

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078424.D
 Acq On : 27 Jun 2023 18:17
 Operator : JC\MD
 Sample : 03376-09DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-2DL

Quant Time: Jun 28 07:13:50 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)

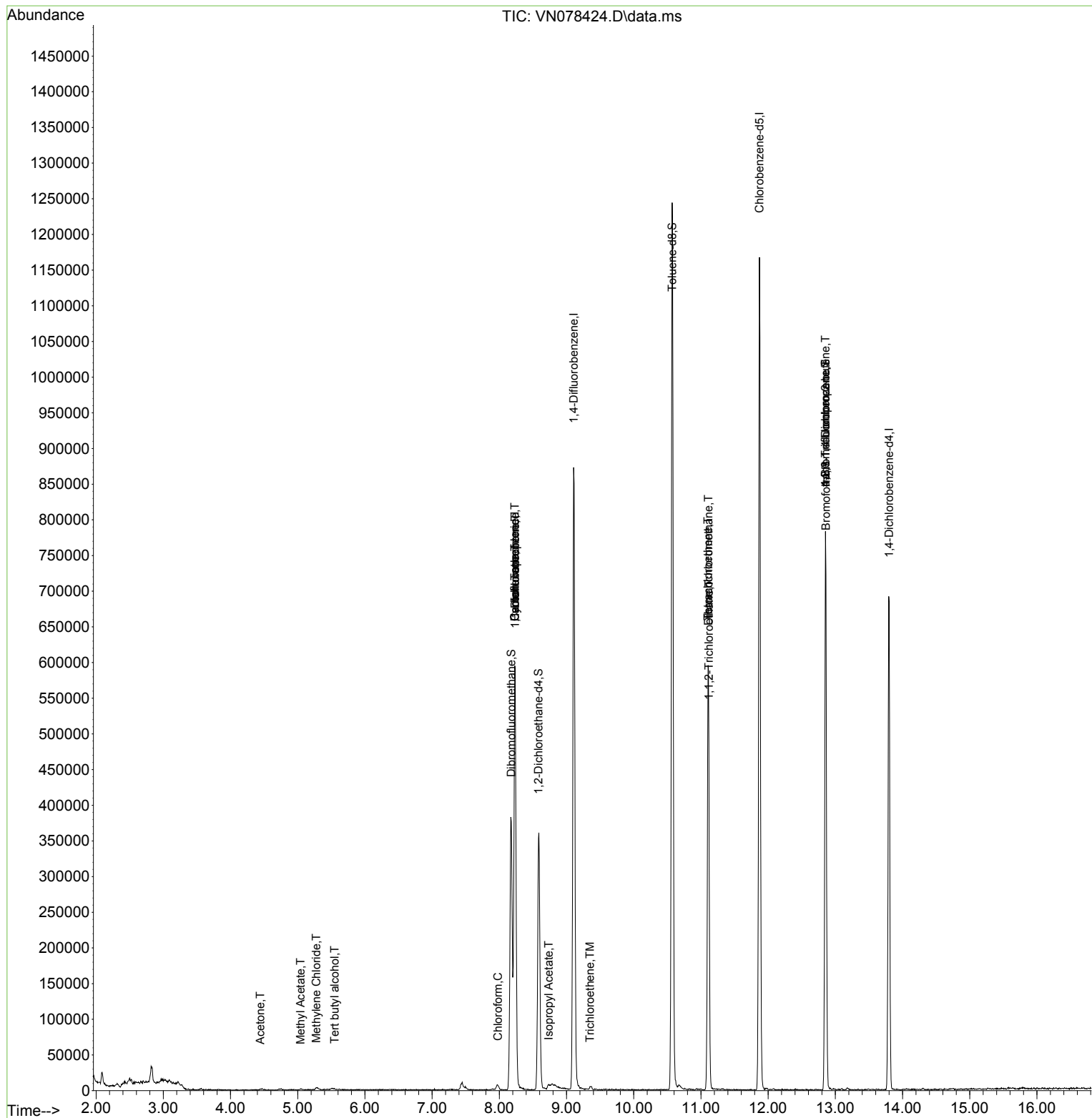
Internal Standards						
1) Pentafluorobenzene	8.230	168	427628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	774759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	696664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	189239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	295583	51.842	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.680%	
35) Dibromofluoromethane	8.177	113	282716	57.712	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.420%	
50) Toluene-d8	10.571	98	907713	48.065	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.140%	
62) 4-Bromofluorobenzene	12.853	95	267929	45.637	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1316	Below Cal		98
11) Tert butyl alcohol	5.548	59	217	0.276 ug/l	#	72
16) Acetone	4.442	43	750	0.457 ug/l		99
18) Methyl Acetate	5.042	43	1577	0.209 ug/l		90
20) Methylene Chloride	5.277	84	2204	0.406 ug/l	#	73
30) Chloroform	7.977	83	6639	0.697 ug/l		83
31) Cyclohexane	8.230	56	9573	1.309 ug/l	#	1
36) 1,1-Dichloropropene	8.236	75	37849	5.387 ug/l	#	48
38) Carbon Tetrachloride	8.230	117	46663	6.289 ug/l	#	16
43) Isopropyl Acetate	8.736	43	6543	0.623 ug/l	#	49
44) Trichloroethene	9.347	130	1714	0.309 ug/l		37
55) 1,1,2-Trichloroethane	11.118	97	1526	0.305 ug/l	#	1
60) Dibromochloromethane	11.112	129	135043	24.632 ug/l	#	11
64) Tetrachloroethene	11.106	164	135753	29.209 ug/l		96
71) Bromoform	12.859	173	2762	0.780 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.853	83	354	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	147457	32.961 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	147457	101.267 ug/l	#	15

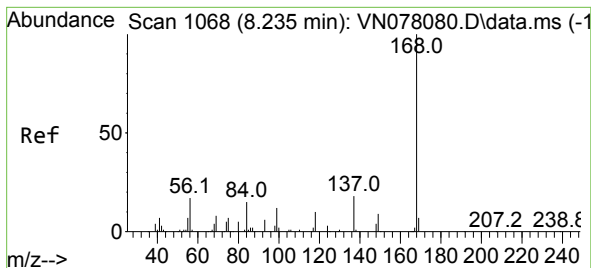
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN078424.D

Acq: 27 Jun 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

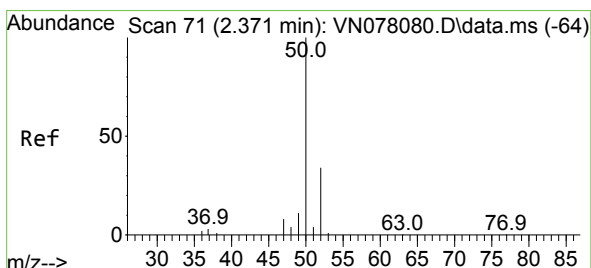
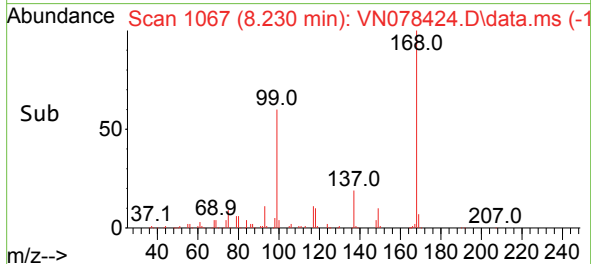
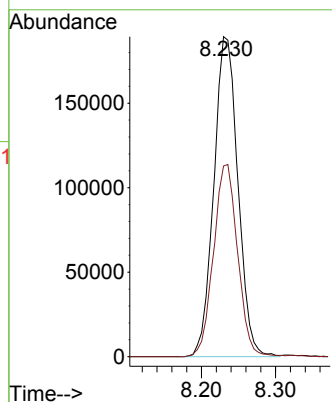
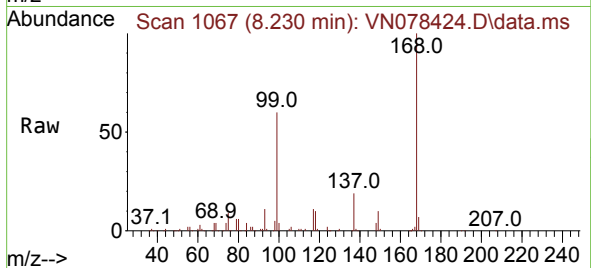
TW-2DL

Tgt Ion:168 Resp: 427628

Ion Ratio Lower Upper

168 100

99 59.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078424.D

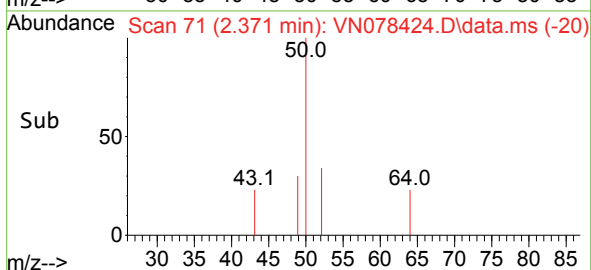
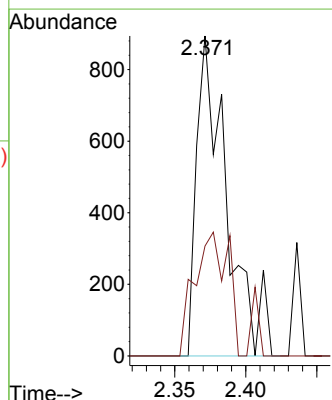
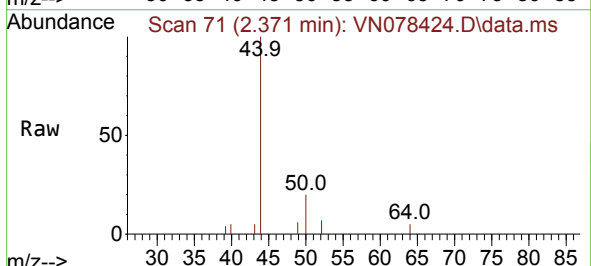
Acq: 27 Jun 2023 18:17

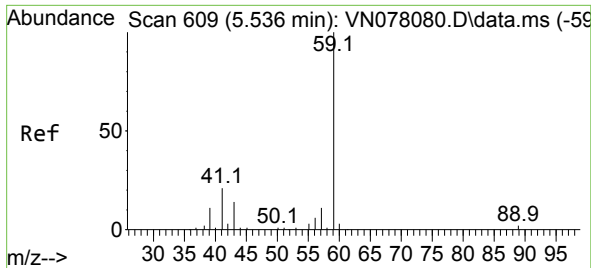
Tgt Ion: 50 Resp: 1316

Ion Ratio Lower Upper

50 100

52 34.3 26.5 39.7

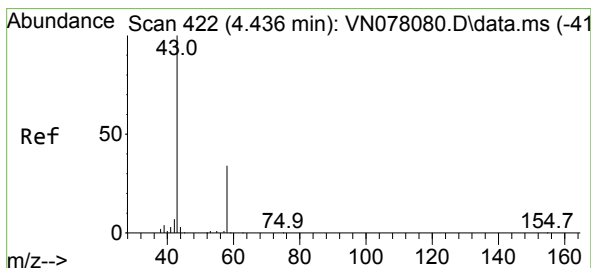
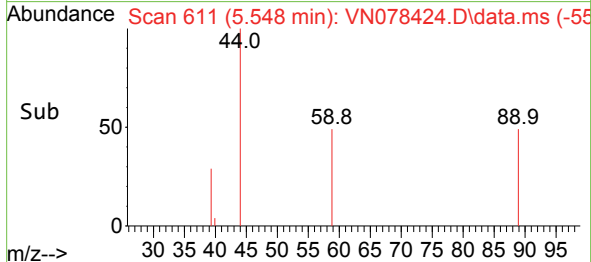
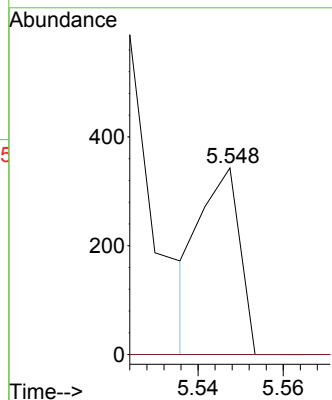
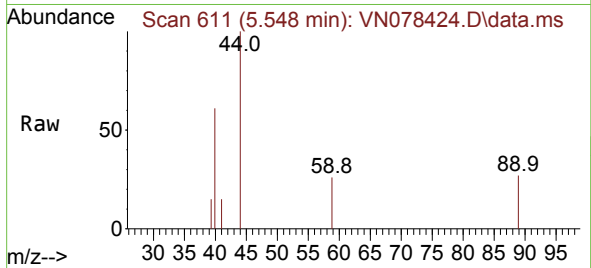




#11
Tert butyl alcohol
Concen: 0.276 ug/l
RT: 5.548 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN078424.D
Acq: 27 Jun 2023 18:17

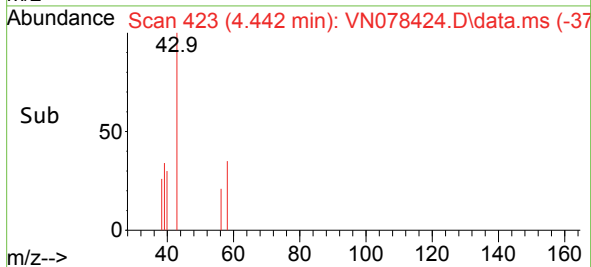
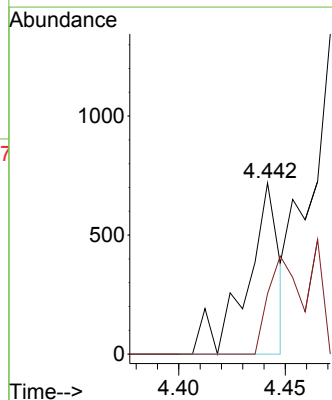
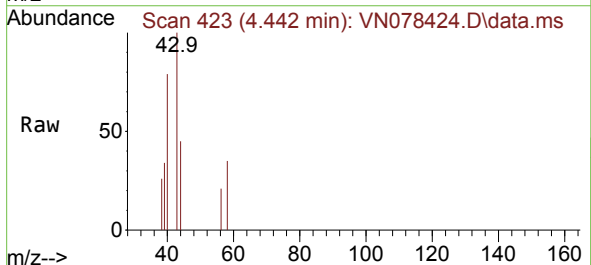
Instrument :
MSVOA_N
ClientSampleId :
TW-2DL

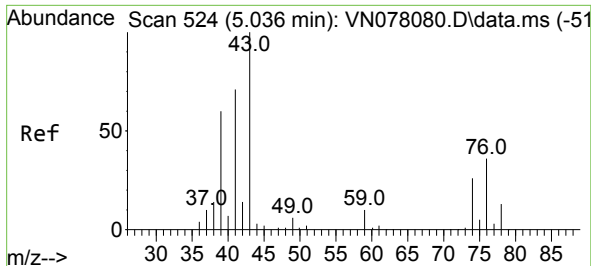
Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.457 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078424.D
Acq: 27 Jun 2023 18:17

Tgt Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
58 35.3 28.0 42.0

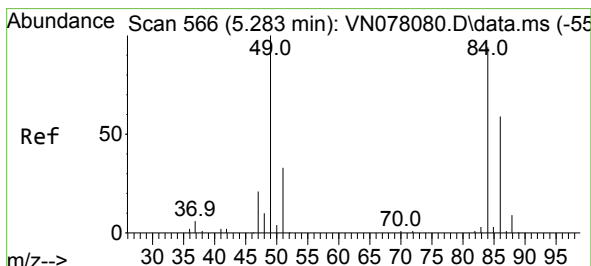
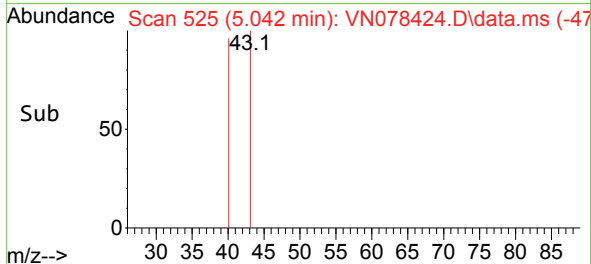
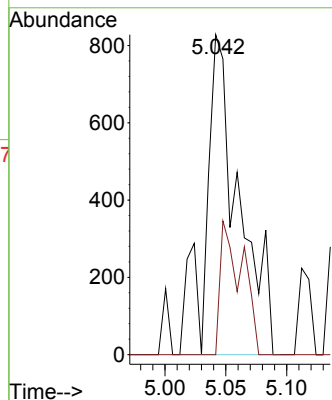
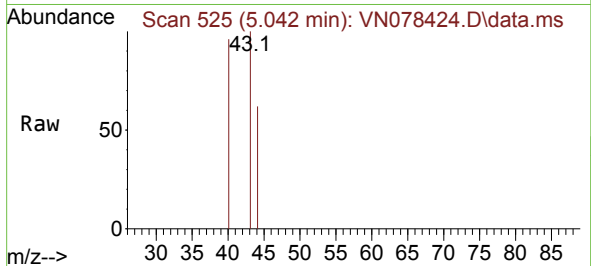




#18
Methyl Acetate
Concen: 0.209 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078424.D
Acq: 27 Jun 2023 18:17

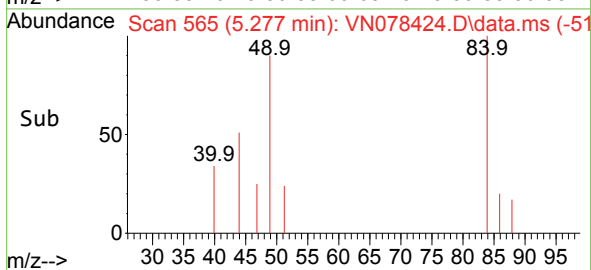
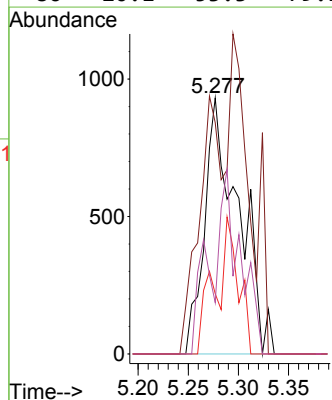
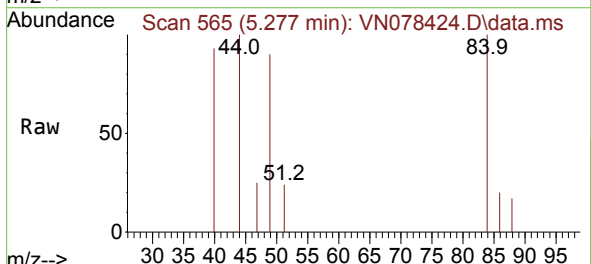
Instrument :
MSVOA_N
ClientSampleId :
TW-2DL

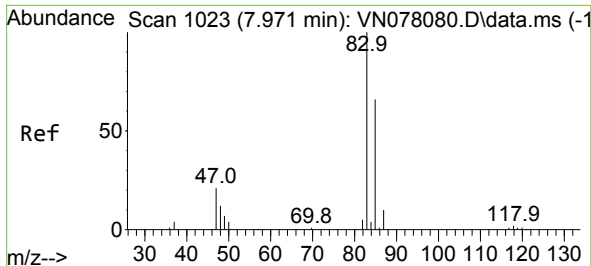
Tgt Ion: 43 Resp: 1577
Ion Ratio Lower Upper
43 100
74 27.3 26.2 39.4



#20
Methylene Chloride
Concen: 0.406 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078424.D
Acq: 27 Jun 2023 18:17

Tgt Ion: 84 Resp: 2204
Ion Ratio Lower Upper
84 100
49 90.3 79.7 119.5
51 23.5 25.2 37.8#
86 20.1 53.3 79.9#





#30

Chloroform

Concen: 0.697 ug/l

RT: 7.977 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078424.D

Acq: 27 Jun 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

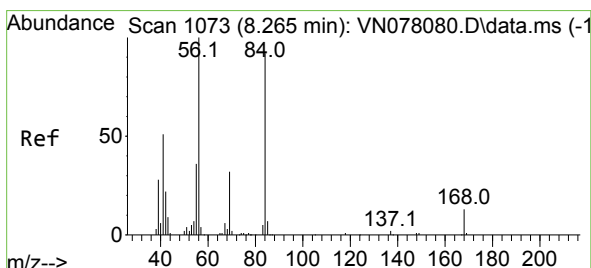
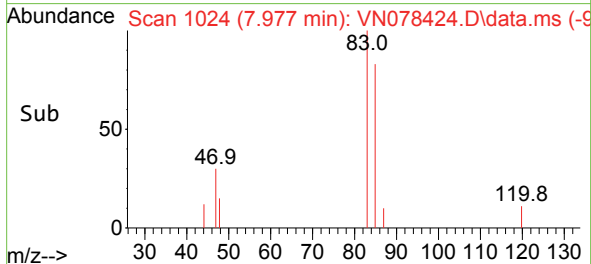
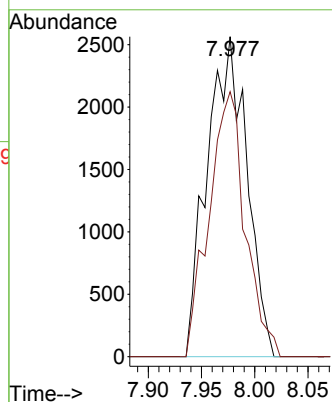
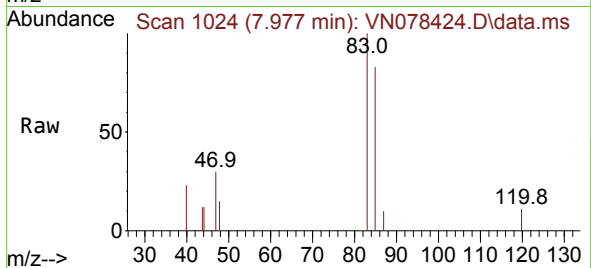
TW-2DL

Tgt Ion: 83 Resp: 6639

Ion Ratio Lower Upper

83 100

85 82.8 55.4 83.0



#31

Cyclohexane

Concen: 1.309 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078424.D

Acq: 27 Jun 2023 18:17

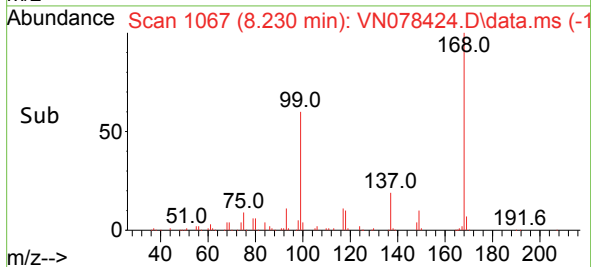
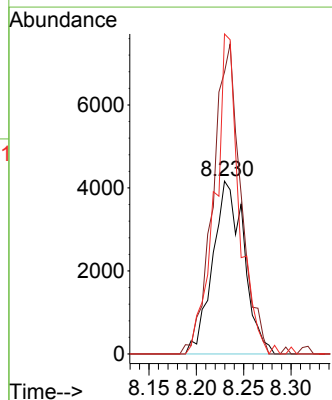
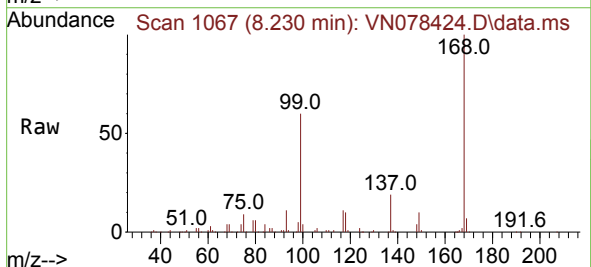
Tgt Ion: 56 Resp: 9573

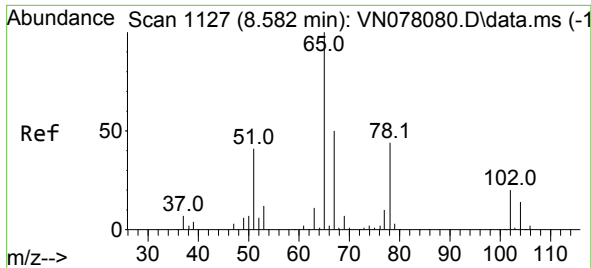
Ion Ratio Lower Upper

56 100

69 163.1 26.8 40.2#

84 185.2 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 51.842 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078424.D

Acq: 27 Jun 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

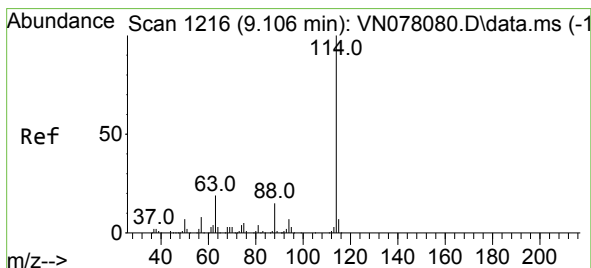
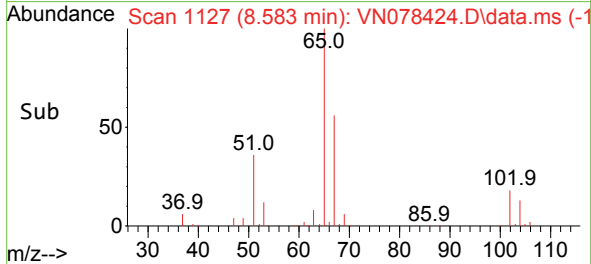
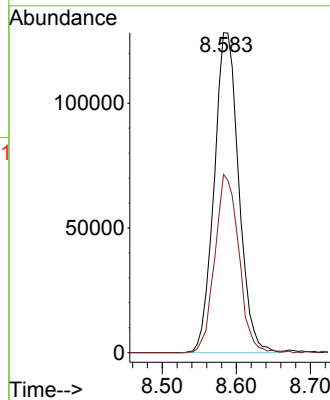
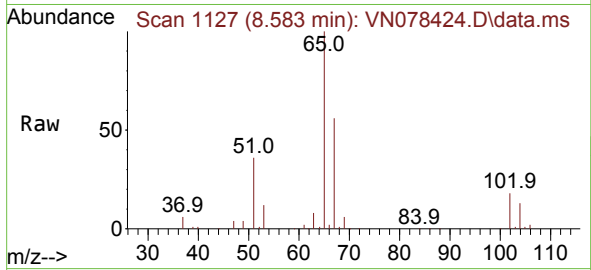
TW-2DL

Tgt Ion: 65 Resp: 295583

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078424.D

Acq: 27 Jun 2023 18:17

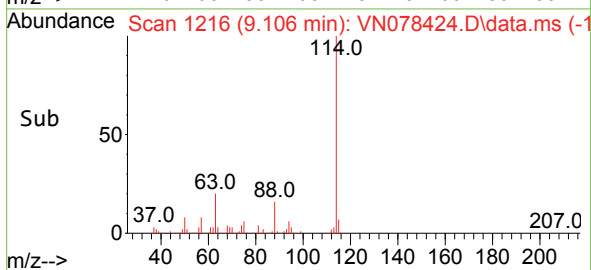
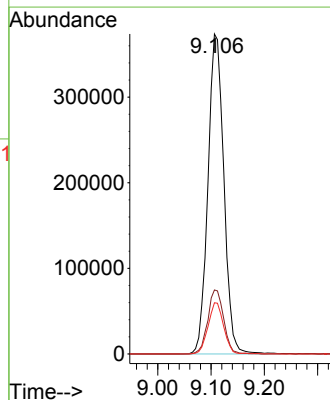
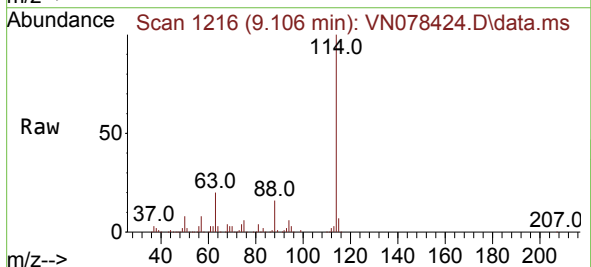
Tgt Ion:114 Resp: 774759

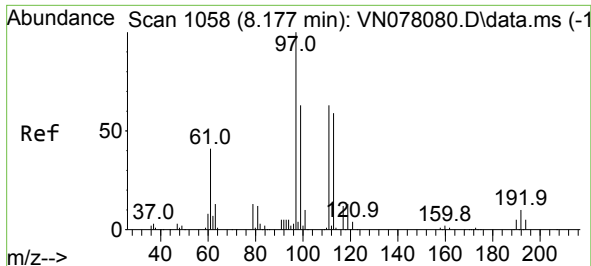
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 16.0 0.0 30.6

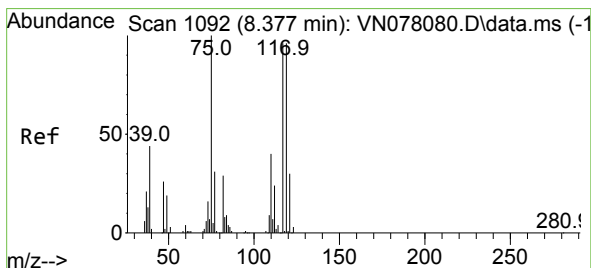
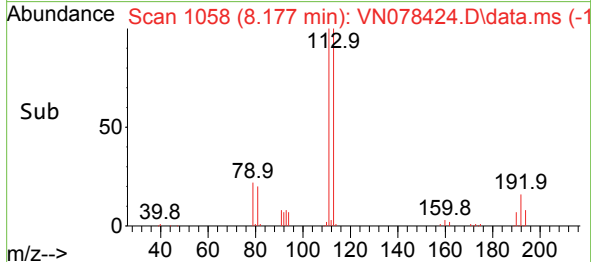
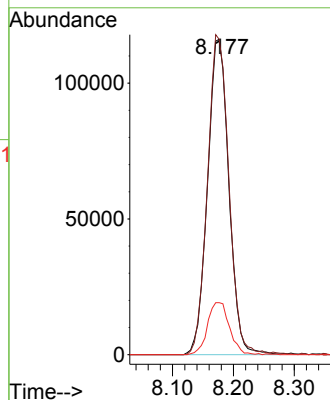
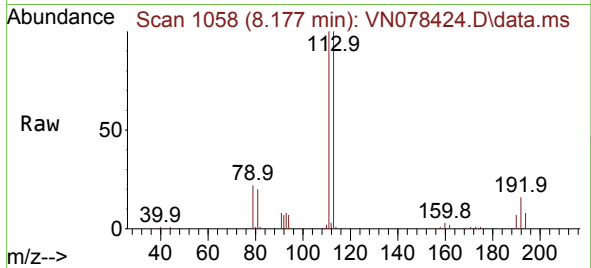




#35
Dibromofluoromethane
Concen: 57.712 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078424.D
Acq: 27 Jun 2023 18:17

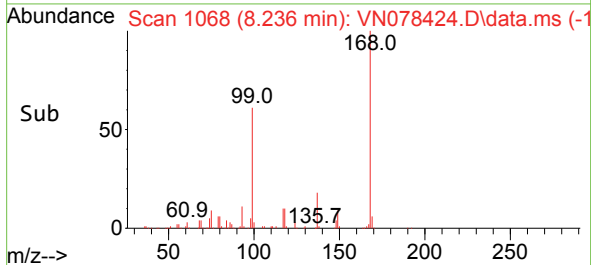
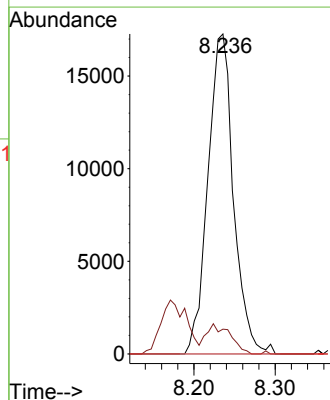
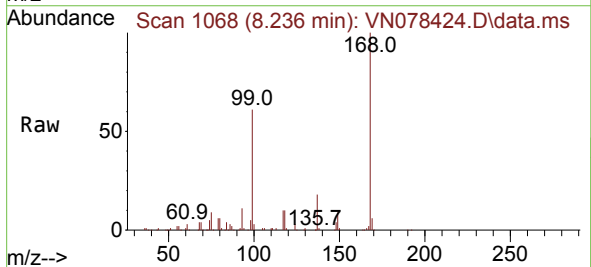
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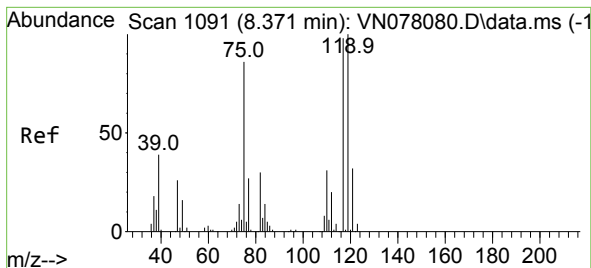
Tgt Ion:113 Resp: 282716
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 17.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.387 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078424.D
Acq: 27 Jun 2023 18:17

Tgt Ion: 75 Resp: 37849
Ion Ratio Lower Upper
75 100
110 8.9 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.289 ug/l

RT: 8.230 min Scan# 1103

Delta R.T. -0.141 min

Lab File: VN078424.D

Acq: 27 Jun 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

TW-2DL

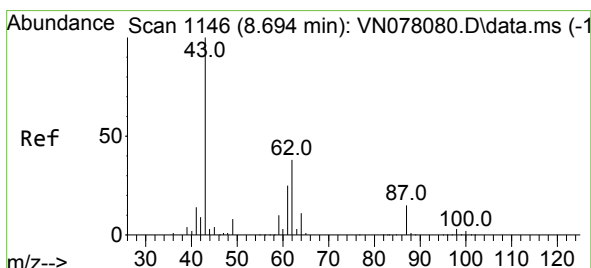
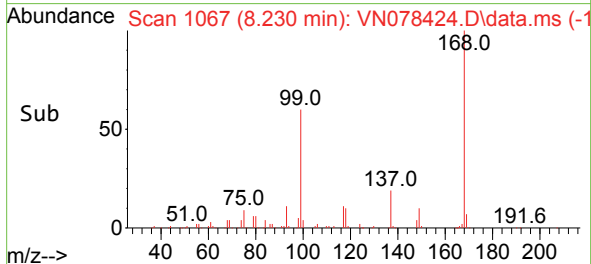
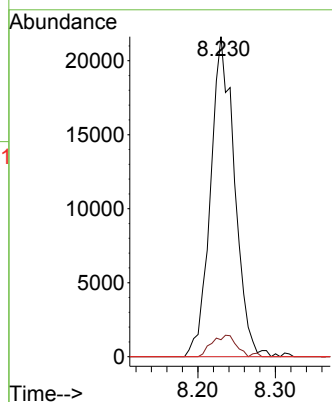
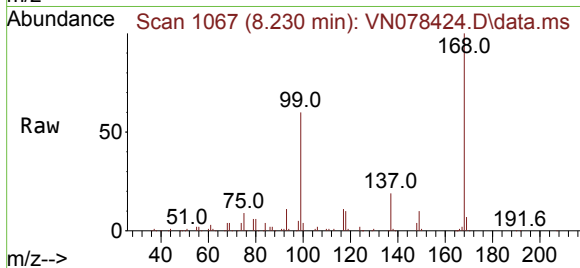
Tgt Ion:117 Resp: 46663

Ion Ratio Lower Upper

117 100

119 5.3 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.623 ug/l

RT: 8.736 min Scan# 1153

Delta R.T. 0.041 min

Lab File: VN078424.D

Acq: 27 Jun 2023 18:17

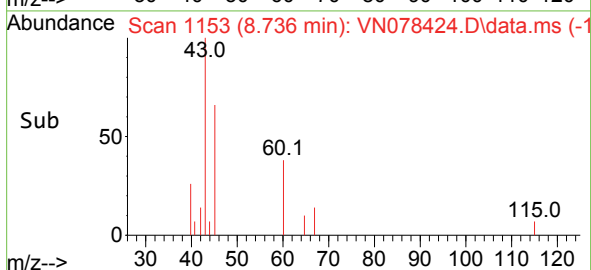
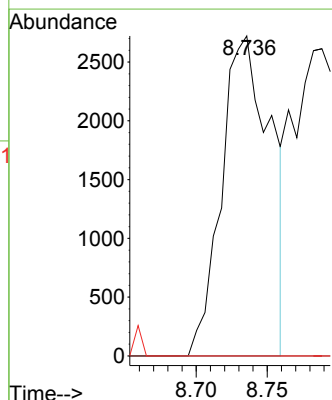
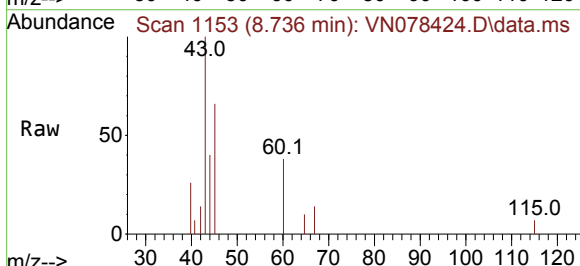
Tgt Ion: 43 Resp: 6543

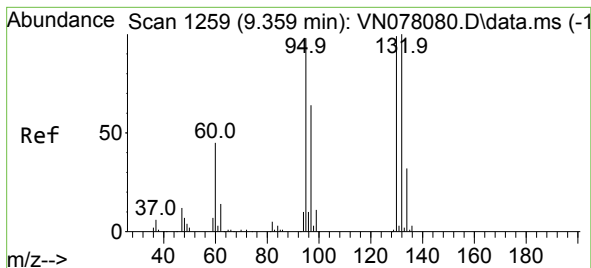
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#





#44

Trichloroethene

Concen: 0.309 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN078424.D

Acq: 27 Jun 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

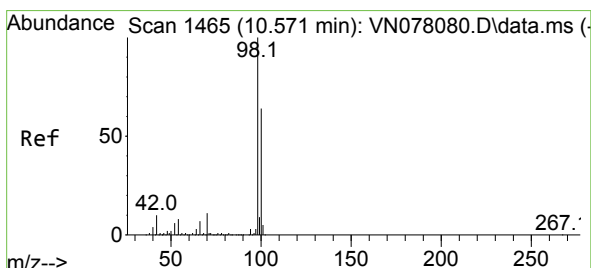
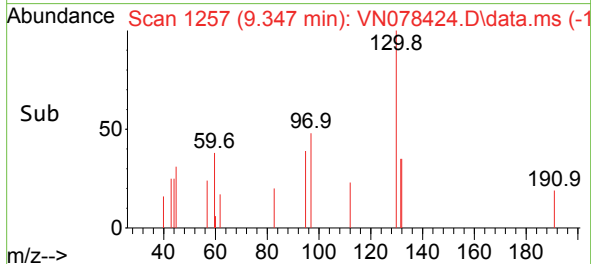
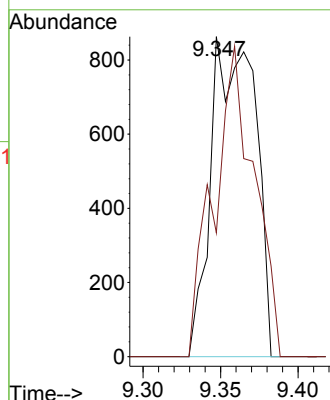
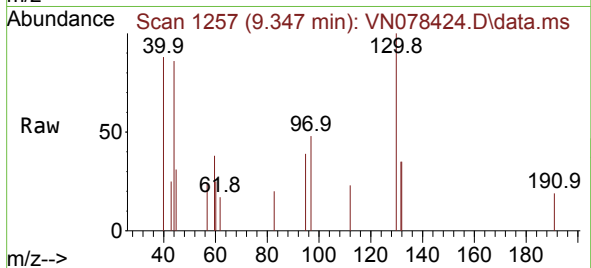
TW-2DL

Tgt Ion:130 Resp: 1714

Ion Ratio Lower Upper

130 100

95 38.7 0.0 204.6



#50

Toluene-d8

Concen: 48.065 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078424.D

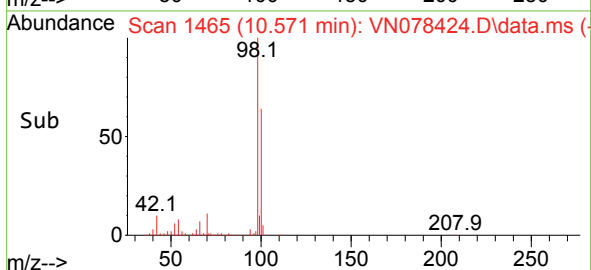
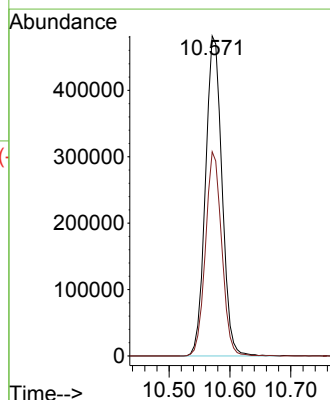
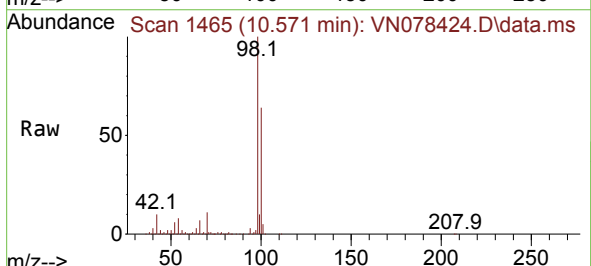
Acq: 27 Jun 2023 18:17

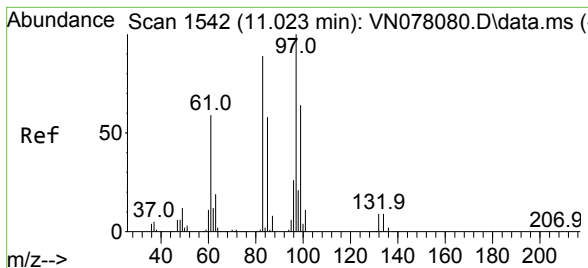
Tgt Ion: 98 Resp: 907713

Ion Ratio Lower Upper

98 100

100 62.7 52.0 78.0





#55

1,1,2-Trichloroethane

Concen: 0.305 ug/l

RT: 11.118 min Scan# 1

Delta R.T. 0.094 min

Lab File: VN078424.D

Acq: 27 Jun 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

TW-2DL

Tgt Ion: 97 Resp: 1526

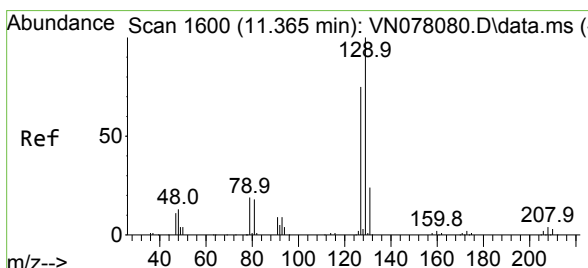
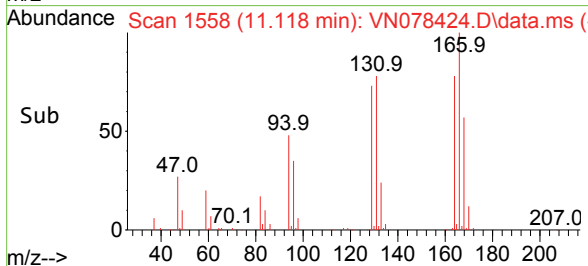
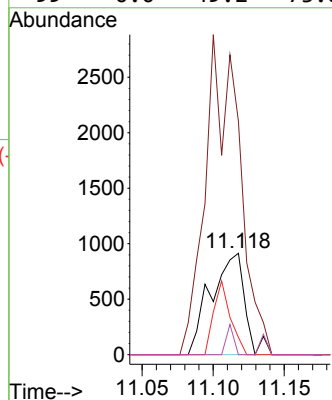
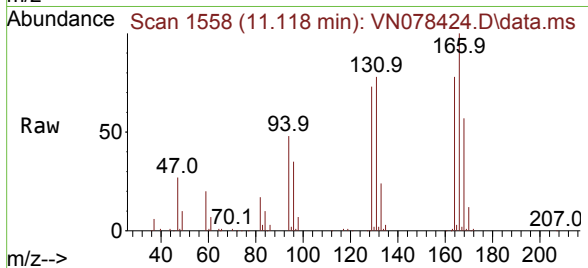
Ion Ratio Lower Upper

97 100

83 229.9 65.1 97.7#

85 17.1 43.4 65.2#

99 0.0 49.2 73.8#



#60

Dibromochloromethane

Concen: 24.632 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. -0.253 min

Lab File: VN078424.D

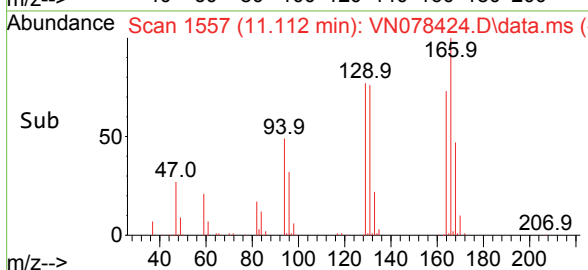
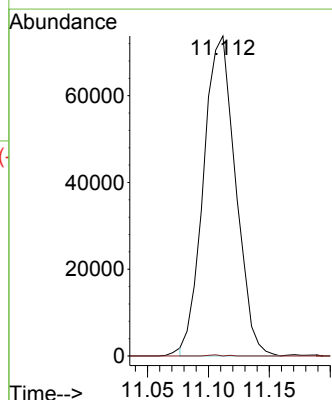
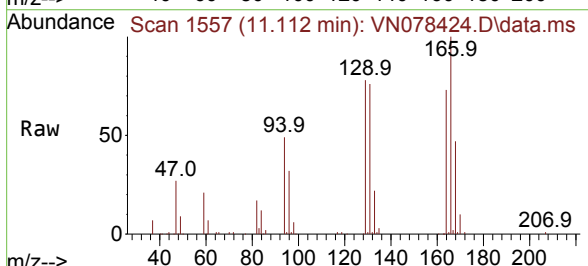
Acq: 27 Jun 2023 18:17

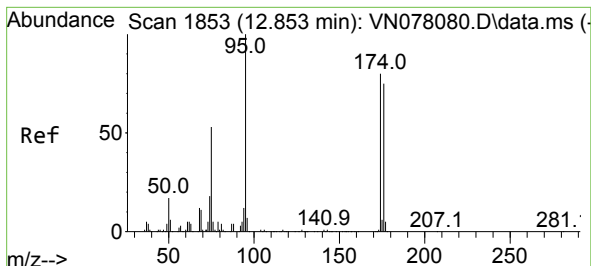
Tgt Ion: 129 Resp: 135043

Ion Ratio Lower Upper

129 100

127 0.2 38.6 116.0#

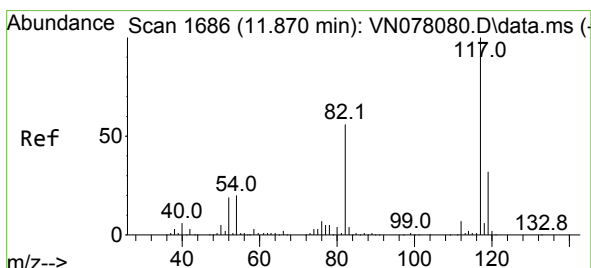
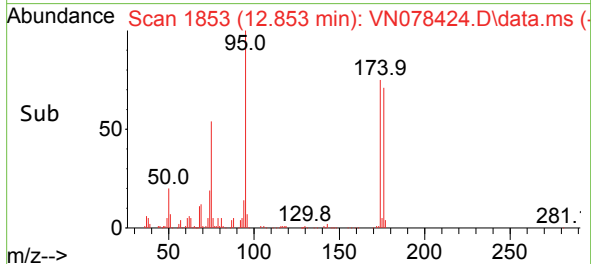
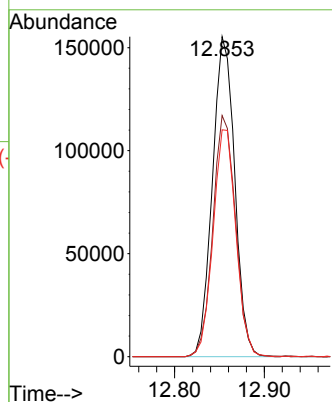
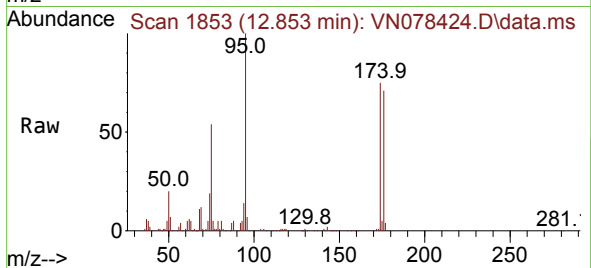




#62
4-Bromofluorobenzene
Concen: 45.637 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078424.D
Acq: 27 Jun 2023 18:17

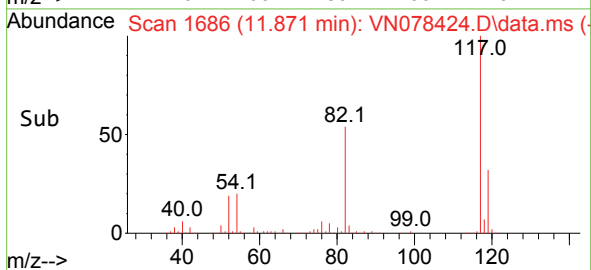
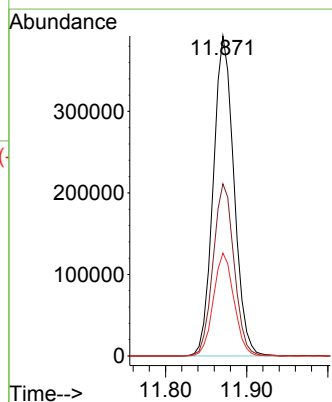
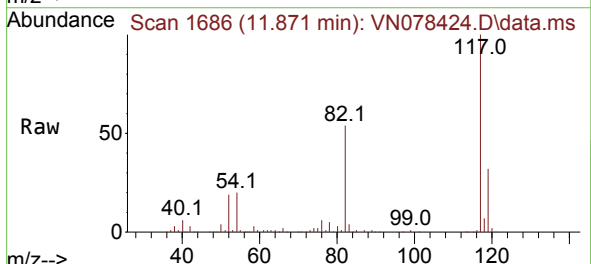
Instrument :
MSVOA_N
ClientSampleId :
TW-2DL

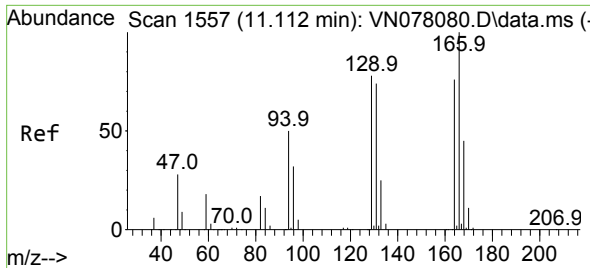
Tgt Ion: 95 Resp: 267929
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.8
176 72.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078424.D
Acq: 27 Jun 2023 18:17

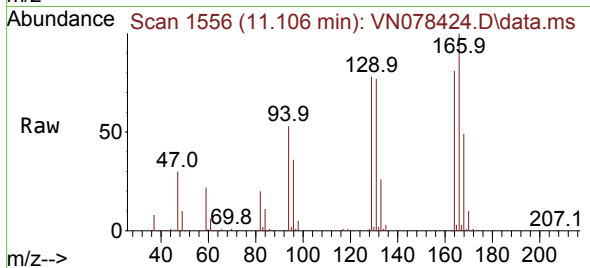
Tgt Ion: 117 Resp: 696664
Ion Ratio Lower Upper
117 100
82 53.8 44.0 66.0
119 32.2 25.6 38.4



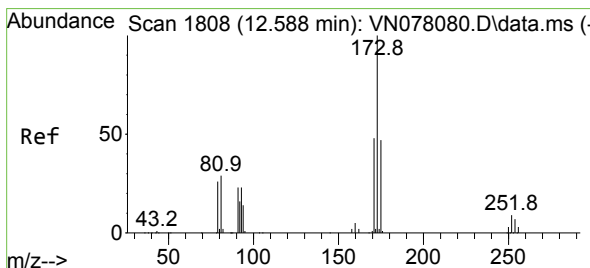
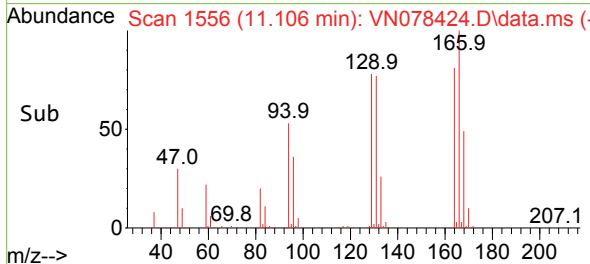
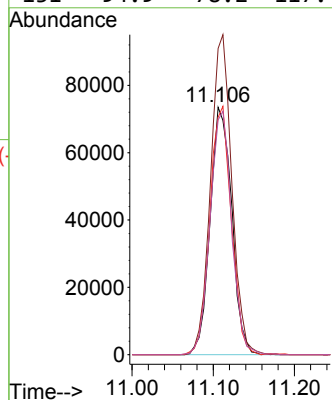


#64
Tetrachloroethene
Concen: 29.209 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078424.D
Acq: 27 Jun 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :
TW-2DL

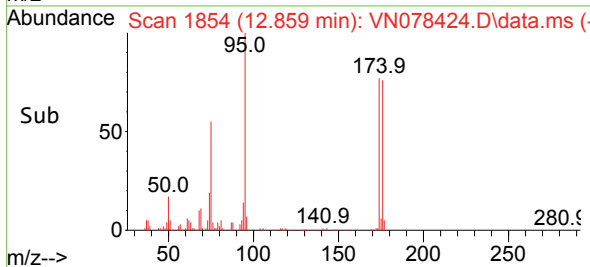
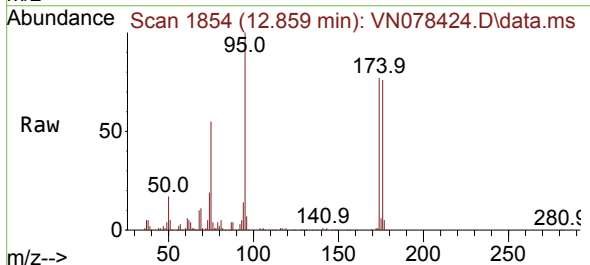
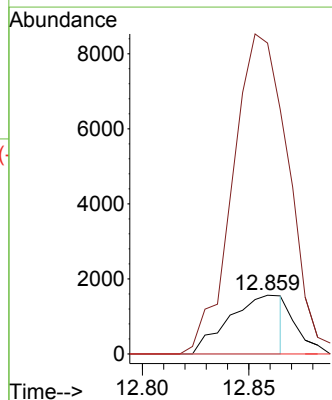


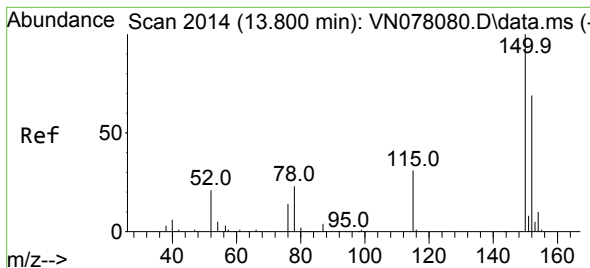
Tgt Ion:164 Resp: 135753
Ion Ratio Lower Upper
164 100
166 123.8 101.4 152.0
129 96.0 82.4 123.6
131 94.9 78.2 117.4



#71
Bromoform
Concen: 0.780 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.271 min
Lab File: VN078424.D
Acq: 27 Jun 2023 18:17

Tgt Ion:173 Resp: 2762
Ion Ratio Lower Upper
173 100
175 475.0 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: VN078424.D

Acq: 27 Jun 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

TW-2DL

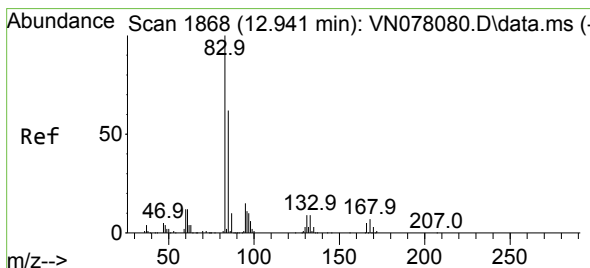
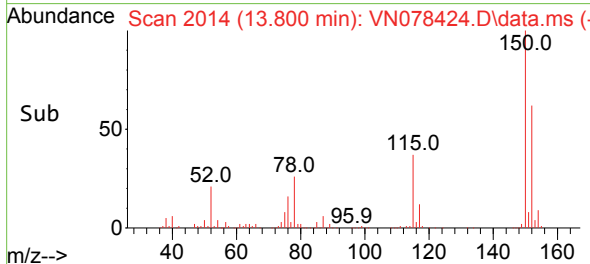
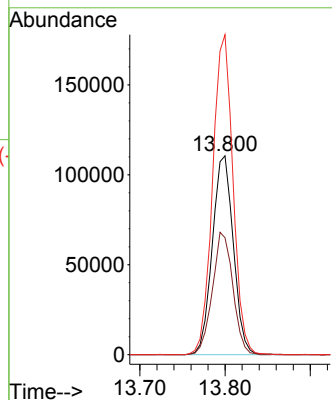
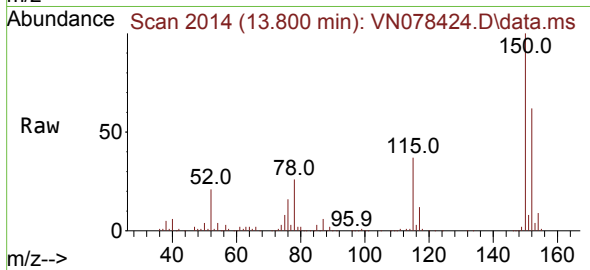
Tgt Ion:152 Resp: 189239

Ion Ratio Lower Upper

152 100

115 60.0 32.3 96.8

150 155.9 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.853 min Scan# 1853

Delta R.T. -0.088 min

Lab File: VN078424.D

Acq: 27 Jun 2023 18:17

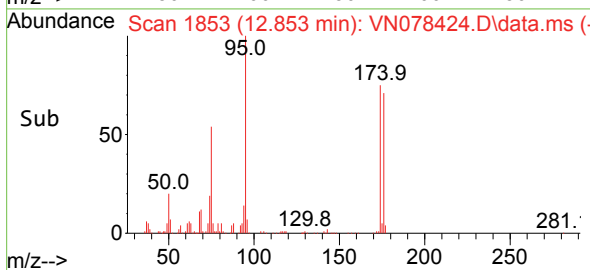
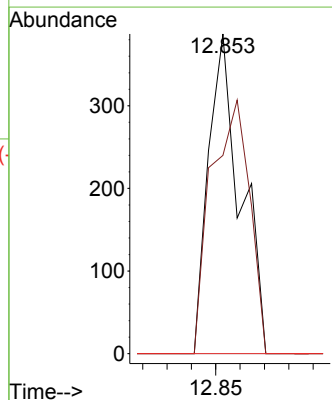
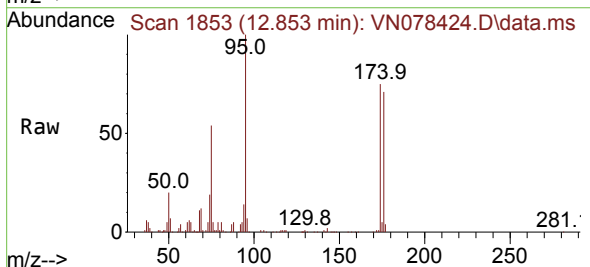
Tgt Ion: 83 Resp: 354

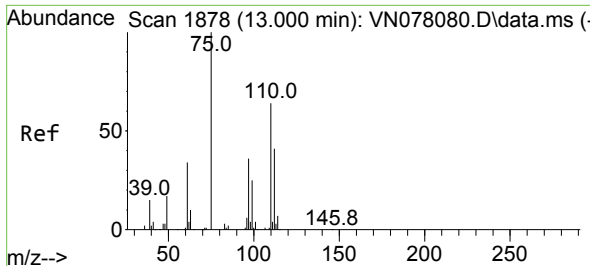
Ion Ratio Lower Upper

83 100

131 94.9 5.0 15.0#

85 0.0 31.9 95.7#

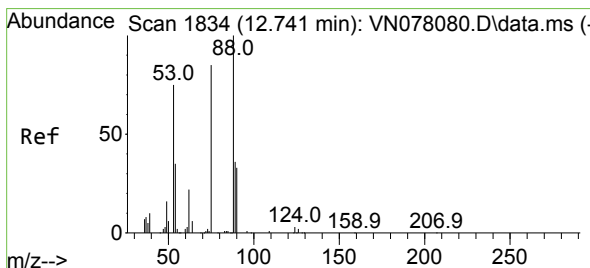
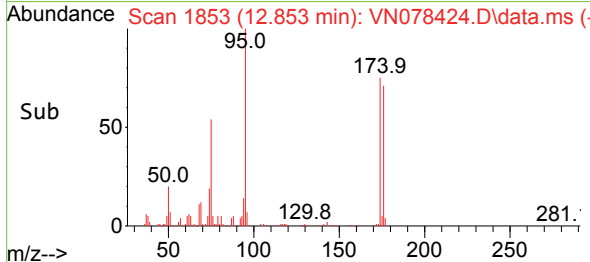
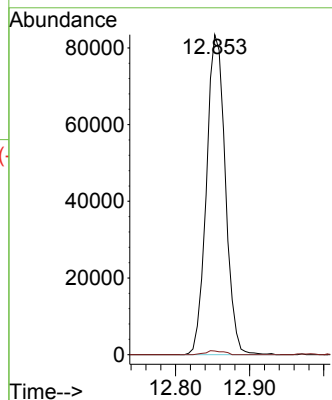
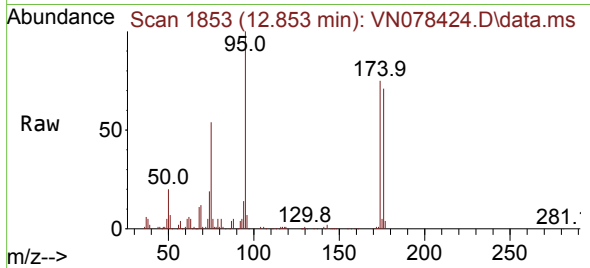




#76
1,2,3-Trichloropropane
Concen: 32.961 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078424.D
Acq: 27 Jun 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :
TW-2DL

Tgt Ion: 75 Resp: 147457
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.267 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078424.D
Acq: 27 Jun 2023 18:17

Tgt Ion: 75 Resp: 147457
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

