

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011323\
 Data File : VN076256.D
 Acq On : 13 Jan 2023 18:15
 Operator : JC\MD
 Sample : 01160-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2023-1-13

Quant Time: Jan 16 01:14:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

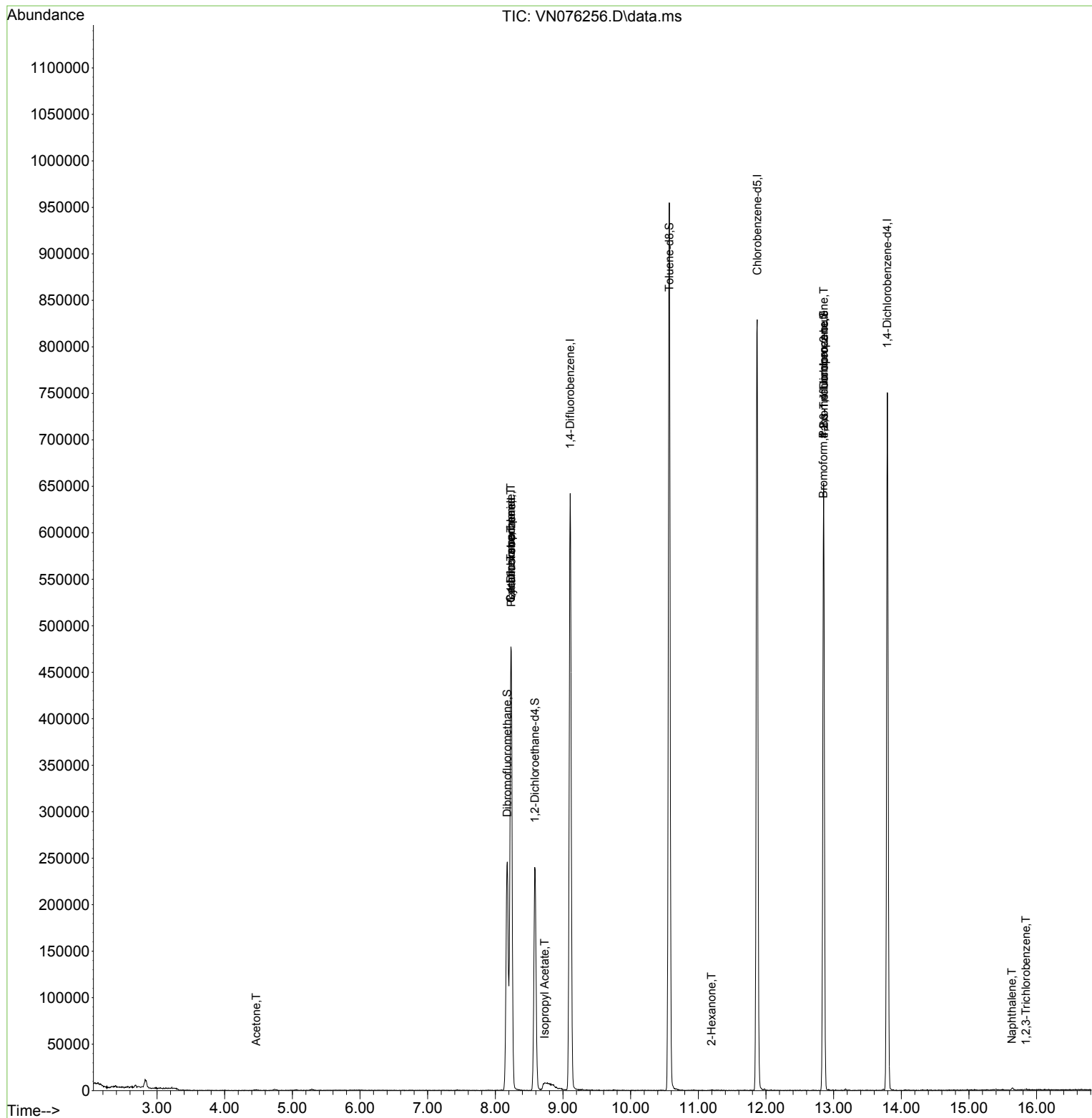
Internal Standards						
1) Pentafluorobenzene	8.235	168	375448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	594611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	516223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	211011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	193876	47.466	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.940%		
35) Dibromofluoromethane	8.177	113	176759	48.002	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.000%		
50) Toluene-d8	10.571	98	676932	49.168	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.340%		
62) 4-Bromofluorobenzene	12.853	95	211401	46.359	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.720%		
Target Compounds						
					Qvalue	
16) Acetone	4.465	43	1439	1.022	ug/l #	39
20) Methylene Chloride	5.289	84	908	Below Cal	#	82
31) Cyclohexane	8.229	56	7343	1.255	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	26277	5.372	ug/l #	49
38) Carbon Tetrachloride	8.229	117	36581	6.682	ug/l #	16
43) Isopropyl Acetate	8.729	43	7606	1.174	ug/l #	50
59) 2-Hexanone	11.194	43	671	0.235	ug/l #	20
71) Bromoform	12.847	173	1590	0.557	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	109665	25.782	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	109665	92.804	ug/l #	12
95) Naphthalene	15.635	128	2938	2.422	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.841	180	727	0.224	ug/l #	32

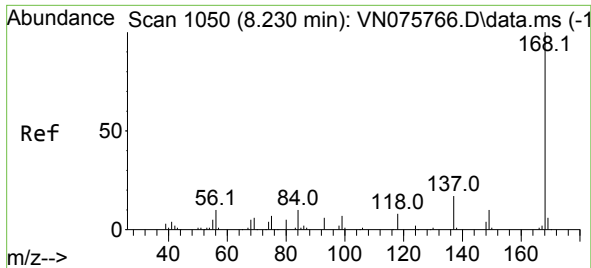
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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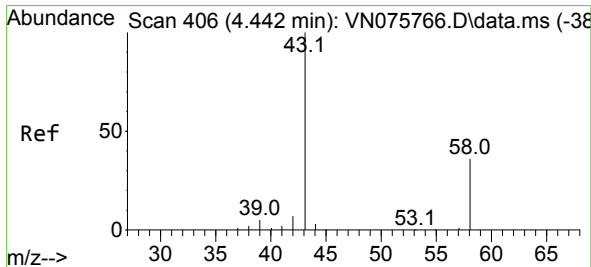
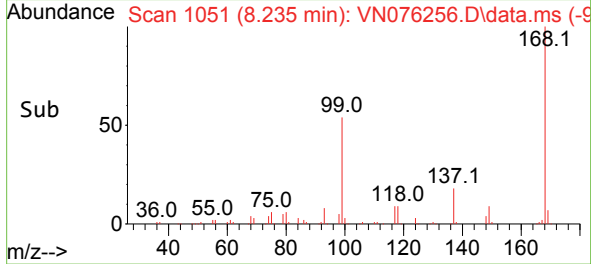
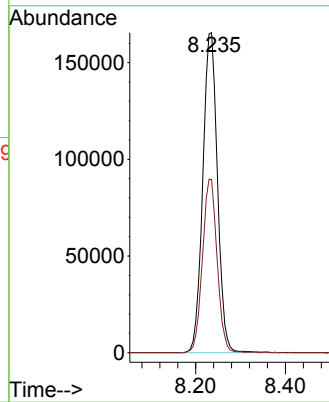
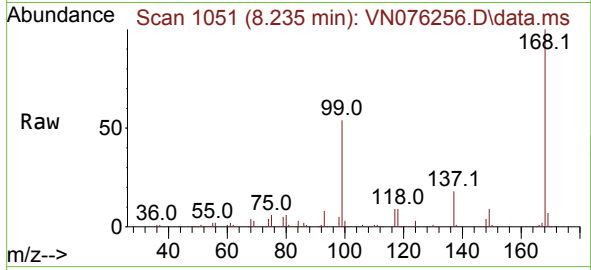




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. 0.005 min
Lab File: VN076256.D
Acq: 13 Jan 2023 18:15

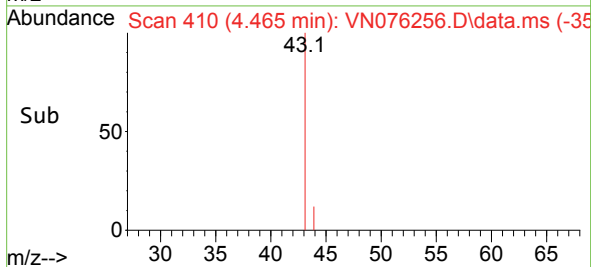
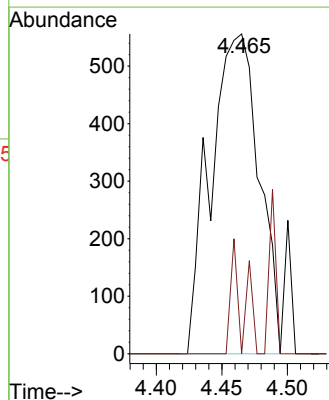
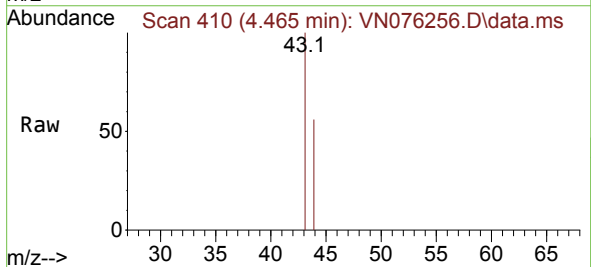
Instrument :
MSVOA_N
ClientSampleId :
TB-2023-1-13

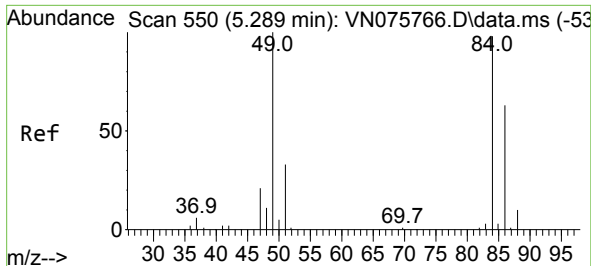
Tgt Ion:168 Resp: 375448
Ion Ratio Lower Upper
168 100
99 54.1 44.2 66.4



#16
Acetone
Concen: 1.022 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.023 min
Lab File: VN076256.D
Acq: 13 Jan 2023 18:15

Tgt Ion: 43 Resp: 1439
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

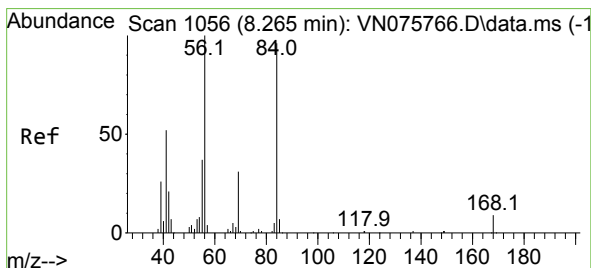
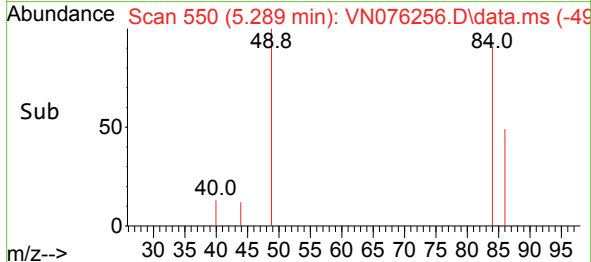
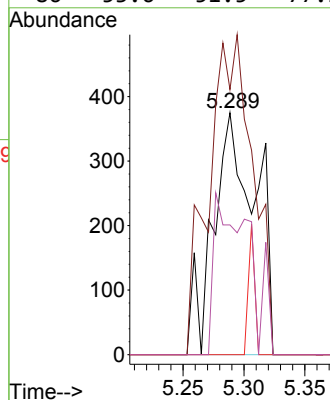
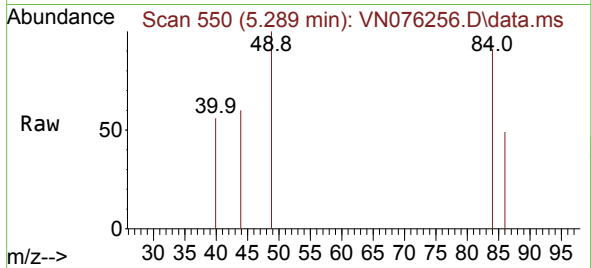




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076256.D
Acq: 13 Jan 2023 18:15

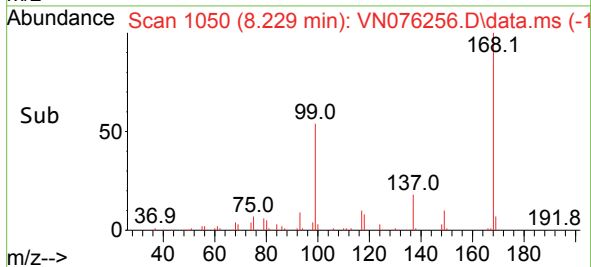
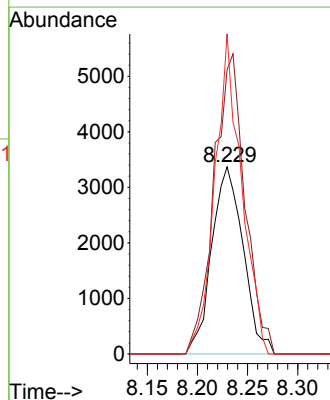
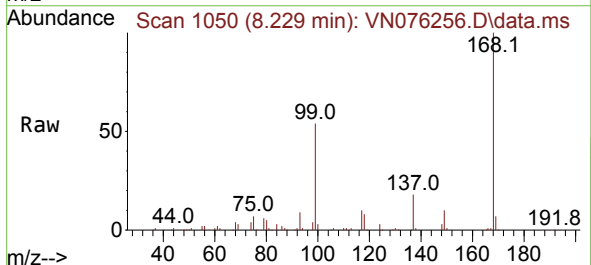
Instrument :
MSVOA_N
ClientSampleId :
TB-2023-1-13

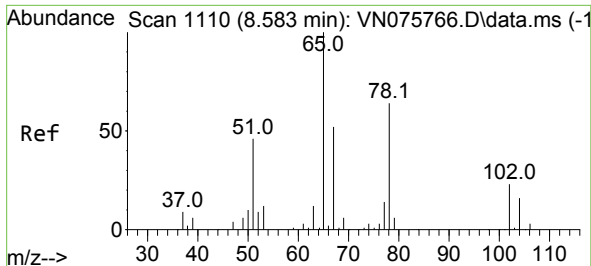
Tgt Ion:	84	Resp:	908
Ion	Ratio	Lower	Upper
84	100		
49	109.6	81.8	122.6
51	0.0	26.7	40.1#
86	53.6	51.5	77.3



#31
Cyclohexane
Concen: 1.255 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076256.D
Acq: 13 Jan 2023 18:15

Tgt Ion:	56	Resp:	7343
Ion	Ratio	Lower	Upper
56	100		
69	151.9	24.7	37.1#
84	171.1	76.5	114.7#





#33

1,2-Dichloroethane-d4

Concen: 47.466 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076256.D

Acq: 13 Jan 2023 18:15

Instrument :

MSVOA_N

ClientSampleId :

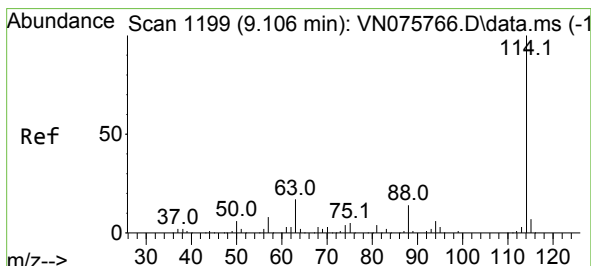
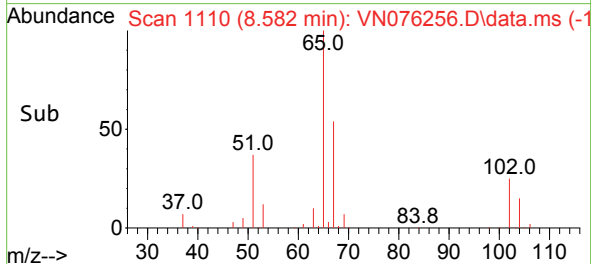
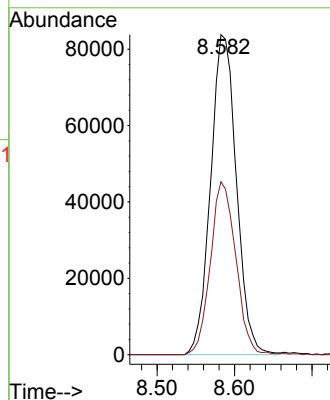
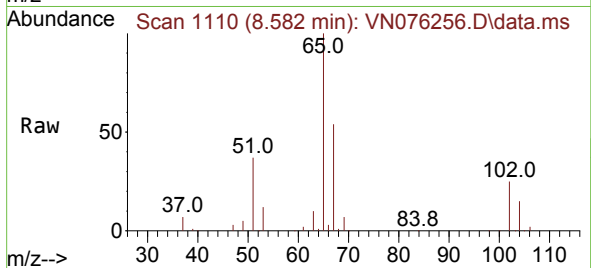
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Tgt Ion: 65 Resp: 193876

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076256.D

Acq: 13 Jan 2023 18:15

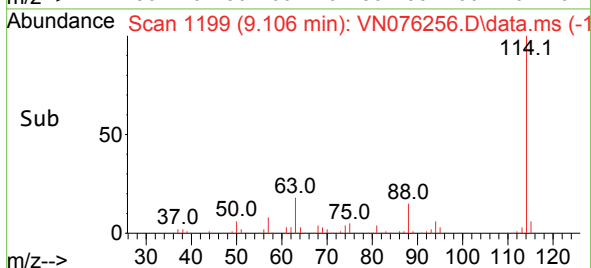
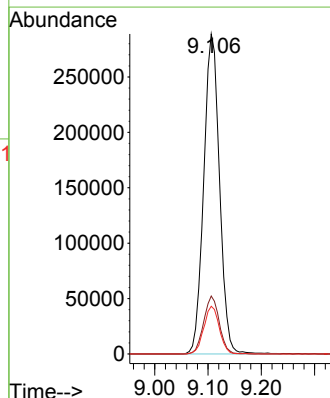
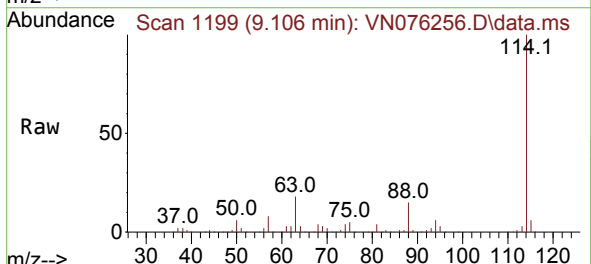
Tgt Ion: 114 Resp: 594611

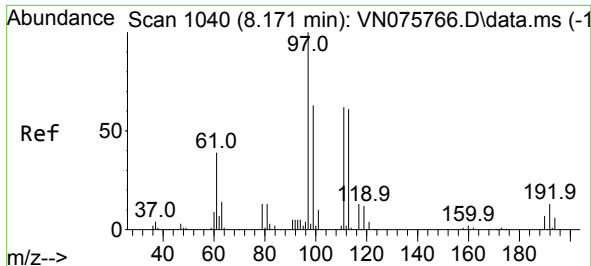
Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.4

88 14.9 0.0 28.8

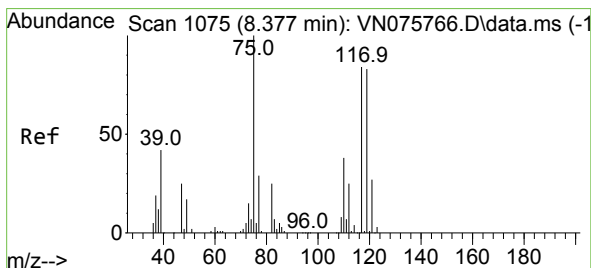
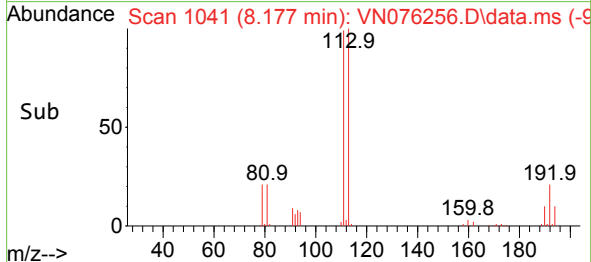
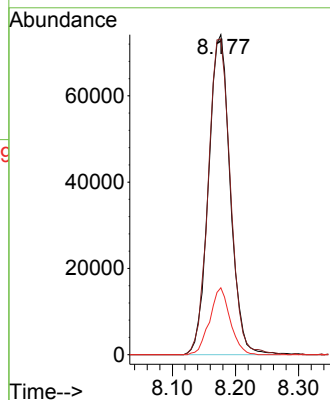
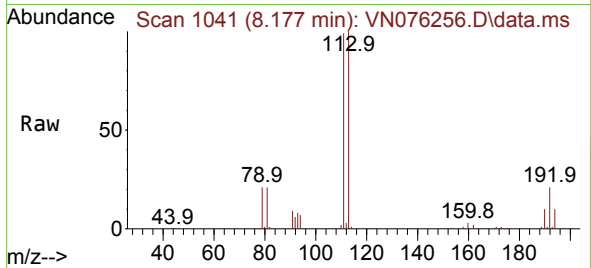




#35
Dibromofluoromethane
Concen: 48.002 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076256.D
Acq: 13 Jan 2023 18:15

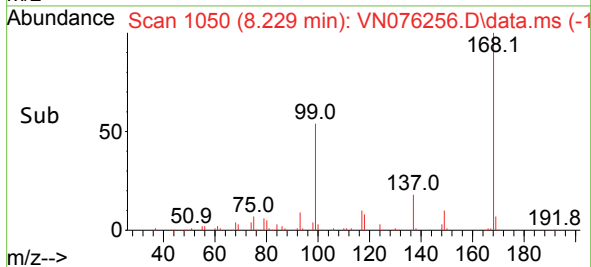
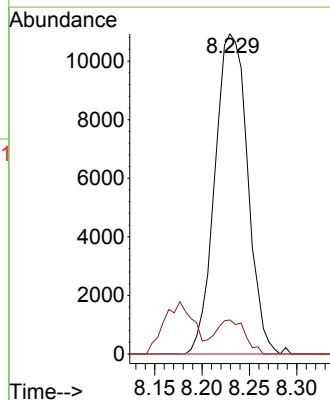
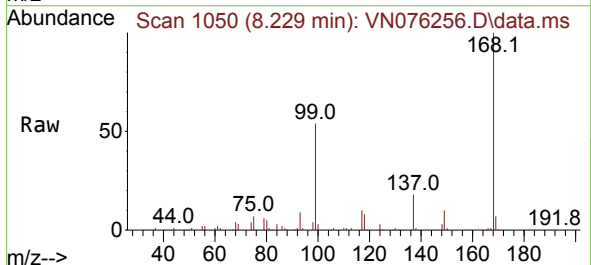
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ClientSampleId :
TB-2023-1-13

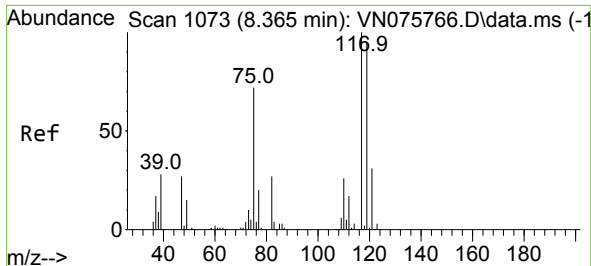
Tgt Ion:113 Resp: 176759
Ion Ratio Lower Upper
113 100
111 100.9 83.4 125.2
192 19.7 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.372 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076256.D
Acq: 13 Jan 2023 18:15

Tgt Ion: 75 Resp: 26277
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 24.1 36.1#

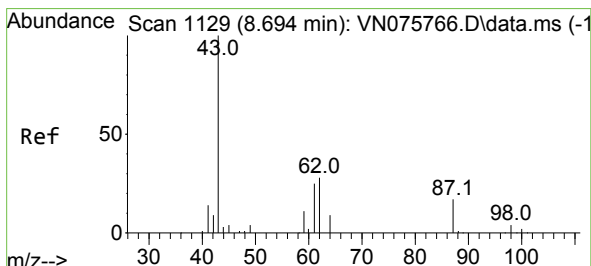
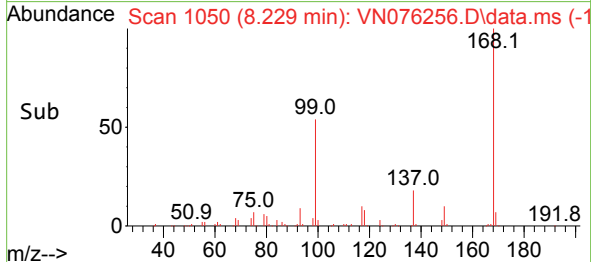
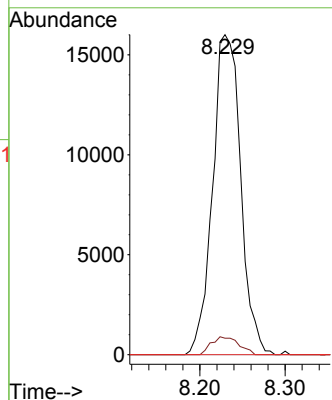
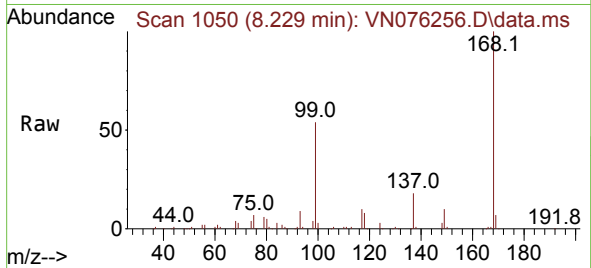




#38
Carbon Tetrachloride
Concen: 6.682 ug/l
RT: 8.229 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN076256.D
Acq: 13 Jan 2023 18:15

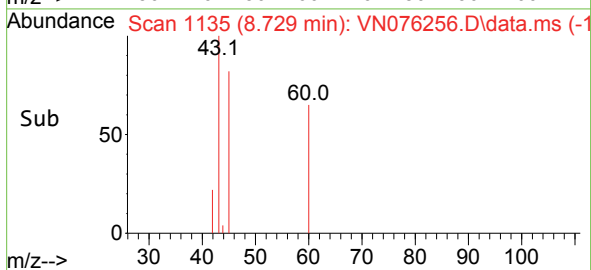
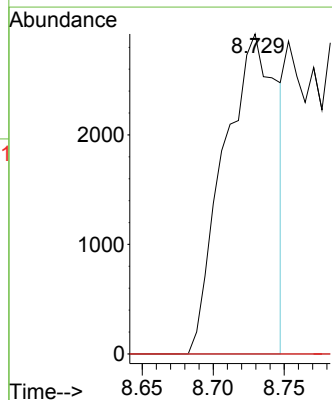
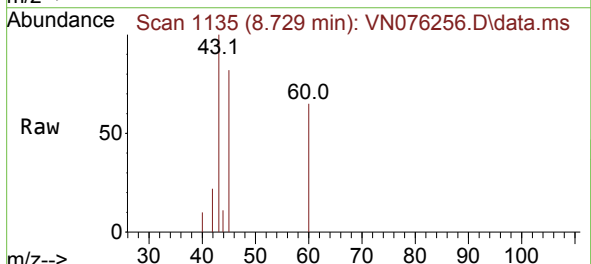
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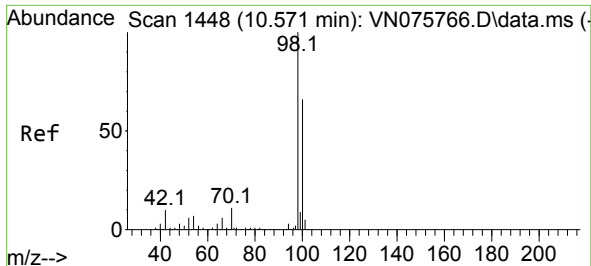
Tgt Ion:117 Resp: 36581
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 1.174 ug/l
RT: 8.729 min Scan# 1135
Delta R.T. 0.035 min
Lab File: VN076256.D
Acq: 13 Jan 2023 18:15

Tgt Ion: 43 Resp: 7606
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#

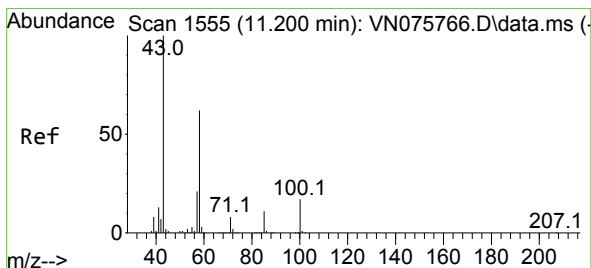
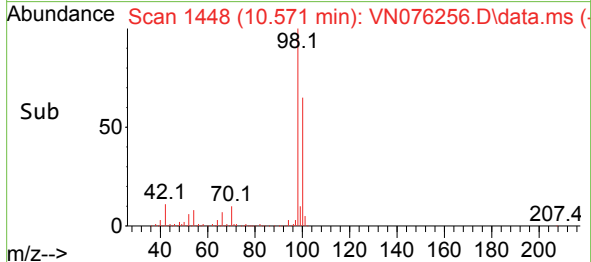
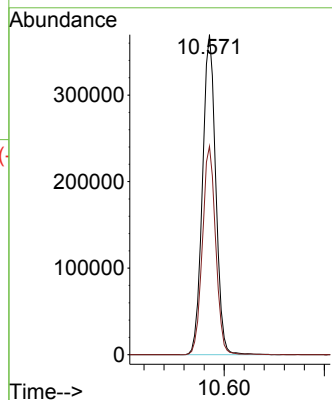
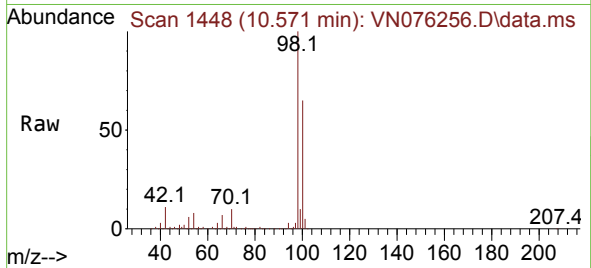




#50
Toluene-d8
Concen: 49.168 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076256.D
Acq: 13 Jan 2023 18:15

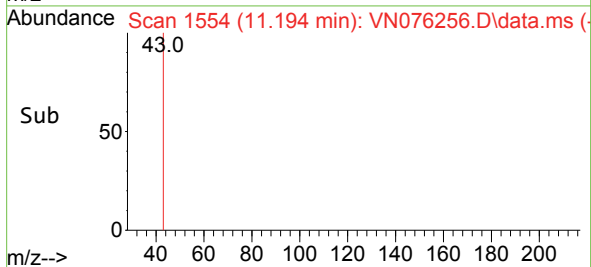
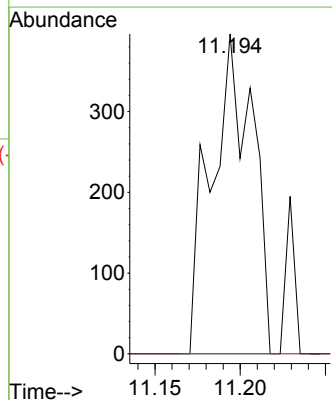
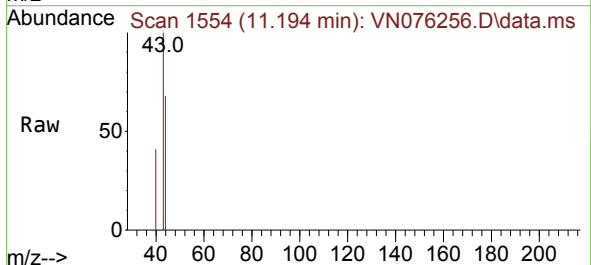
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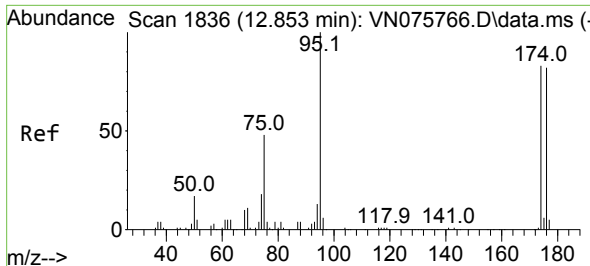
Tgt Ion: 98 Resp: 676932
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#59
2-Hexanone
Concen: 0.235 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VN076256.D
Acq: 13 Jan 2023 18:15

Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#

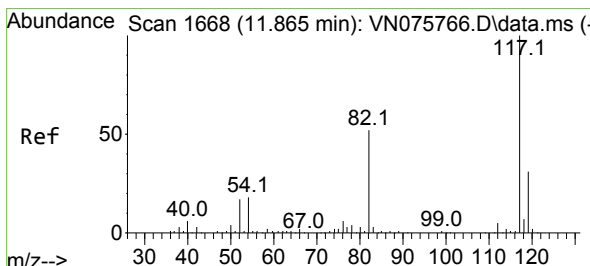
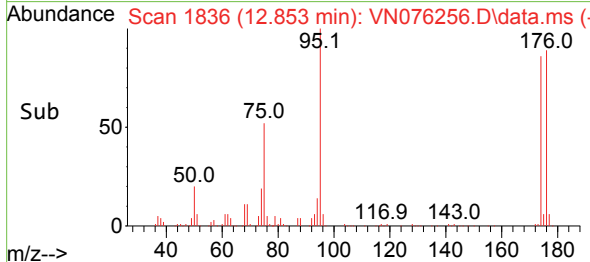
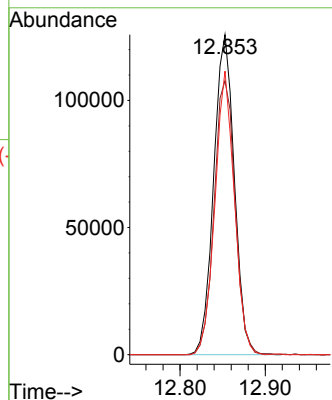
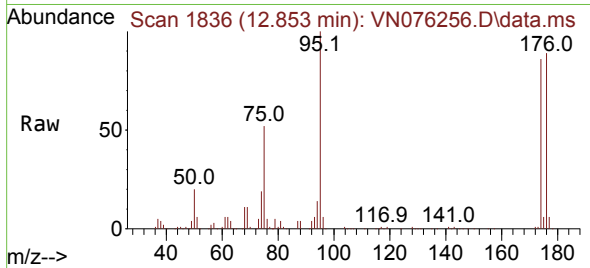




#62
4-Bromofluorobenzene
Concen: 46.359 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076256.D
Acq: 13 Jan 2023 18:15

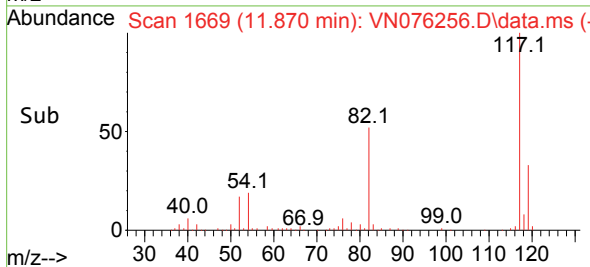
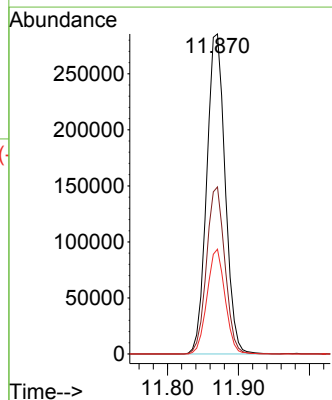
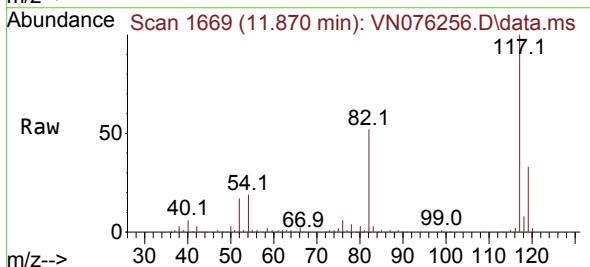
Instrument :
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TB-2023-1-13

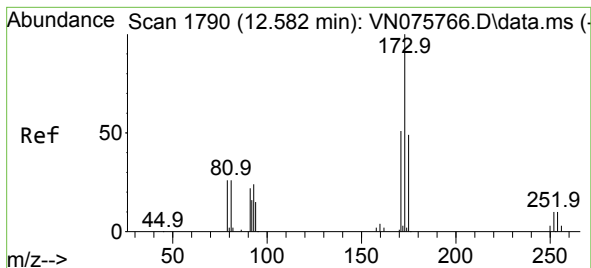
Tgt Ion: 95 Resp: 211401
Ion Ratio Lower Upper
95 100
174 87.0 0.0 171.6
176 83.6 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076256.D
Acq: 13 Jan 2023 18:15

Tgt Ion: 117 Resp: 516223
Ion Ratio Lower Upper
117 100
82 52.2 41.3 61.9
119 32.8 24.6 37.0





#71

Bromoform

Concen: 0.557 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN076256.D

Acq: 13 Jan 2023 18:15

Instrument :

MSVOA_N

ClientSampleId :

TB-2023-1-13

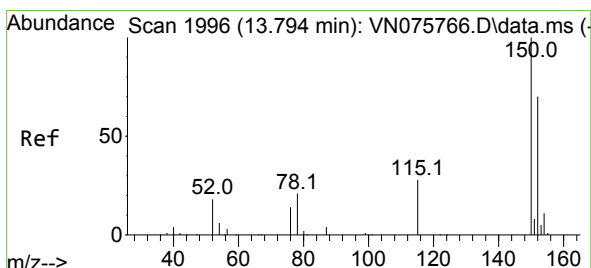
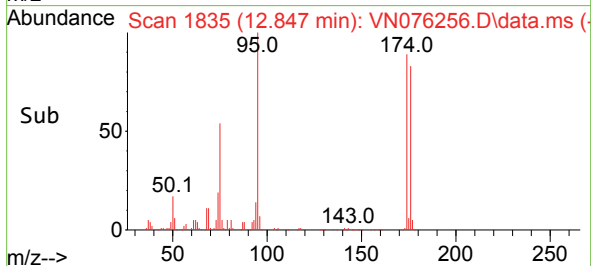
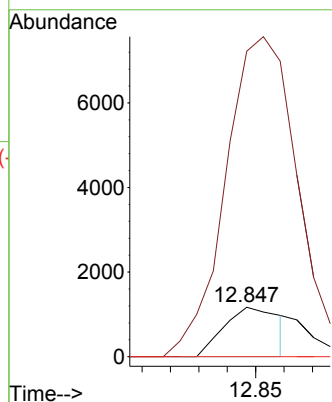
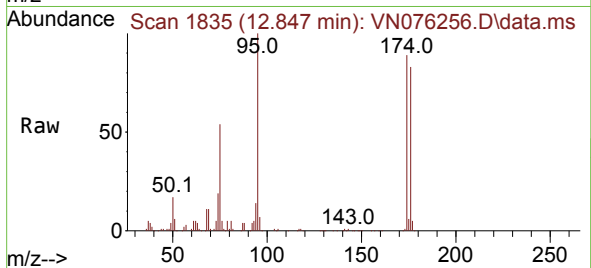
Tgt Ion:173 Resp: 1590

Ion Ratio Lower Upper

173 100

175 671.6 24.3 72.8#

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: VN076256.D

Acq: 13 Jan 2023 18:15

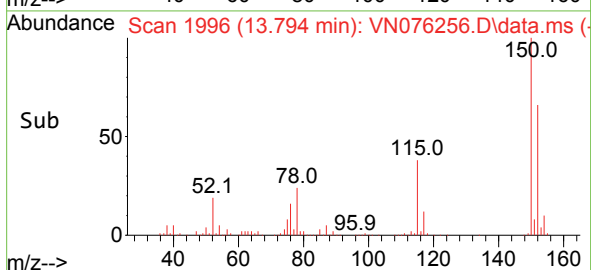
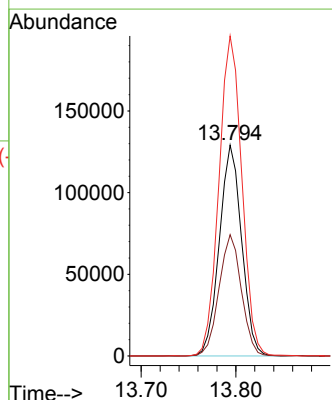
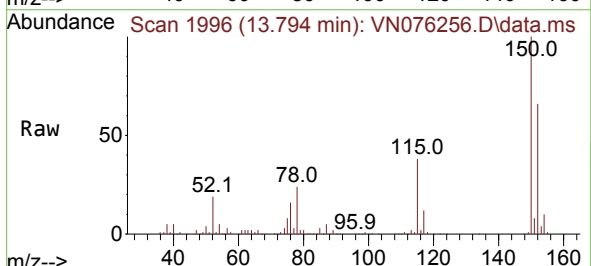
Tgt Ion:152 Resp: 211011

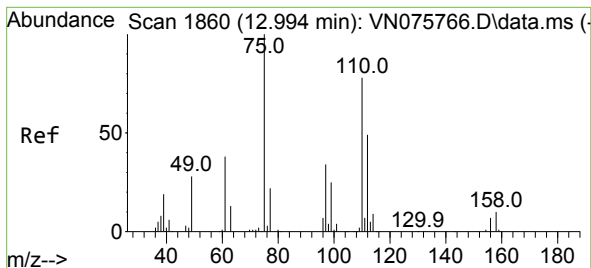
Ion Ratio Lower Upper

152 100

115 57.8 29.1 87.4

150 156.2 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 25.782 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076256.D

Acq: 13 Jan 2023 18:15

Instrument :

MSVOA_N

ClientSampleId :

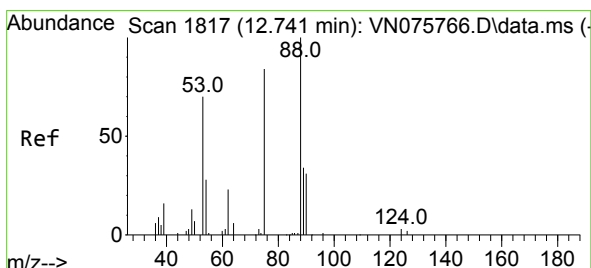
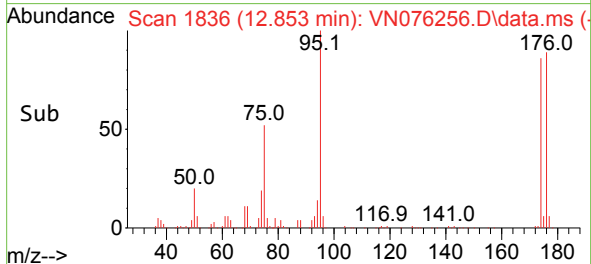
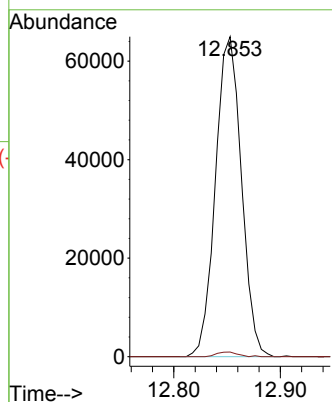
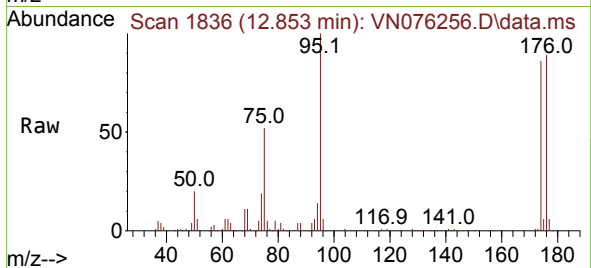
TB-2023-1-13

Tgt Ion: 75 Resp: 109665

Ion Ratio Lower Upper

75 100

77 1.2 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.804 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN076256.D

Acq: 13 Jan 2023 18:15

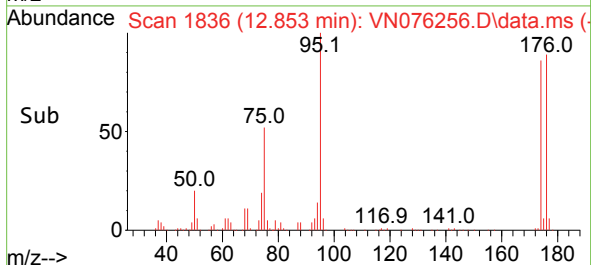
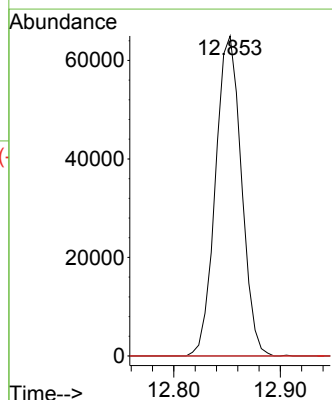
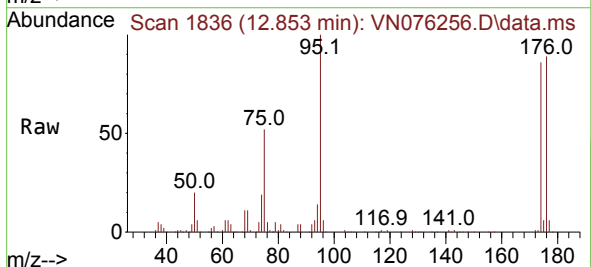
Tgt Ion: 75 Resp: 109665

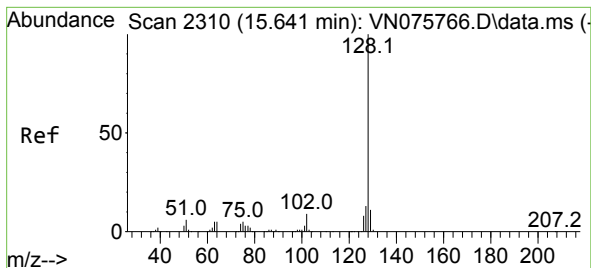
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 2.422 ug/l

RT: 15.635 min Scan# 2309

Delta R.T. -0.006 min

Lab File: VN076256.D

Acq: 13 Jan 2023 18:15

Instrument :

MSVOA_N

ClientSampleId :

TB-2023-1-13

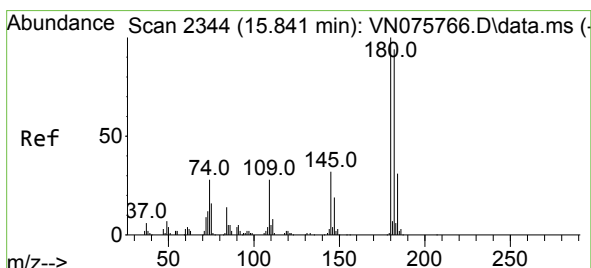
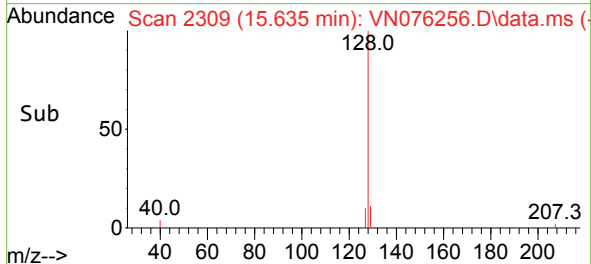
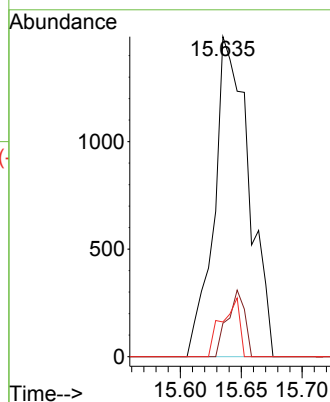
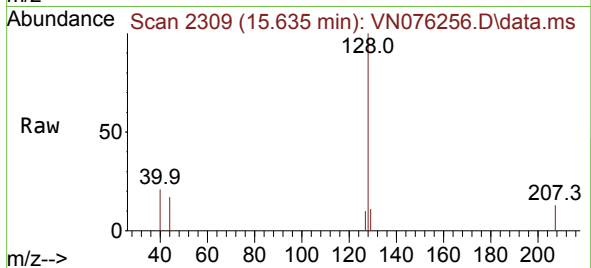
Tgt Ion:128 Resp: 2938

Ion Ratio Lower Upper

128 100

127 10.4 10.4 15.6#

129 9.6 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.224 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN076256.D

Acq: 13 Jan 2023 18:15

Tgt Ion:180 Resp: 727

Ion Ratio Lower Upper

180 100

182 24.5 47.0 141.0#

145 0.0 16.0 47.9#

