

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082323\
 Data File : VN079009.D
 Acq On : 23 Aug 2023 12:08
 Operator : JC\MD
 Sample : VN0823WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 01:07:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

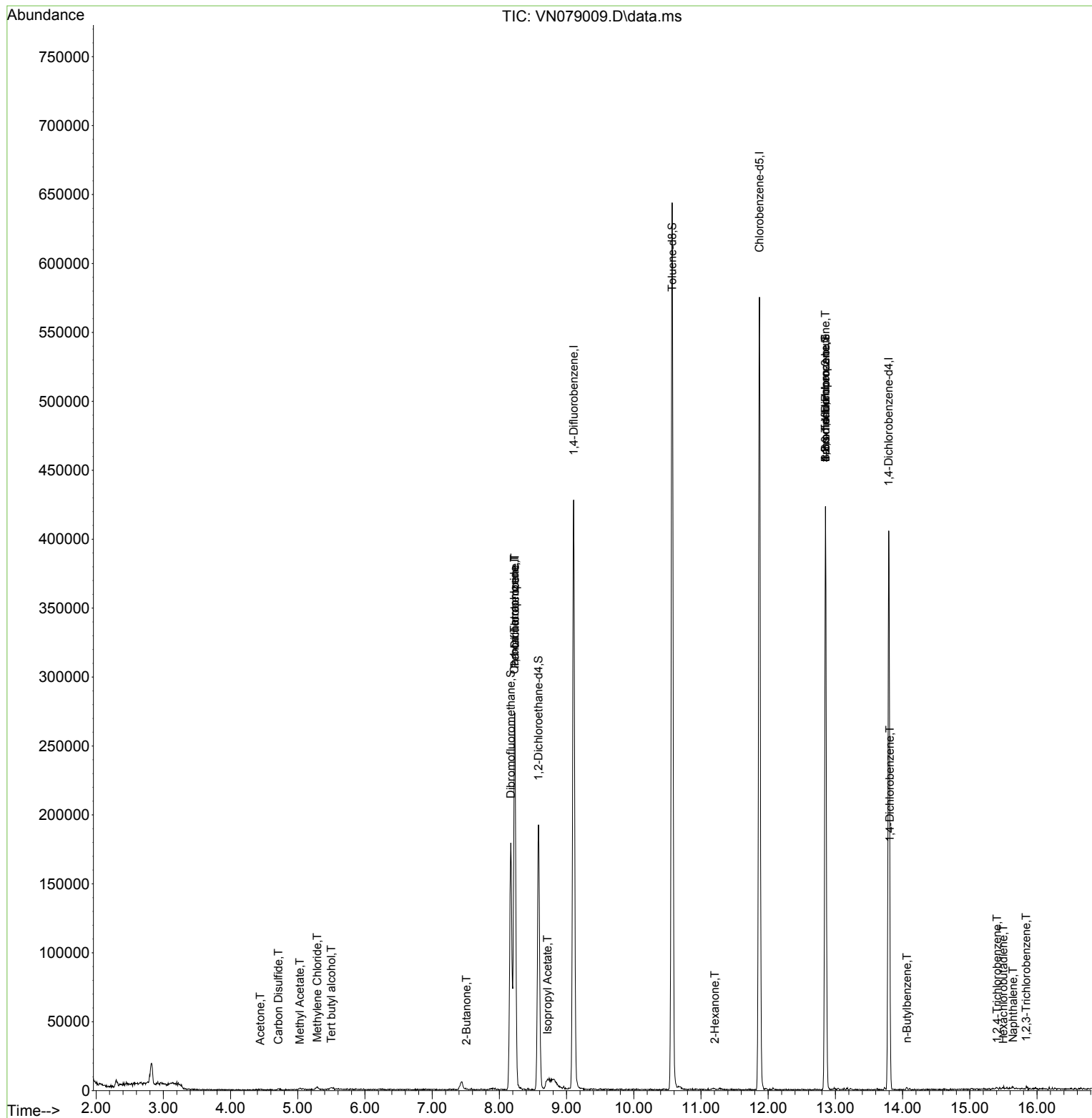
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	194159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	360958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	323355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	102094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	146922	48.629	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.260%
35) Dibromofluoromethane	8.171	113	124537	51.254	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.500%
50) Toluene-d8	10.571	98	439337	48.696	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.400%
62) 4-Bromofluorobenzene	12.853	95	132637	44.978	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.500	59	822	1.621	ug/l #	72
16) Acetone	4.442	43	503	0.403	ug/l #	40
17) Carbon Disulfide	4.712	76	1248	0.214	ug/l #	75
18) Methyl Acetate	5.030	43	1613	0.306	ug/l #	54
20) Methylene Chloride	5.289	84	925	0.348	ug/l #	83
25) 2-Butanone	7.512	43	667	0.334	ug/l #	37
31) Cyclohexane	8.224	56	5623	Below Cal	#	74
36) 1,1-Dichloropropene	8.230	75	17243	4.718	ug/l #	50
38) Carbon Tetrachloride	8.224	117	21218	5.794	ug/l #	17
43) Isopropyl Acetate	8.718	43	5808	0.804	ug/l #	49
59) 2-Hexanone	11.206	43	918	0.296	ug/l #	38
71) Bromoform	12.853	173	1283	0.678	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	75298	30.609	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75298	78.194	ug/l #	15
88) 1,4-Dichlorobenzene	13.812	146	870	0.247	ug/l #	50
89) n-Butylbenzene	14.065	91	1129	0.220	ug/l	76
93) 1,2,4-Trichlorobenzene	15.406	180	444	0.358	ug/l #	35
94) Hexachlorobutadiene	15.500	225	300	0.220	ug/l #	56
95) Naphthalene	15.647	128	1642	2.906	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.841	180	697	0.513	ug/l #	49

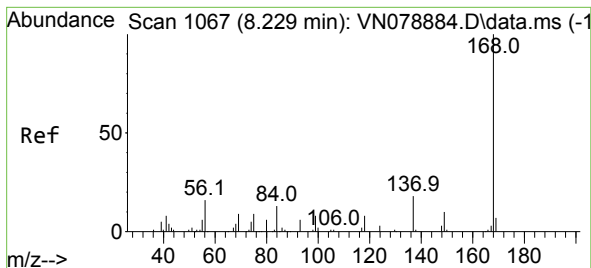
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079009.D

Acq: 23 Aug 2023 12:08

Instrument :

MSVOA_N

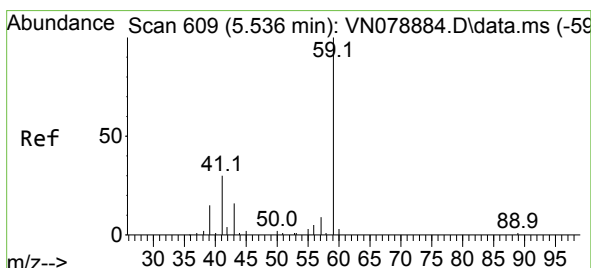
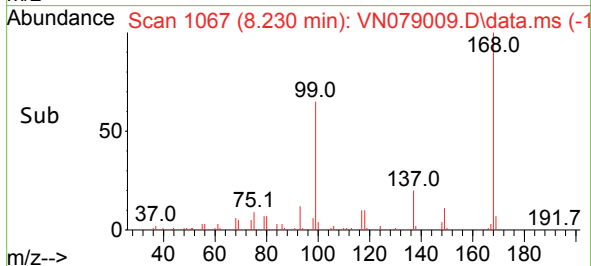
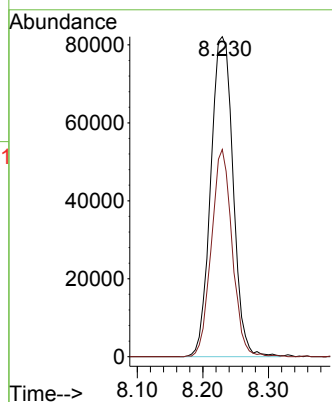
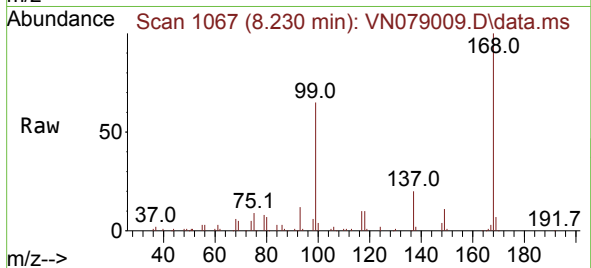
ClientSampleId :

Tgt Ion:168 Resp: 194159

Ion Ratio Lower Upper

168 100

99 64.7 53.0 79.6



#11

Tert butyl alcohol

Concen: 1.621 ug/l

RT: 5.500 min Scan# 603

Delta R.T. -0.042 min

Lab File: VN079009.D

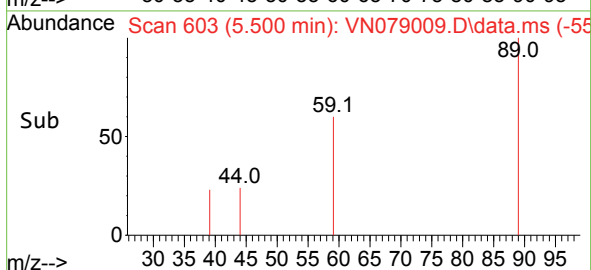
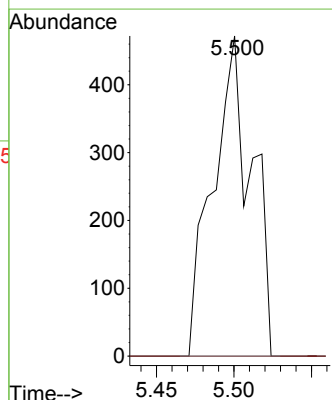
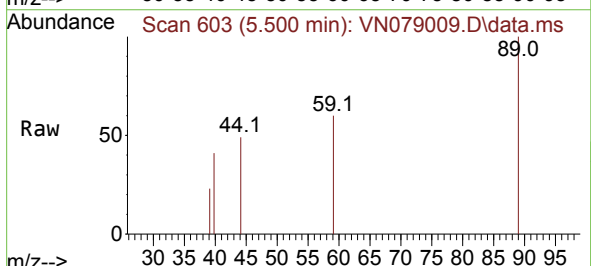
Acq: 23 Aug 2023 12:08

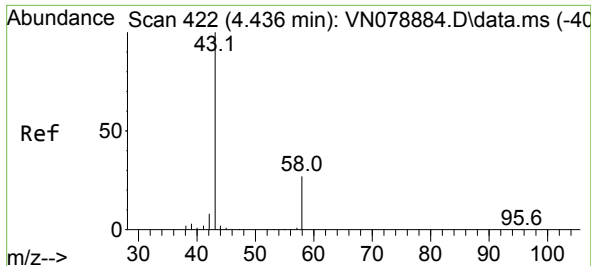
Tgt Ion: 59 Resp: 822

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 0.403 ug/l

RT: 4.442 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN079009.D

Acq: 23 Aug 2023 12:08

Instrument :

MSVOA_N

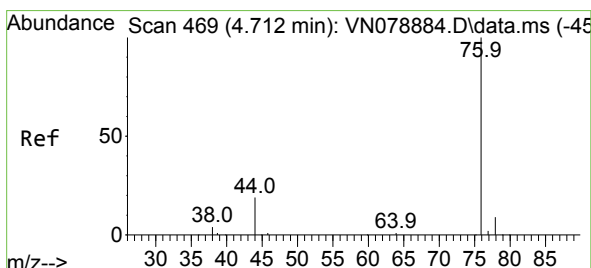
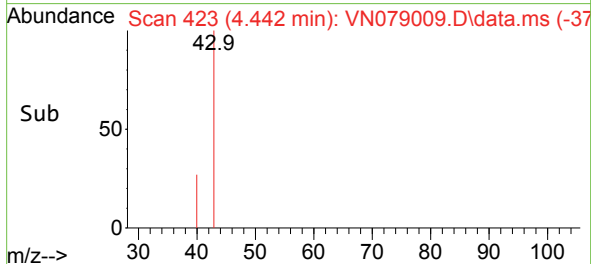
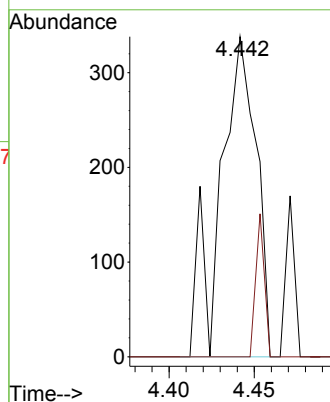
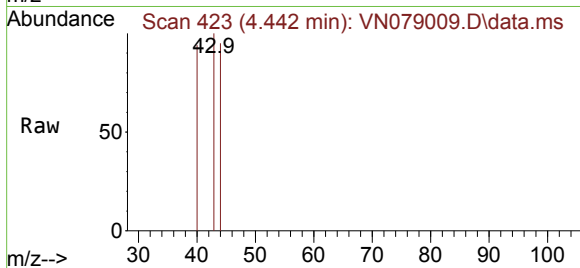
ClientSampleId :

Tgt Ion: 43 Resp: 503

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#17

Carbon Disulfide

Concen: 0.214 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.012 min

Lab File: VN079009.D

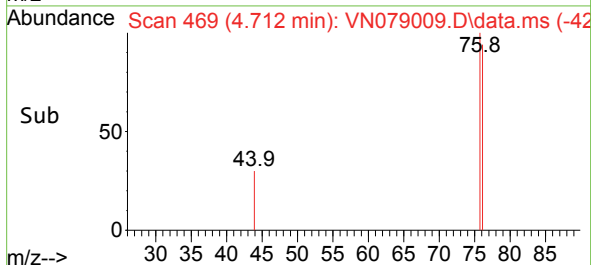
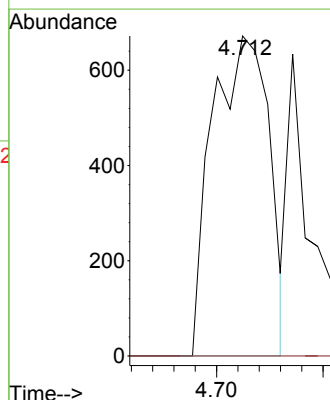
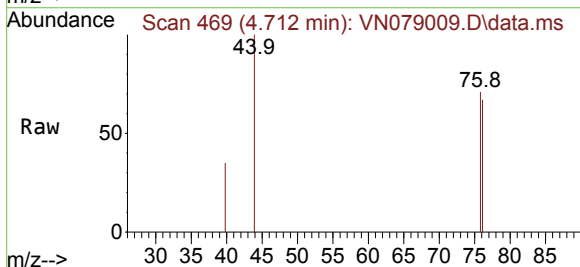
Acq: 23 Aug 2023 12:08

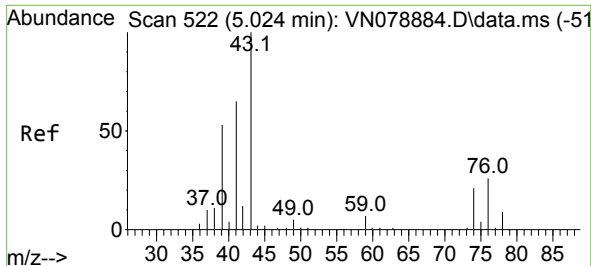
Tgt Ion: 76 Resp: 1248

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

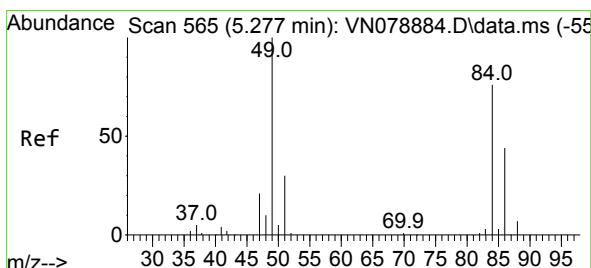
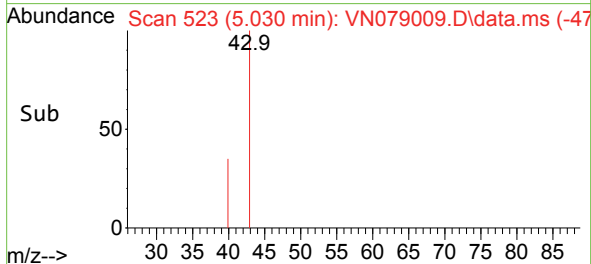
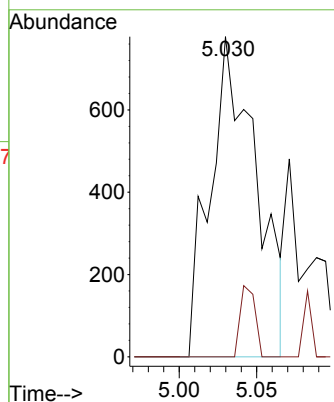
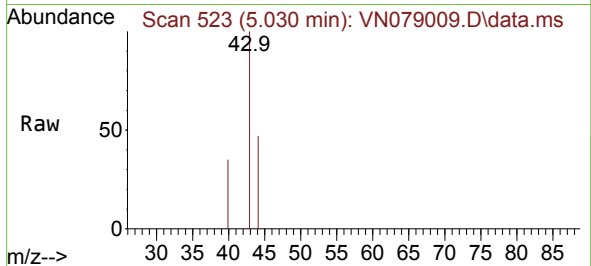




#18
Methyl Acetate
Concen: 0.306 ug/l
RT: 5.030 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08

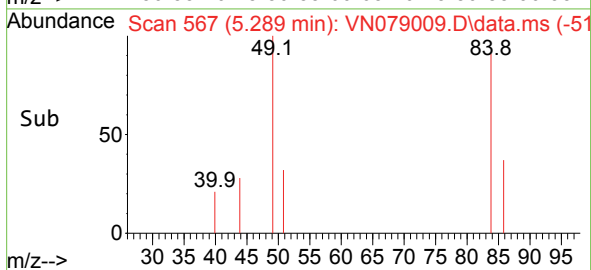
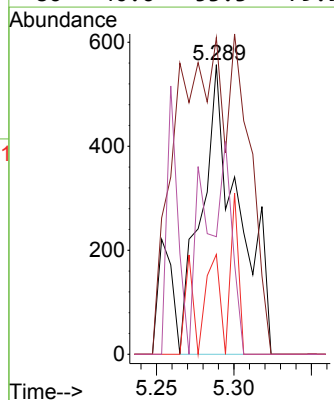
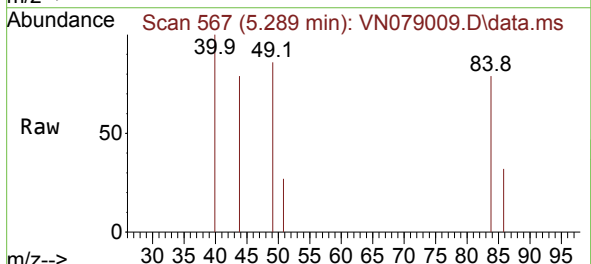
Instrument :
MSVOA_N
ClientSampleId :

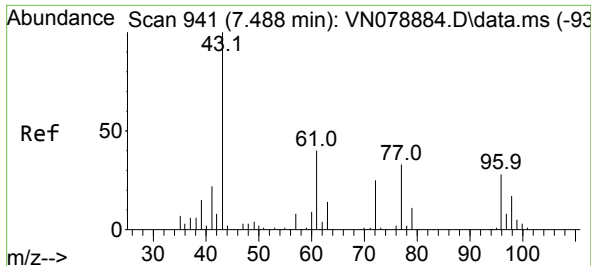
Tgt Ion: 43 Resp: 1613
Ion Ratio Lower Upper
43 100
74 7.1 26.2 39.4#



#20
Methylene Chloride
Concen: 0.348 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08

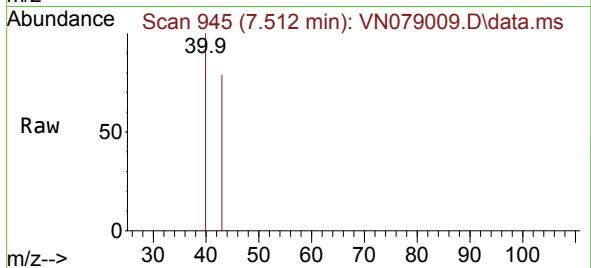
Tgt Ion: 84 Resp: 925
Ion Ratio Lower Upper
84 100
49 109.3 79.7 119.5
51 34.5 25.2 37.8
86 40.6 53.3 79.9#



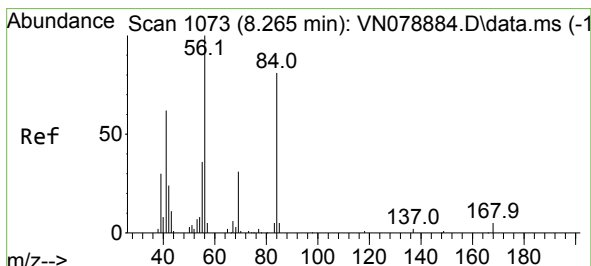
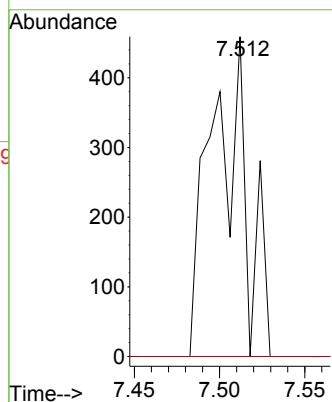
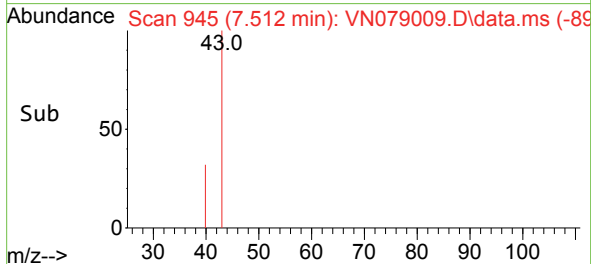


#25
2-Butanone
Concen: 0.334 ug/l
RT: 7.512 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08

Instrument :
MSVOA_N
ClientSampleId :

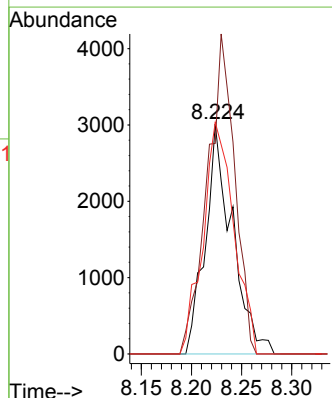
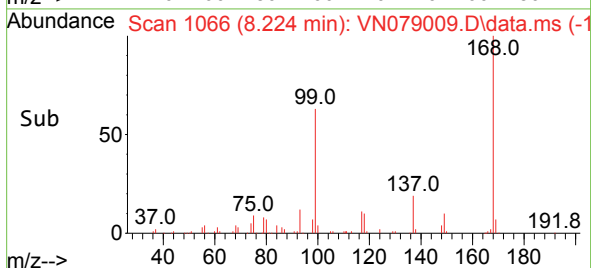
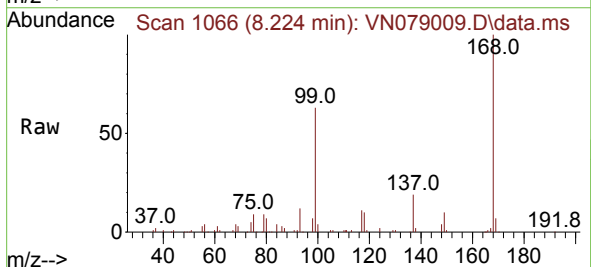


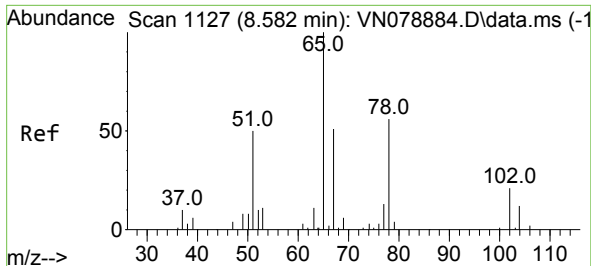
Tgt Ion: 43 Resp: 667
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08

Tgt Ion: 56 Resp: 5623
Ion Ratio Lower Upper
56 100
69 91.5 26.8 40.2#
84 100.7 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 48.629 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079009.D

Acq: 23 Aug 2023 12:08

Instrument :

MSVOA_N

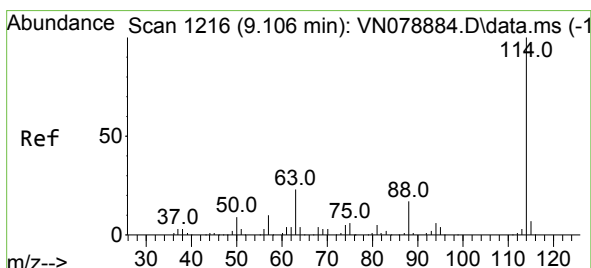
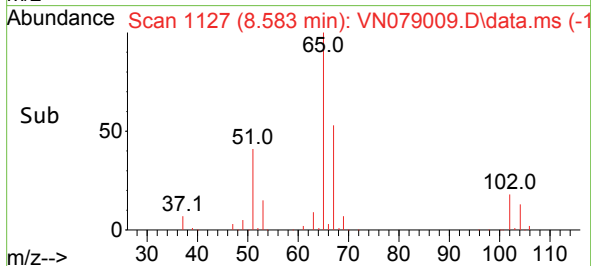
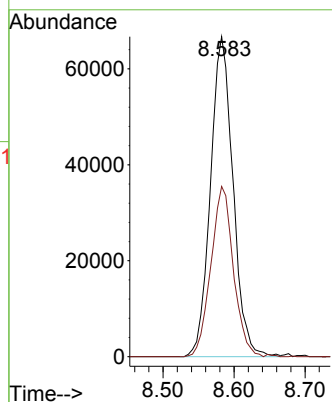
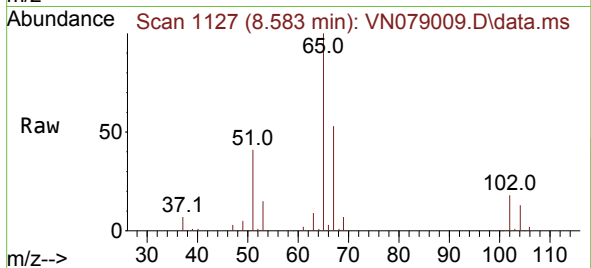
ClientSampleId :

Tgt Ion: 65 Resp: 146922

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079009.D

Acq: 23 Aug 2023 12:08

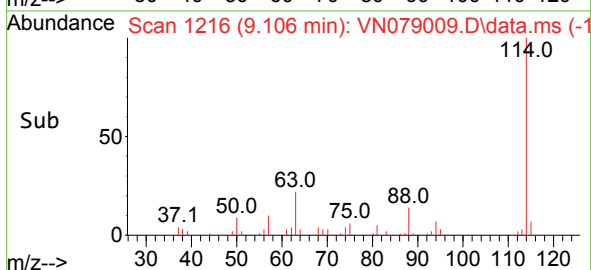
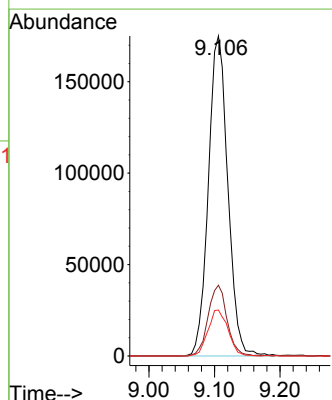
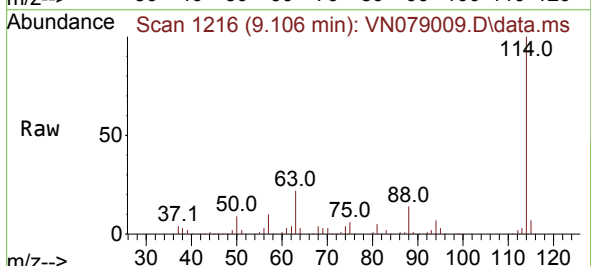
Tgt Ion: 114 Resp: 360958

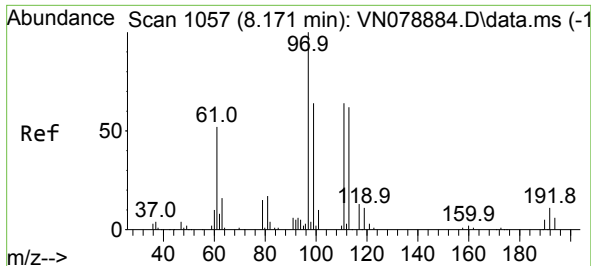
Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 14.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.254 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079009.D

Acq: 23 Aug 2023 12:08

Instrument :

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ClientSampleId :

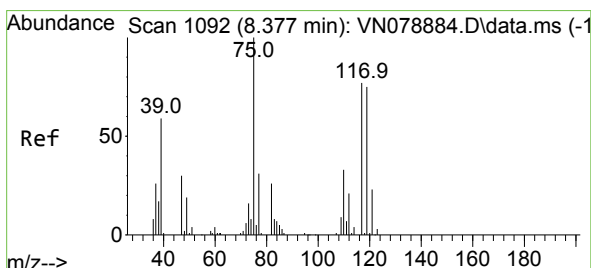
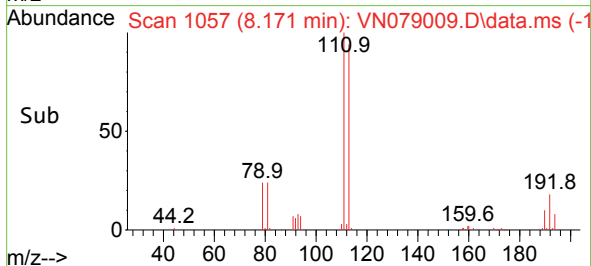
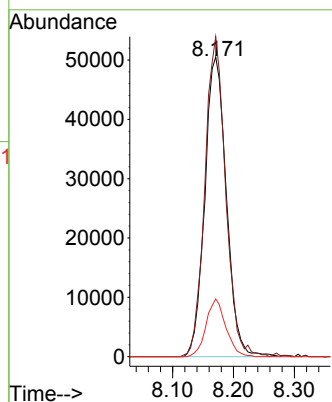
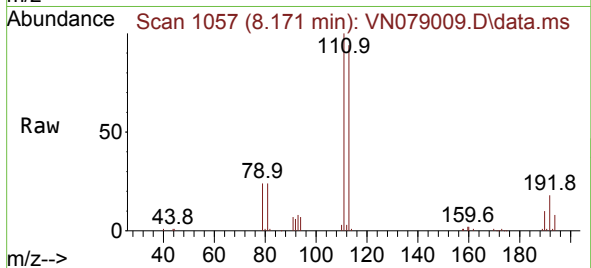
Tgt Ion:113 Resp: 124537

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 17.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.718 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079009.D

Acq: 23 Aug 2023 12:08

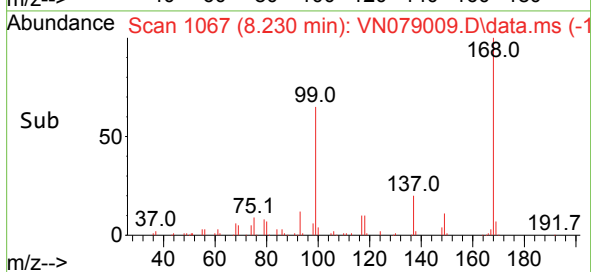
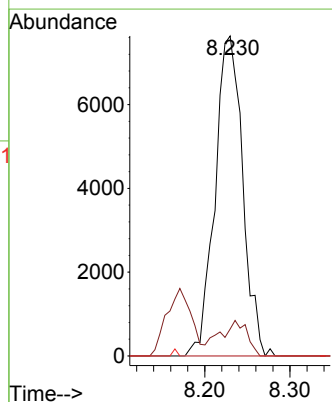
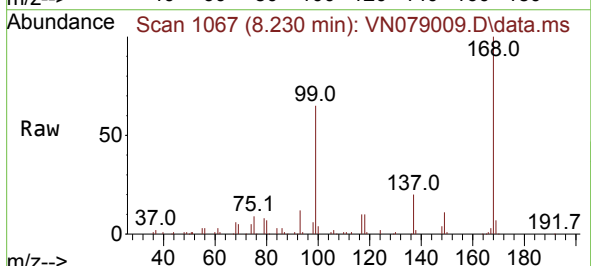
Tgt Ion: 75 Resp: 17243

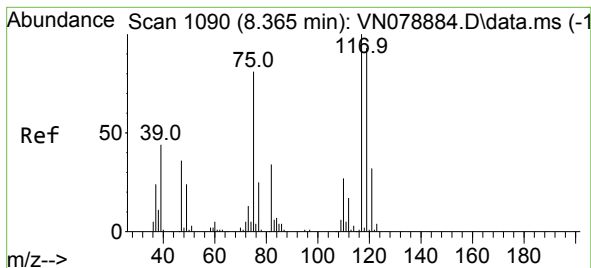
Ion Ratio Lower Upper

75 100

110 10.9 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.794 ug/l

RT: 8.224 min Scan# 110

Delta R.T. -0.147 min

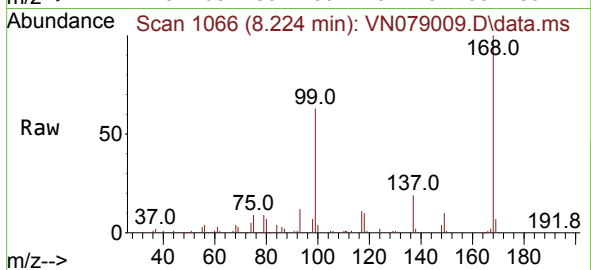
Lab File: VN079009.D

Acq: 23 Aug 2023 12:08

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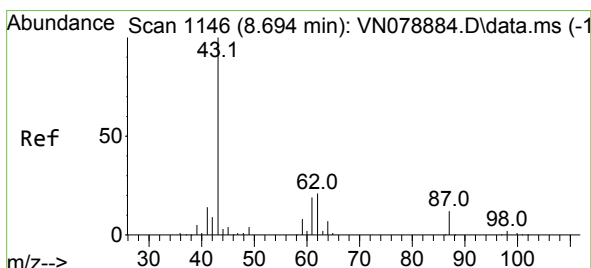
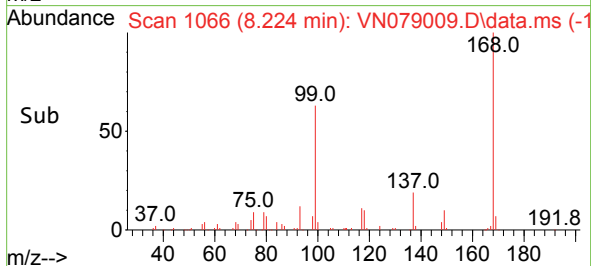
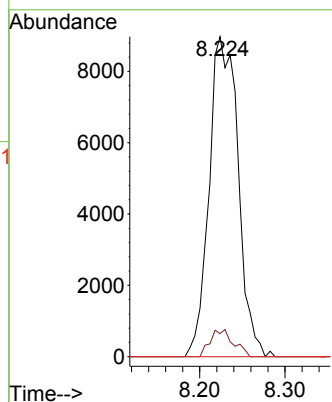
Tgt Ion:117 Resp: 21218

Ion Ratio Lower Upper

117 100

119 7.2 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.804 ug/l

RT: 8.718 min Scan# 1150

Delta R.T. 0.024 min

Lab File: VN079009.D

Acq: 23 Aug 2023 12:08

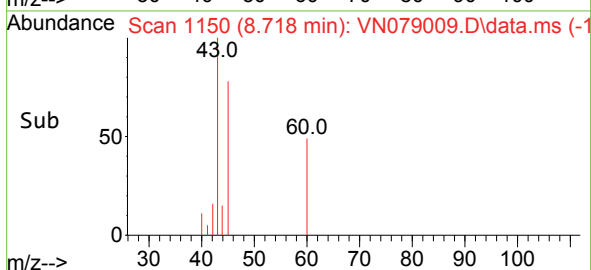
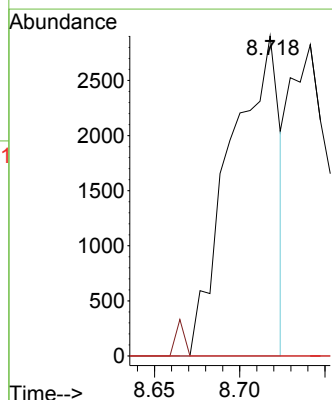
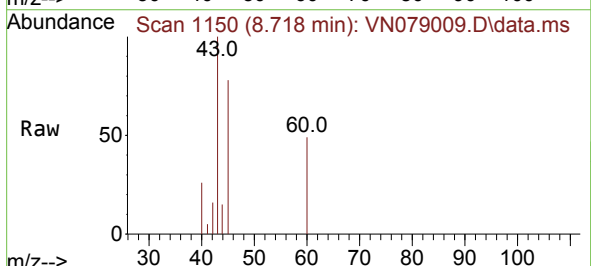
Tgt Ion: 43 Resp: 5808

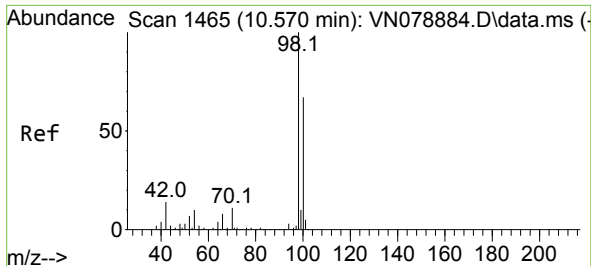
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

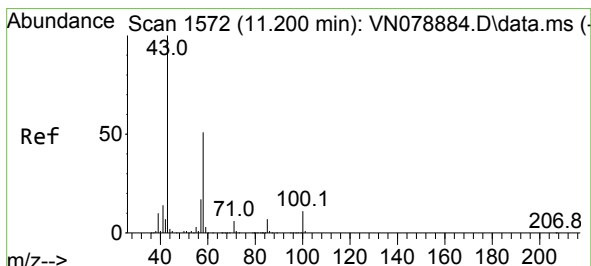
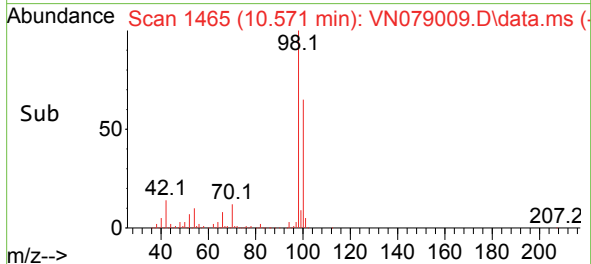
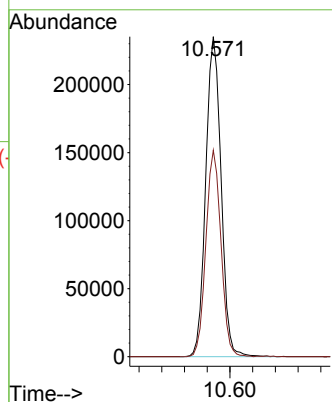
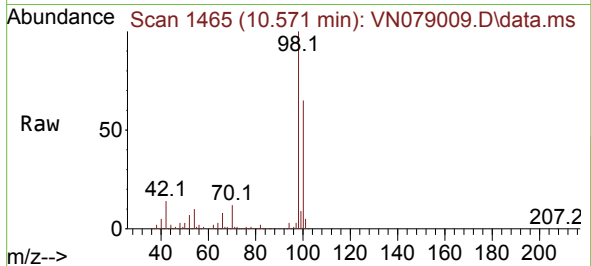




#50
Toluene-d8
Concen: 48.696 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08

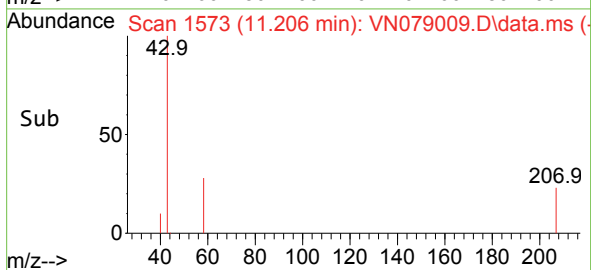
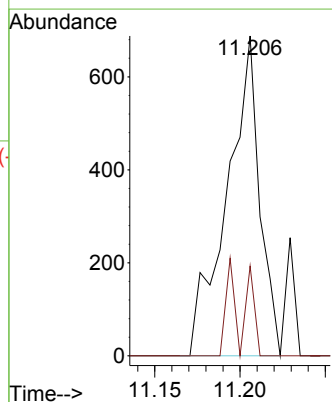
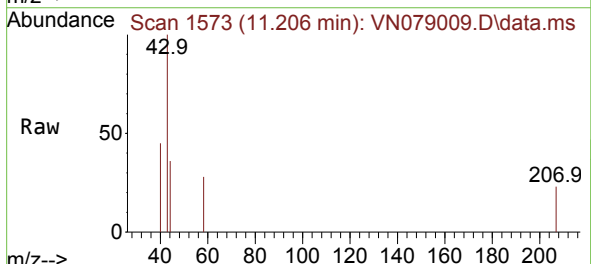
Instrument :
MSVOA_N
ClientSampleId :

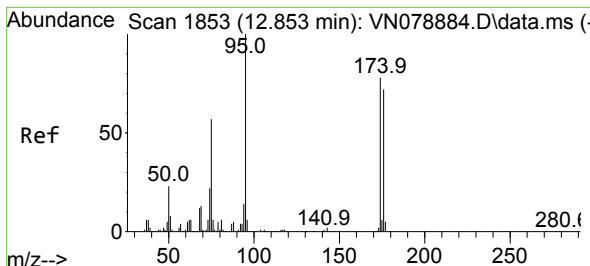
Tgt Ion: 98 Resp: 439337
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#59
2-Hexanone
Concen: 0.296 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08

Tgt Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
58 15.5 31.7 95.1#

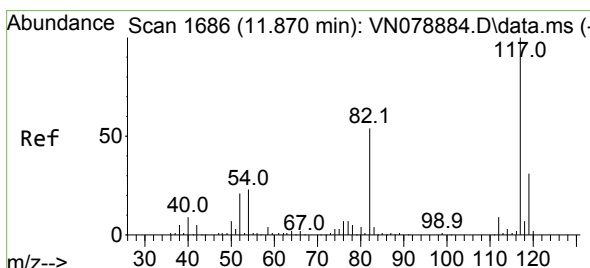
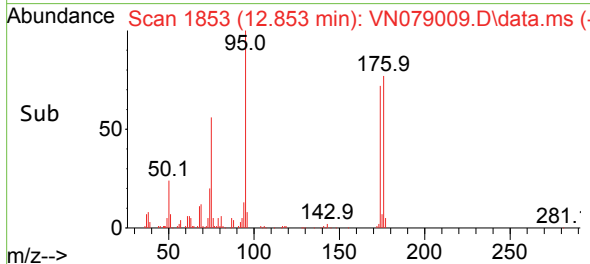
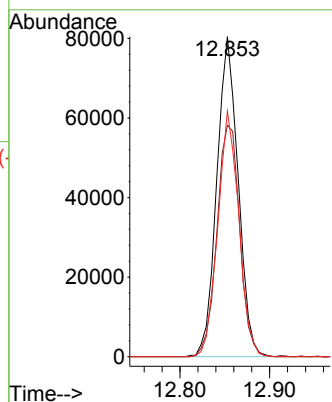
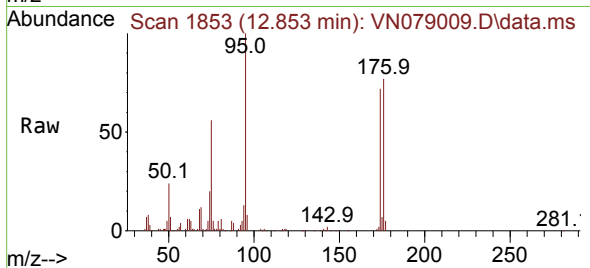




#62
4-Bromofluorobenzene
Concen: 44.978 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08

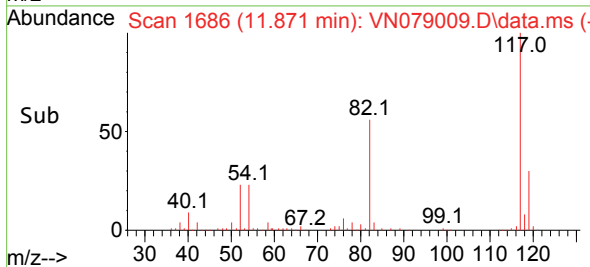
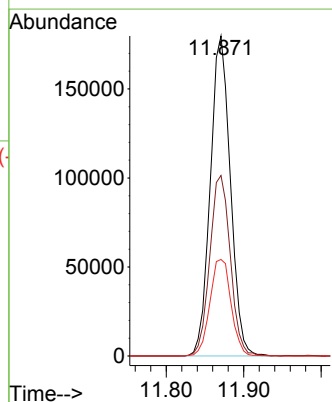
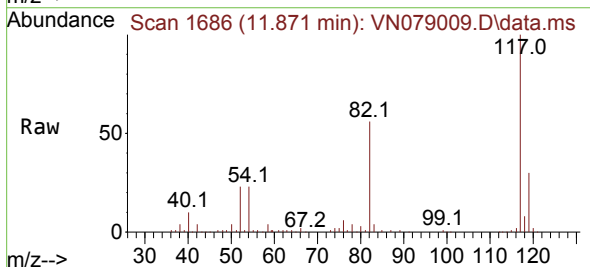
Instrument :
MSVOA_N
ClientSampleId :

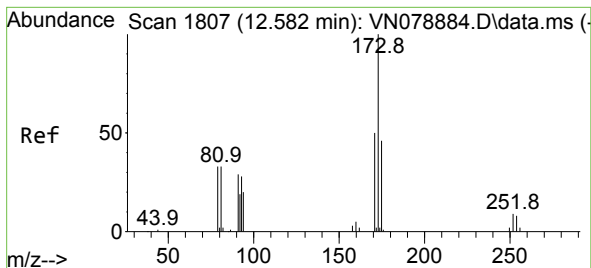
Tgt Ion: 95 Resp: 132637
Ion Ratio Lower Upper
95 100
174 77.2 0.0 143.8
176 75.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08

Tgt Ion: 117 Resp: 323355
Ion Ratio Lower Upper
117 100
82 56.4 44.0 66.0
119 30.2 25.6 38.4





#71

Bromoform

Concen: 0.678 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN079009.D

Acq: 23 Aug 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :

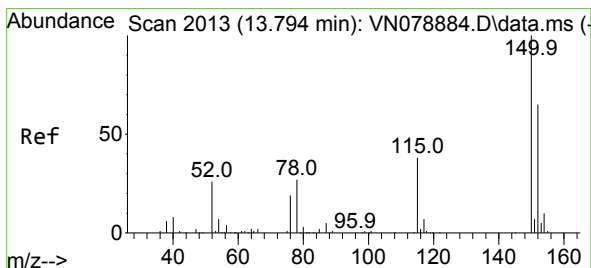
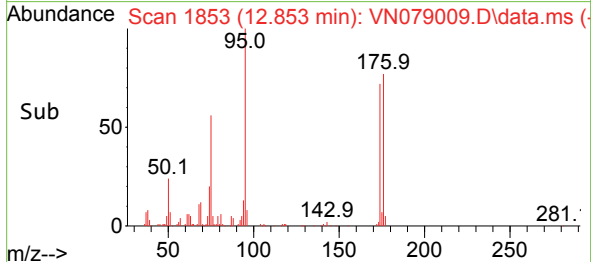
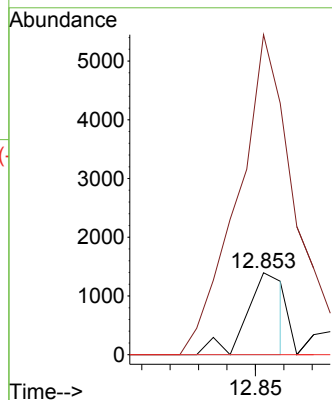
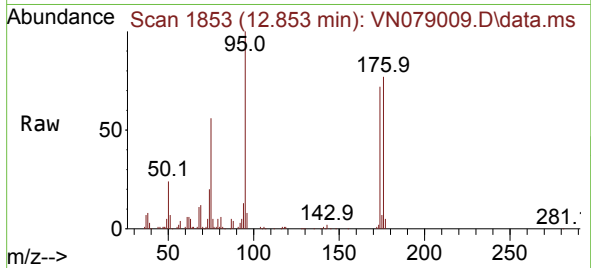
Tgt Ion:173 Resp: 1283

Ion Ratio Lower Upper

173 100

175 465.2 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN079009.D

Acq: 23 Aug 2023 12:08

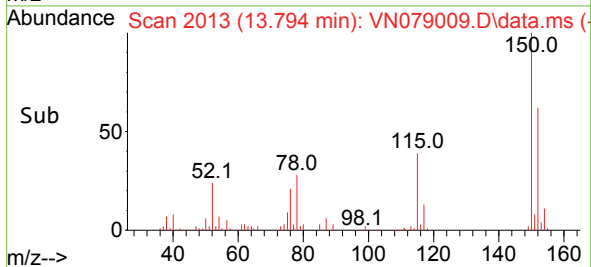
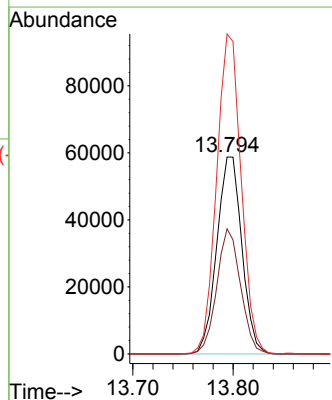
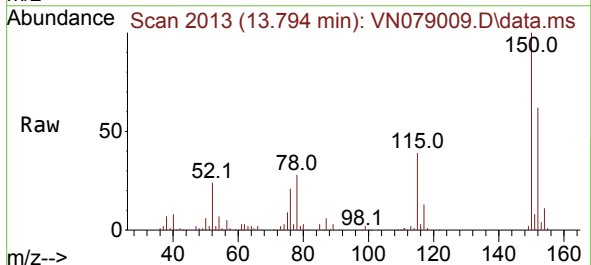
Tgt Ion:152 Resp: 102094

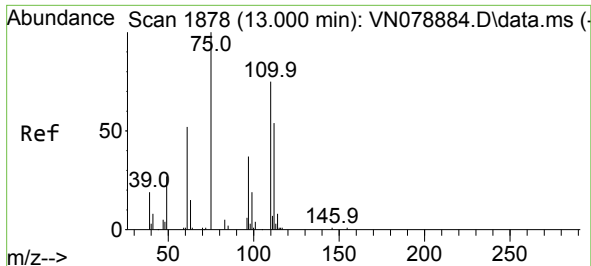
Ion Ratio Lower Upper

152 100

115 60.4 32.3 96.8

150 158.9 0.0 355.8

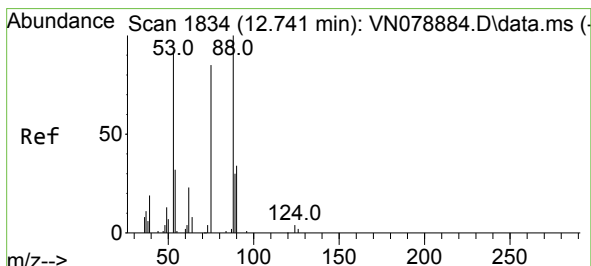
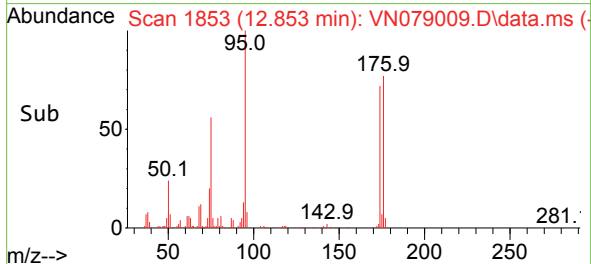
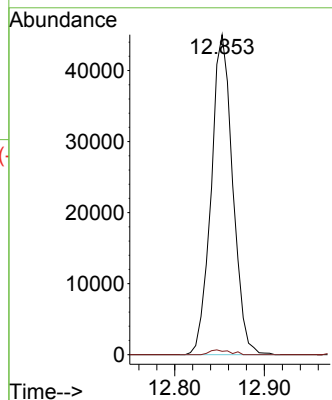
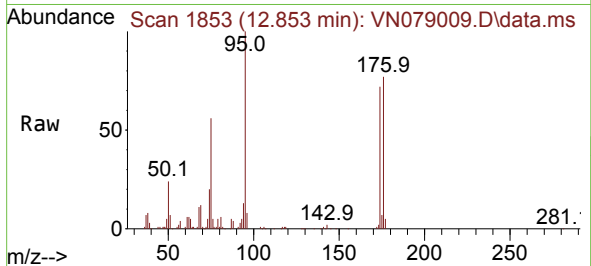




#76
1,2,3-Trichloropropane
Concen: 30.609 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08

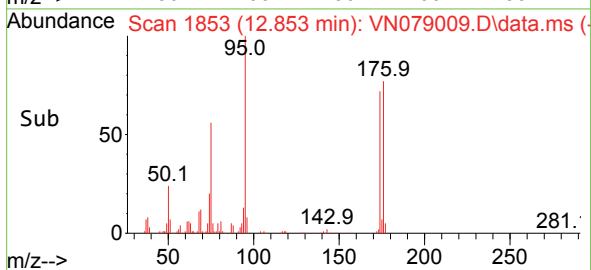
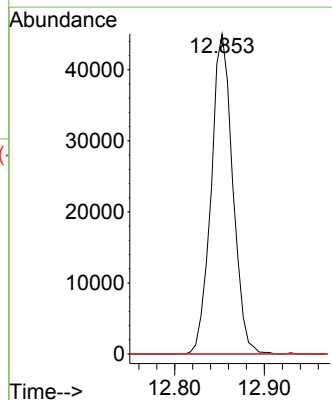
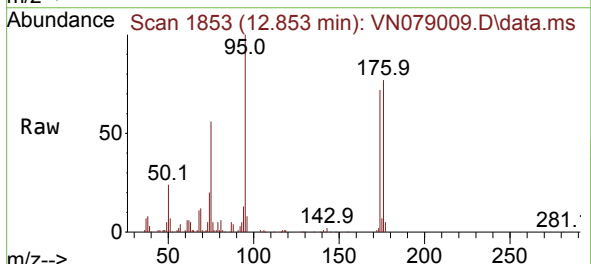
Instrument :
MSVOA_N
ClientSampleId :

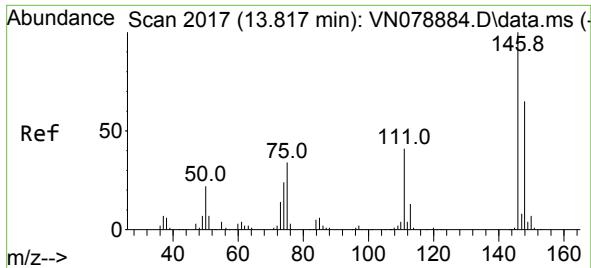
Tgt Ion: 75 Resp: 75298
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.194 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08

Tgt Ion: 75 Resp: 75298
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

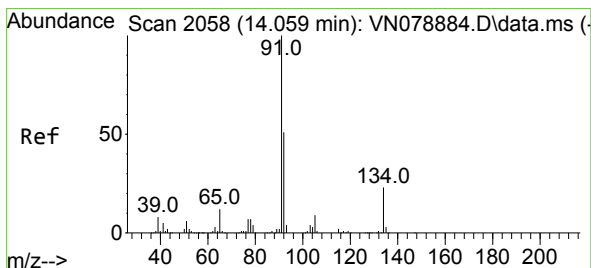
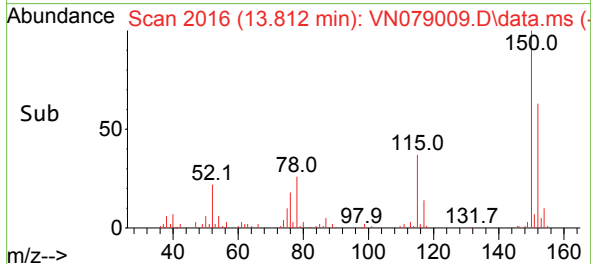
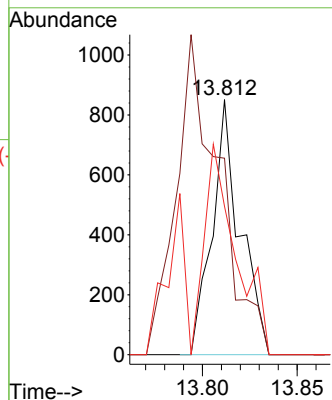
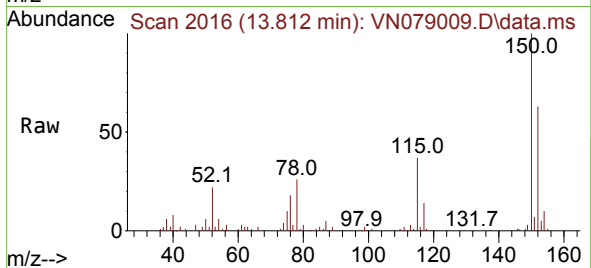




#88
1,4-Dichlorobenzene
Concen: 0.247 ug/l
RT: 13.812 min Scan# 2017
Delta R.T. -0.006 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08

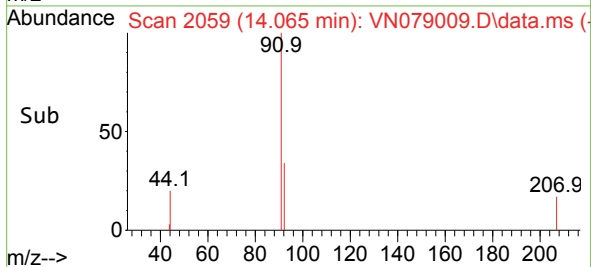
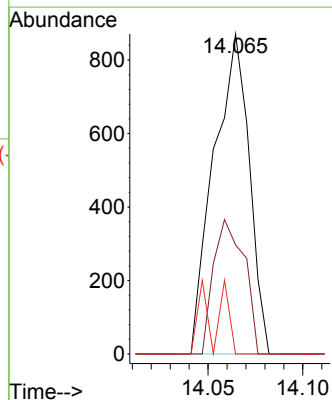
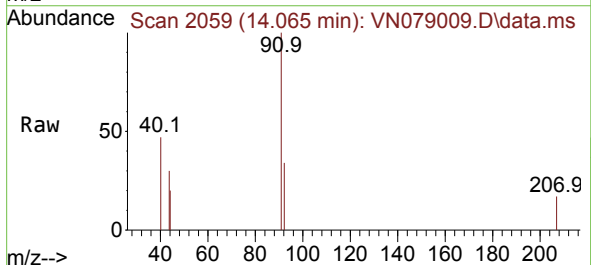
Instrument :
MSVOA_N
ClientSampleId :

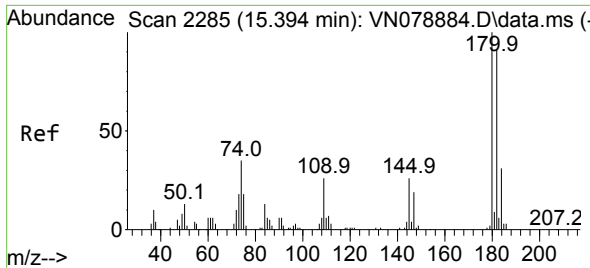
Tgt Ion:146 Resp: 870
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.8#
148 94.1 31.6 94.8



#89
n-Butylbenzene
Concen: 0.220 ug/l
RT: 14.065 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08

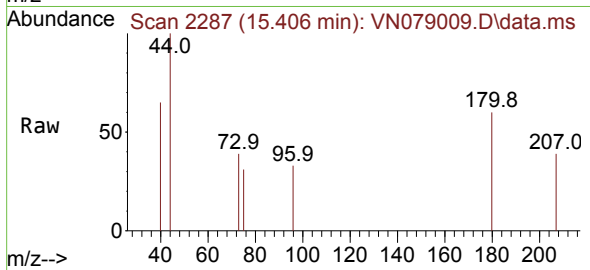
Tgt Ion: 91 Resp: 1129
Ion Ratio Lower Upper
91 100
92 36.5 26.4 79.0
134 12.6 12.6 37.6



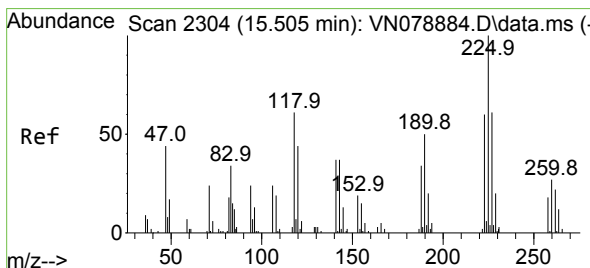
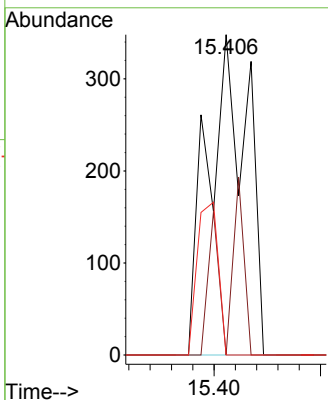
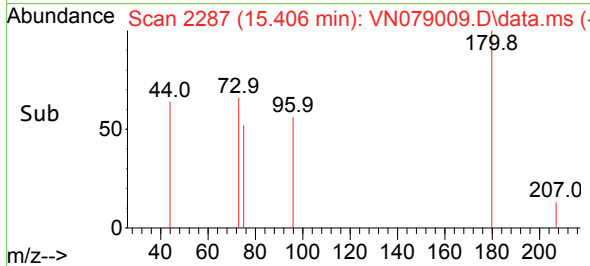


#93
1,2,4-Trichlorobenzene
Concen: 0.358 ug/l
RT: 15.406 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08

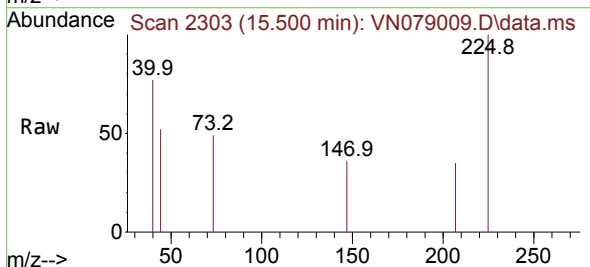
Instrument :
MSVOA_N
ClientSampleId :



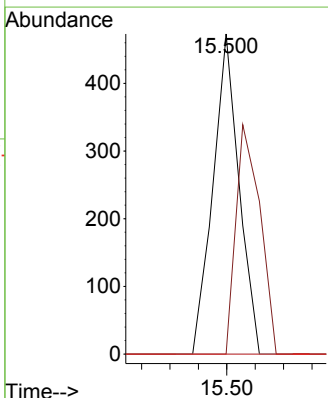
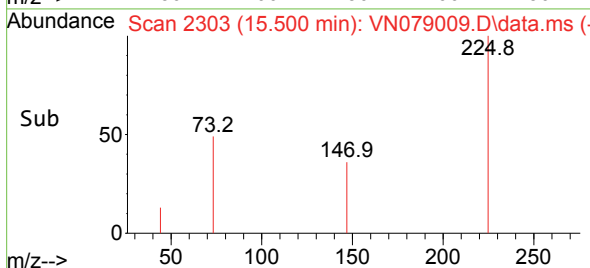
Tgt Ion:180 Resp: 444
Ion Ratio Lower Upper
180 100
182 12.4 46.1 138.2#
145 25.5 16.6 49.8

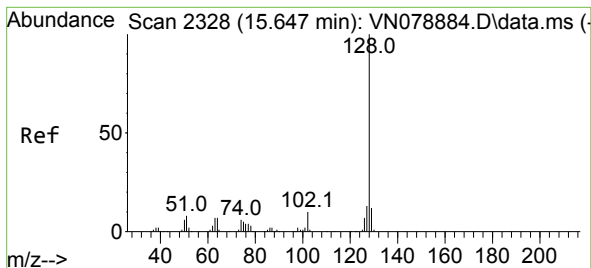


#94
Hexachlorobutadiene
Concen: 0.220 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN079009.D
Acq: 23 Aug 2023 12:08



Tgt Ion:225 Resp: 300
Ion Ratio Lower Upper
225 100
223 66.3 31.3 93.8
227 0.0 31.9 95.9#





#95

Naphthalene

Concen: 2.906 ug/l

RT: 15.647 min Scan# 21

Delta R.T. -0.000 min

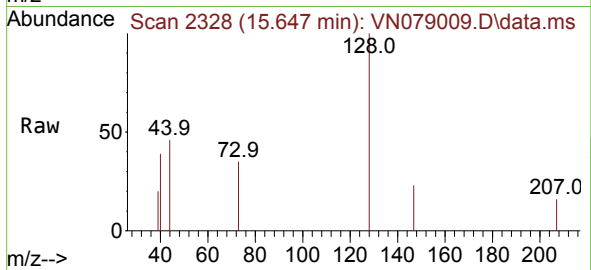
Lab File: VN079009.D

Acq: 23 Aug 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :



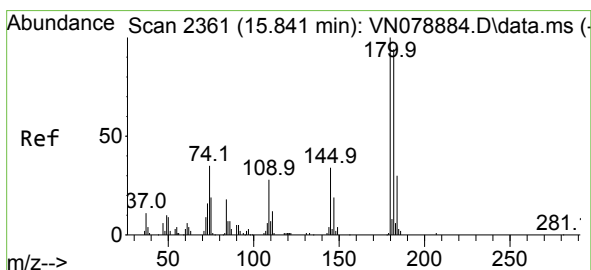
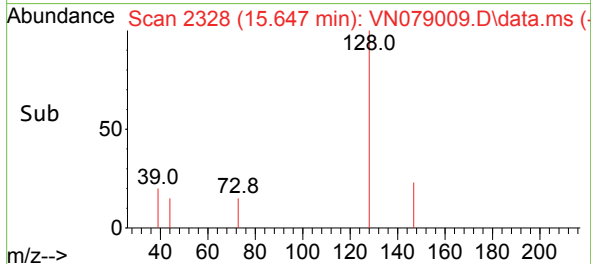
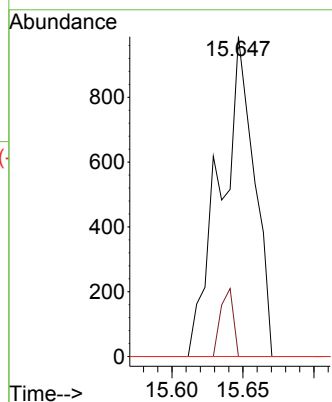
Tgt Ion:128 Resp: 1642

Ion Ratio Lower Upper

128 100

127 7.9 10.0 15.0#

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.513 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.006 min

Lab File: VN079009.D

Acq: 23 Aug 2023 12:08

Tgt Ion:180 Resp: 697

Ion Ratio Lower Upper

180 100

182 47.1 46.2 138.6

145 0.0 17.5 52.6#

