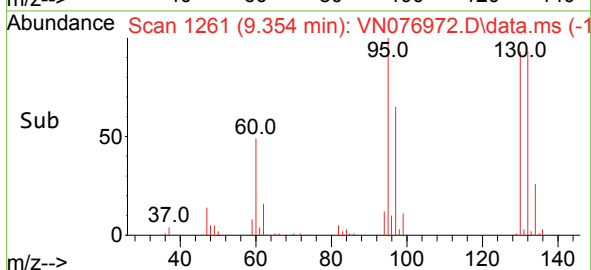
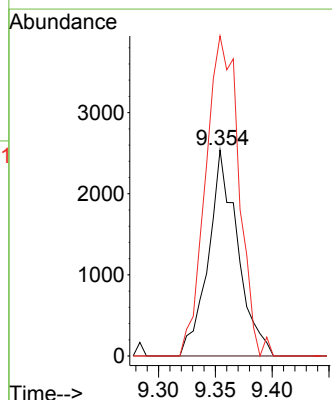
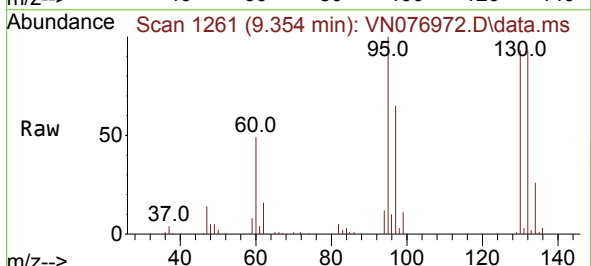
Tgt Ion: 83 Resp: 4550

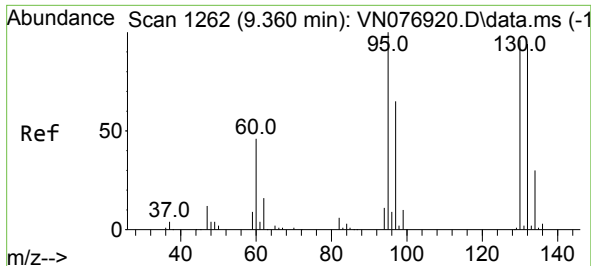
Ion Ratio Lower Upper

83 100

55 0.0 47.0 70.4#

98 155.4 39.4 59.0#

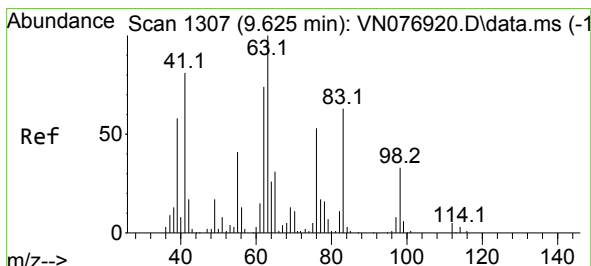
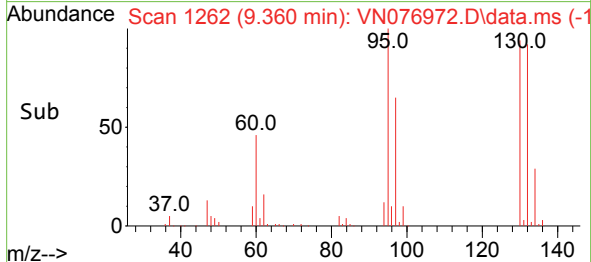
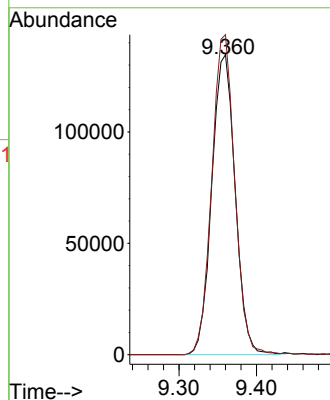
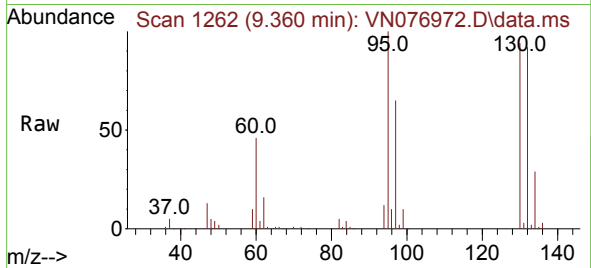




#44
Trichloroethene
Concen: 66.177 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. -0.000 min
Lab File: VN076972.D
Acq: 13 Mar 2023 19:21

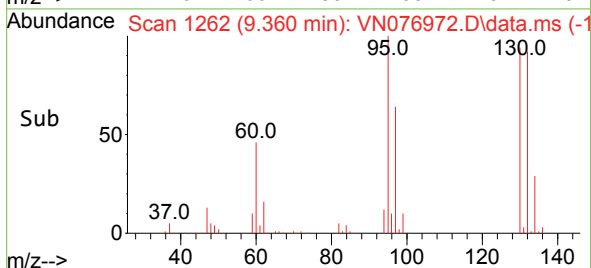
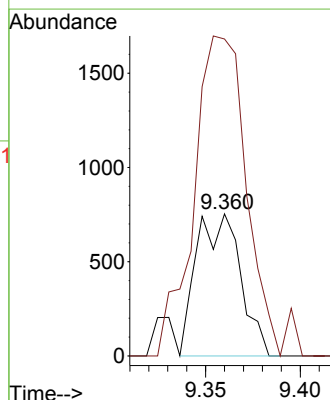
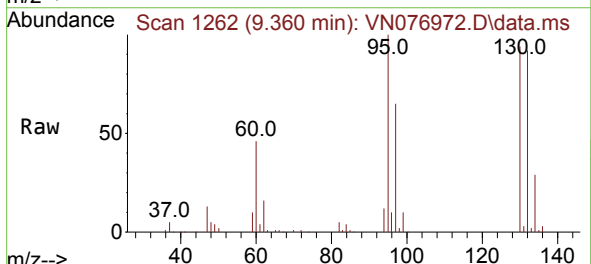
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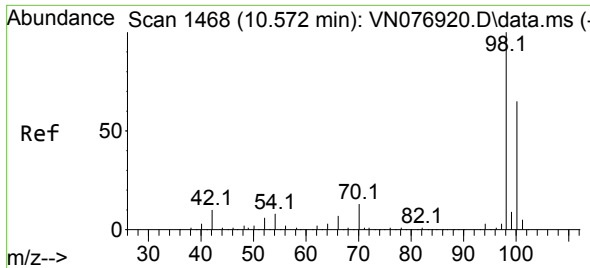
Tgt Ion:130 Resp: 282512
Ion Ratio Lower Upper
130 100
95 106.7 0.0 208.6



#45
1,2-Dichloropropane
Concen: 0.301 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. -0.265 min
Lab File: VN076972.D
Acq: 13 Mar 2023 19:21

Tgt Ion: 63 Resp: 1223
Ion Ratio Lower Upper
63 100
65 223.1 25.0 37.6#

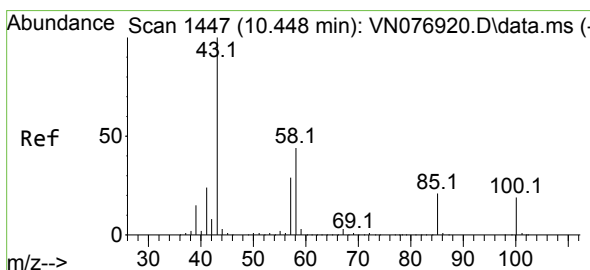
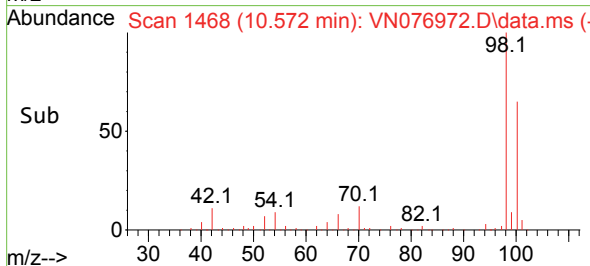
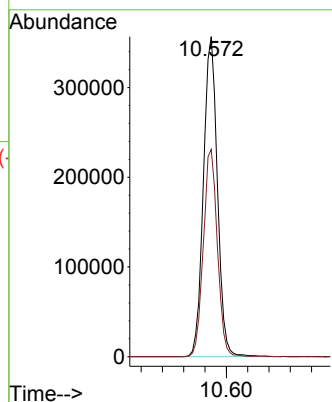
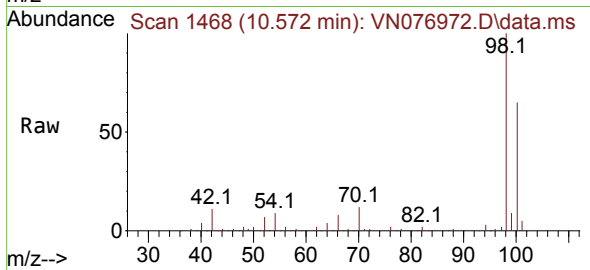




#50
Toluene-d8
Concen: 48.592 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076972.D
Acq: 13 Mar 2023 19:21

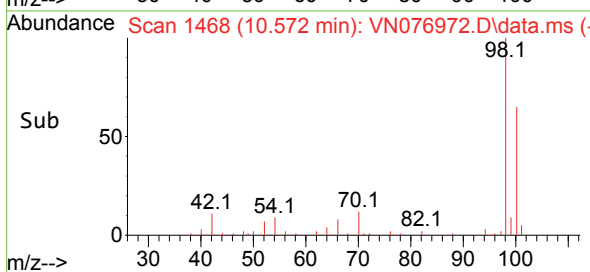
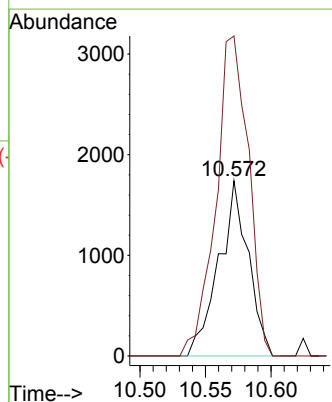
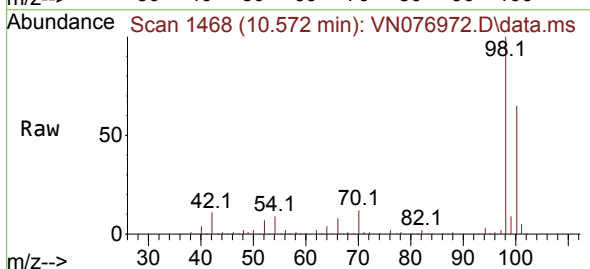
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20230309

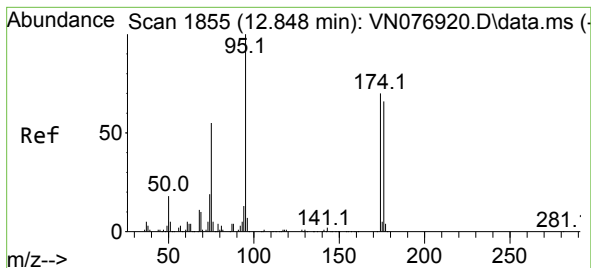
Tgt Ion: 98 Resp: 648907
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.571 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.124 min
Lab File: VN076972.D
Acq: 13 Mar 2023 19:21

Tgt Ion: 43 Resp: 2716
Ion Ratio Lower Upper
43 100
58 202.4 37.4 56.0#





#62

4-Bromofluorobenzene

Concen: 48.858 ug/l

RT: 12.854 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN076972.D

Acq: 13 Mar 2023 19:21

Instrument :

MSVOA_N

ClientSampleId :

RE105D2-20230309

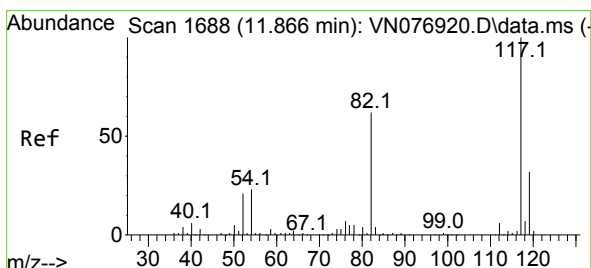
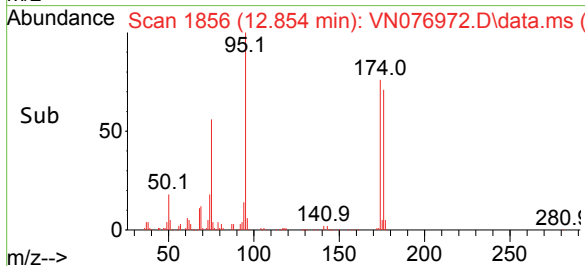
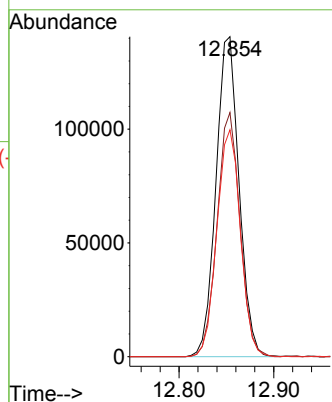
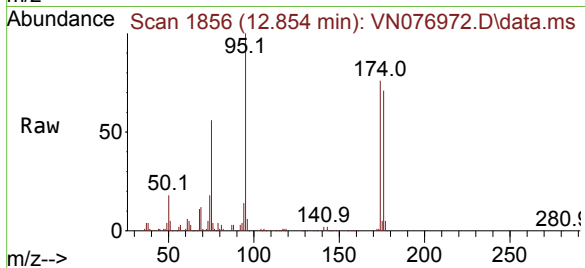
Tgt Ion: 95 Resp: 238648

Ion Ratio Lower Upper

95 100

174 75.5 0.0 162.4

176 72.3 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: VN076972.D

Acq: 13 Mar 2023 19:21

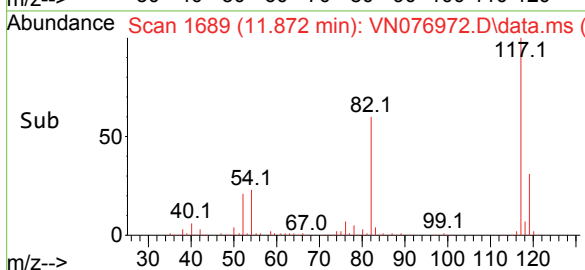
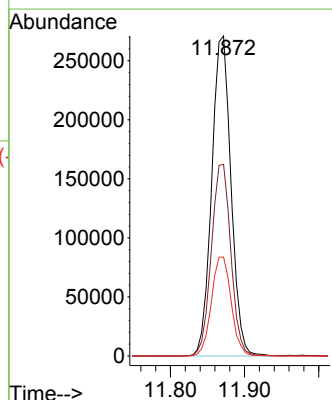
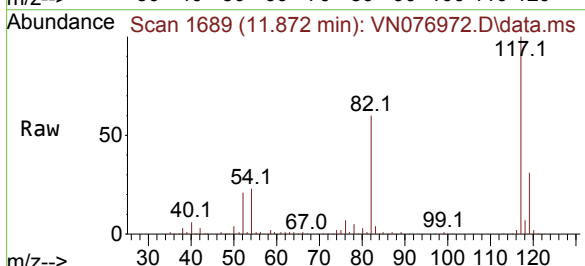
Tgt Ion: 117 Resp: 490377

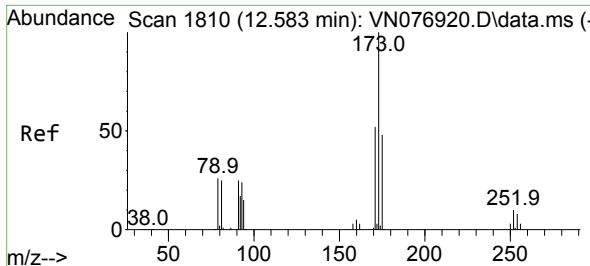
Ion Ratio Lower Upper

117 100

82 59.9 43.5 65.3

119 30.9 25.5 38.3

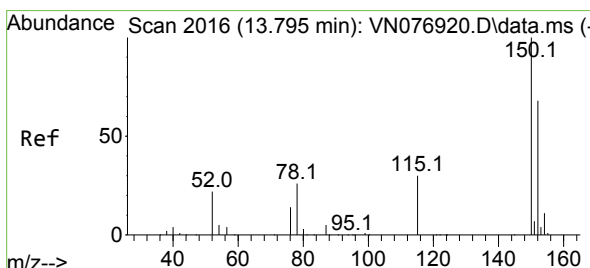
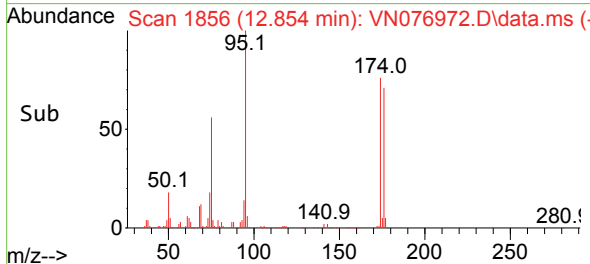
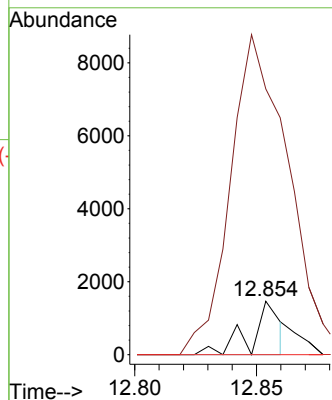
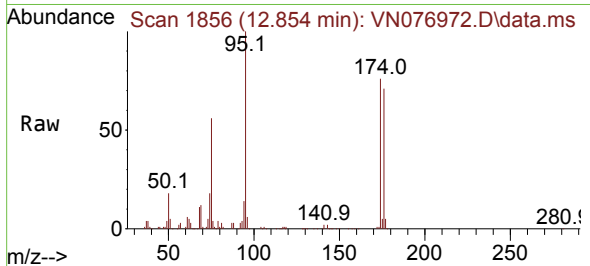




#71
Bromoform
Concen: 0.389 ug/l
RT: 12.854 min Scan# 1810
Delta R.T. 0.271 min
Lab File: VN076972.D
Acq: 13 Mar 2023 19:21

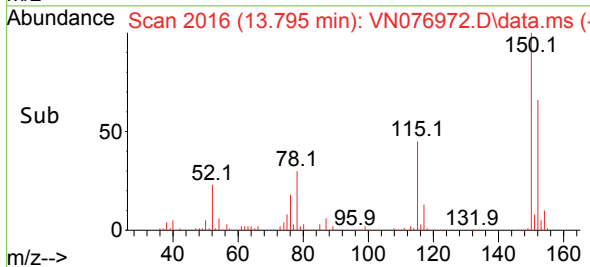
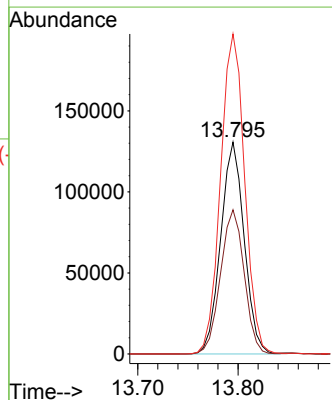
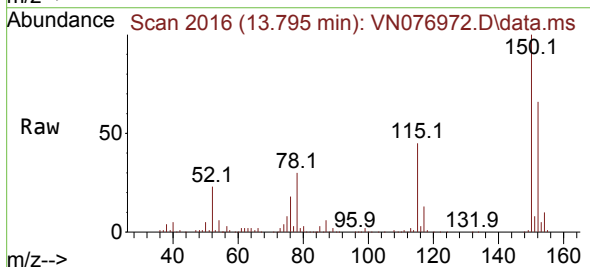
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20230309

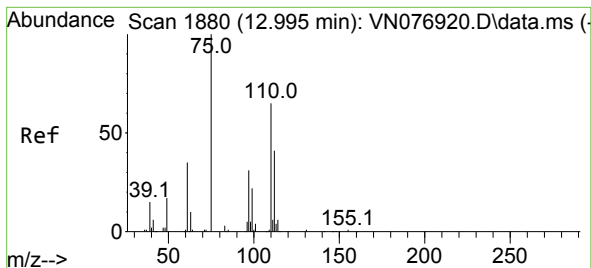
Tgt Ion:173 Resp: 1207
Ion Ratio Lower Upper
173 100
175 979.5 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076972.D
Acq: 13 Mar 2023 19:21

Tgt Ion:152 Resp: 212653
Ion Ratio Lower Upper
152 100
115 68.5 30.3 90.9
150 155.1 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 26.917 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. -0.147 min

Lab File: VN076972.D

Acq: 13 Mar 2023 19:21

Instrument :

MSVOA_N

ClientSampleId :

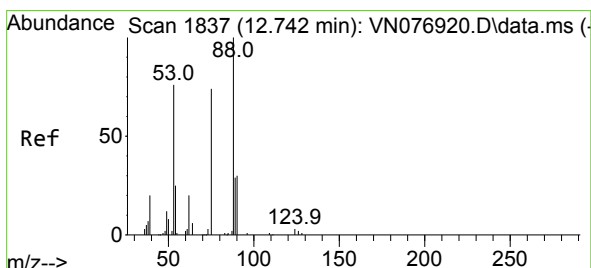
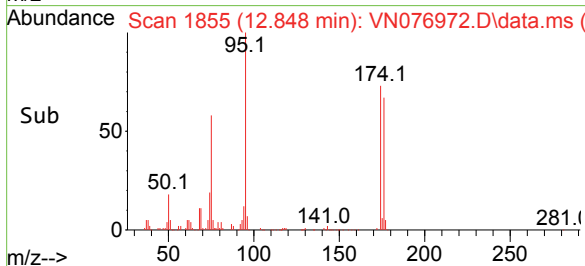
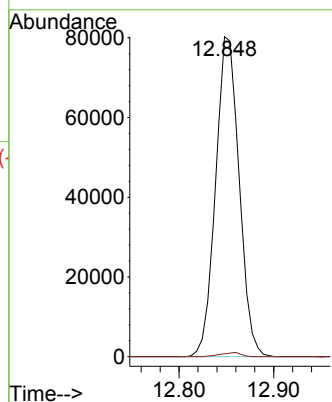
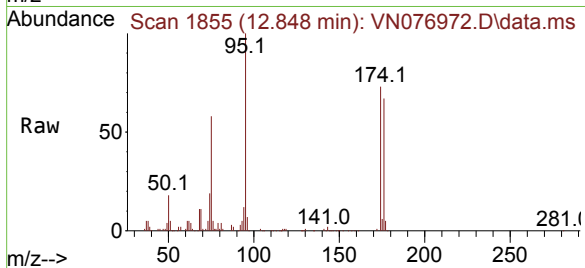
RE105D2-20230309

Tgt Ion: 75 Resp: 138776

Ion Ratio Lower Upper

75 100

77 1.1 93.8 281.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.925 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. 0.106 min

Lab File: VN076972.D

Acq: 13 Mar 2023 19:21

Tgt Ion: 75 Resp: 138776

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 39.5 59.3#

