

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078423.D
 Acq On : 27 Jun 2023 17:53
 Operator : JC\MD
 Sample : 03376-03RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1RE

Quant Time: Jun 28 07:13:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

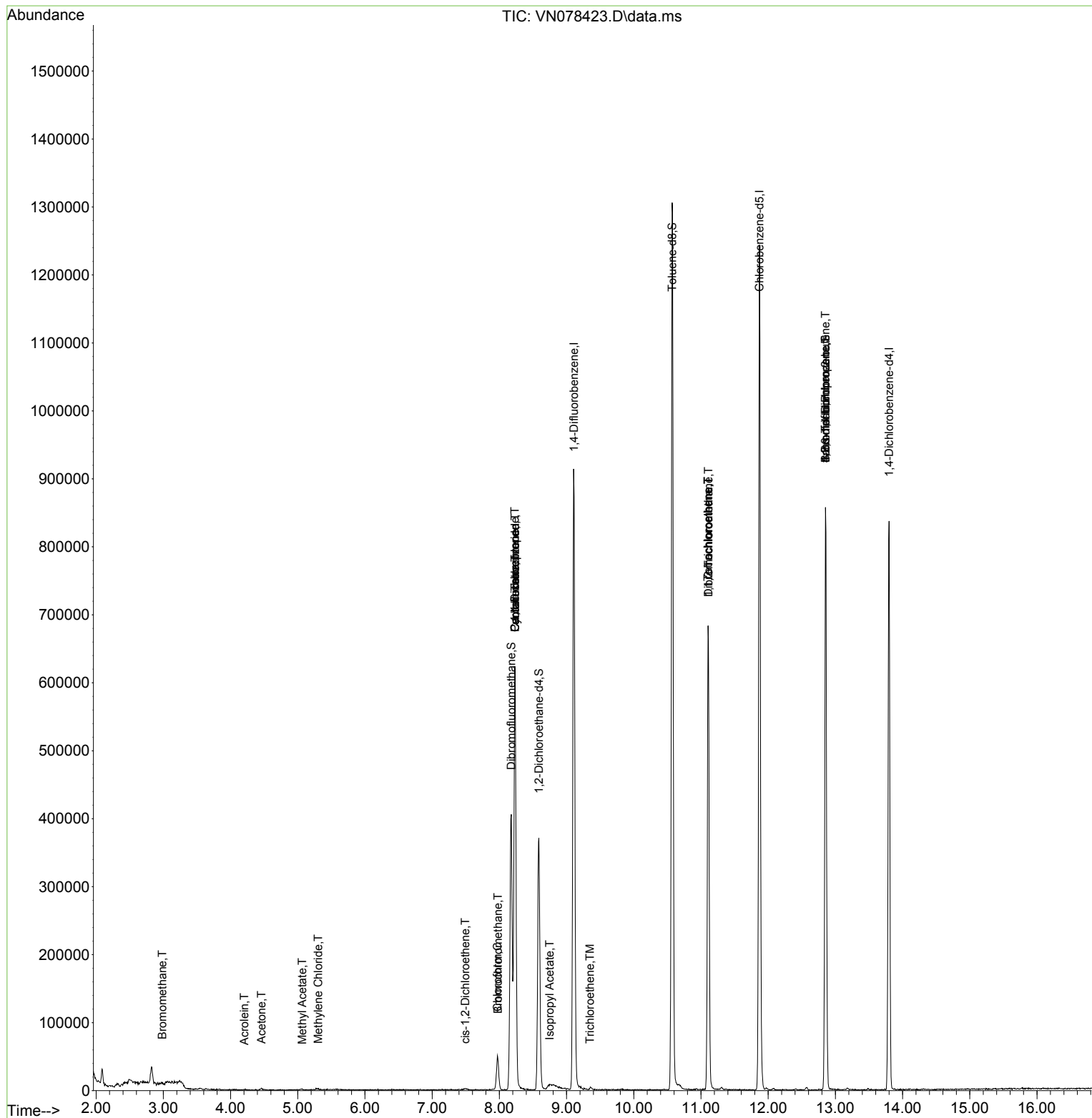
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	439532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	817114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	734615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	233822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	307575	52.484	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.960%
35) Dibromofluoromethane	8.177	113	290515	56.230	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	112.460%
50) Toluene-d8	10.571	98	953855	47.891	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.780%
62) 4-Bromofluorobenzene	12.853	95	306326	49.473	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1445	Below Cal	#	86
5) Bromomethane	2.983	94	1926	0.392	ug/l #	26
13) Acrolein	4.206	56	224	0.251	ug/l #	58
16) Acetone	4.459	43	2895	1.716	ug/l #	72
18) Methyl Acetate	5.065	43	1627	0.210	ug/l #	42
20) Methylene Chloride	5.306	84	1822	0.327	ug/l #	47
27) cis-1,2-Dichloroethene	7.494	96	1310	0.212	ug/l	89
28) Bromochloromethane	7.977	49	3627	0.869	ug/l #	5
30) Chloroform	7.971	83	45522	4.650	ug/l	90
31) Cyclohexane	8.235	56	9524	1.267	ug/l #	15
36) 1,1-Dichloropropene	8.230	75	37744	5.093	ug/l #	49
38) Carbon Tetrachloride	8.235	117	47920	6.124	ug/l #	16
43) Isopropyl Acetate	8.747	43	8127	0.734	ug/l #	49
44) Trichloroethene	9.347	130	1394	0.239	ug/l	83
55) 1,1,2-Trichloroethane	11.112	97	1504	0.285	ug/l #	20
60) Dibromochloromethane	11.112	129	151398	26.183	ug/l #	11
64) Tetrachloroethene	11.106	164	150911	30.793	ug/l	98
71) Bromoform	12.853	173	1492	0.400	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.865	83	388	Below Cal	#	2
76) 1,2,3-Trichloropropane	12.853	75	160070	28.958	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	160070	88.968	ug/l #	15

(#) = 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# 1

Delta R.T. 0.000 min

Lab File: VN078423.D

Acq: 27 Jun 2023 17:53

Instrument :

MSVOA_N

ClientSampleId :

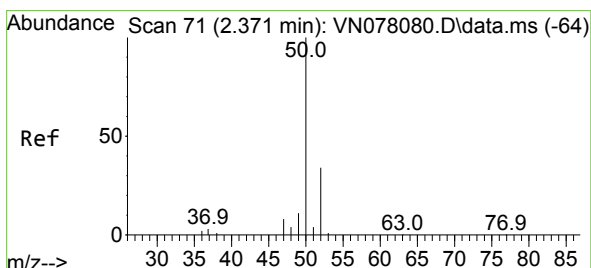
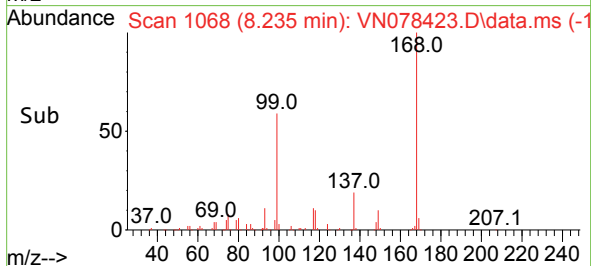
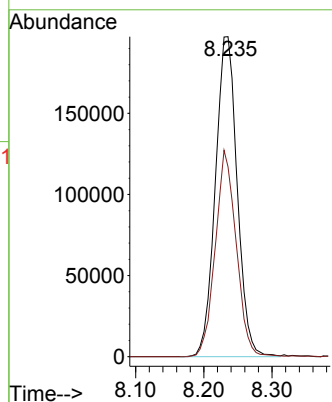
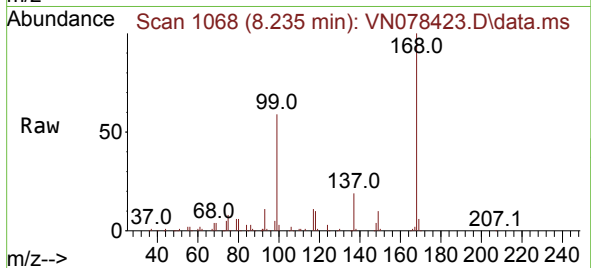
TW-1RE

Tgt Ion:168 Resp: 439532

Ion Ratio Lower Upper

168 100

99 59.3 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078423.D

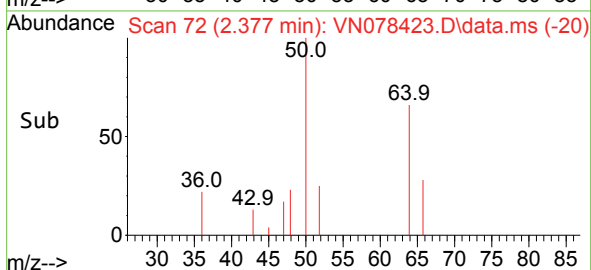
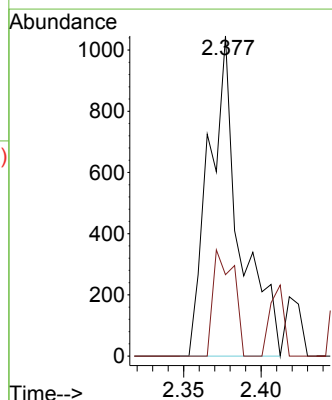
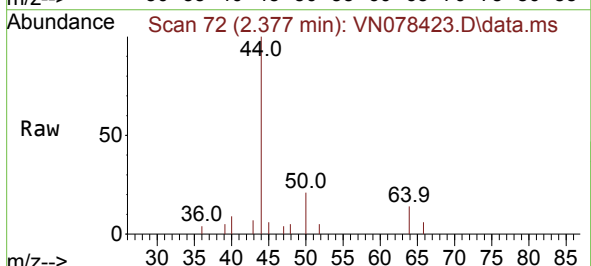
Acq: 27 Jun 2023 17:53

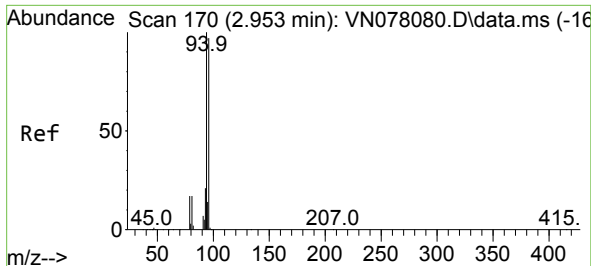
Tgt Ion: 50 Resp: 1445

Ion Ratio Lower Upper

50 100

52 25.4 26.5 39.7#

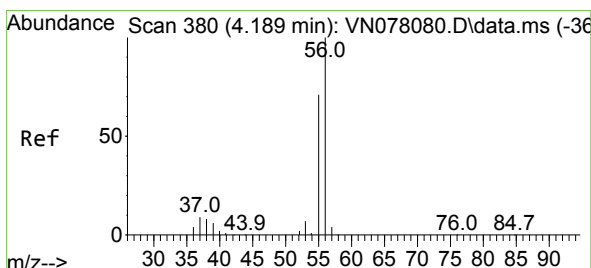
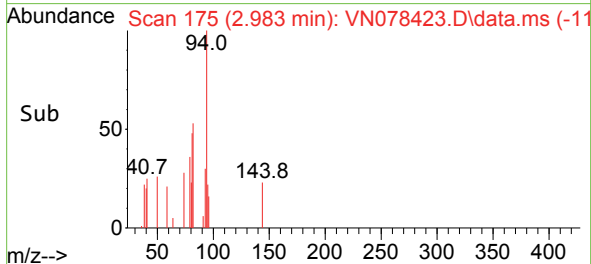
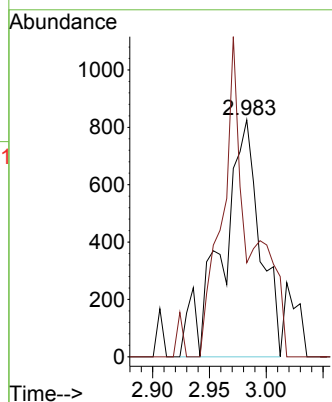
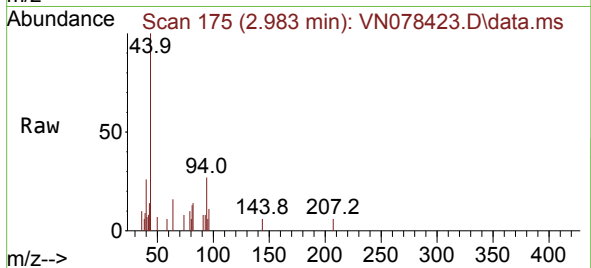




#5
Bromomethane
Concen: 0.392 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

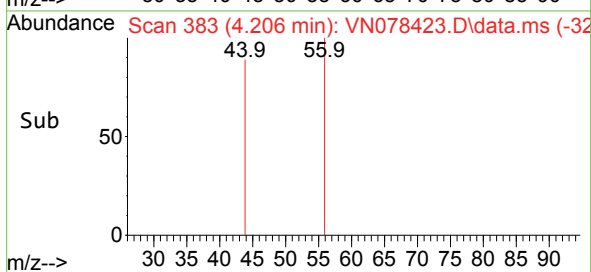
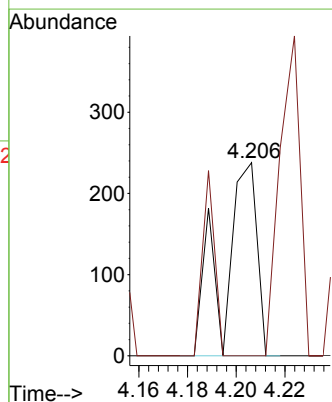
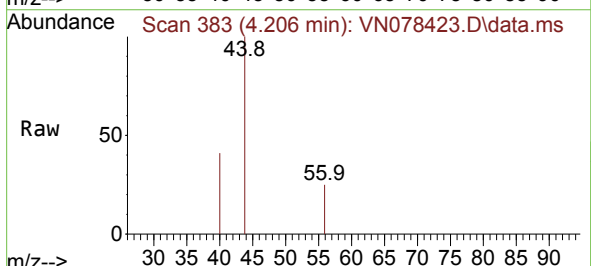
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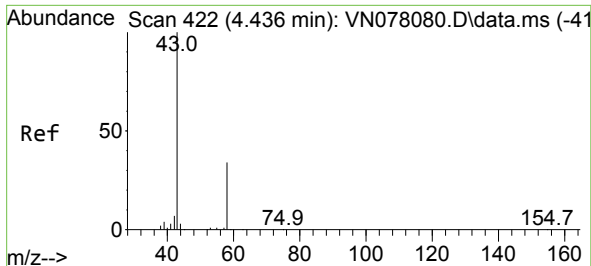
Tgt Ion: 94 Resp: 1926
Ion Ratio Lower Upper
94 100
96 20.9 73.1 109.7#



#13
Acrolein
Concen: 0.251 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.018 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 102.2 54.5 81.7#

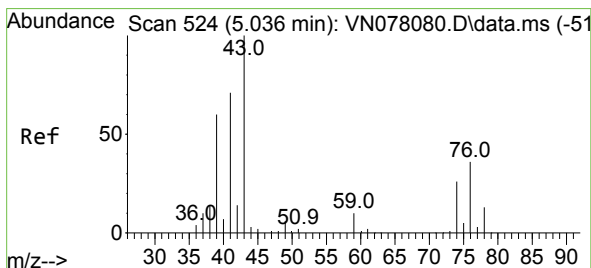
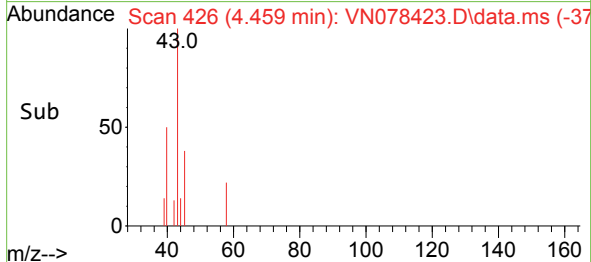
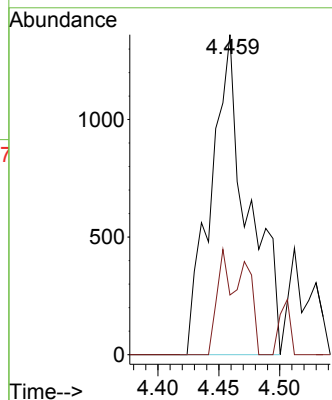
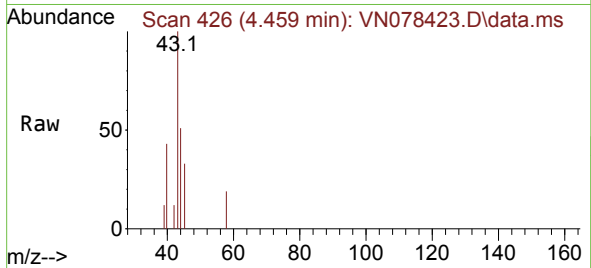




#16
Acetone
Concen: 1.716 ug/l
RT: 4.459 min Scan# 431
Delta R.T. 0.024 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

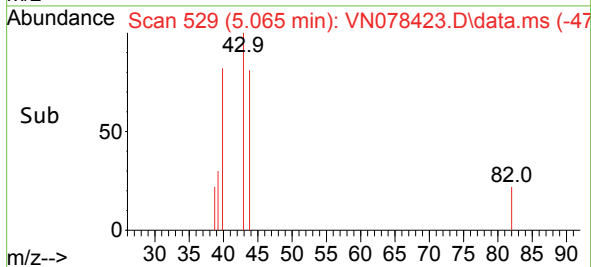
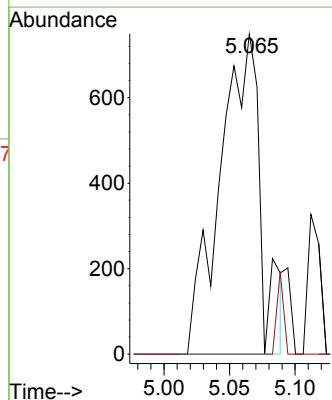
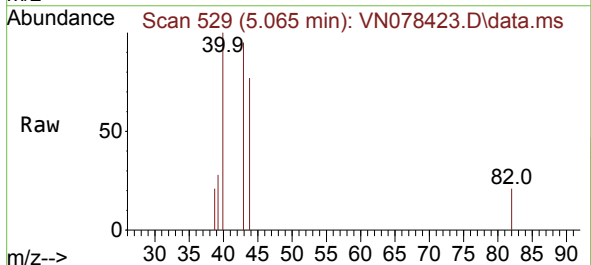
Instrument :
MSVOA_N
ClientSampleId :
TW-1RE

Tgt Ion: 43 Resp: 2895
Ion Ratio Lower Upper
43 100
58 18.7 28.0 42.0#



#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 5.065 min Scan# 529
Delta R.T. 0.029 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

Tgt Ion: 43 Resp: 1627
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#

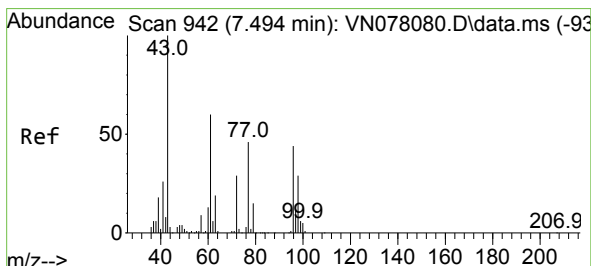
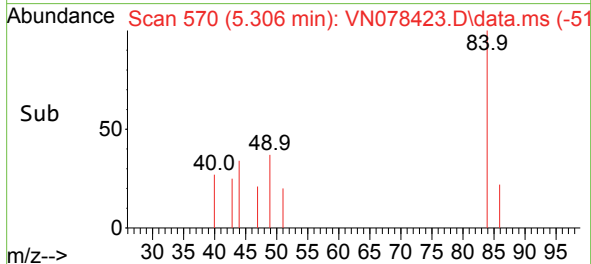
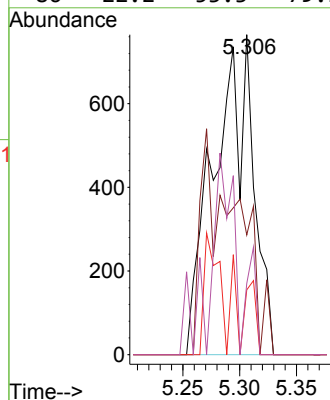
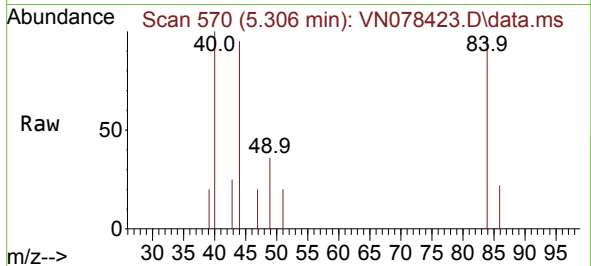




#20
Methylene Chloride
Concen: 0.327 ug/l
RT: 5.306 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

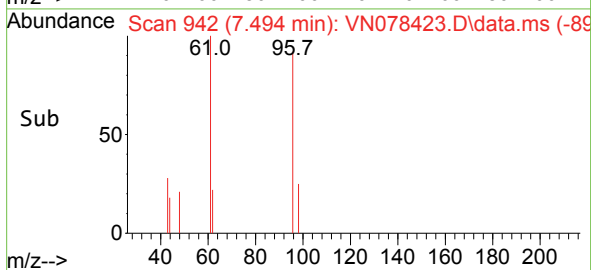
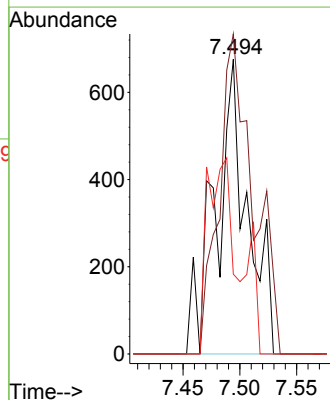
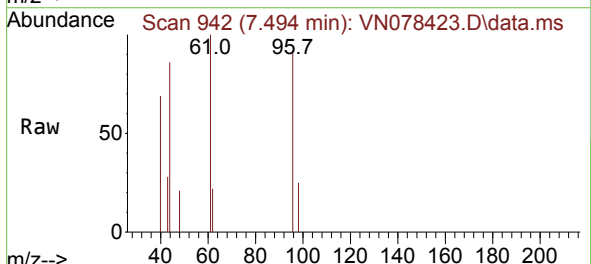
Instrument :
MSVOA_N
ClientSampleId :
TW-1RE

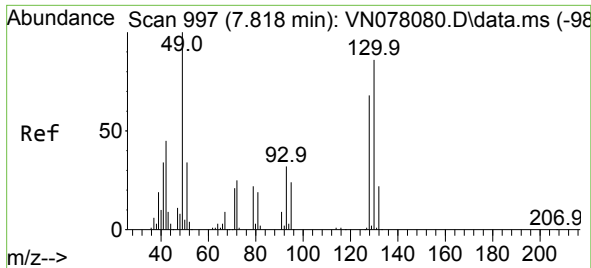
Tgt Ion:	84	Resp:	1822
Ion	Ratio	Lower	Upper
84	100		
49	37.4	79.7	119.5#
51	20.3	25.2	37.8#
86	22.2	53.3	79.9#



#27
cis-1,2-Dichloroethene
Concen: 0.212 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

Tgt Ion:	96	Resp:	1310
Ion	Ratio	Lower	Upper
96	100		
61	116.9	0.0	255.2
98	53.5	0.0	128.8

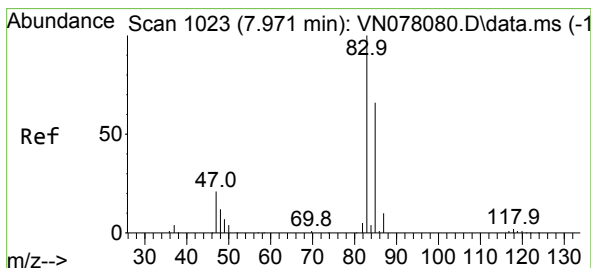
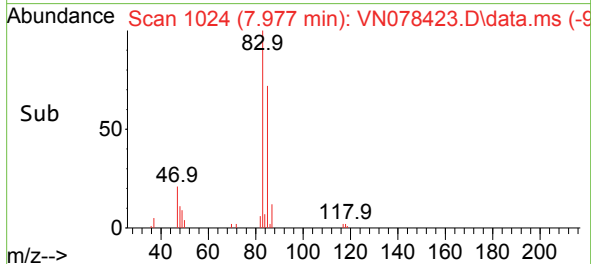
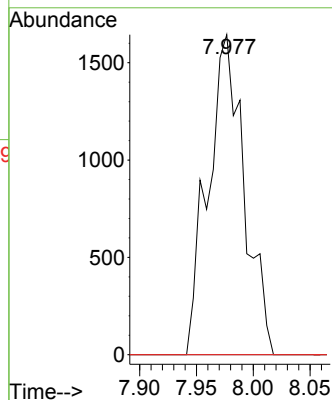
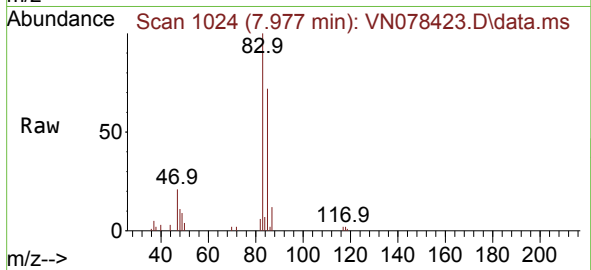




#28
Bromochloromethane
Concen: 0.869 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.159 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

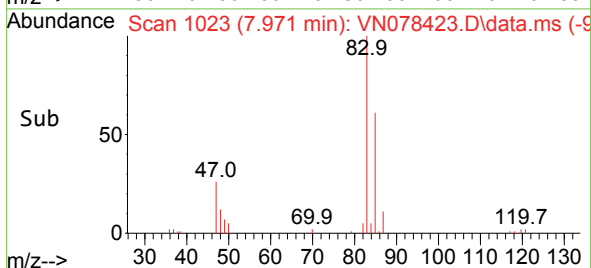
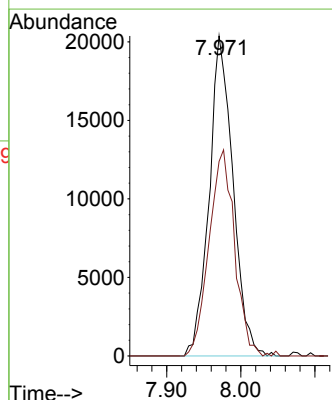
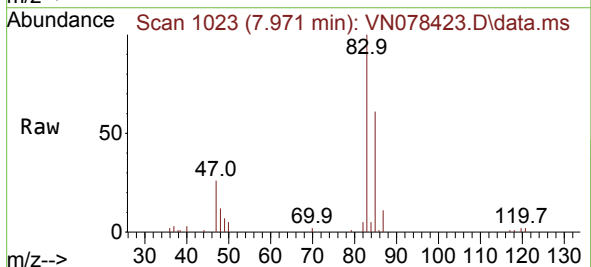
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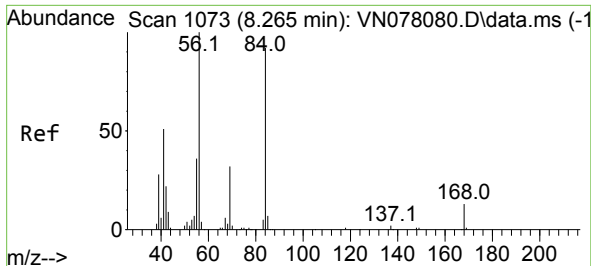
Tgt Ion: 49 Resp: 3627
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 75.3 112.9#



#30
Chloroform
Concen: 4.650 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

Tgt Ion: 83 Resp: 45522
Ion Ratio Lower Upper
83 100
85 60.8 55.4 83.0

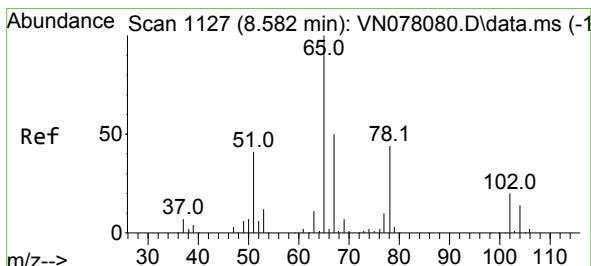
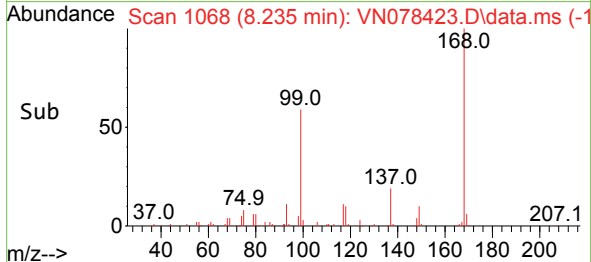
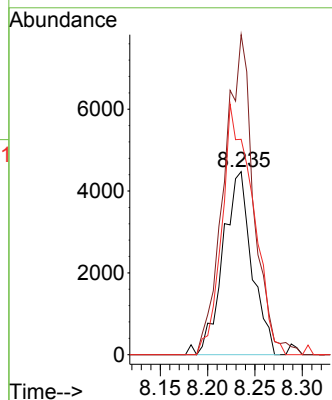
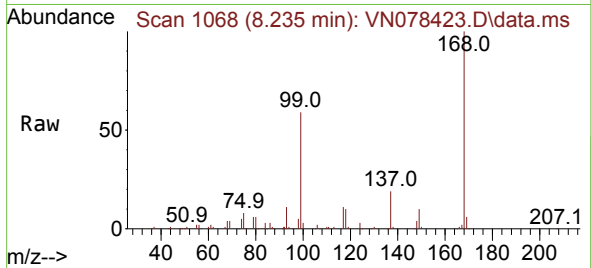




#31
Cyclohexane
Concen: 1.267 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

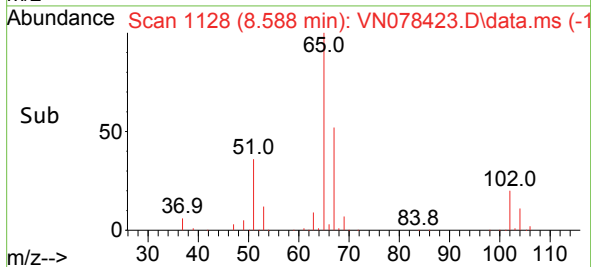
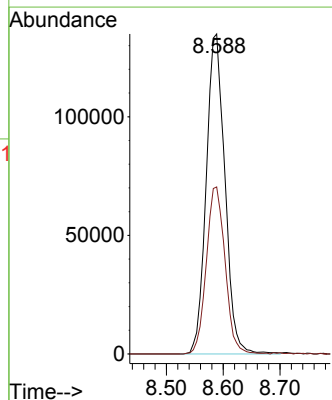
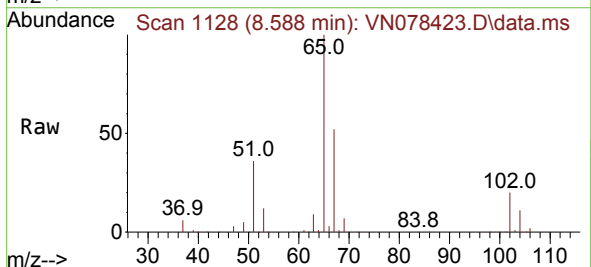
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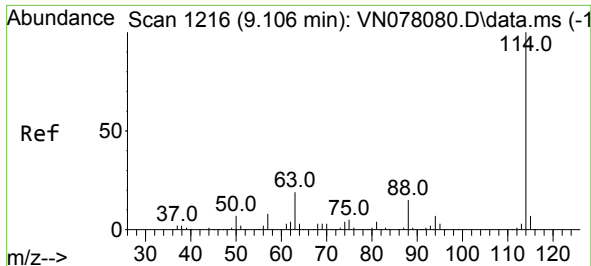
Tgt Ion: 56 Resp: 9524
Ion Ratio Lower Upper
56 100
69 174.8 26.8 40.2#
84 134.4 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 52.484 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

Tgt Ion: 65 Resp: 307575
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.6

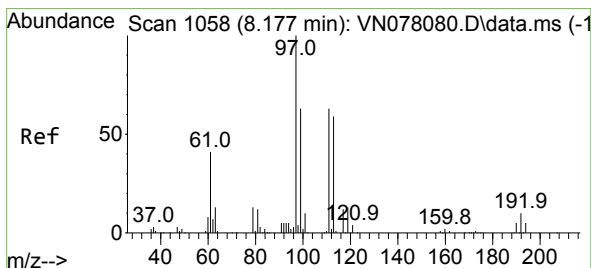
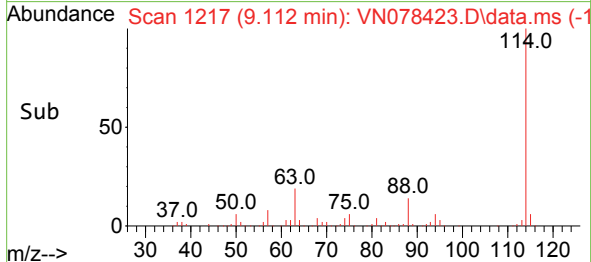
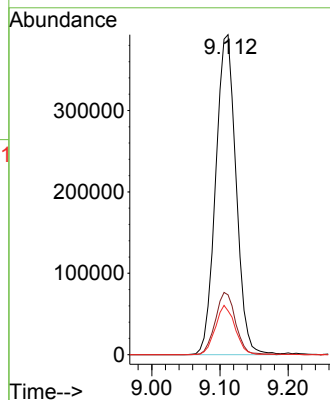
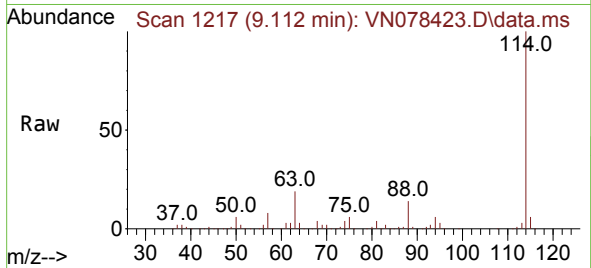




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

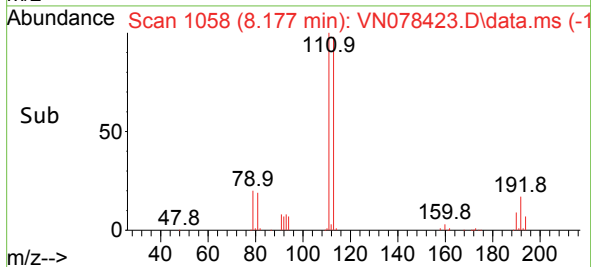
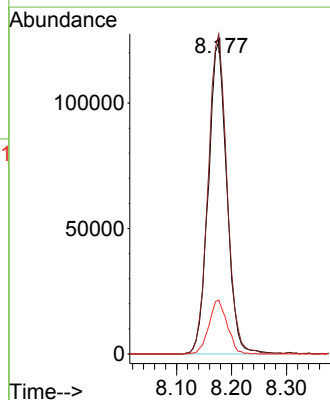
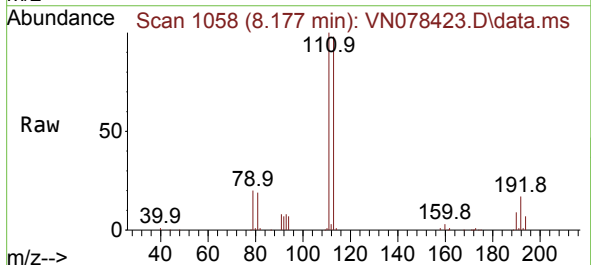
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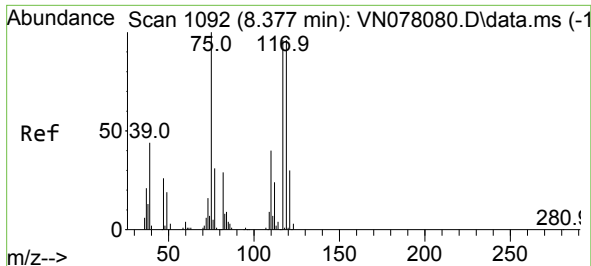
Tgt Ion:114 Resp: 817114
Ion Ratio Lower Upper
114 100
63 18.7 0.0 36.4
88 13.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.230 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

Tgt Ion:113 Resp: 290515
Ion Ratio Lower Upper
113 100
111 104.4 82.6 123.8
192 17.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.093 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078423.D

Acq: 27 Jun 2023 17:53

Instrument :

MSVOA_N

ClientSampleId :

TW-1RE

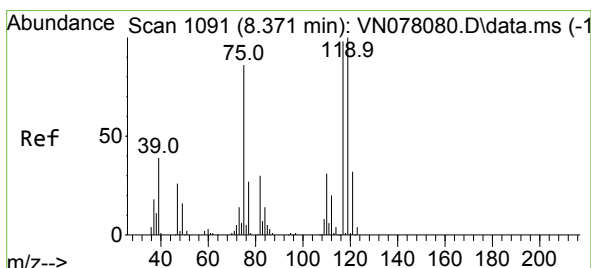
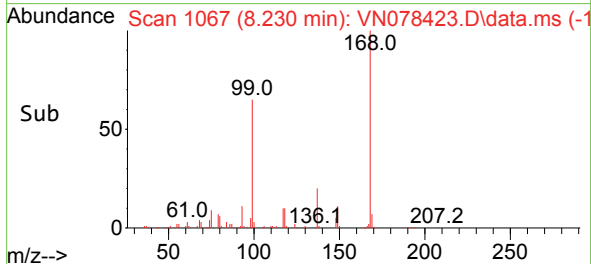
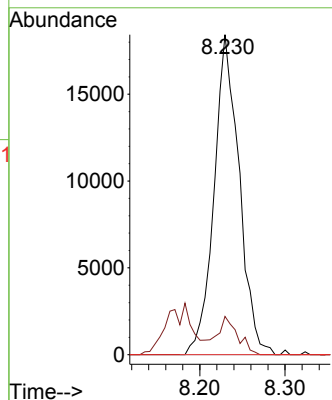
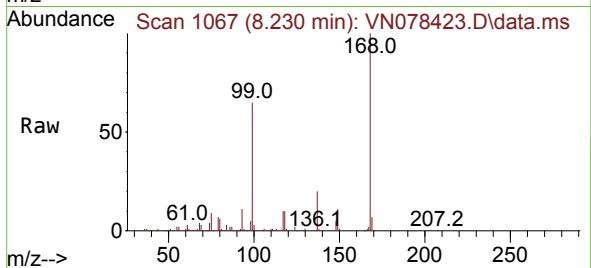
Tgt Ion: 75 Resp: 37744

Ion Ratio Lower Upper

75 100

110 10.0 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.124 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078423.D

Acq: 27 Jun 2023 17:53

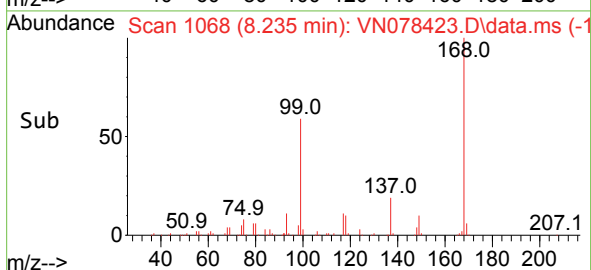
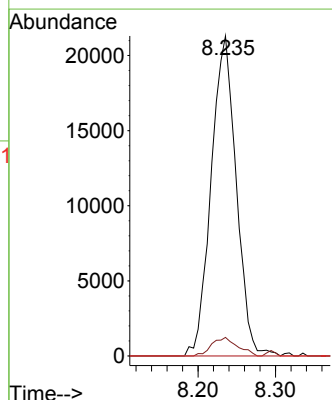
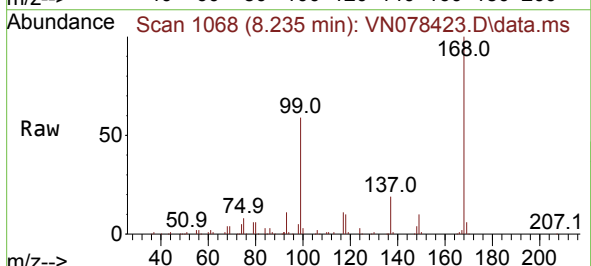
Tgt Ion: 117 Resp: 47920

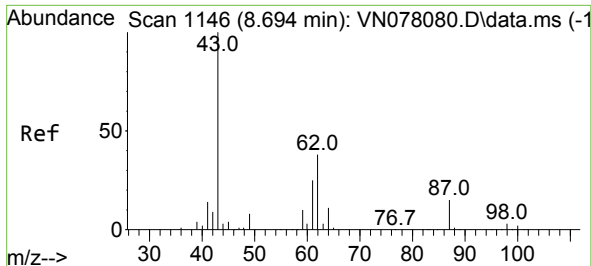
Ion Ratio Lower Upper

117 100

119 5.8 77.3 115.9#

121 0.0 23.3 34.9#

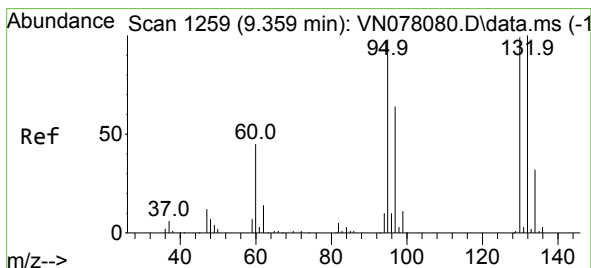
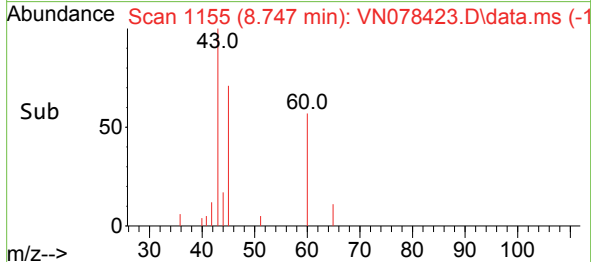
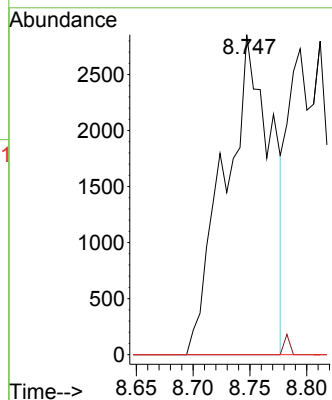
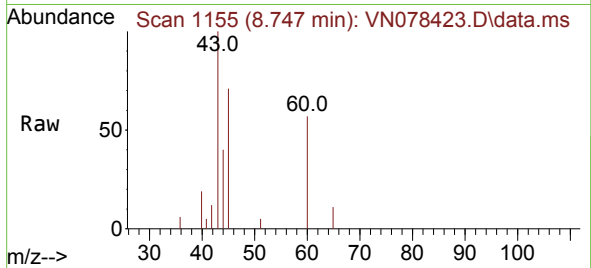




#43
Isopropyl Acetate
Concen: 0.734 ug/l
RT: 8.747 min Scan# 1155
Delta R.T. 0.053 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

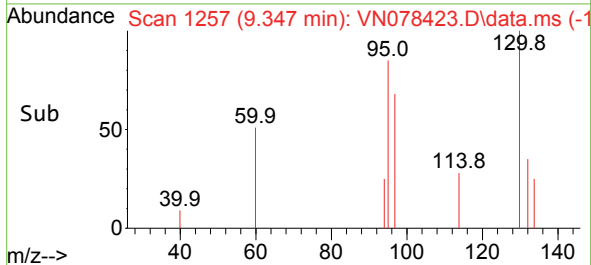
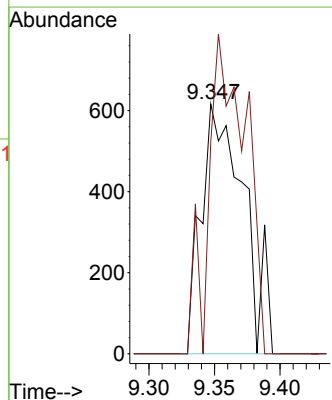
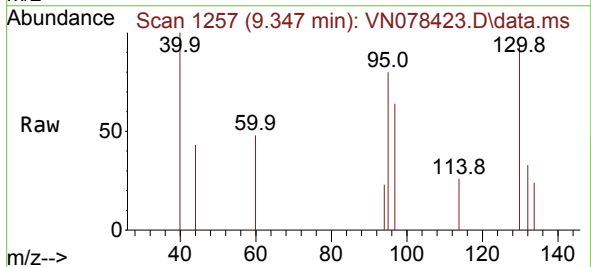
Instrument :
MSVOA_N
ClientSampleId :
TW-1RE

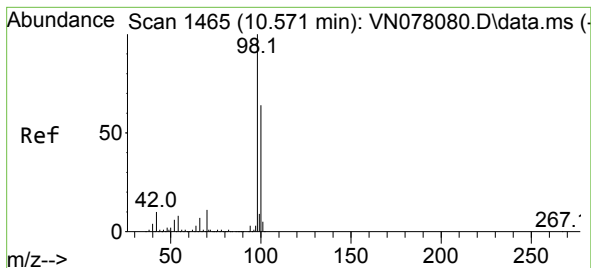
Tgt Ion: 43 Resp: 8127
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 0.239 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.012 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

Tgt Ion: 130 Resp: 1394
Ion Ratio Lower Upper
130 100
95 84.7 0.0 204.6

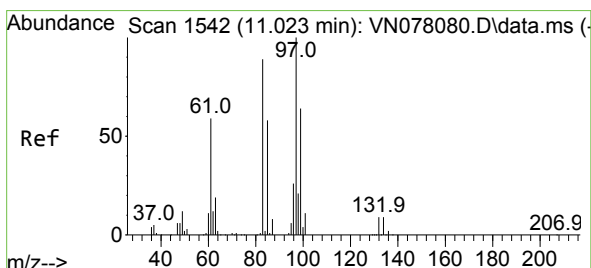
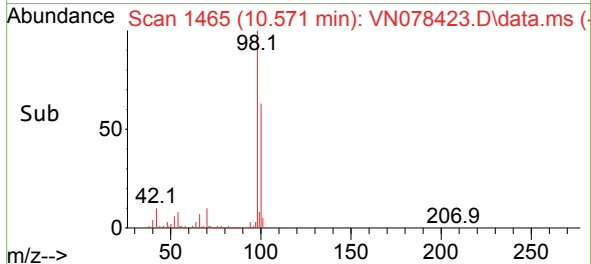
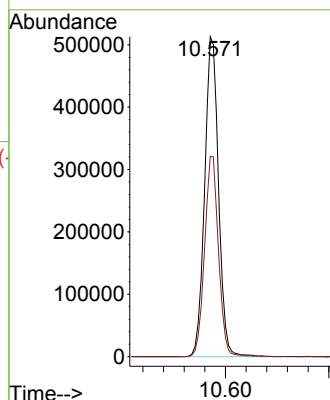
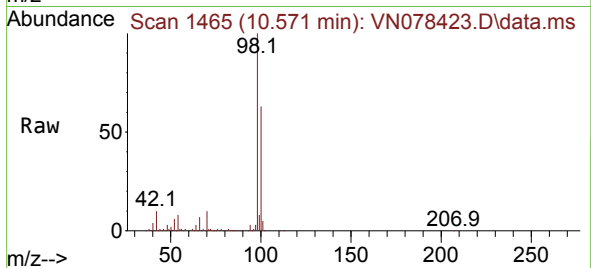




#50
Toluene-d8
Concen: 47.891 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

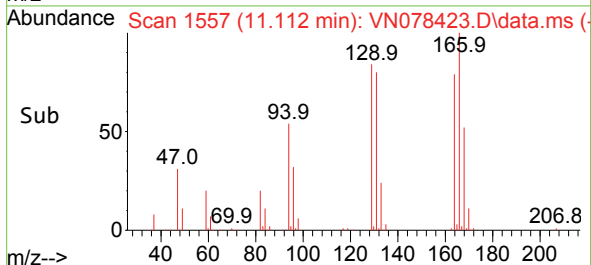
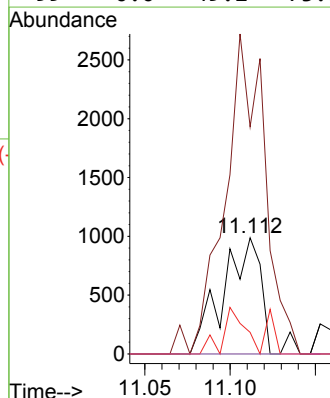
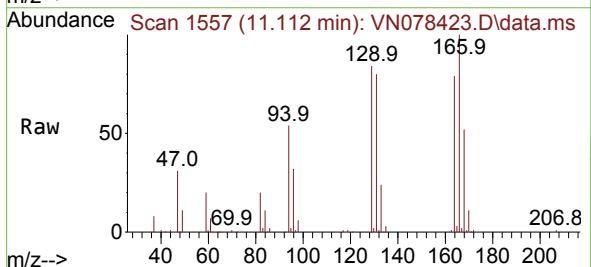
Instrument :
MSVOA_N
ClientSampleId :
TW-1RE

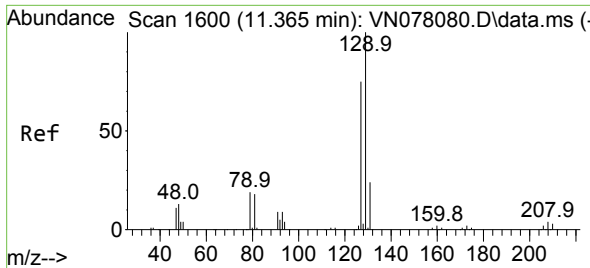
Tgt Ion: 98 Resp: 953855
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0



#55
1,1,2-Trichloroethane
Concen: 0.285 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.088 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

Tgt Ion: 97 Resp: 1504
Ion Ratio Lower Upper
97 100
83 171.0 65.1 97.7#
85 18.5 43.4 65.2#
99 0.0 49.2 73.8#

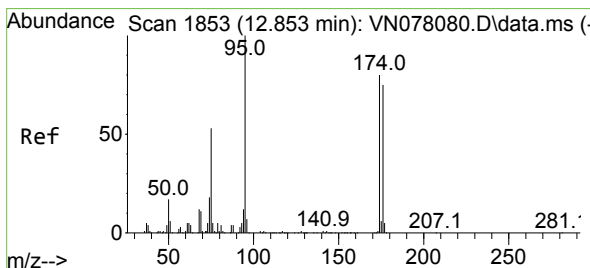
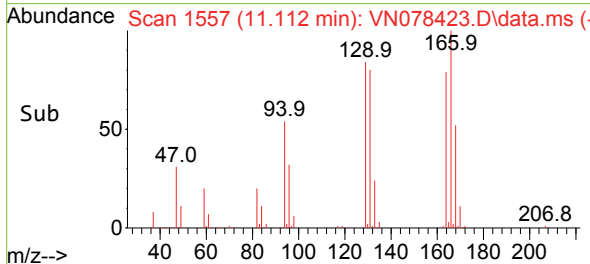
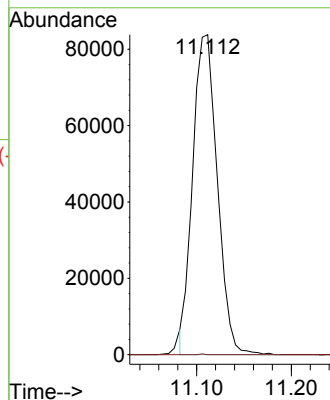
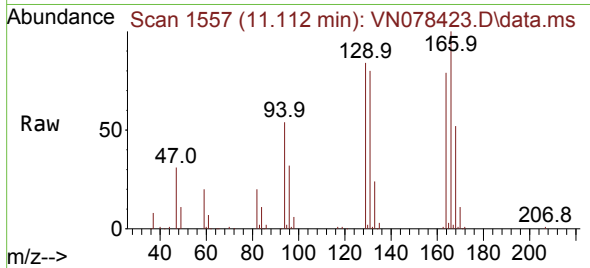




#60
Dibromochloromethane
Concen: 26.183 ug/l
RT: 11.112 min Scan# 1112
Delta R.T. -0.253 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

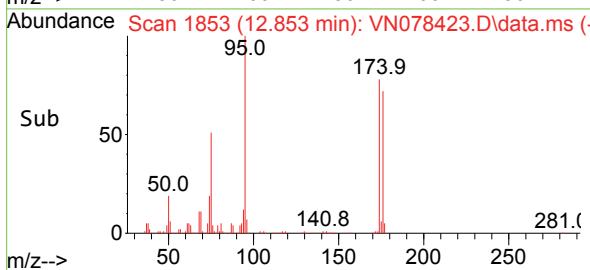
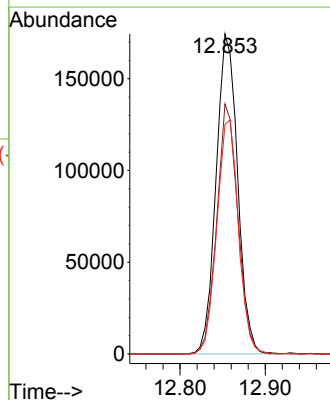
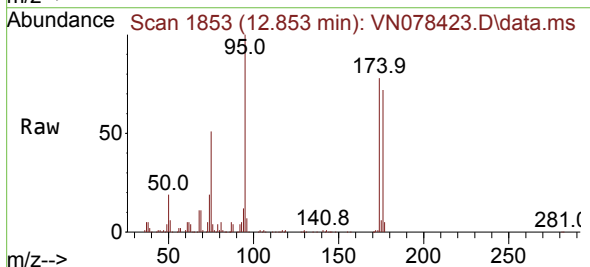
Instrument :
MSVOA_N
ClientSampleId :
TW-1RE

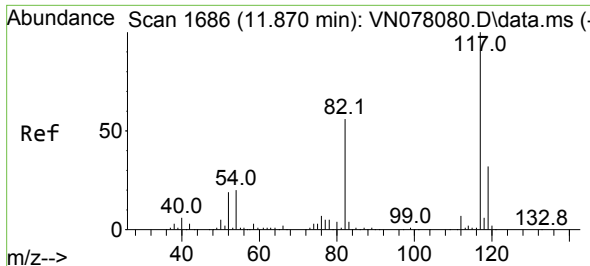
Tgt Ion:129 Resp: 151398
Ion Ratio Lower Upper
129 100
127 0.1 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 49.473 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

Tgt Ion: 95 Resp: 306326
Ion Ratio Lower Upper
95 100
174 76.7 0.0 143.8
176 73.3 0.0 135.8

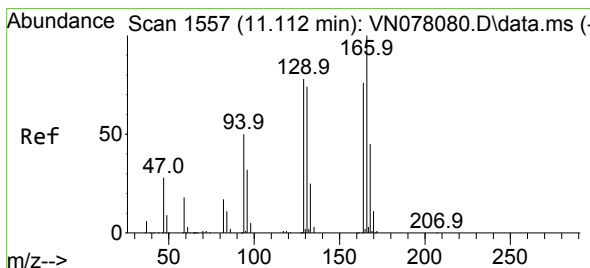
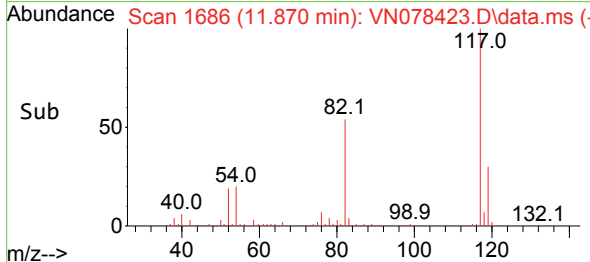
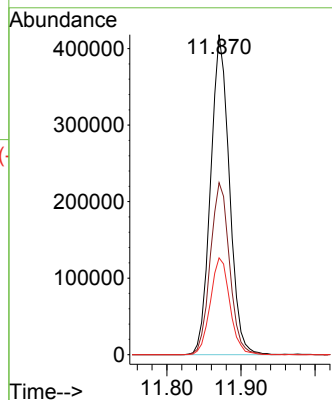
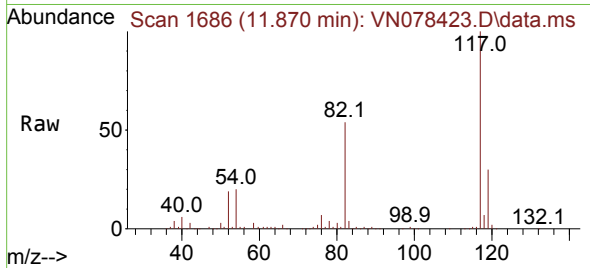




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

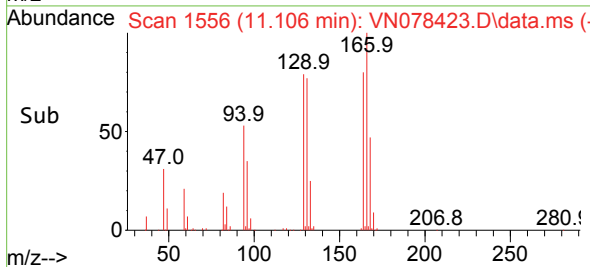
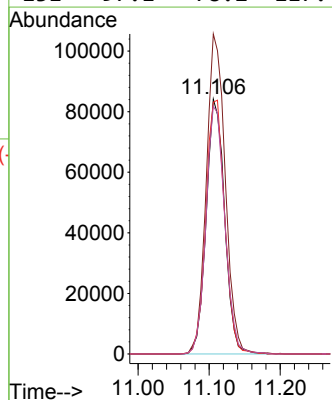
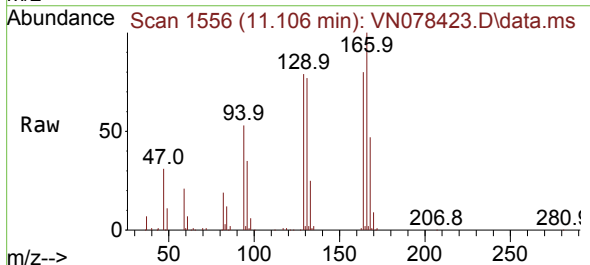
Instrument :
MSVOA_N
ClientSampleId :
TW-1RE

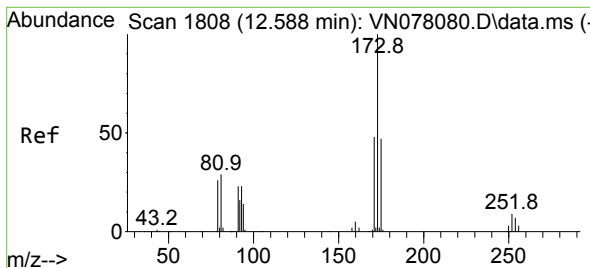
Tgt Ion:117 Resp: 734615
Ion Ratio Lower Upper
117 100
82 53.7 44.0 66.0
119 30.3 25.6 38.4



#64
Tetrachloroethene
Concen: 30.793 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.006 min
Lab File: VN078423.D
Acq: 27 Jun 2023 17:53

Tgt Ion:164 Resp: 150911
Ion Ratio Lower Upper
164 100
166 125.6 101.4 152.0
129 98.8 82.4 123.6
131 97.1 78.2 117.4





#71

Bromoform

Concen: 0.400 ug/l

RT: 12.853 min Scan# 1808

Delta R.T. 0.265 min

Lab File: VN078423.D

Acq: 27 Jun 2023 17:53

Instrument :

MSVOA_N

ClientSampleId :

TW-1RE

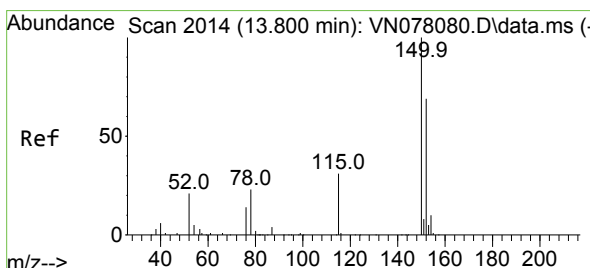
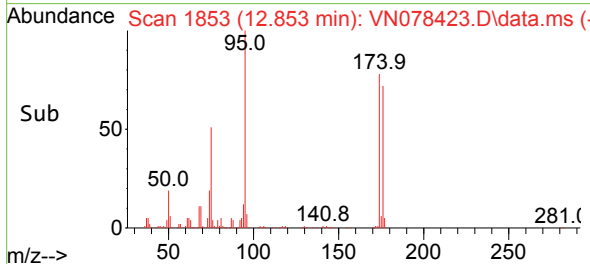
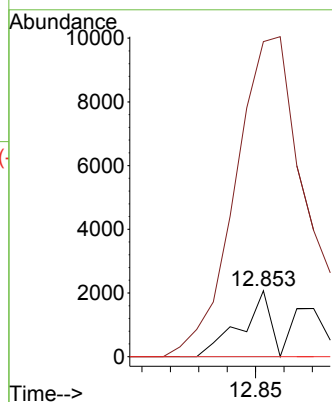
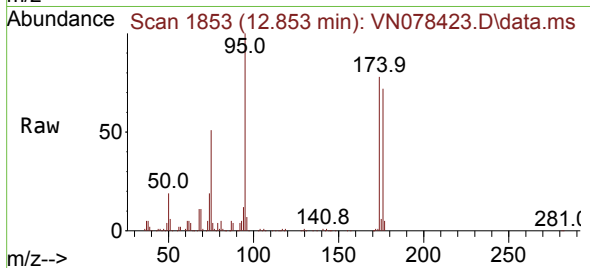
Tgt Ion:173 Resp: 1492

Ion Ratio Lower Upper

173 100

175 971.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078423.D

Acq: 27 Jun 2023 17:53

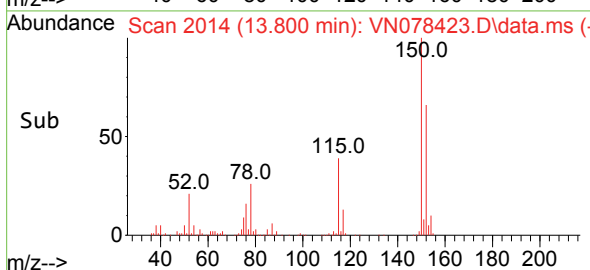
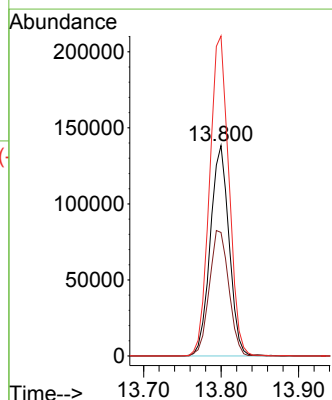
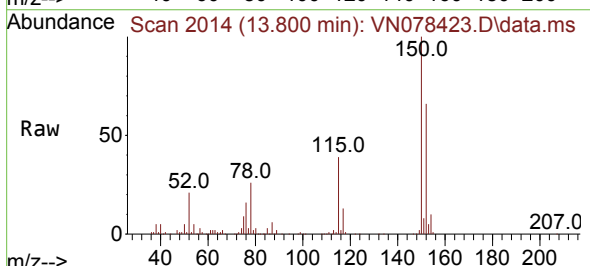
Tgt Ion:152 Resp: 233822

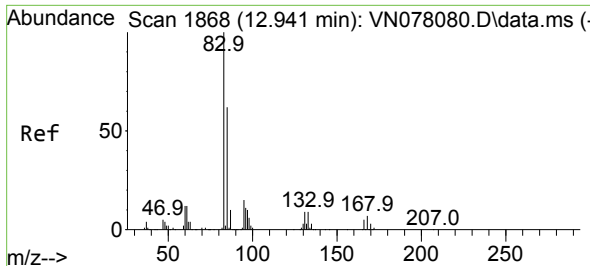
Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 156.0 0.0 355.8

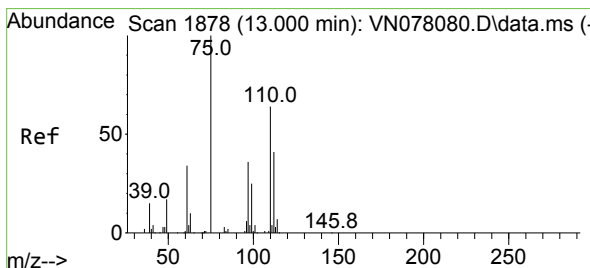
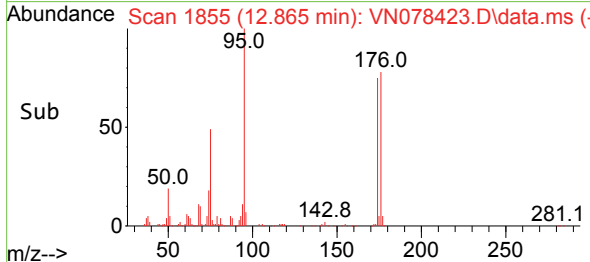
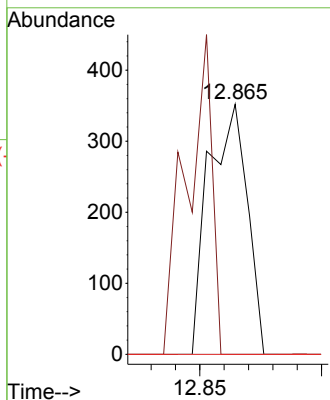
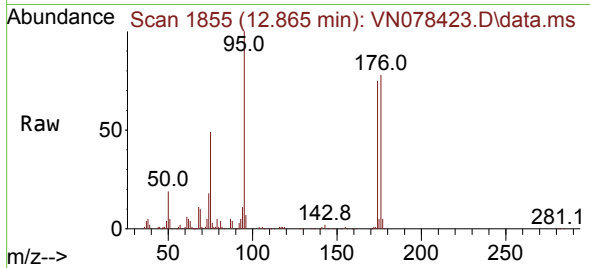




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.865 min Scan# 1855
 Delta R.T. -0.076 min
 Lab File: VN078423.D
 Acq: 27 Jun 2023 17:53

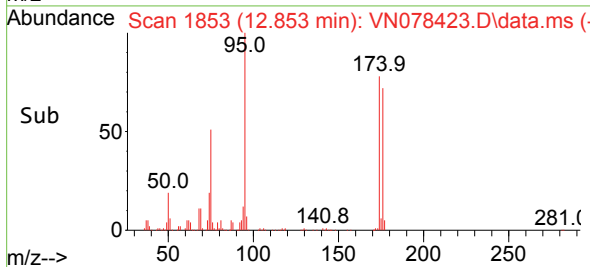
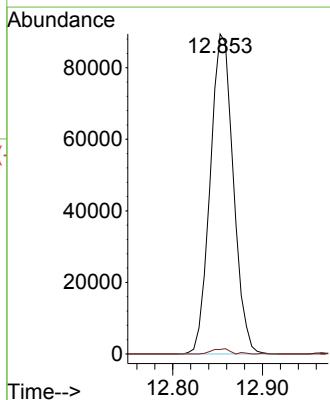
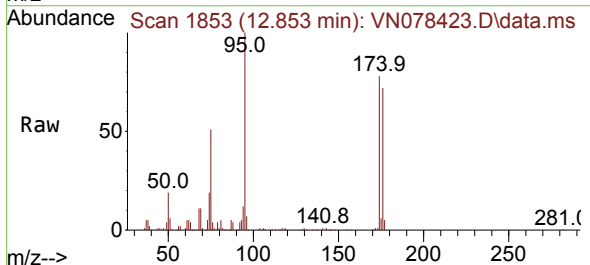
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1RE

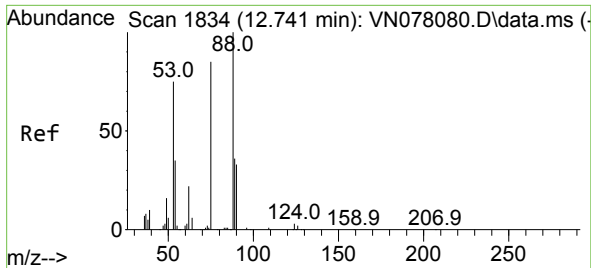
Tgt Ion: 83 Resp: 388
 Ion Ratio Lower Upper
 83 100
 131 85.1 5.0 15.0#
 85 0.0 31.9 95.7#



#76
 1,2,3-Trichloropropane
 Concen: 28.958 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078423.D
 Acq: 27 Jun 2023 17:53

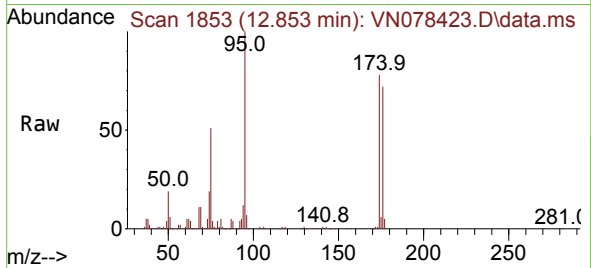
Tgt Ion: 75 Resp: 160070
 Ion Ratio Lower Upper
 75 100
 77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.968 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078423.D
 Acq: 27 Jun 2023 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1RE



Tgt Ion: 75 Resp: 160070
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

