

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020623\
 Data File : VN076552.D
 Acq On : 06 Feb 2023 19:24
 Operator : JC\MD
 Sample : 01437-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31881

Quant Time: Feb 07 04:50:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 07 01:44:01 2023
 Response via : Initial Calibration

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

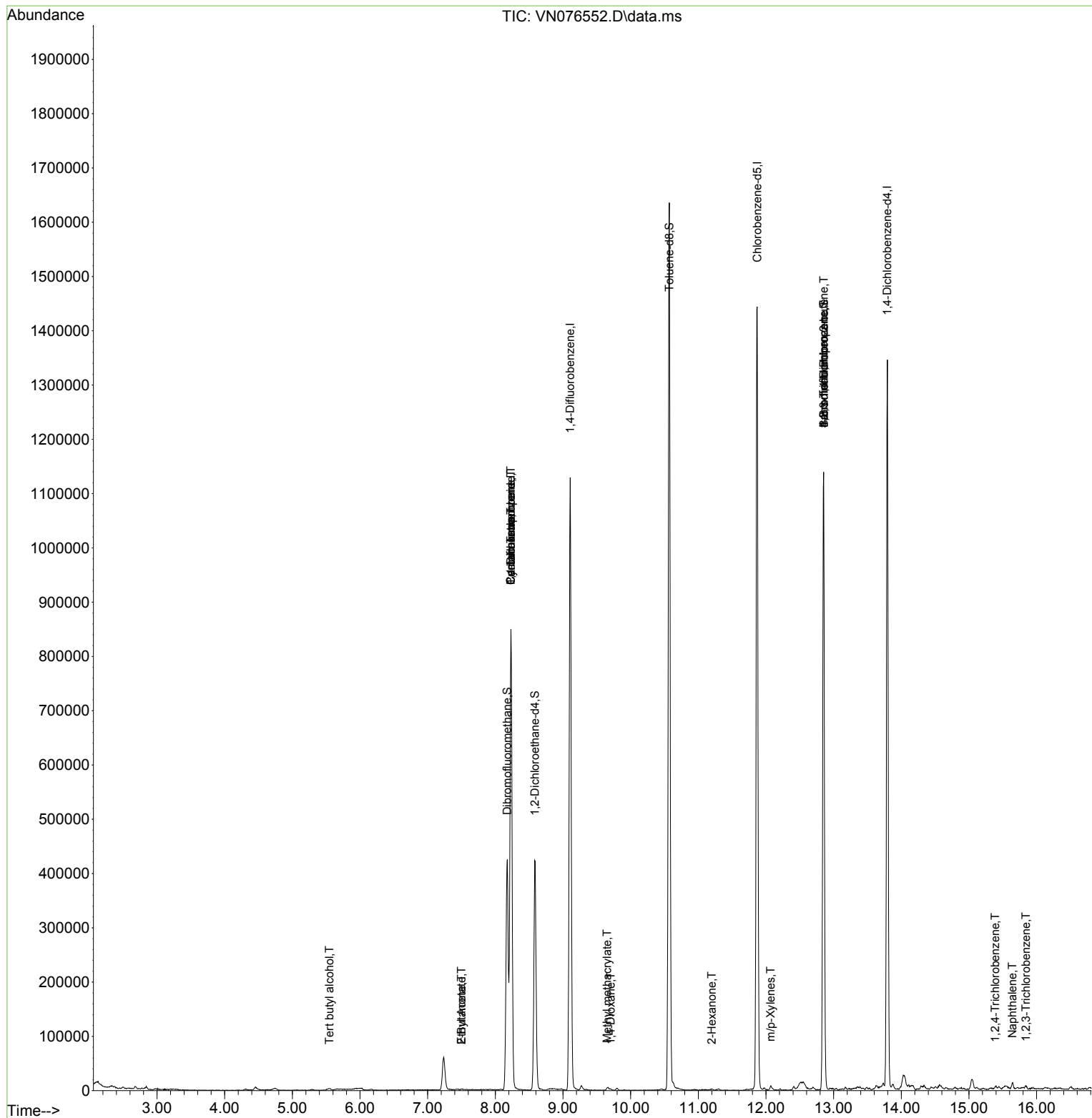
Internal Standards						
1) Pentafluorobenzene	8.230	168	639320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1040982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	918757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	382853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	350579	46.054	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.100%
35) Dibromofluoromethane	8.177	113	313517	48.668	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.340%
50) Toluene-d8	10.571	98	1202049	49.113	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.220%
62) 4-Bromofluorobenzene	12.853	95	417303	49.194	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	124	Below Cal	#	42
11) Tert butyl alcohol	5.547	59	5958	5.752	ug/l #	79
16) Acetone	4.459	43	10724	Below Cal		96
25) 2-Butanone	7.500	43	1987	0.528	ug/l #	87
31) Cyclohexane	8.230	56	11558	0.971	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	46684	5.072	ug/l #	49
37) Ethyl Acetate	7.500	43	1987	0.271	ug/l #	66
38) Carbon Tetrachloride	8.230	117	66240	6.605	ug/l #	16
48) Methyl methacrylate	9.653	41	1683	0.295	ug/l #	34
49) 1,4-Dioxane	9.706	88	2204	16.405	ug/l #	97
59) 2-Hexanone	11.200	43	2168	0.417	ug/l	70
68) m/p-Xylenes	12.071	106	2773	0.214	ug/l	92
71) Bromoform	12.853	173	2311	0.465	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	207416	26.561	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	207416	88.449	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.388	180	2093	0.364	ug/l #	73
95) Naphthalene	15.641	128	11152	0.658	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.841	180	2001	0.362	ug/l	86

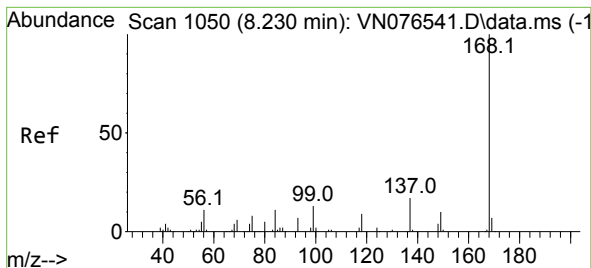
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN076552.D

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MSVOA_N

ClientSampleId :

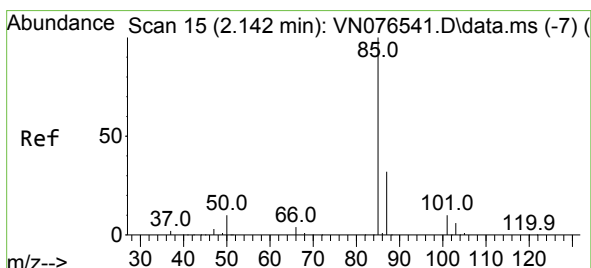
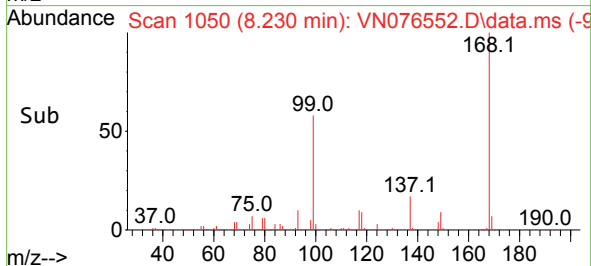
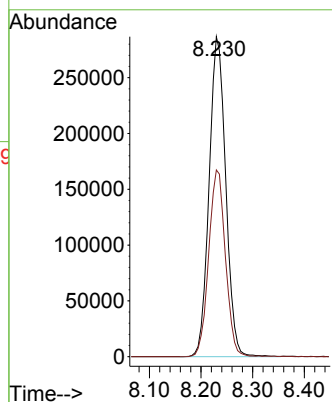
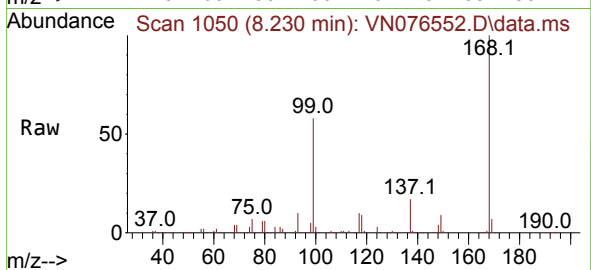
31881

Tgt Ion:168 Resp: 639320

Ion Ratio Lower Upper

168 100

99 58.3 47.1 70.7



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.136 min Scan# 14

Delta R.T. -0.006 min

Lab File: VN076552.D

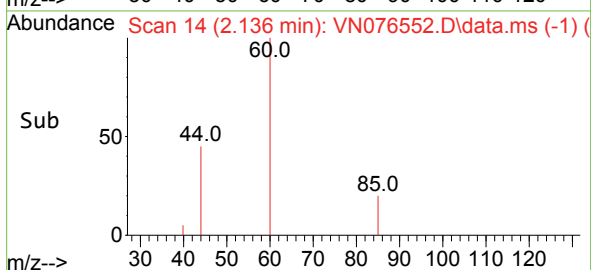
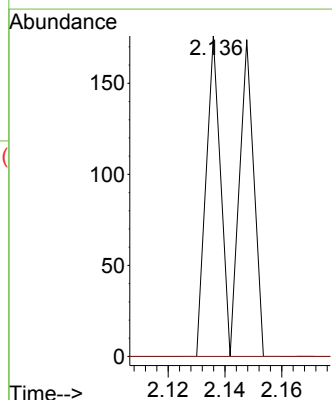
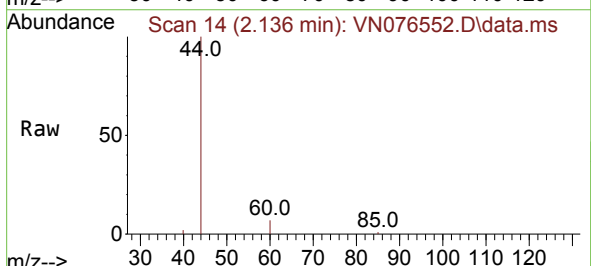
Acq: 06 Feb 2023 19:24

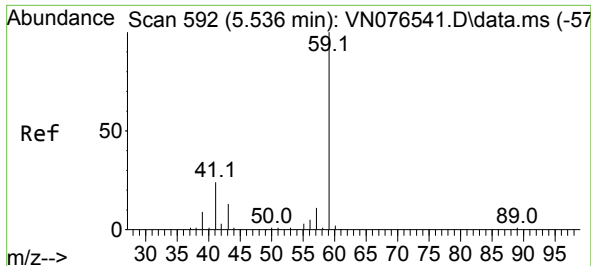
Tgt Ion: 85 Resp: 124

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#

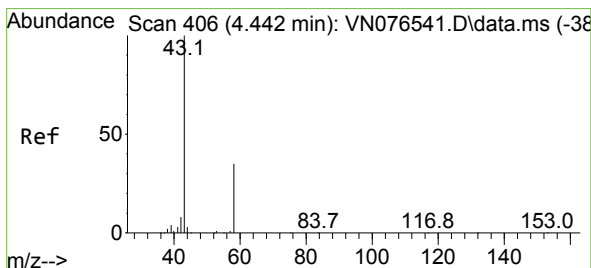
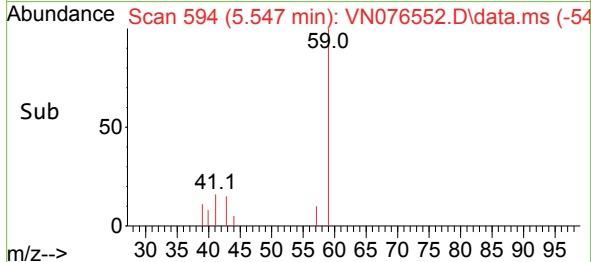
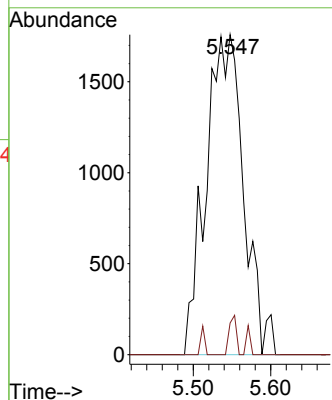
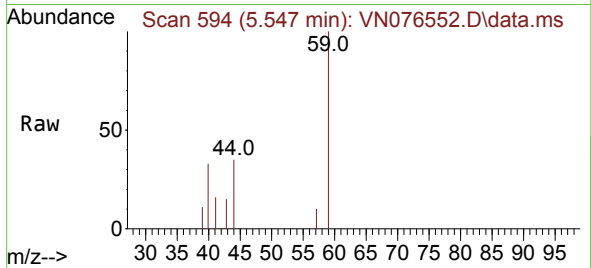




#11
Tert butyl alcohol
Concen: 5.752 ug/l
RT: 5.547 min Scan# 59
Delta R.T. 0.012 min
Lab File: VN076552.D
Acq: 06 Feb 2023 19:24

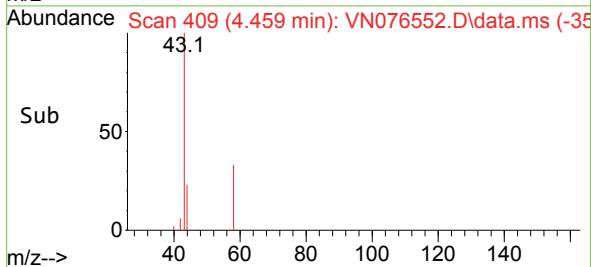
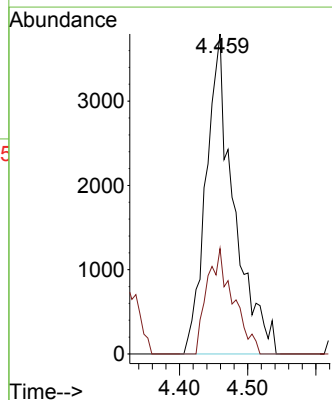
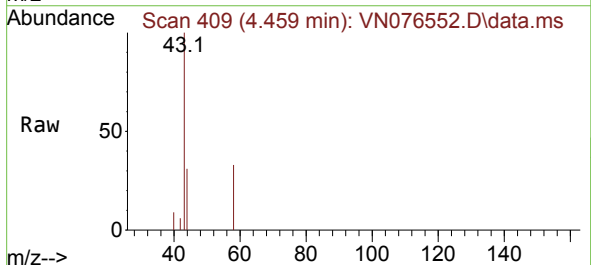
Instrument :
MSVOA_N
ClientSampleId :
31881

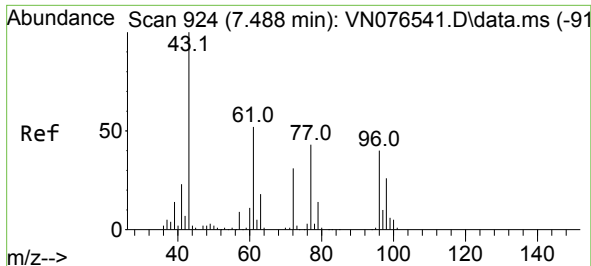
Tgt Ion: 59 Resp: 5958
Ion Ratio Lower Upper
59 100
57 2.3 8.2 12.2#



#16
Acetone
Concen: Below Cal
RT: 4.459 min Scan# 409
Delta R.T. 0.017 min
Lab File: VN076552.D
Acq: 06 Feb 2023 19:24

Tgt Ion: 43 Resp: 10724
Ion Ratio Lower Upper
43 100
58 32.9 28.3 42.5





#25

2-Butanone

Concen: 0.528 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN076552.D

Acq: 06 Feb 2023 19:24

Instrument :

MSVOA_N

ClientSampleId :

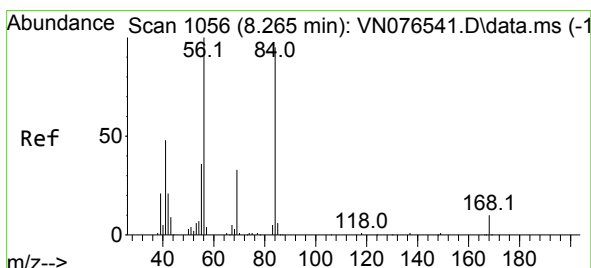
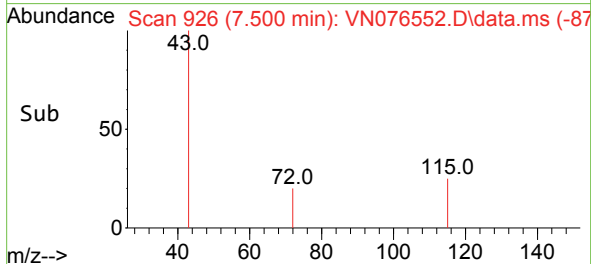
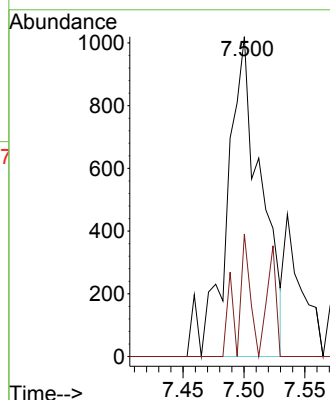
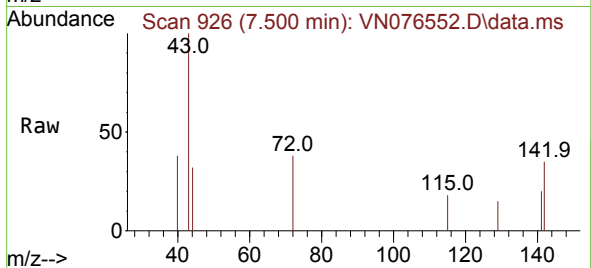
31881

Tgt Ion: 43 Resp: 1987

Ion Ratio Lower Upper

43 100

72 38.3 24.8 37.2#



#31

Cyclohexane

Concen: 0.971 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076552.D

Acq: 06 Feb 2023 19:24

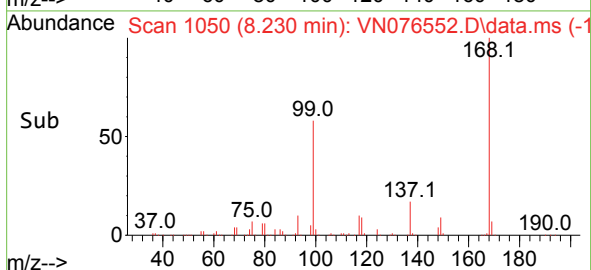
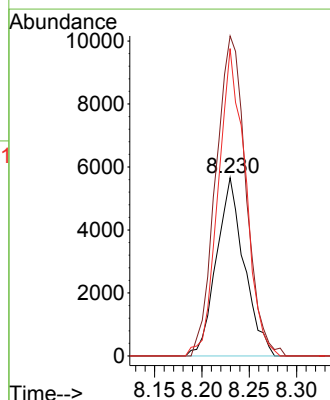
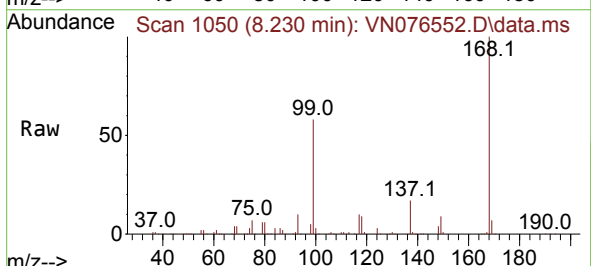
Tgt Ion: 56 Resp: 11558

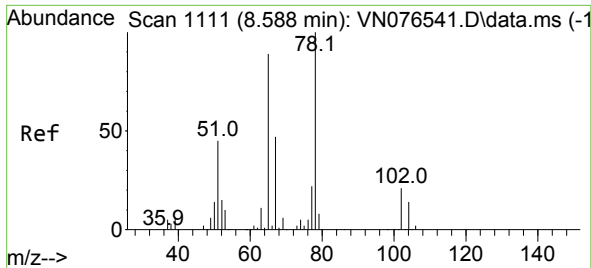
Ion Ratio Lower Upper

56 100

69 179.5 26.5 39.7#

84 172.5 76.2 114.4#

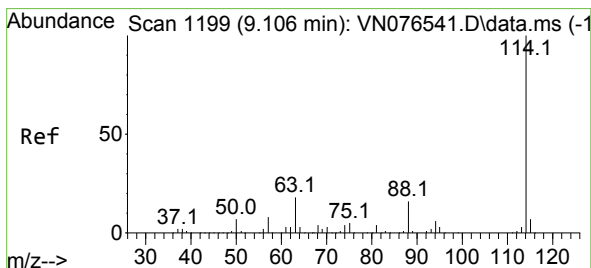
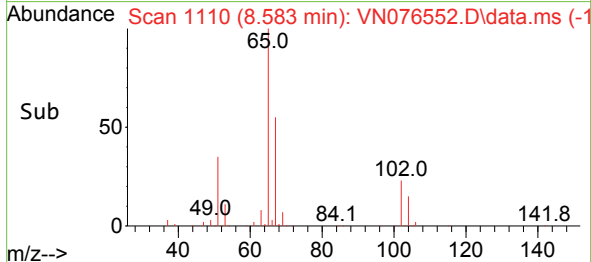
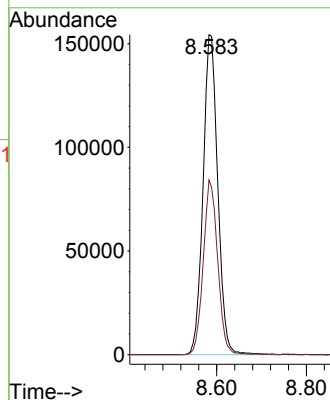
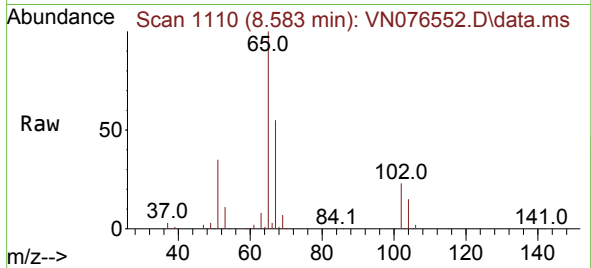




#33
 1,2-Dichloroethane-d4
 Concen: 46.054 ug/l
 RT: 8.583 min Scan# 1111
 Delta R.T. -0.005 min
 Lab File: VN076552.D
 Acq: 06 Feb 2023 19:24

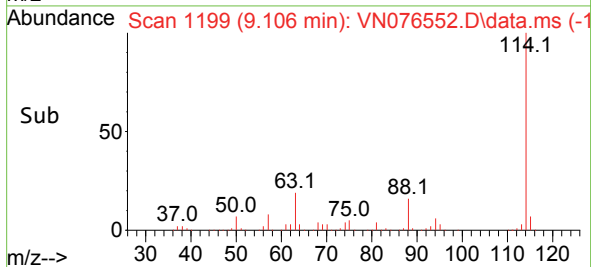
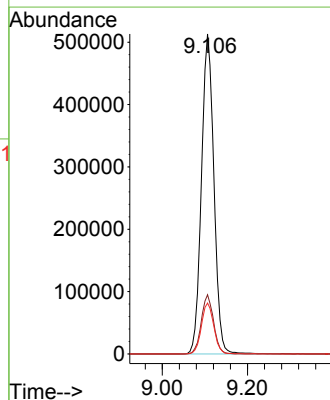
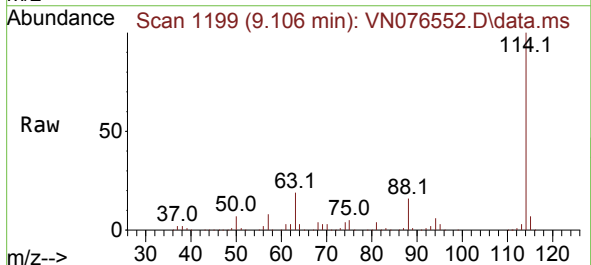
Instrument :
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 ClientSampleId :
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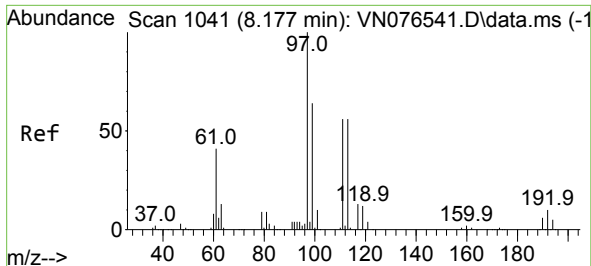
Tgt Ion: 65 Resp: 350579
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN076552.D
 Acq: 06 Feb 2023 19:24

Tgt Ion:114 Resp: 1040982
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.8
 88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.668 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VN076552.D

Acq: 06 Feb 2023 19:24

Instrument :

MSVOA_N

ClientSampleId :

31881

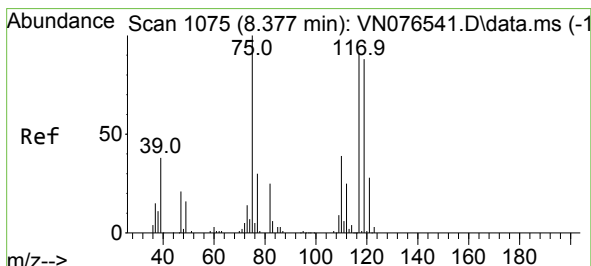
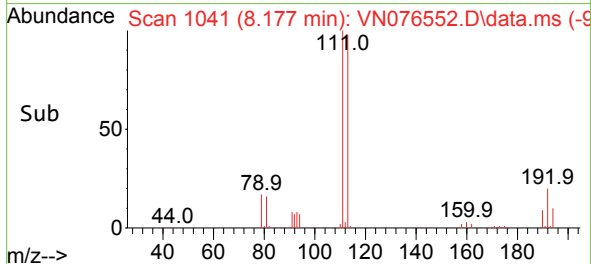
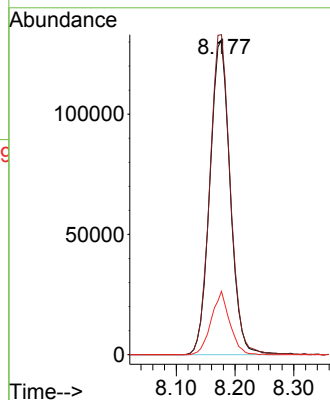
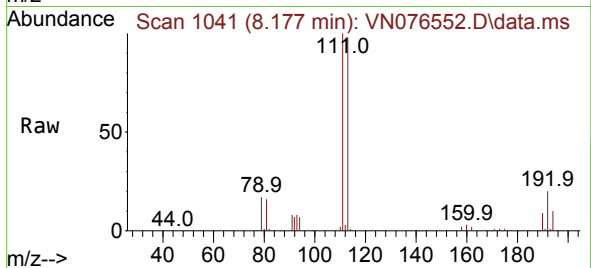
Tgt Ion:113 Resp: 313517

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

192 18.4 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.072 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076552.D

Acq: 06 Feb 2023 19:24

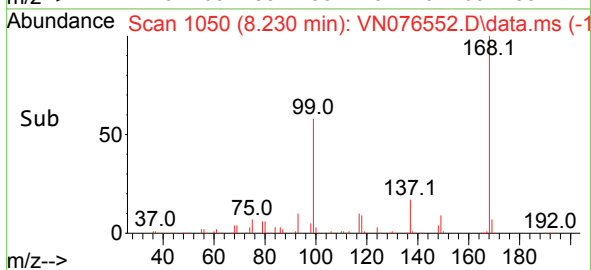
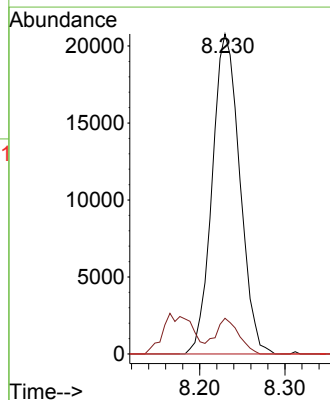
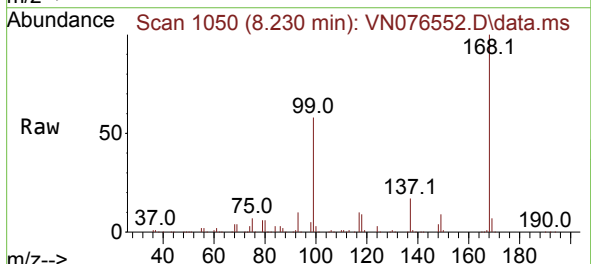
Tgt Ion: 75 Resp: 46684

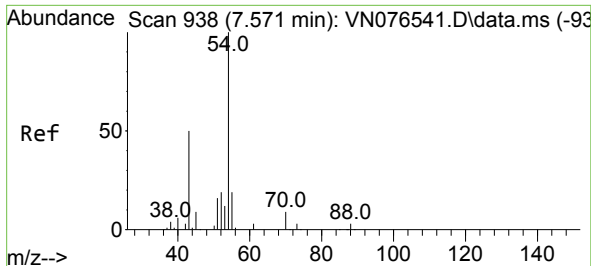
Ion Ratio Lower Upper

75 100

110 9.4 18.6 55.6#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.271 ug/l

RT: 7.500 min Scan# 91

Delta R.T. -0.071 min

Lab File: VN076552.D

Acq: 06 Feb 2023 19:24

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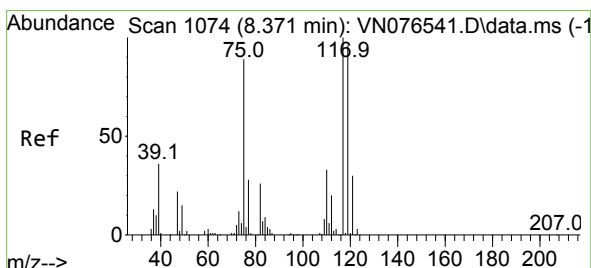
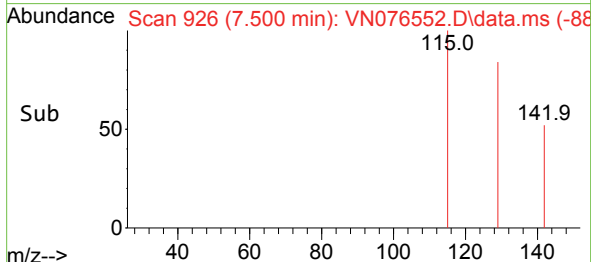
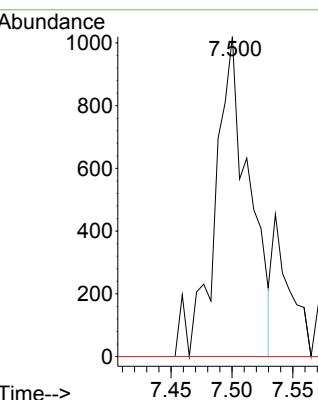
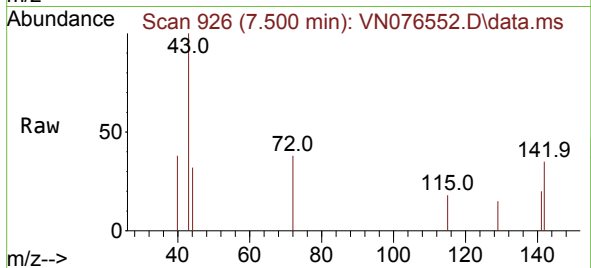
Tgt Ion: 43 Resp: 1987

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 10.2 15.4#



#38

Carbon Tetrachloride

Concen: 6.605 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN076552.D

Acq: 06 Feb 2023 19:24

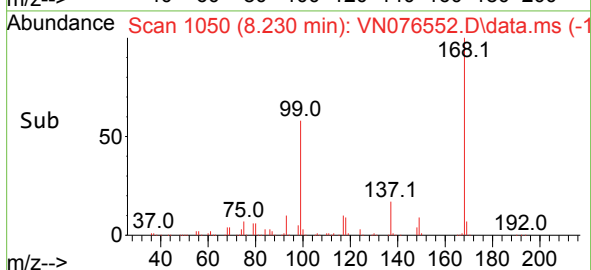
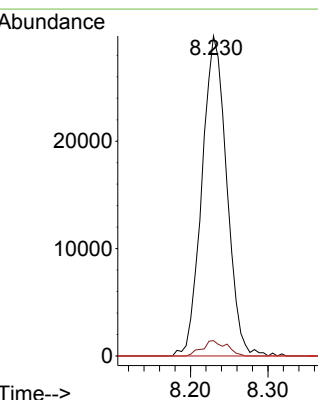
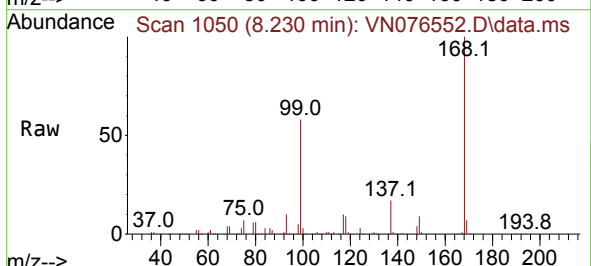
Tgt Ion: 117 Resp: 66240

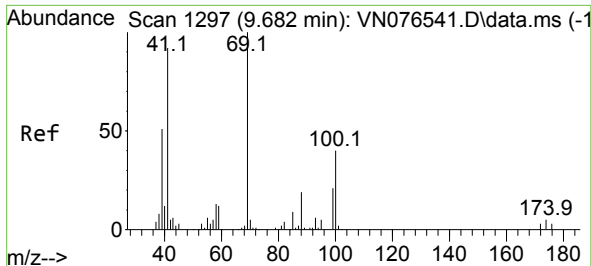
Ion Ratio Lower Upper

117 100

119 4.8 76.5 114.7#

121 0.0 24.2 36.4#





#48

Methyl methacrylate

Concen: 0.295 ug/l

RT: 9.653 min Scan# 11

Delta R.T. -0.029 min

Lab File: VN076552.D

Acq: 06 Feb 2023 19:24

Instrument :

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31881

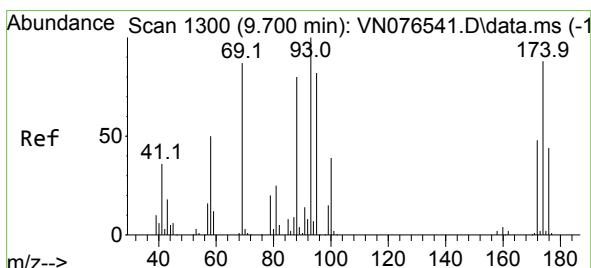
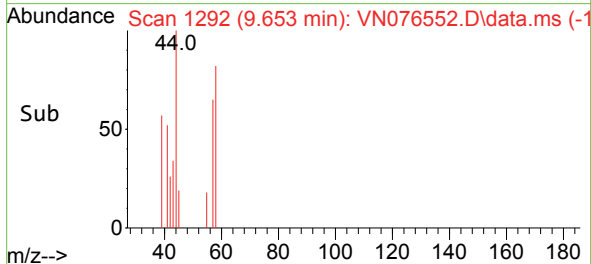
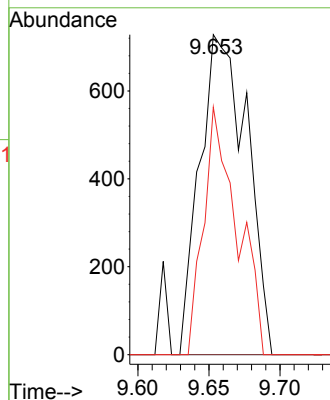
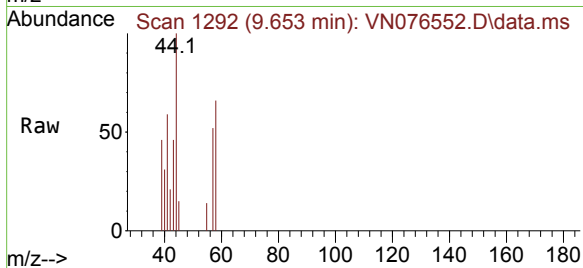
Tgt Ion: 41 Resp: 1683

Ion Ratio Lower Upper

41 100

69 0.0 82.0 123.0#

39 54.8 45.0 67.4



#49

1,4-Dioxane

Concen: 16.405 ug/l

RT: 9.706 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN076552.D

Acq: 06 Feb 2023 19:24

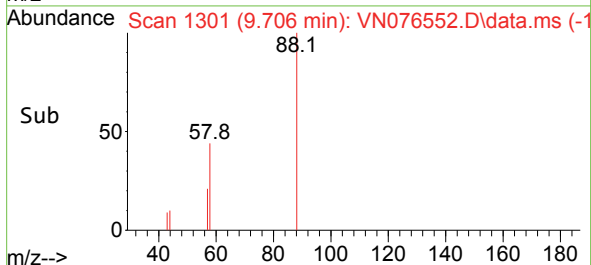
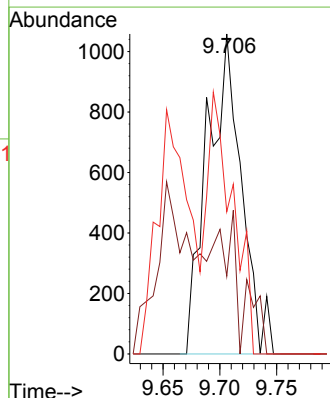
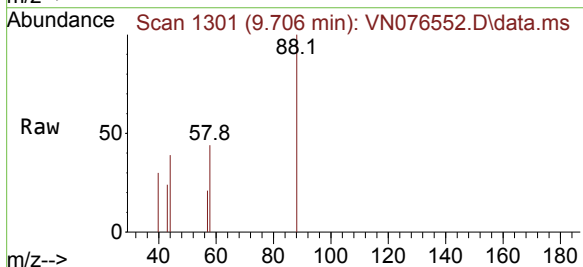
Tgt Ion: 88 Resp: 2204

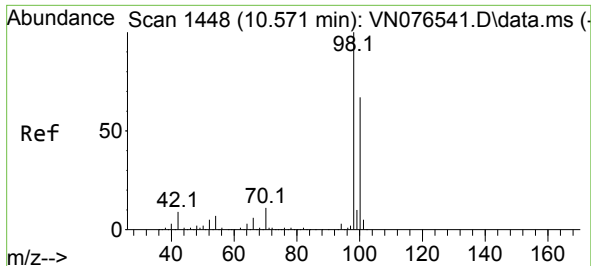
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 61.2 51.1 76.7

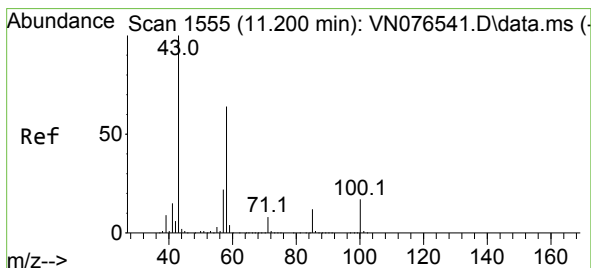
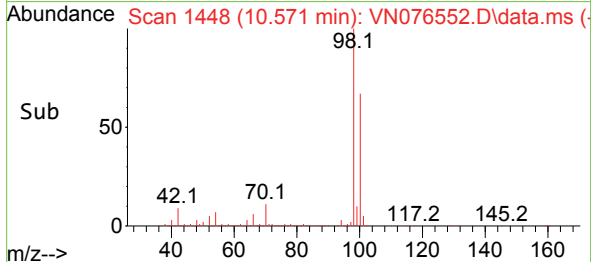
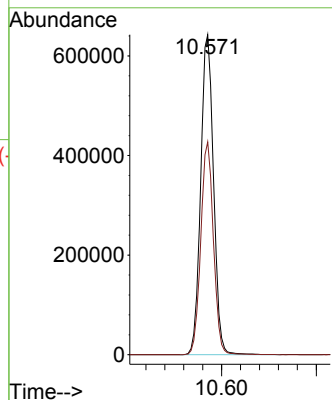
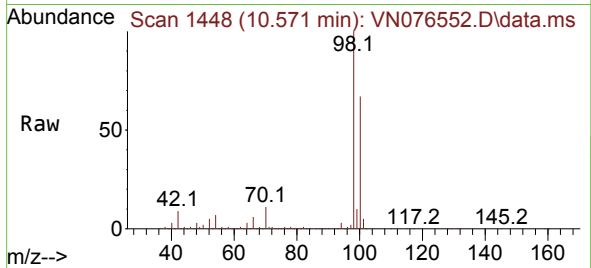




#50
Toluene-d8
Concen: 49.113 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076552.D
Acq: 06 Feb 2023 19:24

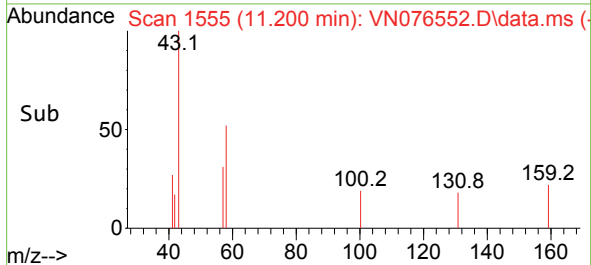
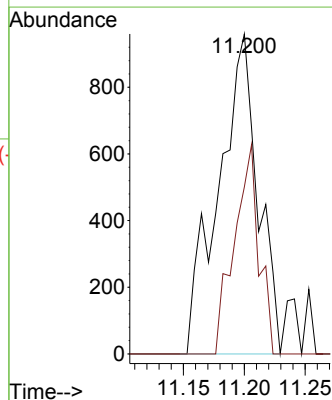
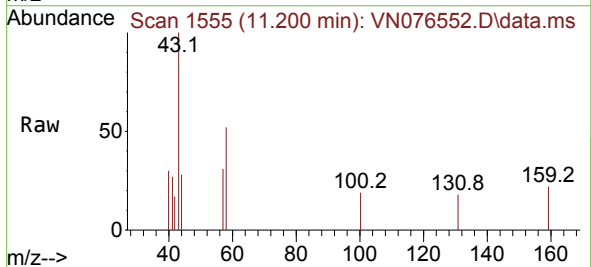
Instrument :
MSVOA_N
ClientSampleId :
31881

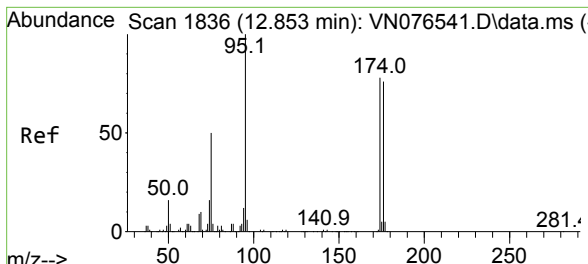
Tgt Ion: 98 Resp: 1202049
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



#59
2-Hexanone
Concen: 0.417 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN076552.D
Acq: 06 Feb 2023 19:24

Tgt Ion: 43 Resp: 2168
Ion Ratio Lower Upper
43 100
58 40.6 31.9 95.7

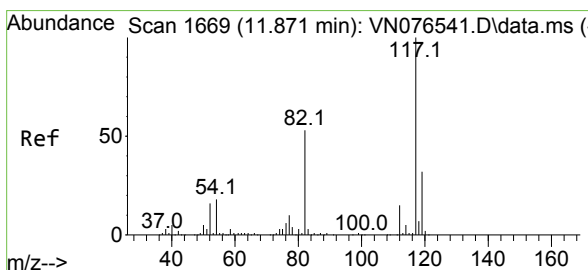
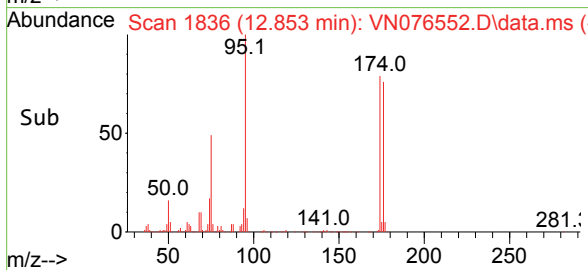
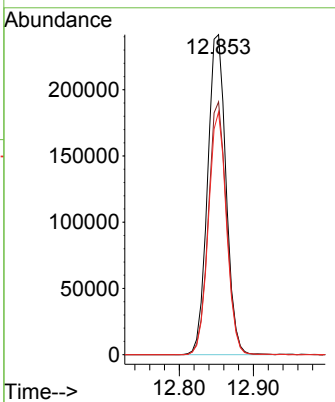
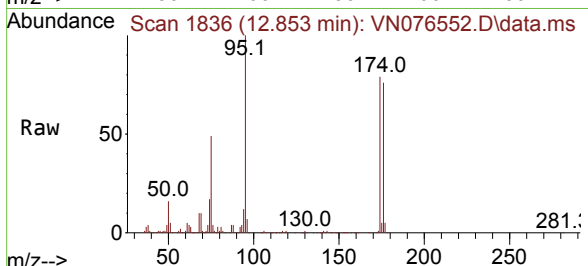




#62
 4-Bromofluorobenzene
 Concen: 49.194 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. 0.000 min
 Lab File: VN076552.D
 Acq: 06 Feb 2023 19:24

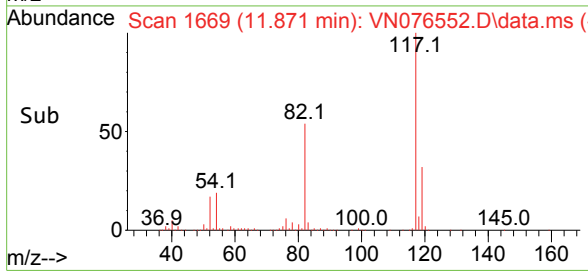
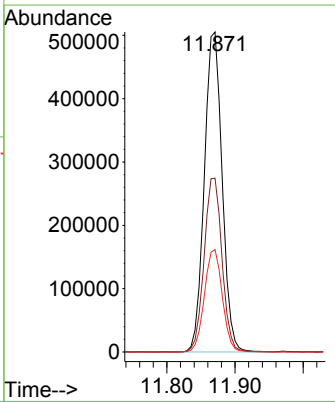
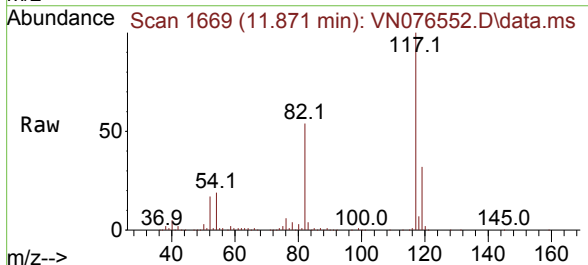
Instrument :
 MSVOA_N
 ClientSampleId :
 31881

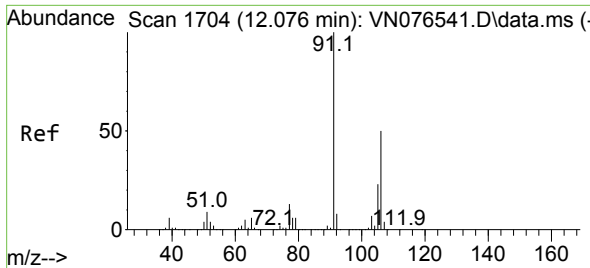
Tgt Ion:	95	Resp:	417303
Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	153.4
176	74.2	0.0	149.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1669
 Delta R.T. 0.000 min
 Lab File: VN076552.D
 Acq: 06 Feb 2023 19:24

Tgt Ion:	117	Resp:	918757
Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.4	63.6
119	32.0	25.8	38.8

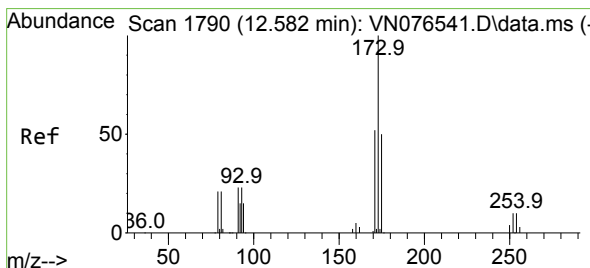
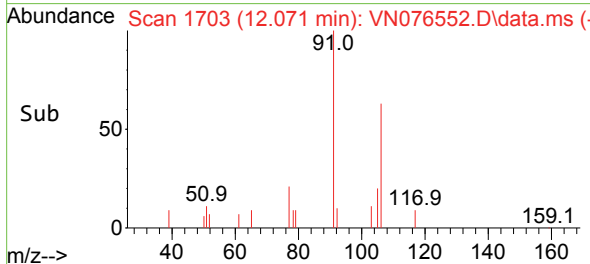
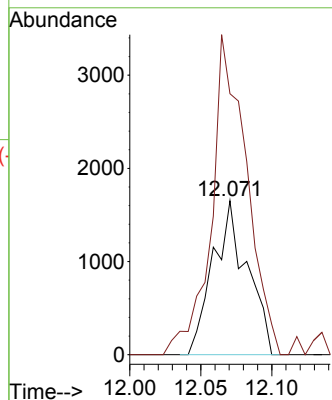
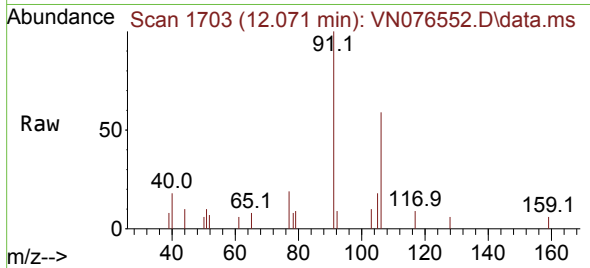




#68
m/p-Xylenes
Concen: 0.214 ug/l
RT: 12.071 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076552.D
Acq: 06 Feb 2023 19:24

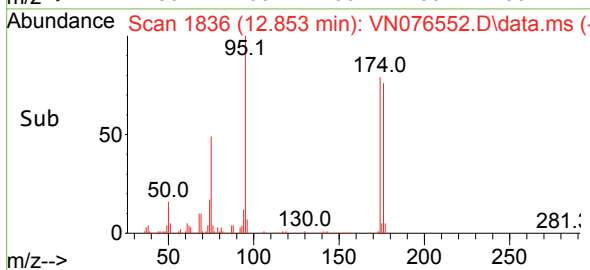
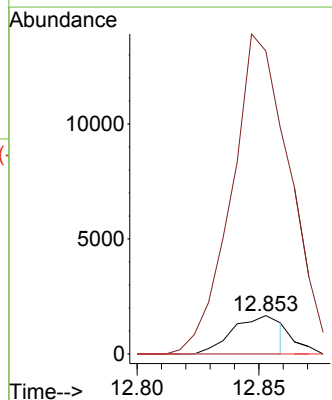
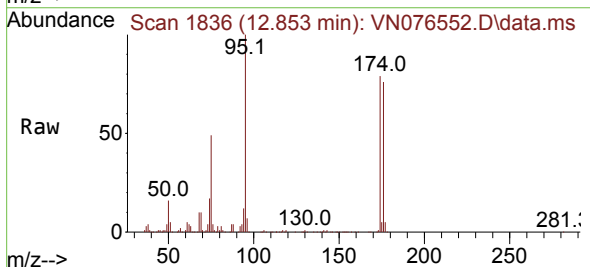
Instrument :
MSVOA_N
ClientSampleId :
31881

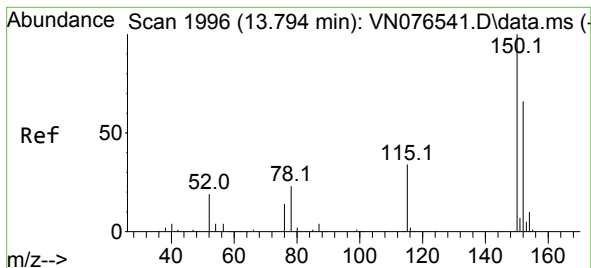
Tgt Ion:106 Resp: 2773
Ion Ratio Lower Upper
106 100
91 213.2 160.2 240.4



#71
Bromoform
Concen: 0.465 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076552.D
Acq: 06 Feb 2023 19:24

Tgt Ion:173 Resp: 2311
Ion Ratio Lower Upper
173 100
175 817.9 24.6 74.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN076552.D

Acq: 06 Feb 2023 19:24

Instrument :

MSVOA_N

ClientSampleId :

31881

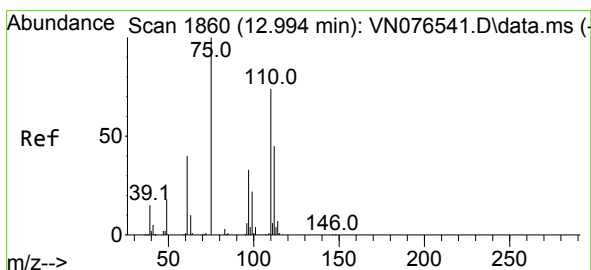
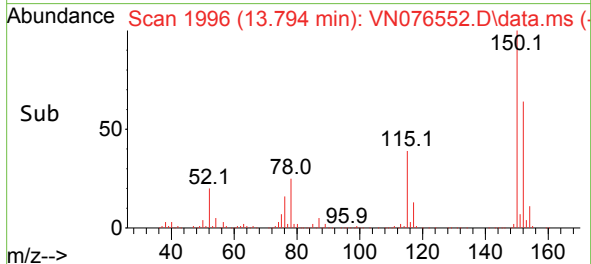
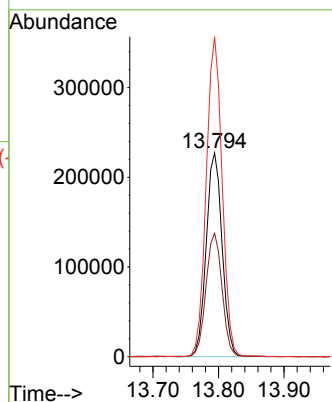
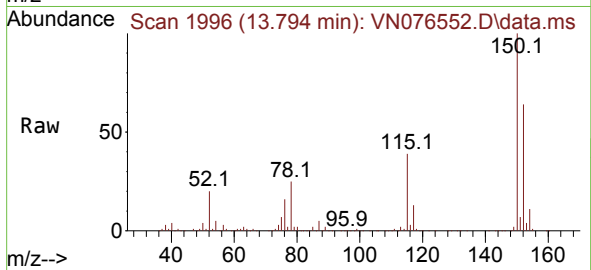
Tgt Ion:152 Resp: 382853

Ion Ratio Lower Upper

152 100

115 61.5 30.5 91.5

150 156.7 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 26.561 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076552.D

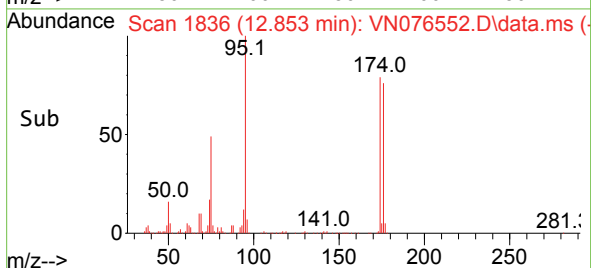
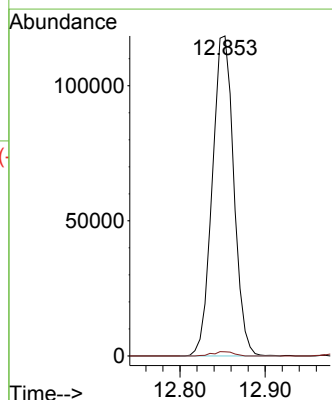
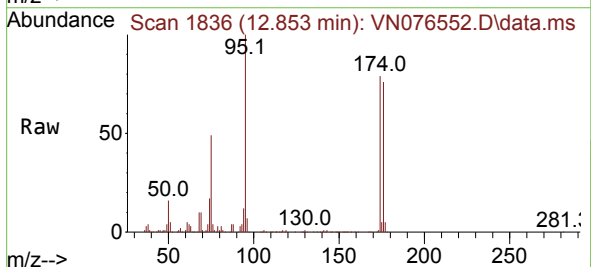
Acq: 06 Feb 2023 19:24

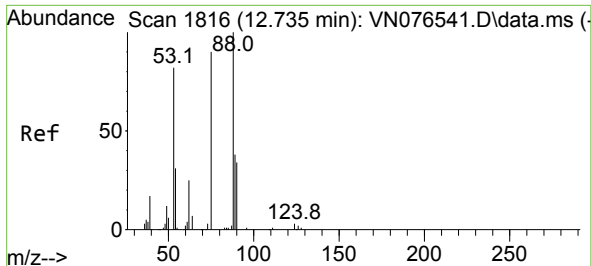
Tgt Ion: 75 Resp: 207416

Ion Ratio Lower Upper

75 100

77 1.3 86.8 260.3#

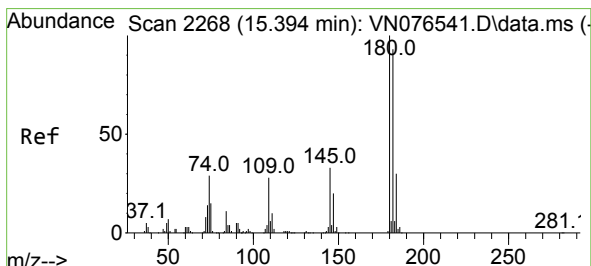
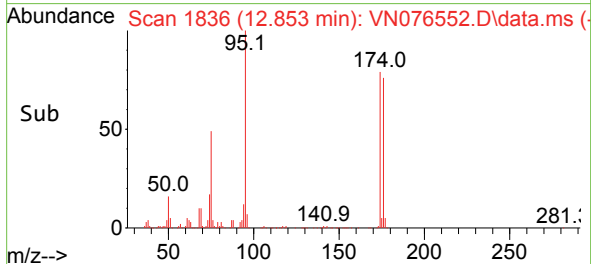
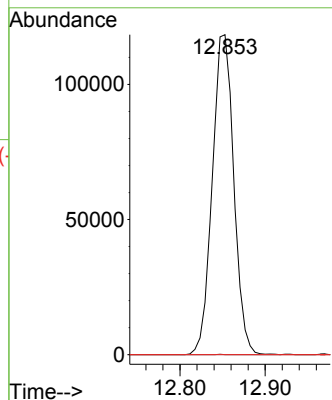
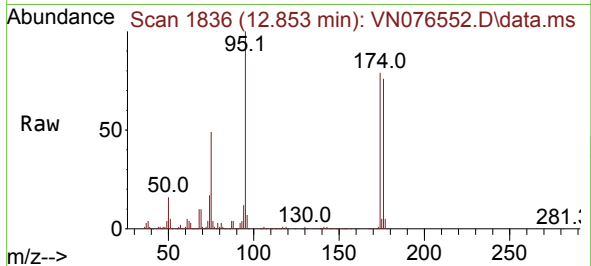




#81
trans-1,4-Dichloro-2-butene
Concen: 88.449 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076552.D
Acq: 06 Feb 2023 19:24

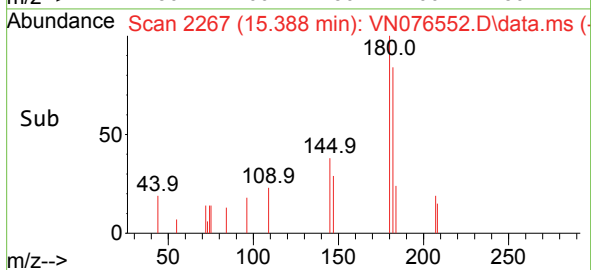
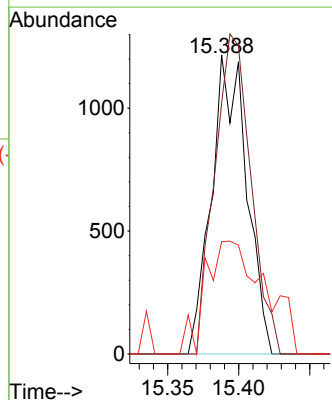
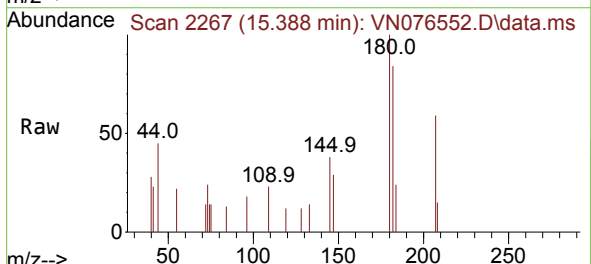
Instrument :
MSVOA_N
ClientSampleId :
31881

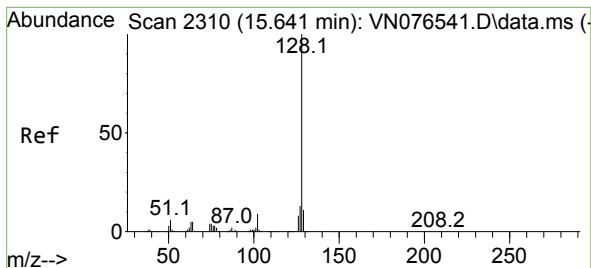
Tgt Ion: 75 Resp: 207416
Ion Ratio Lower Upper
75 100
53 0.0 72.7 109.1#
89 0.0 38.4 57.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.364 ug/l
RT: 15.388 min Scan# 2267
Delta R.T. -0.006 min
Lab File: VN076552.D
Acq: 06 Feb 2023 19:24

Tgt Ion:180 Resp: 2093
Ion Ratio Lower Upper
180 100
182 110.1 47.2 141.6
145 63.8 16.1 48.2#





#95

Naphthalene

Concen: 0.658 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. 0.000 min

Lab File: VN076552.D

Acq: 06 Feb 2023 19:24

Instrument :

MSVOA_N

ClientSampleId :

31881

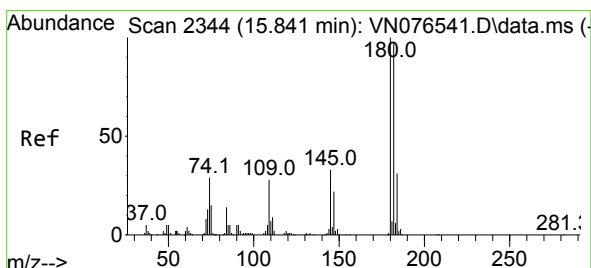
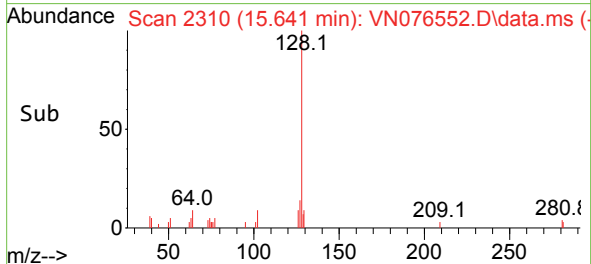
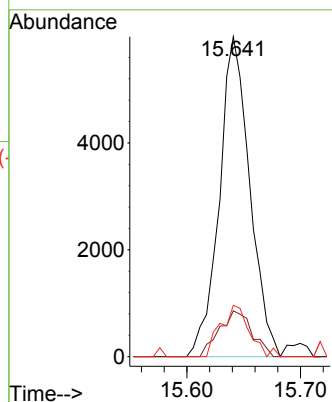
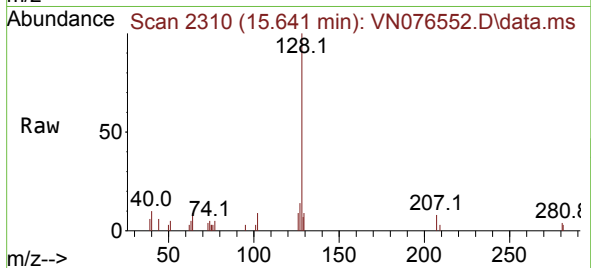
Tgt Ion:128 Resp: 11152

Ion Ratio Lower Upper

128 100

127 15.4 10.4 15.6

129 15.2 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.362 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. 0.000 min

Lab File: VN076552.D

Acq: 06 Feb 2023 19:24

Tgt Ion:180 Resp: 2001

Ion Ratio Lower Upper

180 100

182 105.5 47.6 142.8

145 47.2 16.8 50.3

