

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020823\
 Data File : VN076569.D
 Acq On : 08 Feb 2023 10:45
 Operator : JC\MD
 Sample : VN0208WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBL01

Quant Time: Feb 09 00:42:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 09:04:43 2023
 Response via : Initial Calibration

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

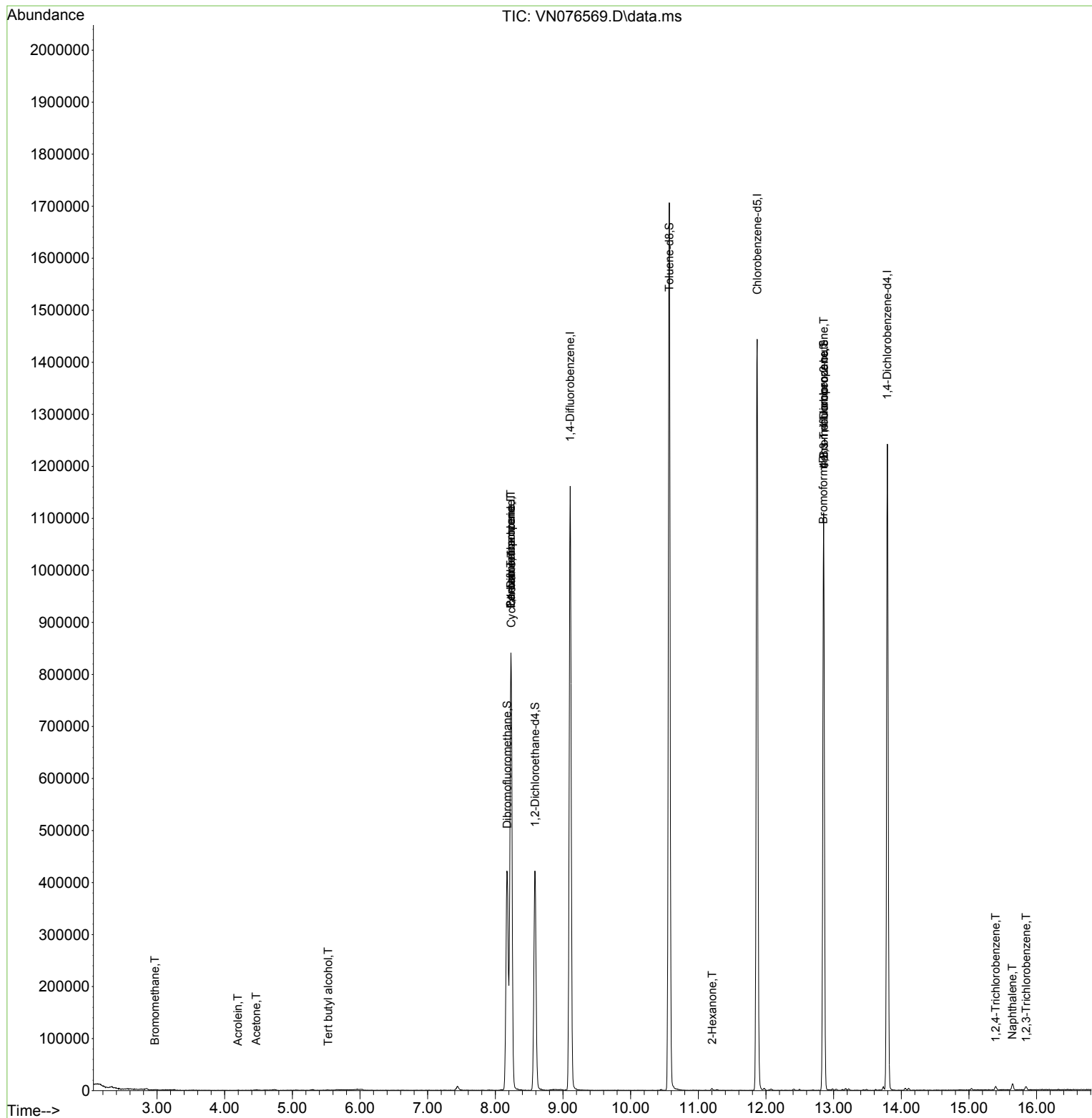
Internal Standards						
1) Pentafluorobenzene	8.230	168	646060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1063827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	910658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	353694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	360299	47.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.500%		
35) Dibromofluoromethane	8.177	113	316947	47.927	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.860%		
50) Toluene-d8	10.571	98	1215972	48.876	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.760%		
62) 4-Bromofluorobenzene	12.853	95	401580	45.818	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.640%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	1182	0.281	ug/l #	59
11) Tert butyl alcohol	5.530	59	337	0.339	ug/l #	72
13) Acrolein	4.195	56	286	0.216	ug/l	89
16) Acetone	4.465	43	1515	0.603	ug/l #	39
31) Cyclohexane	8.235	56	11768	0.976	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	48849	5.174	ug/l #	50
38) Carbon Tetrachloride	8.230	117	66187	6.520	ug/l #	16
59) 2-Hexanone	11.206	43	2173	0.431	ug/l	91
71) Bromoform	12.847	173	1880	0.386	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	195266	29.590	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	195266	90.860	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.394	180	2584	0.461	ug/l	89
95) Naphthalene	15.641	128	11925	0.732	ug/l	95
96) 1,2,3-Trichlorobenzene	15.847	180	3035	0.566	ug/l	97

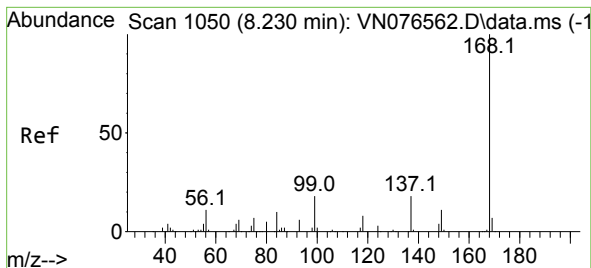
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076569.D

Acq: 08 Feb 2023 10:45

Instrument :

MSVOA_N

ClientSampleId :

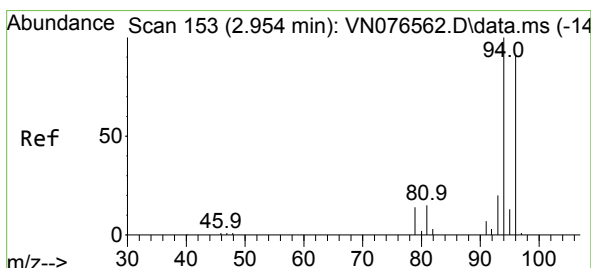
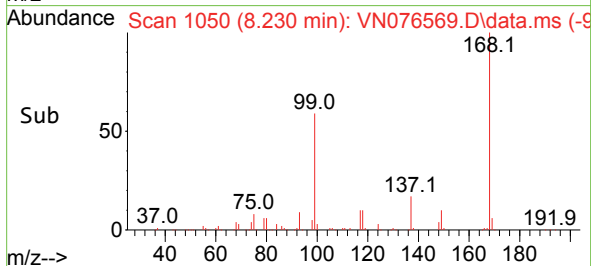
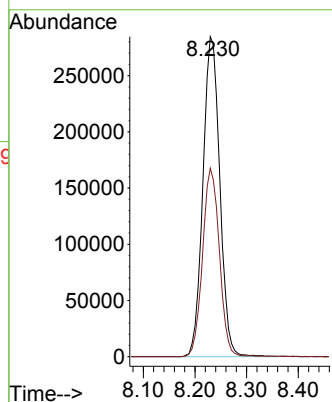
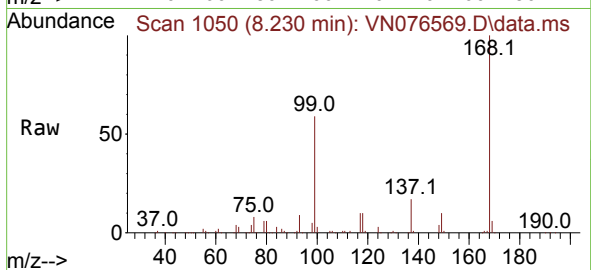
VN0208WBL01

Tgt Ion:168 Resp: 646060

Ion Ratio Lower Upper

168 100

99 58.9 47.8 71.8



#5

Bromomethane

Concen: 0.281 ug/l

RT: 2.971 min Scan# 156

Delta R.T. 0.017 min

Lab File: VN076569.D

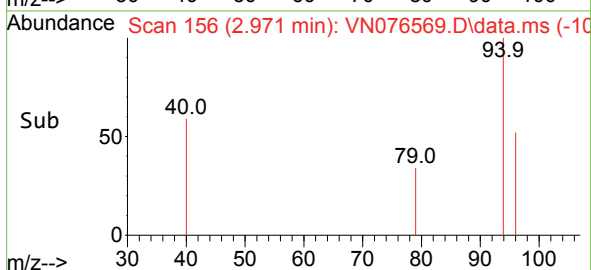
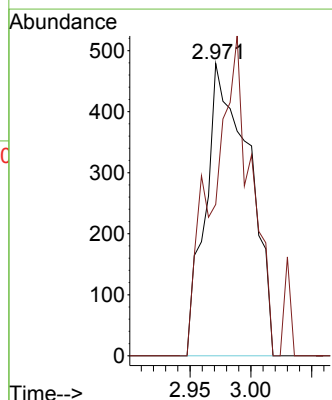
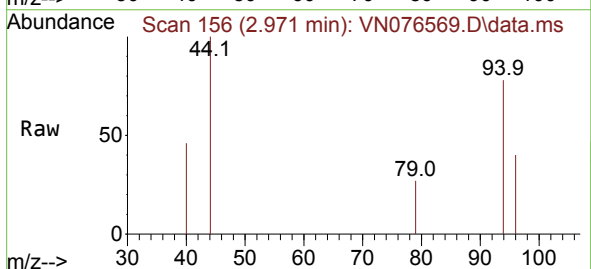
Acq: 08 Feb 2023 10:45

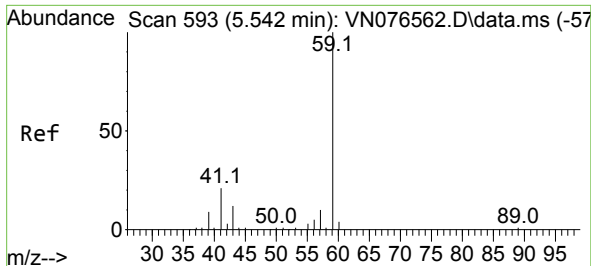
Tgt Ion: 94 Resp: 1182

Ion Ratio Lower Upper

94 100

96 51.8 72.7 109.1#

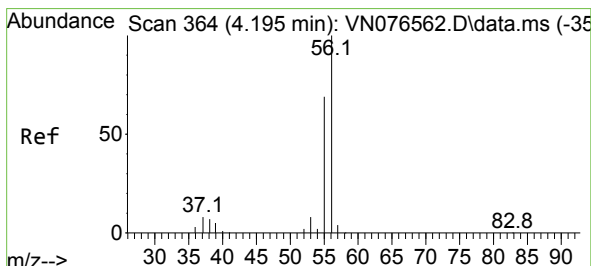
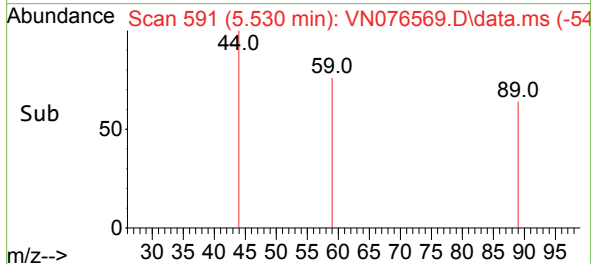
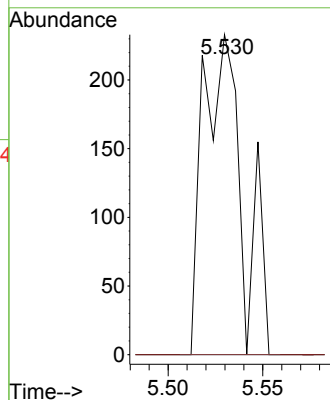
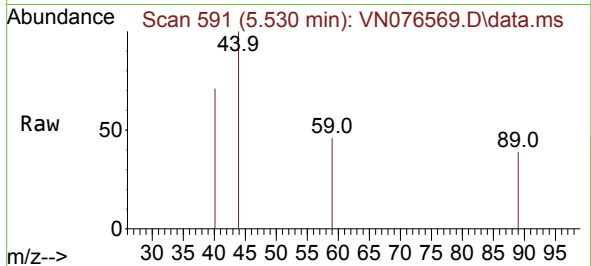




#11
Tert butyl alcohol
Concen: 0.339 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.012 min
Lab File: VN076569.D
Acq: 08 Feb 2023 10:45

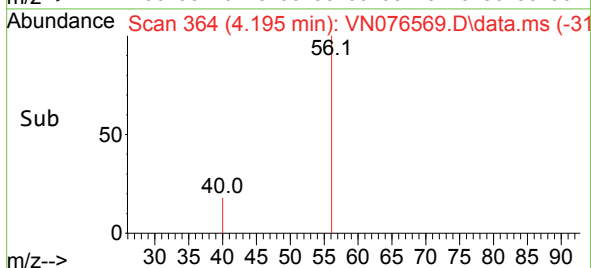
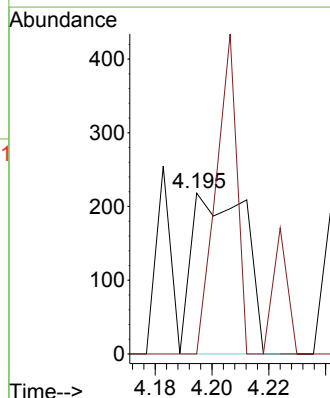
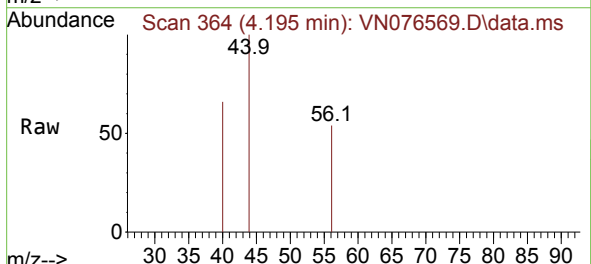
Instrument :
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VN0208WBL01

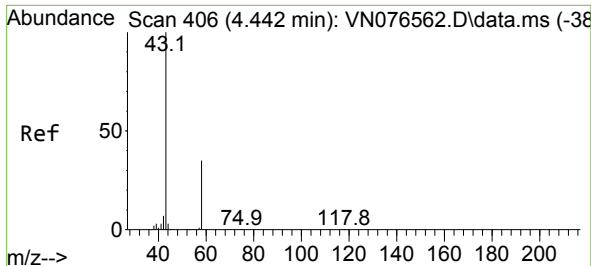
Tgt Ion: 59 Resp: 337
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.216 ug/l
RT: 4.195 min Scan# 364
Delta R.T. -0.000 min
Lab File: VN076569.D
Acq: 08 Feb 2023 10:45

Tgt Ion: 56 Resp: 286
Ion Ratio Lower Upper
56 100
55 77.6 54.7 82.1





#16

Acetone

Concen: 0.603 ug/l

RT: 4.465 min Scan# 41

Delta R.T. 0.023 min

Lab File: VN076569.D

Acq: 08 Feb 2023 10:45

Instrument :

MSVOA_N

ClientSampleId :

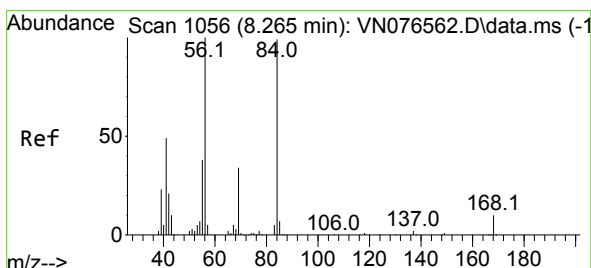
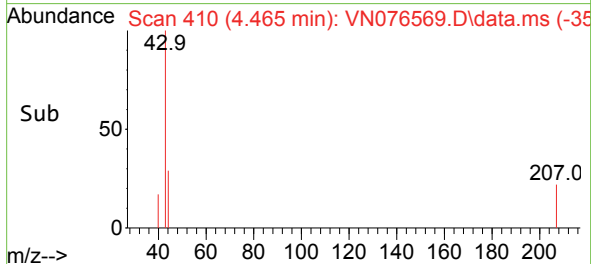
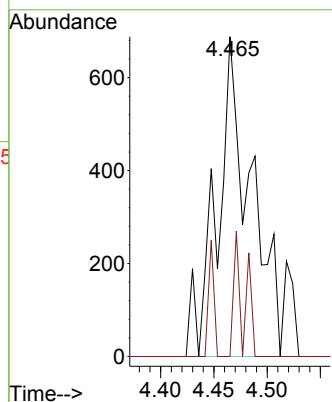
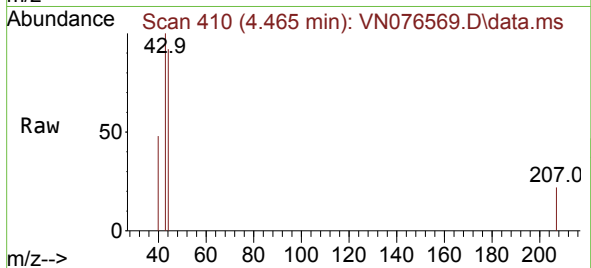
VN0208WBL01

Tgt Ion: 43 Resp: 1515

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#



#31

Cyclohexane

Concen: 0.976 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.030 min

Lab File: VN076569.D

Acq: 08 Feb 2023 10:45

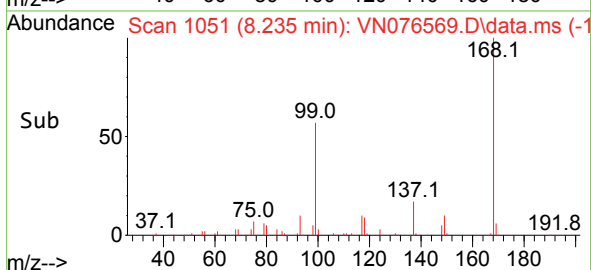
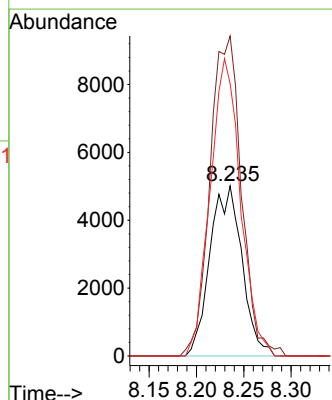
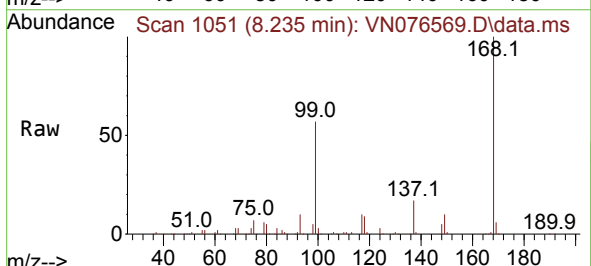
Tgt Ion: 56 Resp: 11768

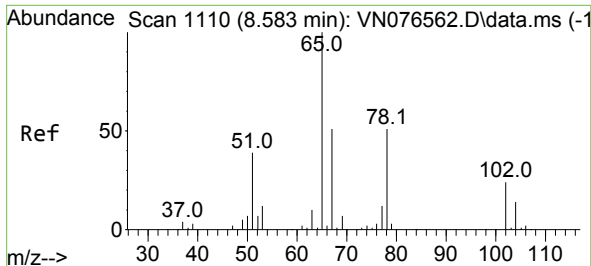
Ion Ratio Lower Upper

56 100

69 188.2 27.0 40.4#

84 160.2 79.5 119.3#





#33

1,2-Dichloroethane-d4

Concen: 47.250 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.005 min

Lab File: VN076569.D

Acq: 08 Feb 2023 10:45

Instrument :

MSVOA_N

ClientSampleId :

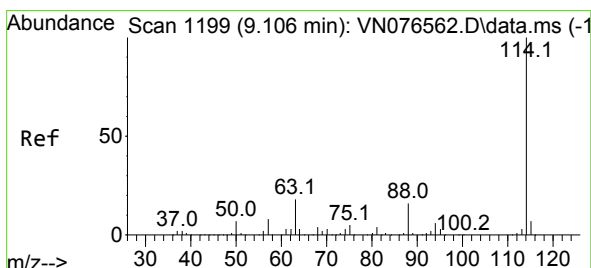
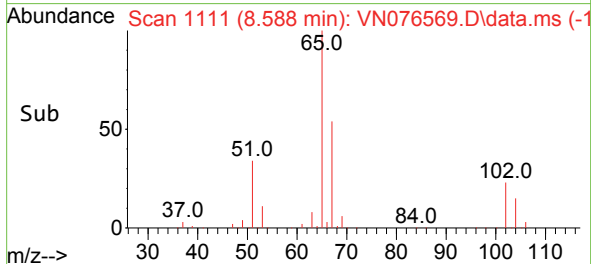
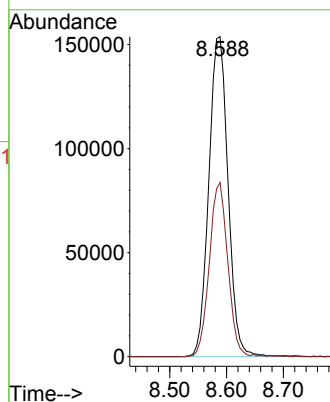
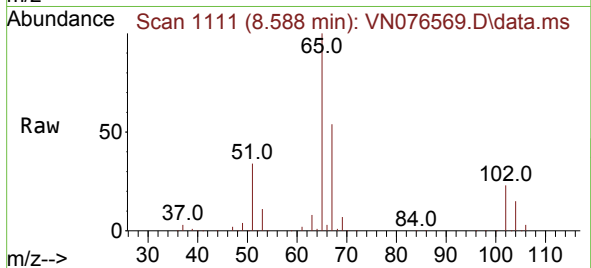
VN0208WBL01

Tgt Ion: 65 Resp: 360299

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076569.D

Acq: 08 Feb 2023 10:45

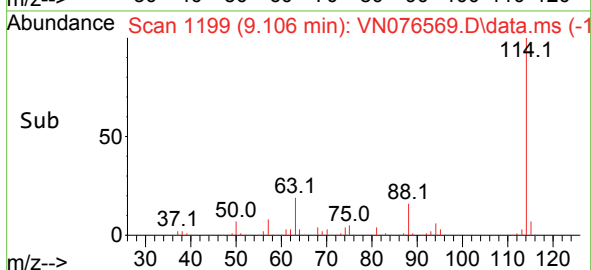
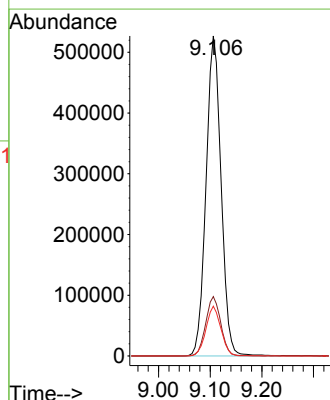
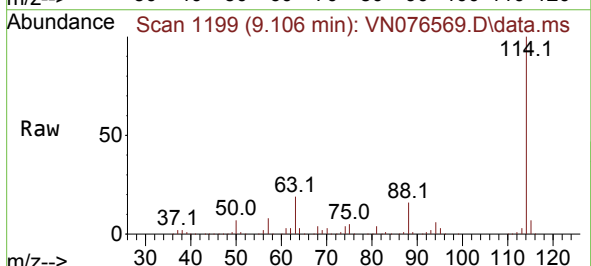
Tgt Ion: 114 Resp: 1063827

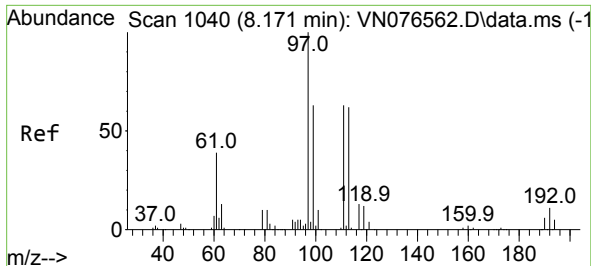
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.6

88 15.5 0.0 32.0

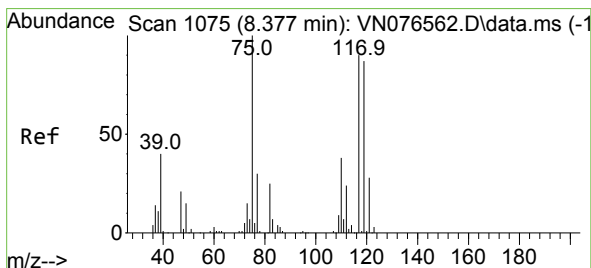
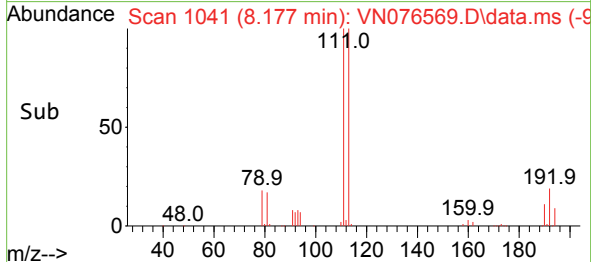
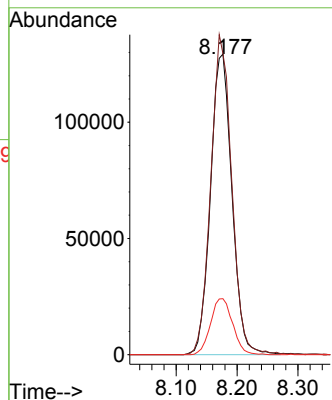
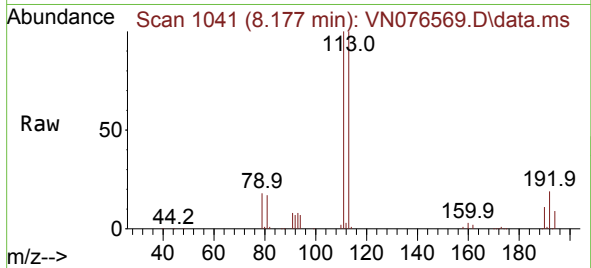




#35
Dibromofluoromethane
Concen: 47.927 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076569.D
Acq: 08 Feb 2023 10:45

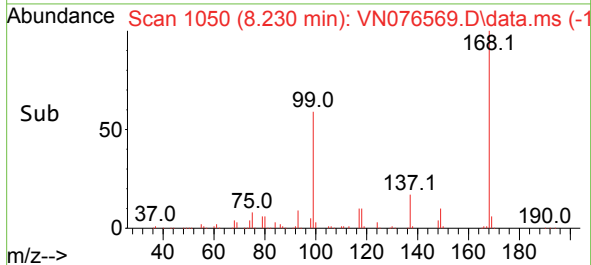
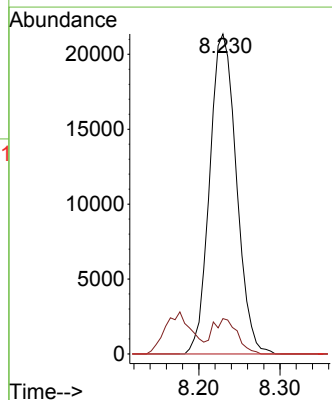
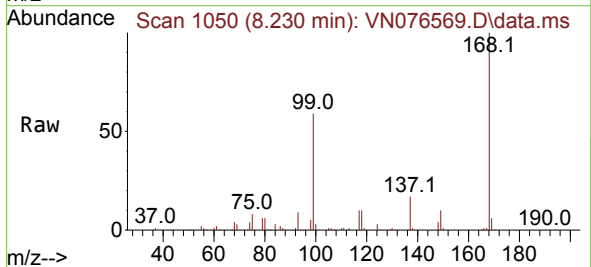
Instrument :
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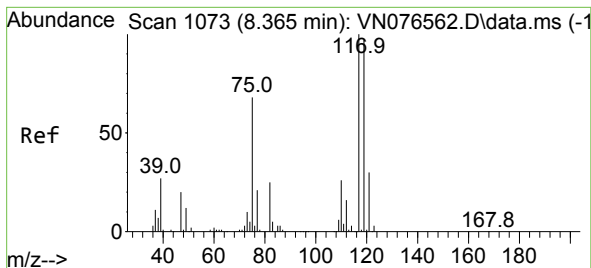
Tgt Ion:113 Resp: 316947
Ion Ratio Lower Upper
113 100
111 104.0 82.0 123.0
192 19.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.174 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076569.D
Acq: 08 Feb 2023 10:45

Tgt Ion: 75 Resp: 48849
Ion Ratio Lower Upper
75 100
110 10.3 18.6 55.6#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.520 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN076569.D

Acq: 08 Feb 2023 10:45

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBL01

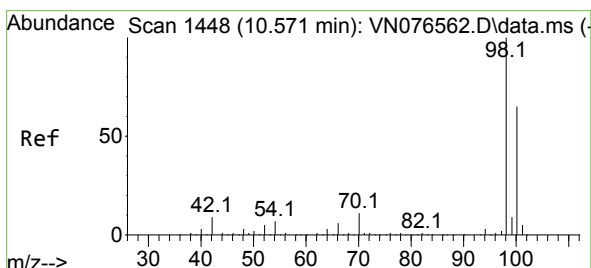
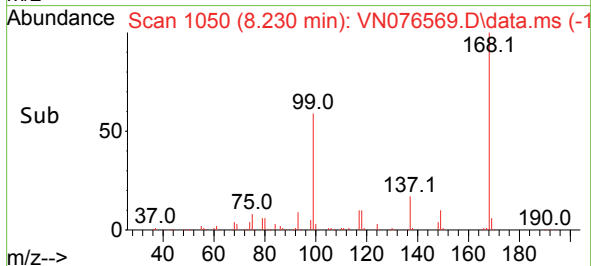
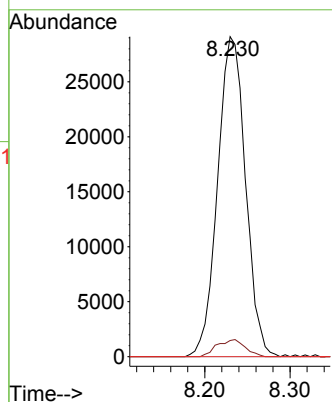
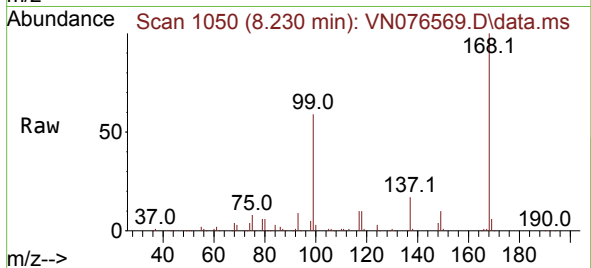
Tgt Ion:117 Resp: 66187

Ion Ratio Lower Upper

117 100

119 5.1 77.2 115.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 48.876 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076569.D

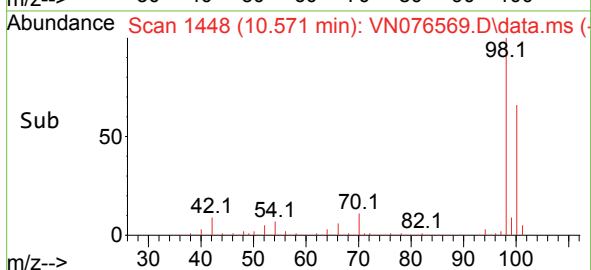
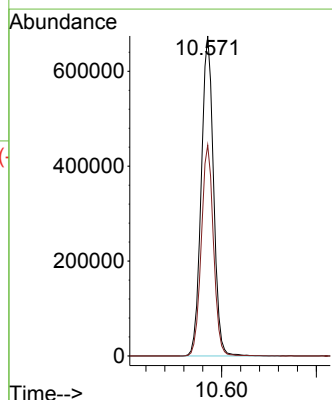
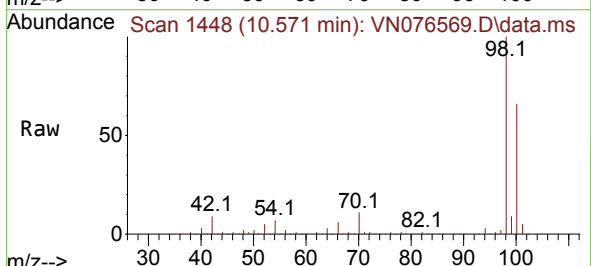
Acq: 08 Feb 2023 10:45

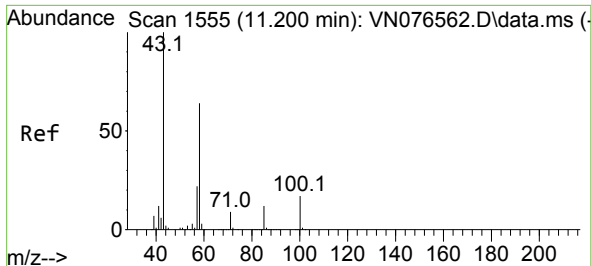
Tgt Ion: 98 Resp: 1215972

Ion Ratio Lower Upper

98 100

100 65.4 52.9 79.3

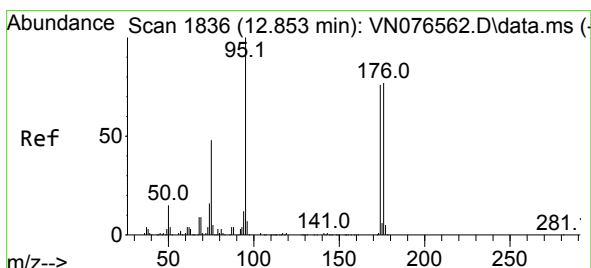
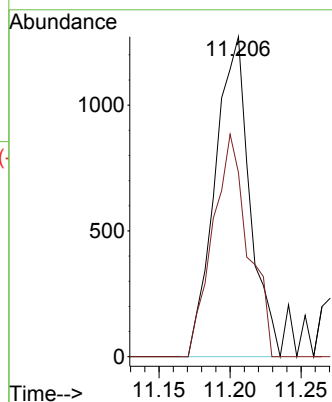
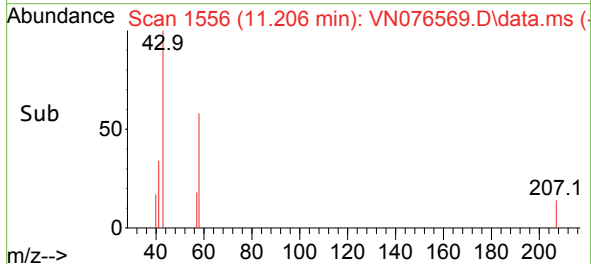
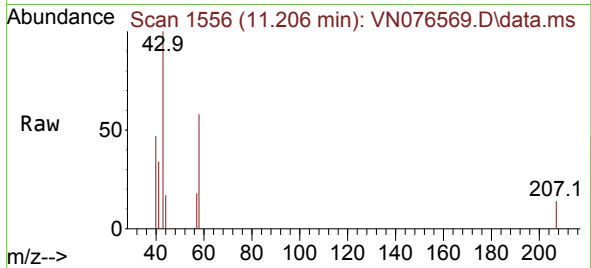




#59
2-Hexanone
Concen: 0.431 ug/l
RT: 11.206 min Scan# 1155
Delta R.T. 0.006 min
Lab File: VN076569.D
Acq: 08 Feb 2023 10:45

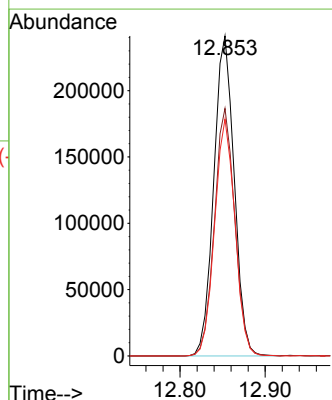
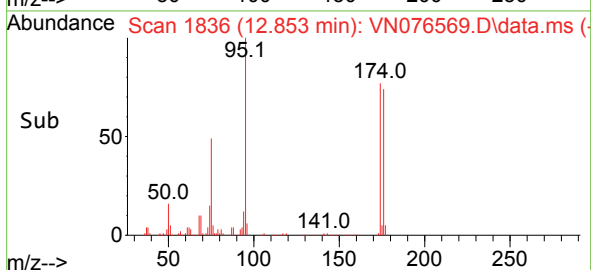
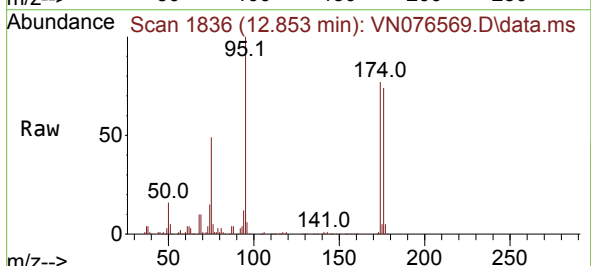
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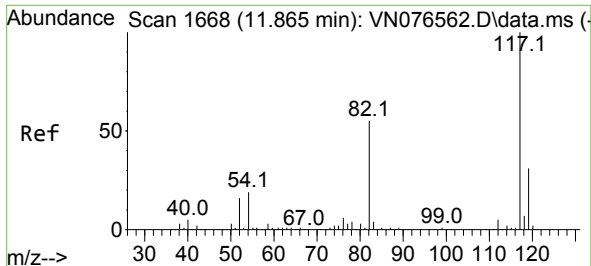
Tgt Ion: 43 Resp: 2173
Ion Ratio Lower Upper
43 100
58 70.9 31.8 95.4



#62
4-Bromofluorobenzene
Concen: 45.818 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076569.D
Acq: 08 Feb 2023 10:45

Tgt Ion: 95 Resp: 401580
Ion Ratio Lower Upper
95 100
174 77.2 0.0 154.0
176 73.8 0.0 152.0

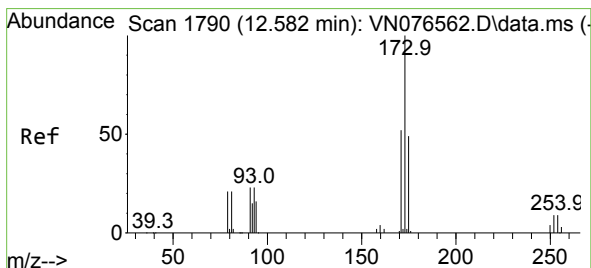
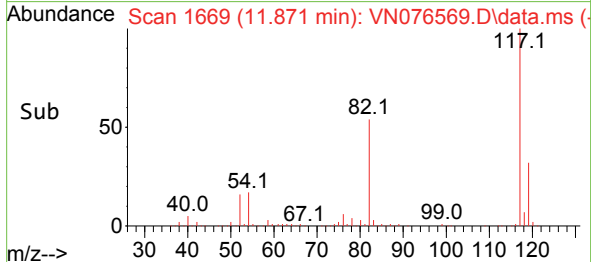
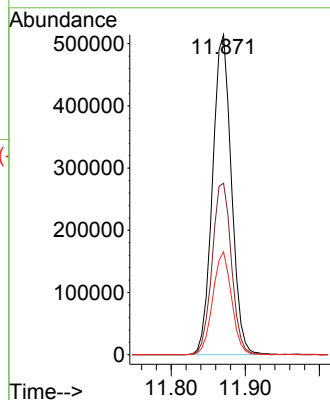
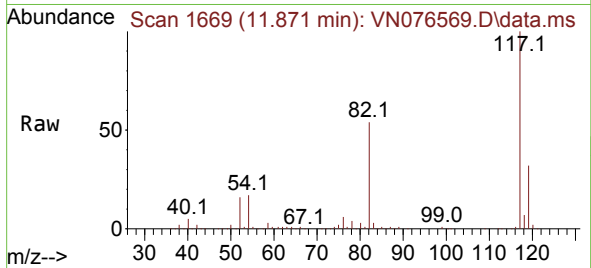




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076569.D
Acq: 08 Feb 2023 10:45

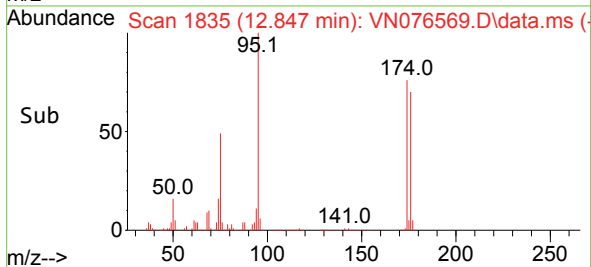
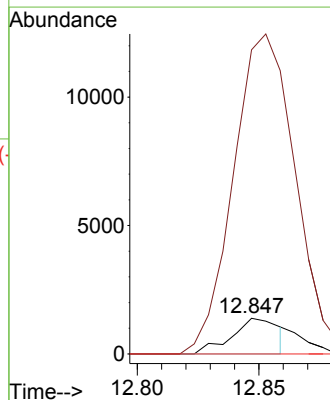
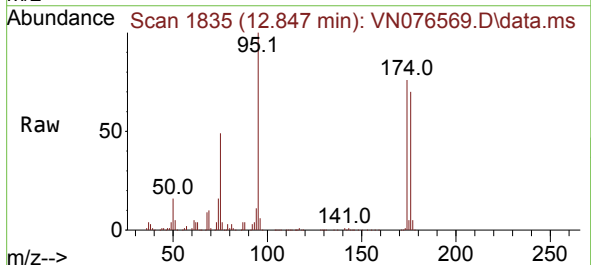
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBL01

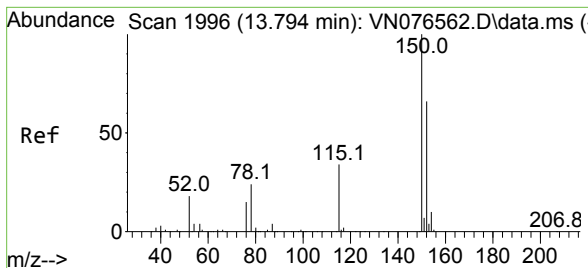
Tgt Ion:117 Resp: 910658
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.4
119 32.1 25.1 37.7



#71
Bromoform
Concen: 0.386 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076569.D
Acq: 08 Feb 2023 10:45

Tgt Ion:173 Resp: 1880
Ion Ratio Lower Upper
173 100
175 926.7 24.8 74.3#
254 0.0 0.1 0.1#

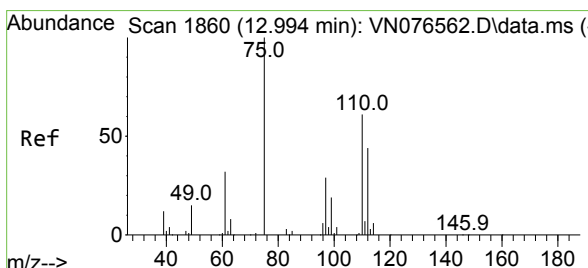
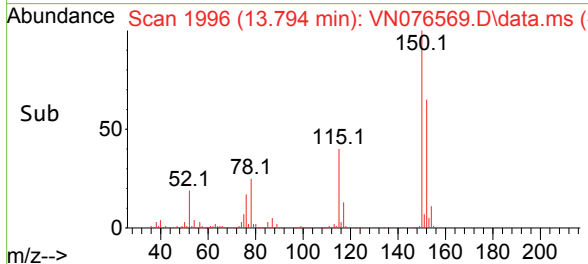
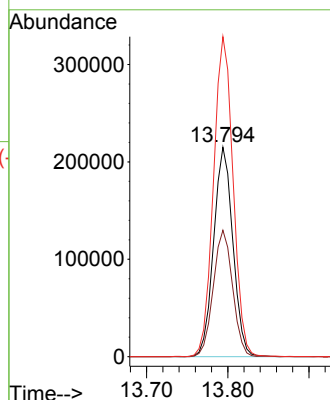
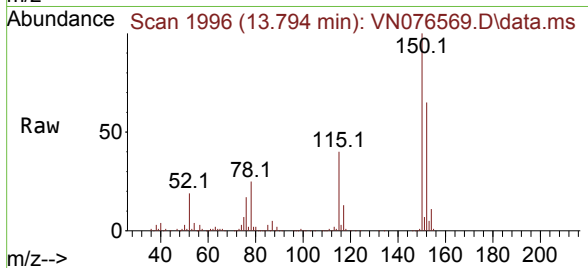




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076569.D
 Acq: 08 Feb 2023 10:45

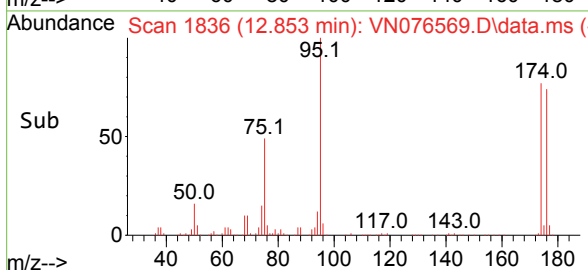
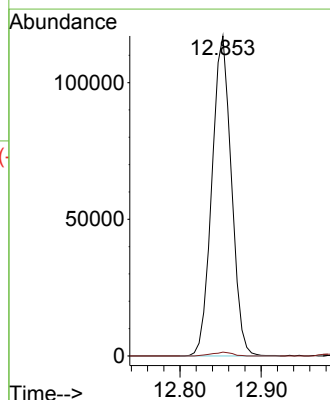
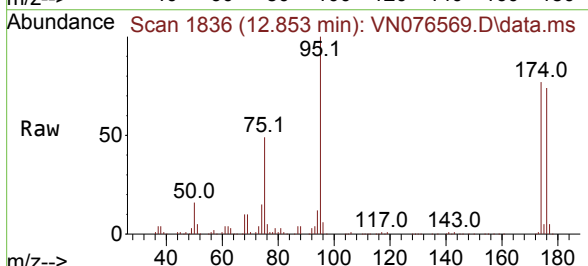
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBL01

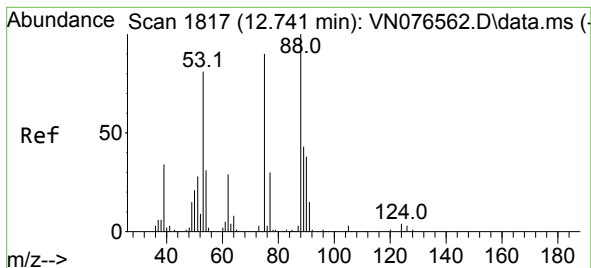
Tgt Ion:152 Resp: 353694
 Ion Ratio Lower Upper
 152 100
 115 60.7 30.8 92.3
 150 155.9 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 29.590 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN076569.D
 Acq: 08 Feb 2023 10:45

Tgt Ion: 75 Resp: 195266
 Ion Ratio Lower Upper
 75 100
 77 1.2 87.5 262.5#

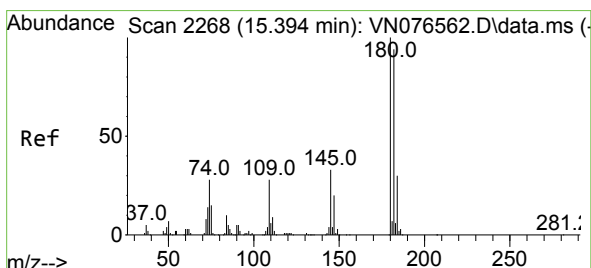
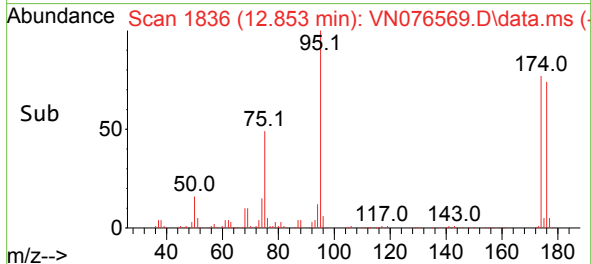
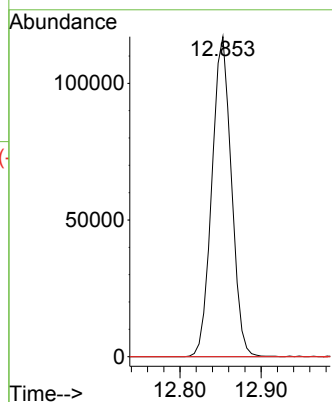
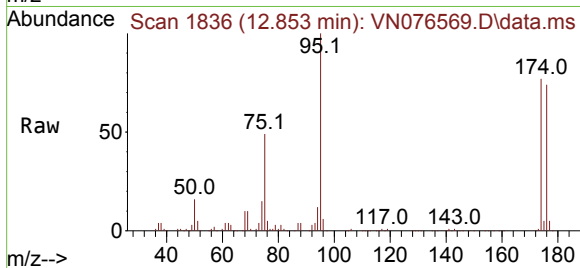




#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.860 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. 0.112 min
 Lab File: VN076569.D
 Acq: 08 Feb 2023 10:45

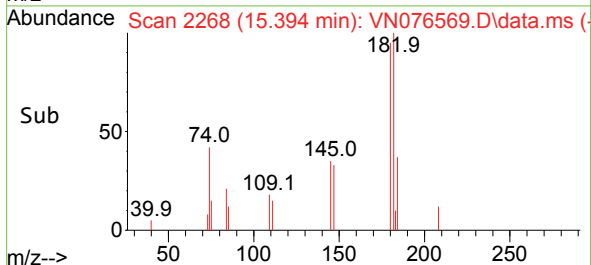
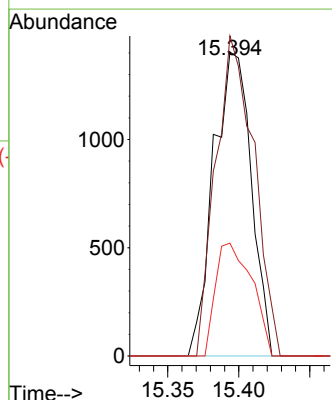
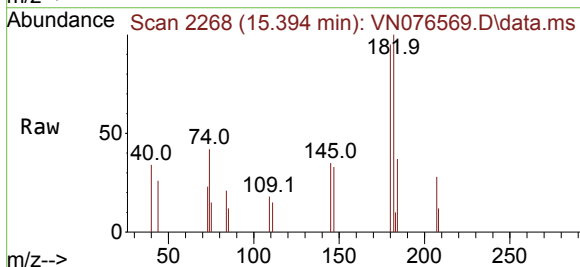
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBL01

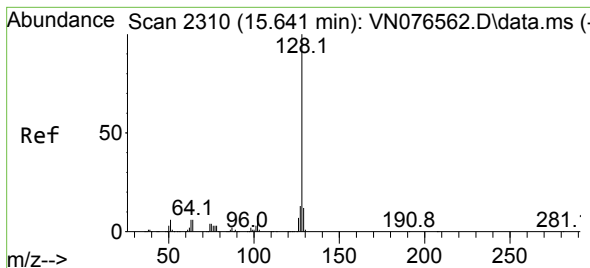
Tgt Ion: 75 Resp: 195266
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.1 115.7#
 89 0.0 41.5 62.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.461 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: VN076569.D
 Acq: 08 Feb 2023 10:45

Tgt Ion:180 Resp: 2584
 Ion Ratio Lower Upper
 180 100
 182 106.8 47.4 142.2
 145 35.9 16.3 48.8





#95

Naphthalene

Concen: 0.732 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076569.D

Acq: 08 Feb 2023 10:45

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBL01

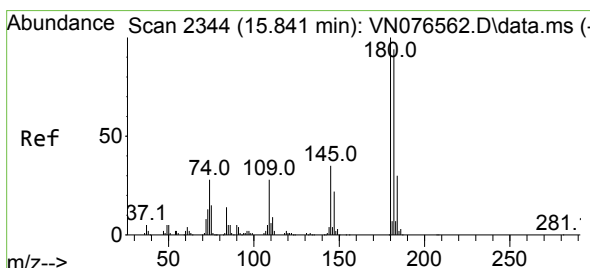
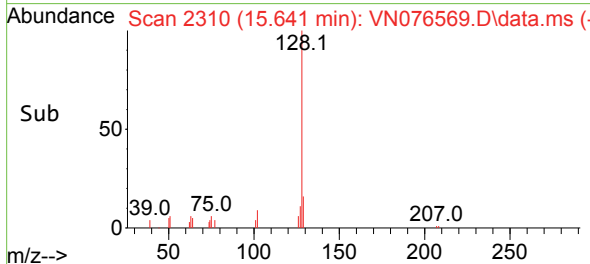
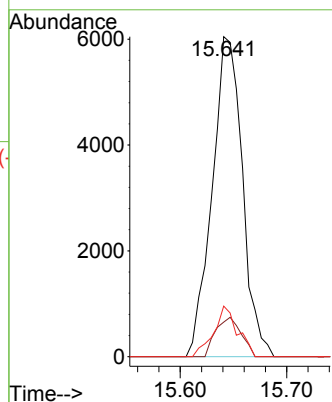
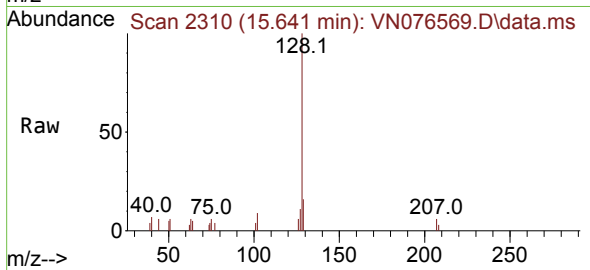
Tgt Ion:128 Resp: 11925

Ion Ratio Lower Upper

128 100

127 10.4 10.2 15.2

129 12.5 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.566 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076569.D

Acq: 08 Feb 2023 10:45

Tgt Ion:180 Resp: 3035

Ion Ratio Lower Upper

180 100

182 95.6 47.4 142.2

145 29.7 17.2 51.5

