

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078425.D
 Acq On : 27 Jun 2023 18:42
 Operator : JC\MD
 Sample : 03376-12DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-01DL

Quant Time: Jun 28 07:14:13 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)

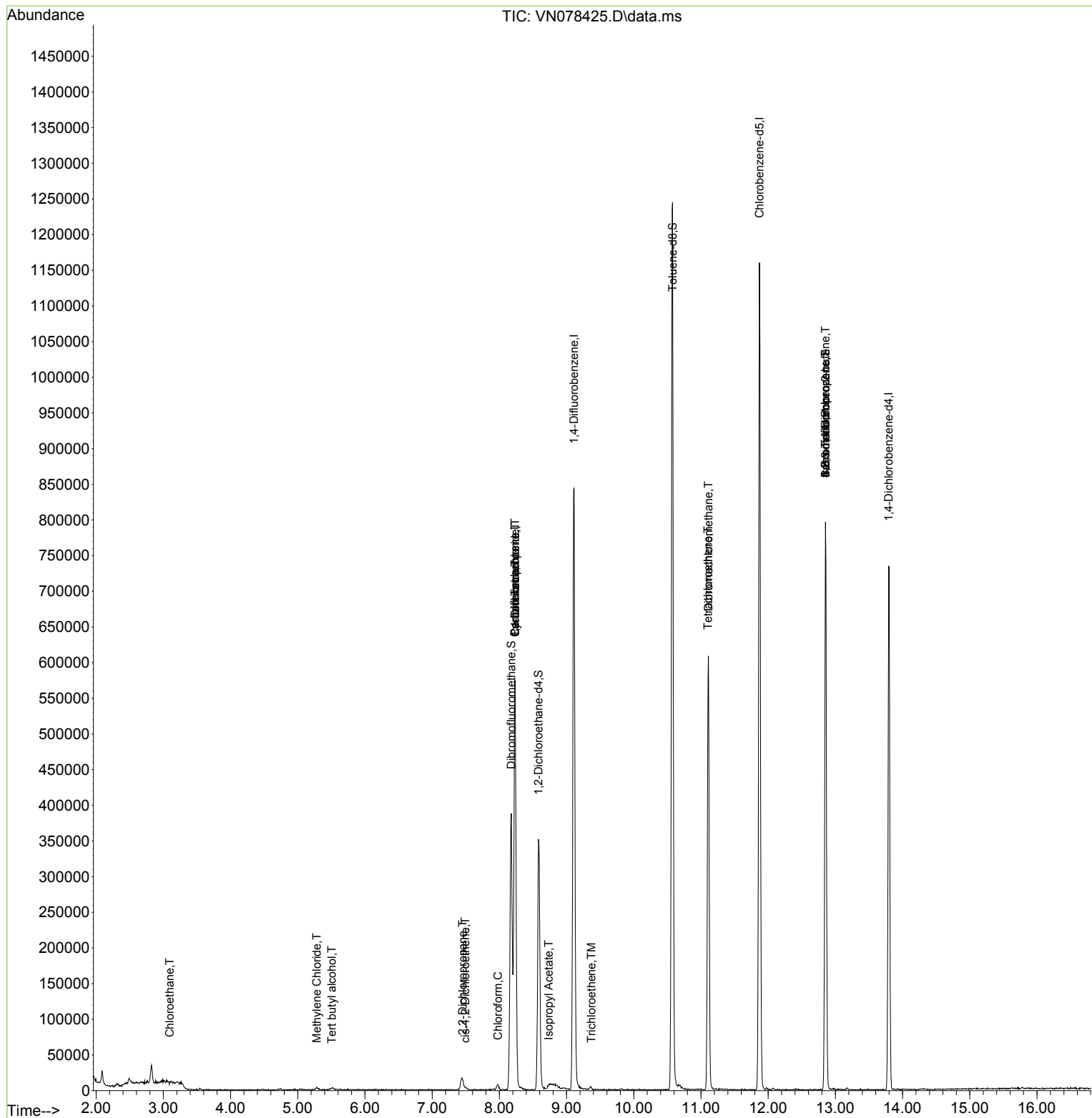
Internal Standards						
1) Pentafluorobenzene	8.230	168	417407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	769550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	692136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	204608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	295060	53.018	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.040%	
35) Dibromofluoromethane	8.177	113	274866	56.490	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.980%	
50) Toluene-d8	10.576	98	901522	48.061	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.120%	
62) 4-Bromofluorobenzene	12.853	95	278902	47.828	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1064	Below Cal	#	42
6) Chloroethane	3.095	64	866	0.206	ug/l #	78
11) Tert butyl alcohol	5.506	59	2235	2.908	ug/l #	72
20) Methylene Chloride	5.283	84	1861	0.352	ug/l #	76
26) 2,2-Dichloropropane	7.453	77	1350	0.212	ug/l #	53
27) cis-1,2-Dichloroethene	7.494	96	1181	0.201	ug/l	73
30) Chloroform	7.977	83	7135	0.767	ug/l	90
31) Cyclohexane	8.235	56	10002	1.401	ug/l #	13
36) 1,1-Dichloropropene	8.235	75	35141	5.035	ug/l #	47
38) Carbon Tetrachloride	8.235	117	45846	6.221	ug/l #	17
43) Isopropyl Acetate	8.735	43	4297	0.412	ug/l #	49
44) Trichloroethene	9.371	130	1423	0.259	ug/l	45
60) Dibromochloromethane	11.112	129	138574	25.447	ug/l #	11
64) Tetrachloroethene	11.106	164	137668	29.815	ug/l	94
71) Bromoform	12.853	173	2735	0.777	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.865	83	124	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	151351	31.290	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	151351	96.133	ug/l #	15

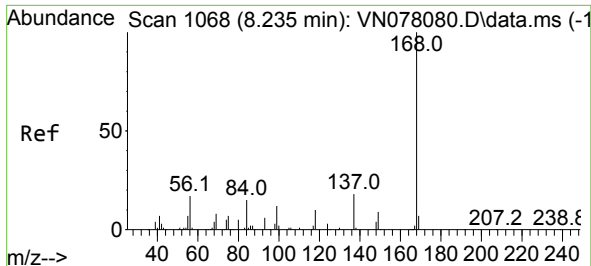
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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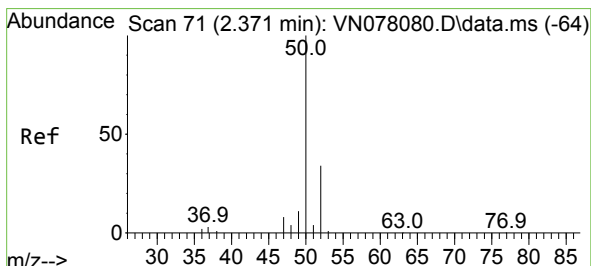
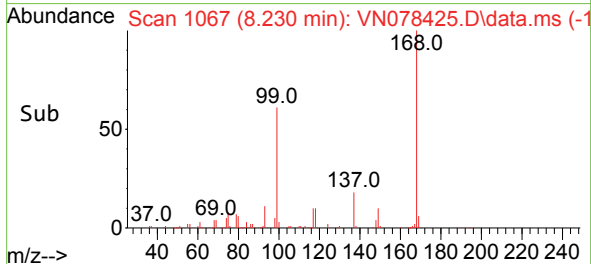
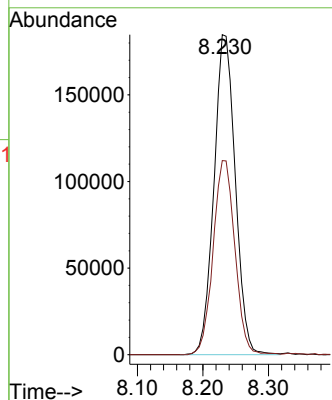
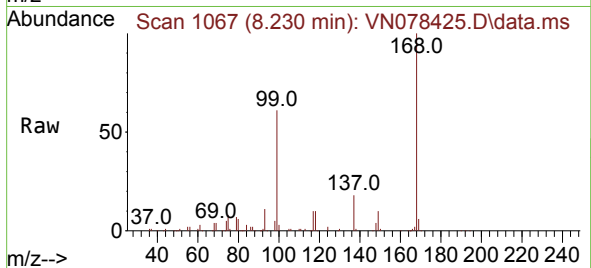




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.005 min
Lab File: VN078425.D
Acq: 27 Jun 2023 18:42

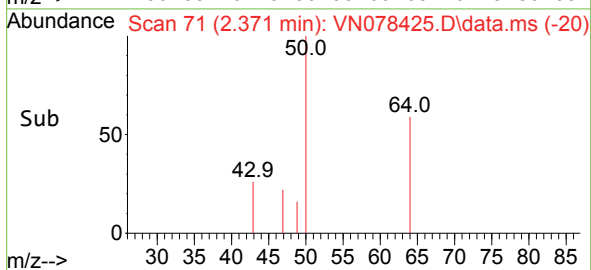
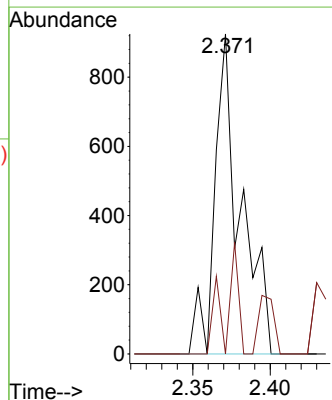
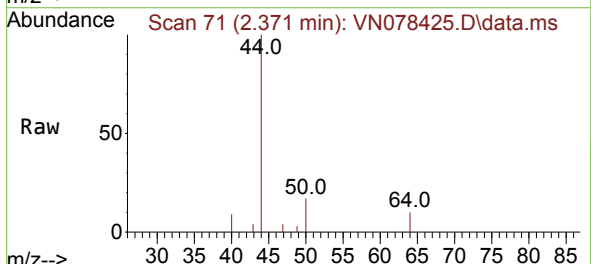
Instrument :
MSVOA_N
ClientSampleId :
DUP-01DL

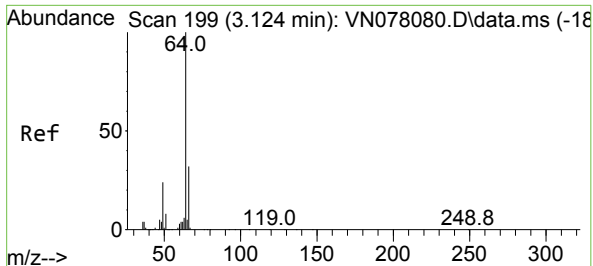
Tgt Ion:168 Resp: 417407
Ion Ratio Lower Upper
168 100
99 60.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078425.D
Acq: 27 Jun 2023 18:42

Tgt Ion: 50 Resp: 1064
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

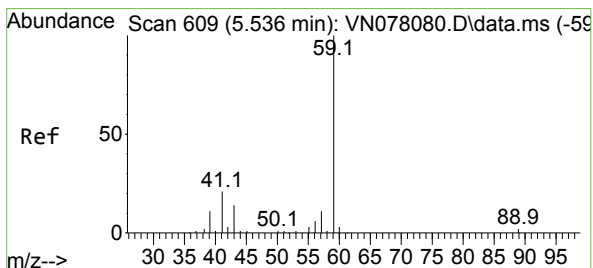
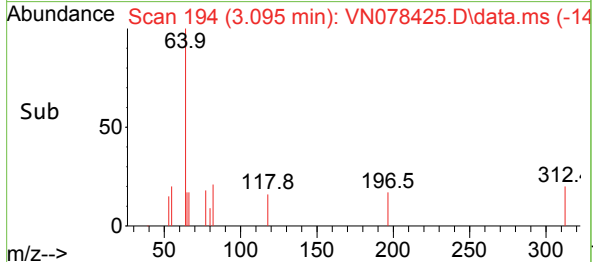
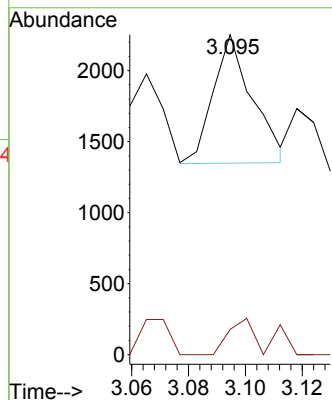
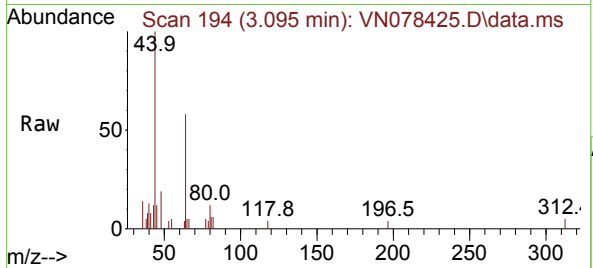




#6
Chloroethane
Concen: 0.206 ug/l
RT: 3.095 min Scan# 19
Delta R.T. -0.029 min
Lab File: VN078425.D
Acq: 27 Jun 2023 18:42

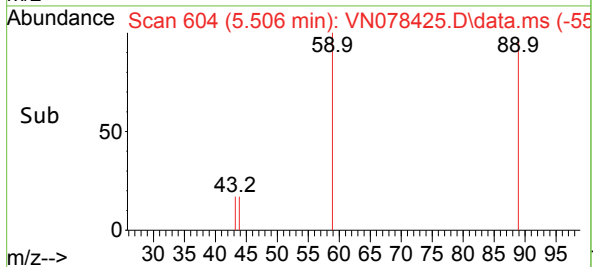
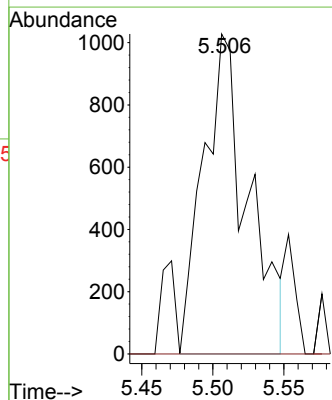
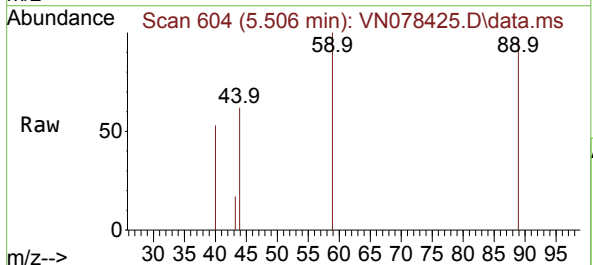
Instrument :
MSVOA_N
ClientSampleId :
DUP-01DL

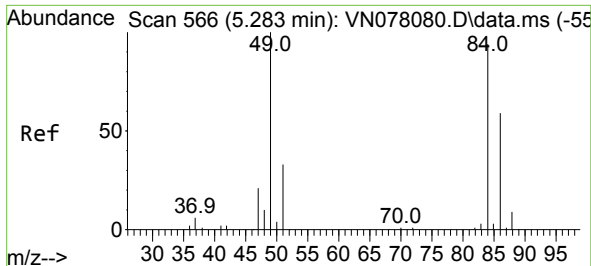
Tgt Ion: 64 Resp: 866
Ion Ratio Lower Upper
64 100
66 19.8 25.4 38.2#



#11
Tert butyl alcohol
Concen: 2.908 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.029 min
Lab File: VN078425.D
Acq: 27 Jun 2023 18:42

Tgt Ion: 59 Resp: 2235
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

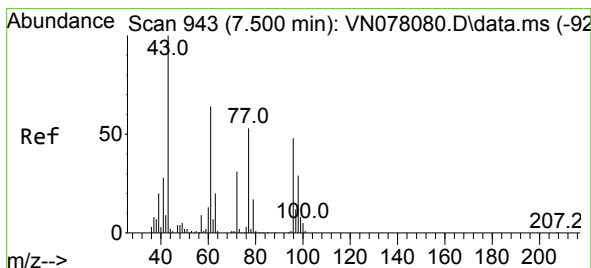
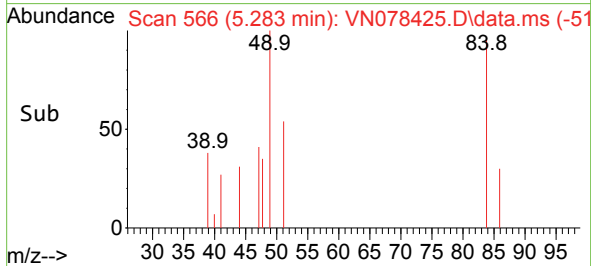
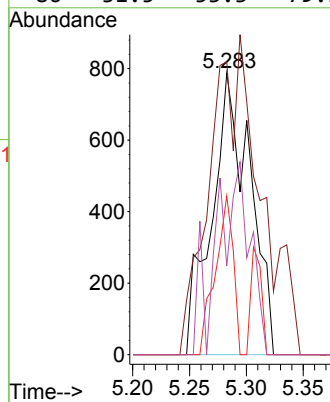
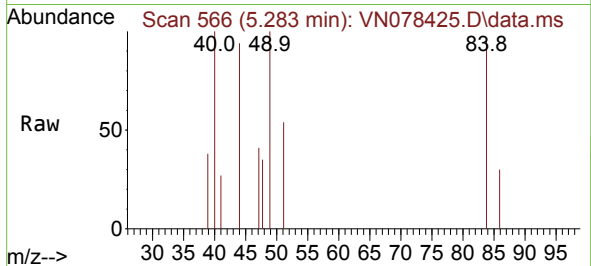




#20
Methylene Chloride
Concen: 0.352 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN078425.D
Acq: 27 Jun 2023 18:42

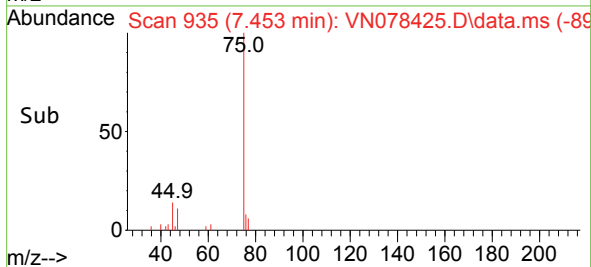
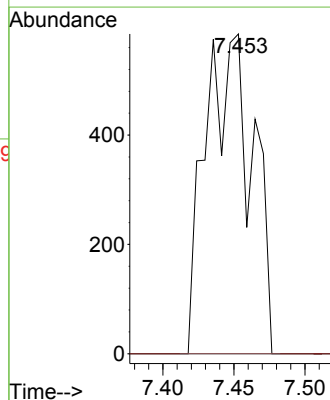
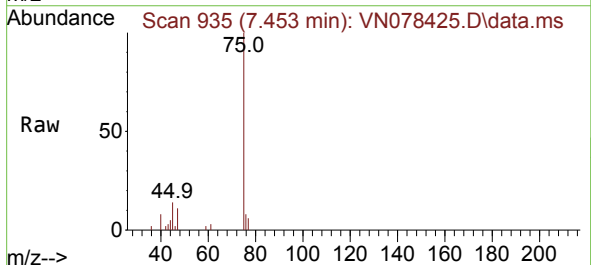
Instrument :
MSVOA_N
ClientSampleId :
DUP-01DL

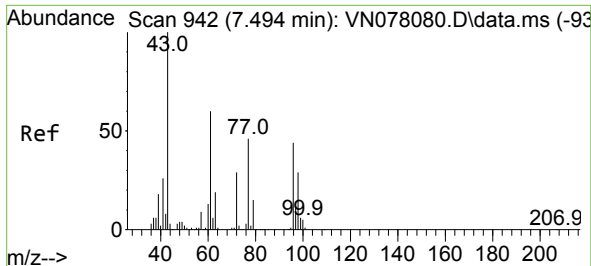
Tgt Ion: 84	Resp: 1861
Ion Ratio	Lower Upper
84 100	
49 104.1	79.7 119.5
51 56.4	25.2 37.8#
86 31.5	53.3 79.9#



#26
2,2-Dichloropropane
Concen: 0.212 ug/l
RT: 7.453 min Scan# 935
Delta R.T. -0.047 min
Lab File: VN078425.D
Acq: 27 Jun 2023 18:42

Tgt Ion: 77	Resp: 1350
Ion Ratio	Lower Upper
77 100	
97 0.0	11.2 33.6#





#27

cis-1,2-Dichloroethene

Concen: 0.201 ug/l

RT: 7.494 min Scan# 94

Delta R.T. 0.000 min

Lab File: VN078425.D

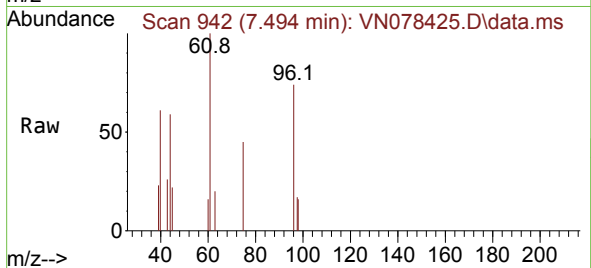
Acq: 27 Jun 2023 18:42

Instrument :

MSVOA_N

ClientSampleId :

DUP-01DL



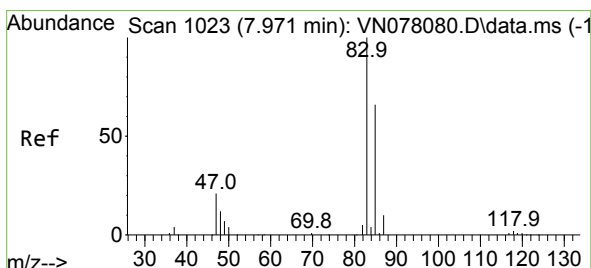
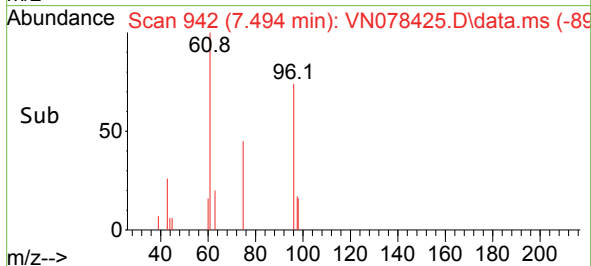
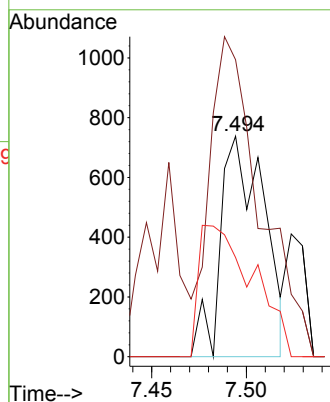
Tgt Ion: 96 Resp: 1181

Ion Ratio Lower Upper

96 100

61 167.2 0.0 255.2

98 74.1 0.0 128.8



#30

Chloroform

Concen: 0.767 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN078425.D

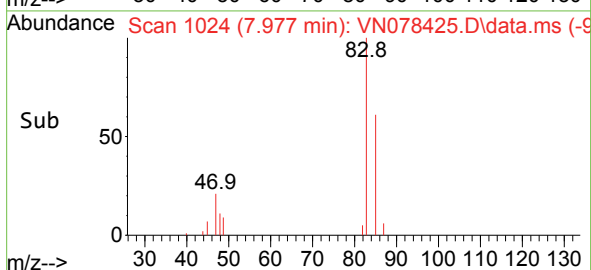
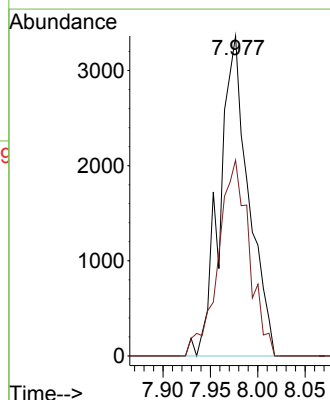
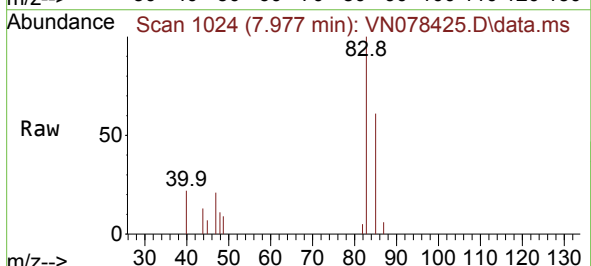
Acq: 27 Jun 2023 18:42

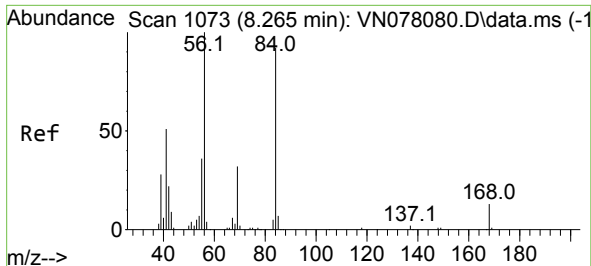
Tgt Ion: 83 Resp: 7135

Ion Ratio Lower Upper

83 100

85 61.2 55.4 83.0

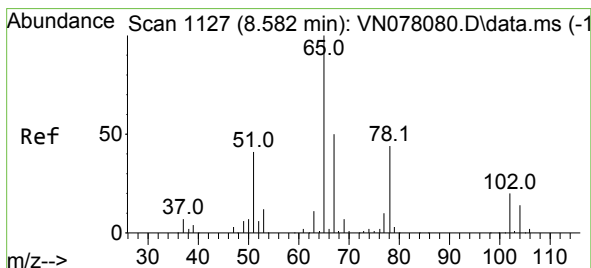
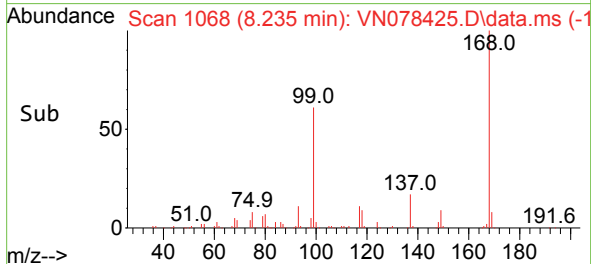
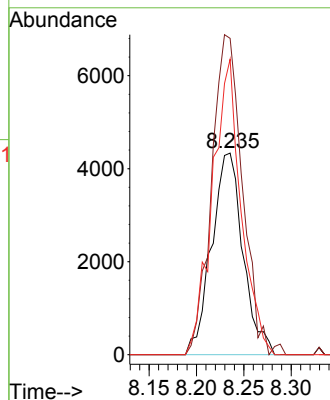
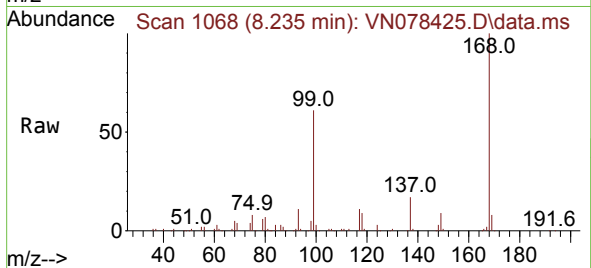




#31
Cyclohexane
Concen: 1.401 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078425.D
Acq: 27 Jun 2023 18:42

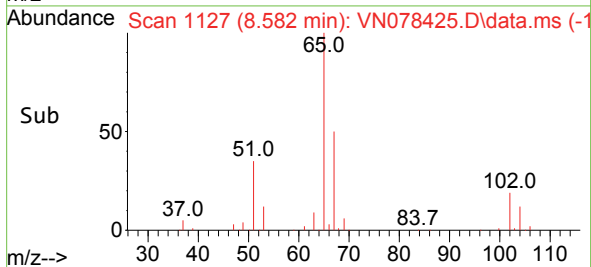
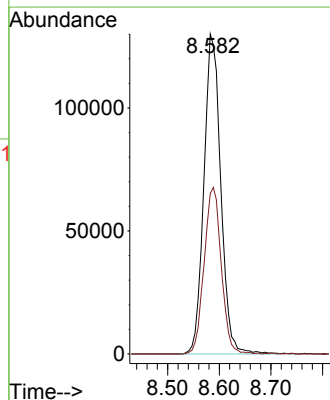
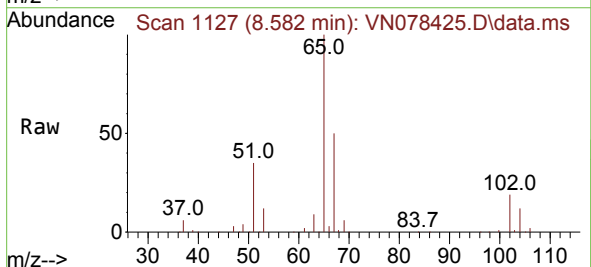
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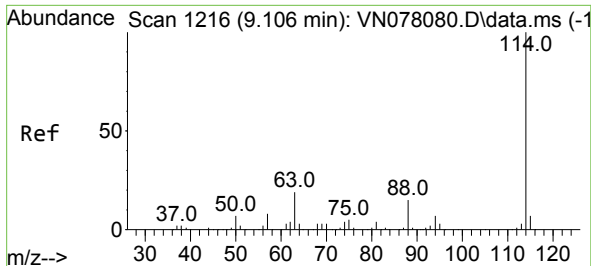
Tgt Ion: 56 Resp: 10002
Ion Ratio Lower Upper
56 100
69 156.9 26.8 40.2#
84 146.6 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.018 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078425.D
Acq: 27 Jun 2023 18:42

Tgt Ion: 65 Resp: 295060
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.6

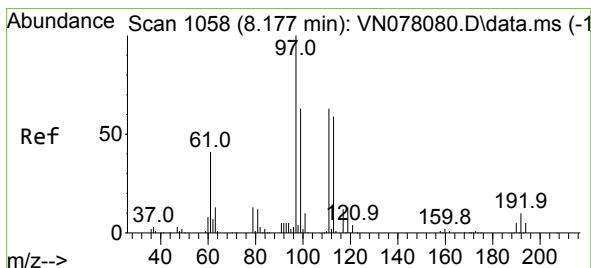
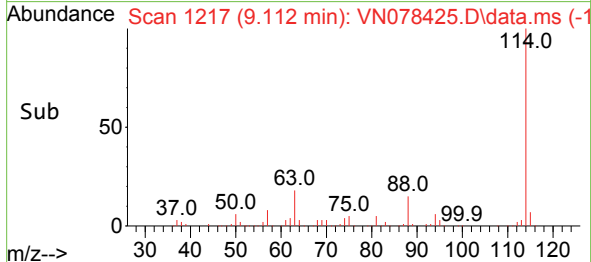
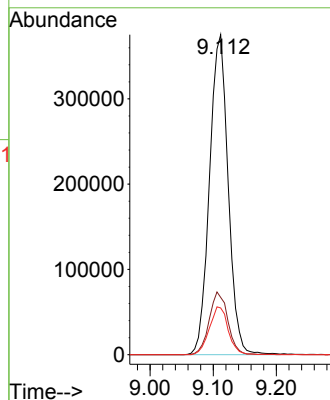
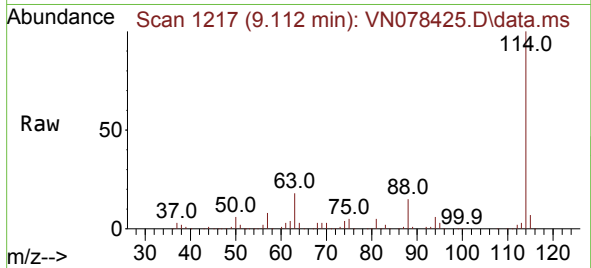




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078425.D
Acq: 27 Jun 2023 18:42

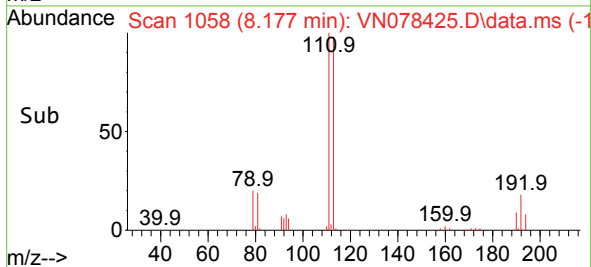
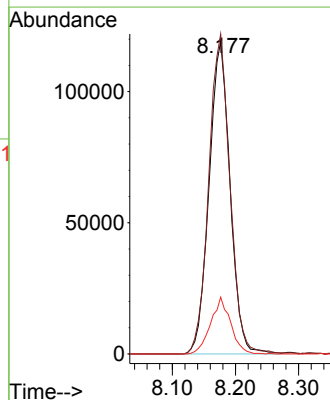
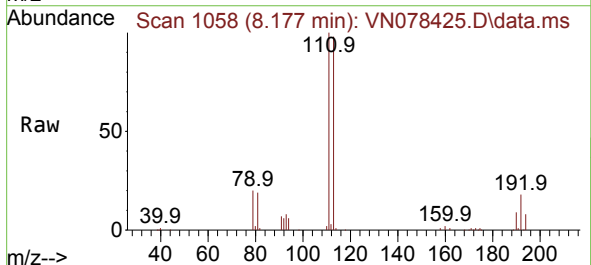
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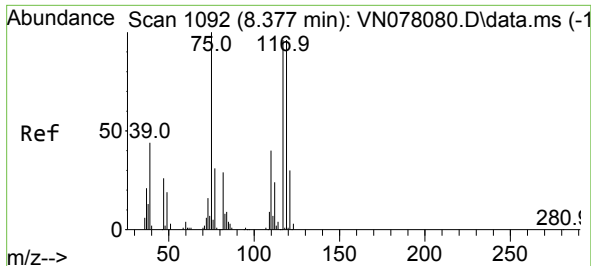
Tgt Ion:114 Resp: 769550
Ion Ratio Lower Upper
114 100
63 17.9 0.0 36.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.490 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078425.D
Acq: 27 Jun 2023 18:42

Tgt Ion:113 Resp: 274866
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 17.3 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.035 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN078425.D

Acq: 27 Jun 2023 18:42

Instrument :

MSVOA_N

ClientSampleId :

DUP-01DL

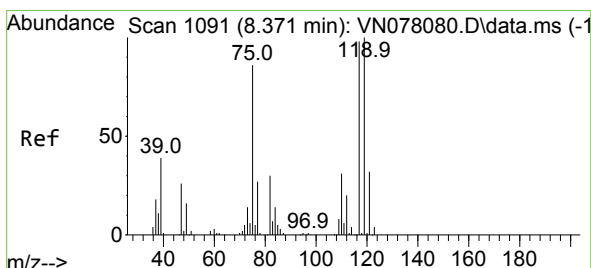
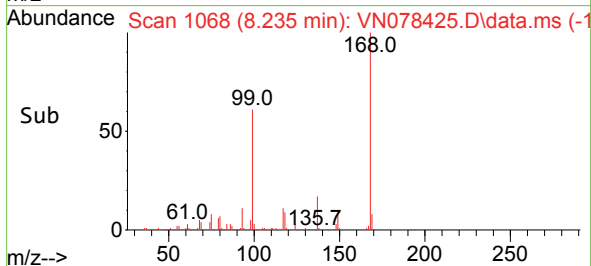
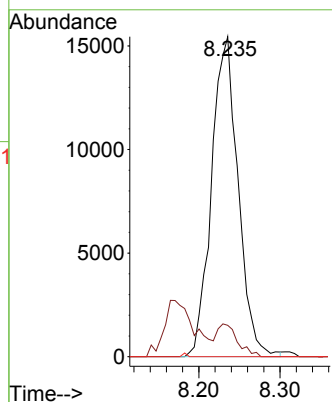
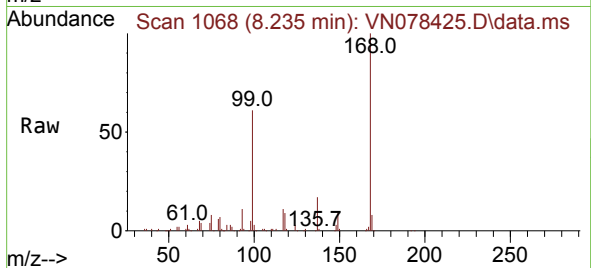
Tgt Ion: 75 Resp: 35141

Ion Ratio Lower Upper

75 100

110 7.7 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.221 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078425.D

Acq: 27 Jun 2023 18:42

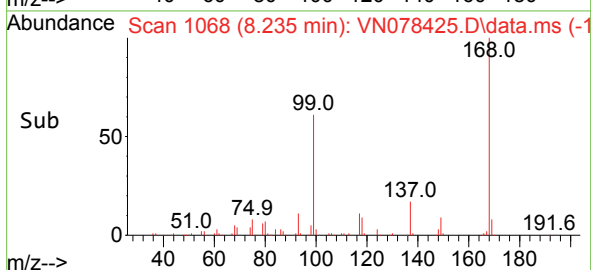
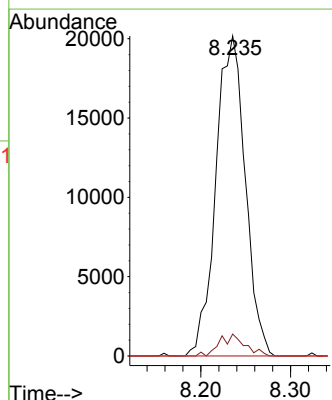
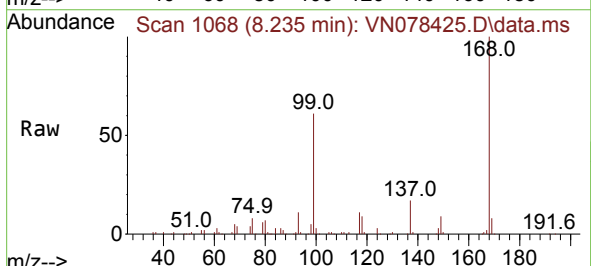
Tgt Ion: 117 Resp: 45846

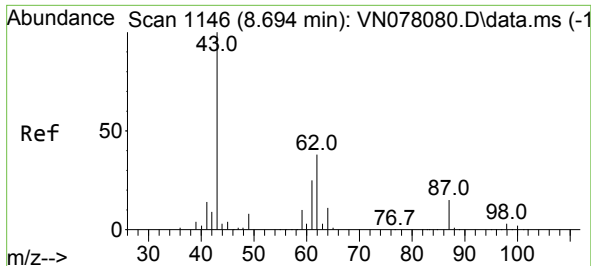
Ion Ratio Lower Upper

117 100

119 6.8 77.3 115.9#

121 0.0 23.3 34.9#





#43

Isopropyl Acetate

Concen: 0.412 ug/l

RT: 8.735 min Scan# 1153

Delta R.T. 0.041 min

Lab File: VN078425.D

Acq: 27 Jun 2023 18:42

Instrument :

MSVOA_N

ClientSampleId :

DUP-01DL

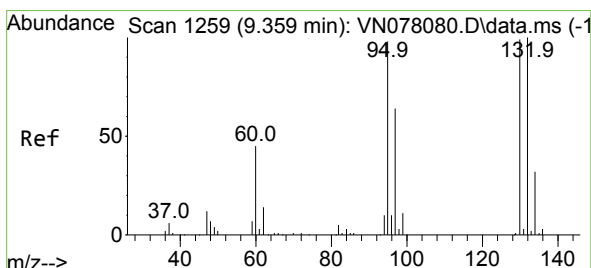
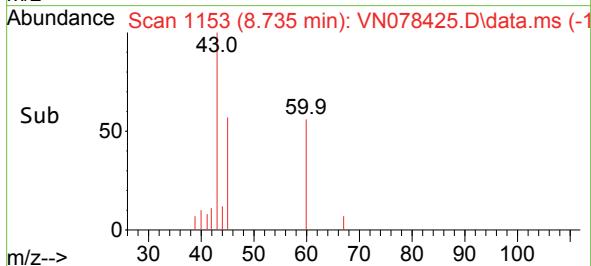
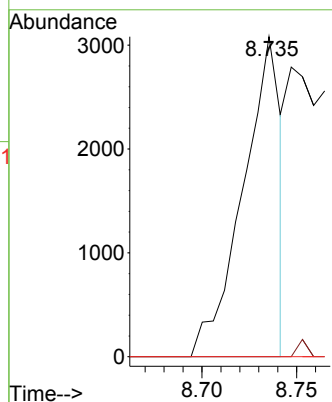
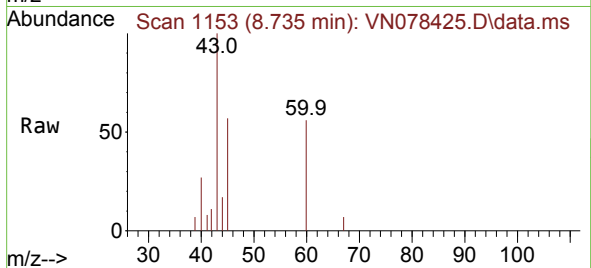
Tgt Ion: 43 Resp: 4297

Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#



#44

Trichloroethene

Concen: 0.259 ug/l

RT: 9.371 min Scan# 1261

Delta R.T. 0.012 min

Lab File: VN078425.D

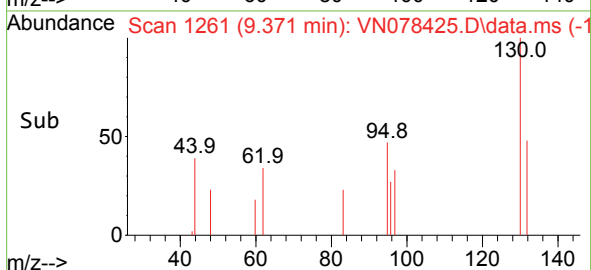
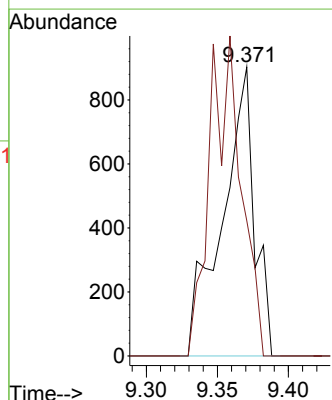
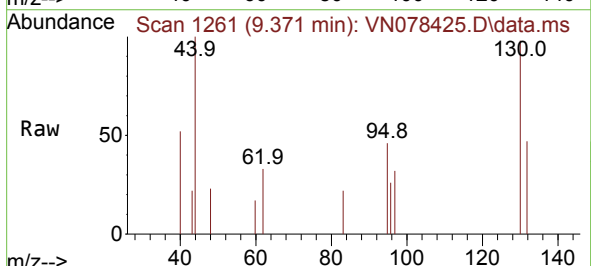
Acq: 27 Jun 2023 18:42

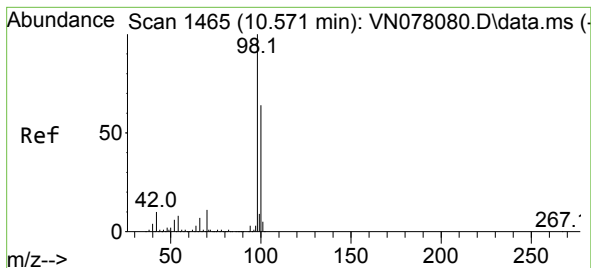
Tgt Ion:130 Resp: 1423

Ion Ratio Lower Upper

130 100

95 46.8 0.0 204.6





#50

Toluene-d8

Concen: 48.061 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078425.D

Acq: 27 Jun 2023 18:42

Instrument :

MSVOA_N

ClientSampleId :

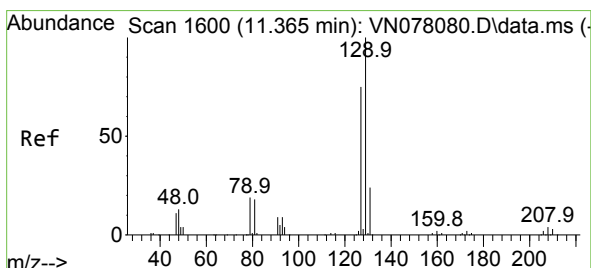
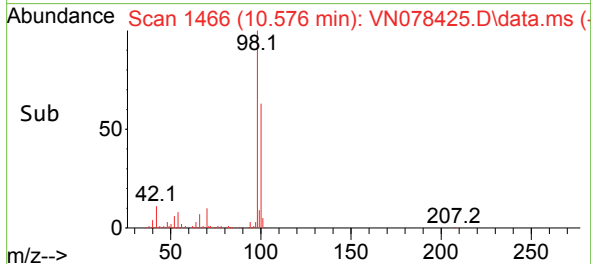
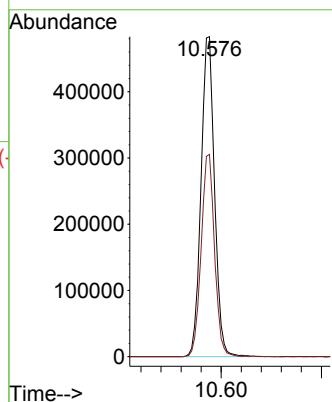
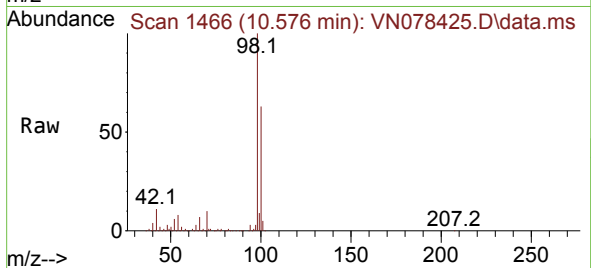
DUP-01DL

Tgt Ion: 98 Resp: 901522

Ion Ratio Lower Upper

98 100

100 62.9 52.0 78.0



#60

Dibromochloromethane

Concen: 25.447 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. -0.253 min

Lab File: VN078425.D

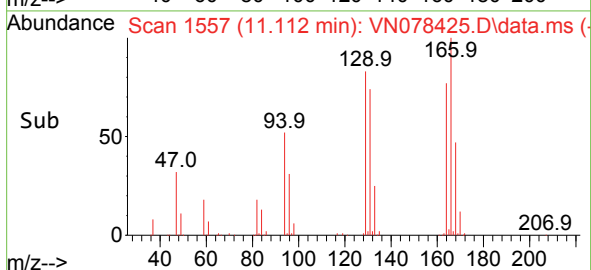
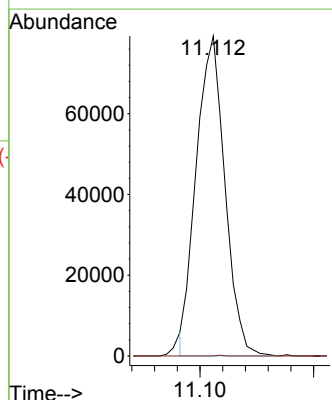
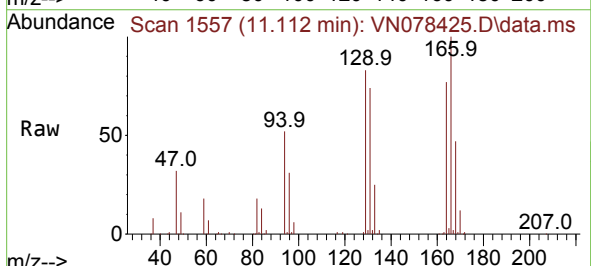
Acq: 27 Jun 2023 18:42

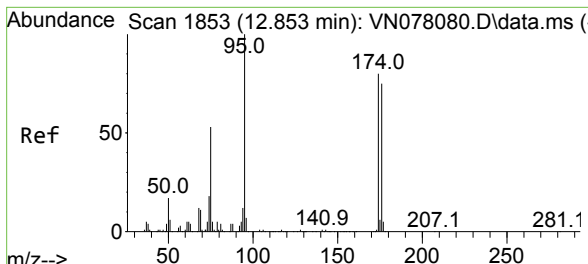
Tgt Ion:129 Resp: 138574

Ion Ratio Lower Upper

129 100

127 0.1 38.6 116.0#

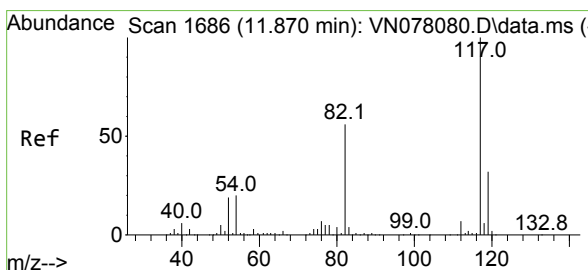
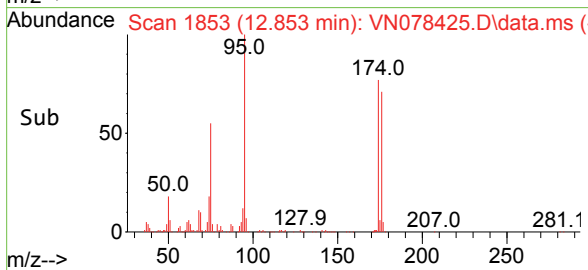
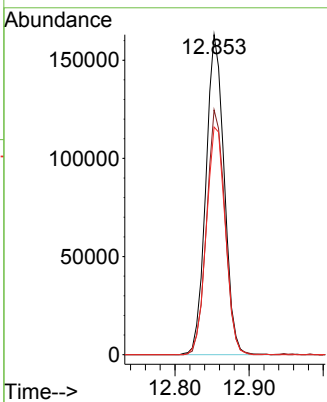
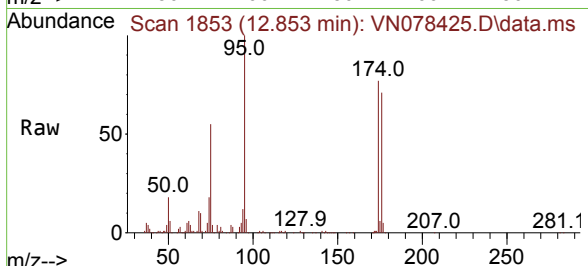




#62
 4-Bromofluorobenzene
 Concen: 47.828 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN078425.D
 Acq: 27 Jun 2023 18:42

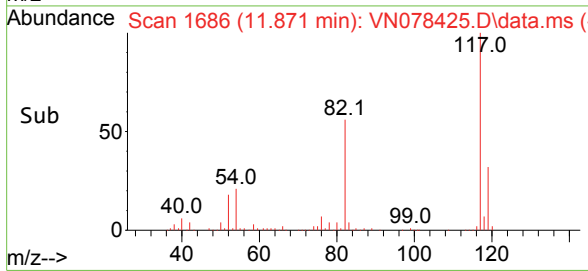
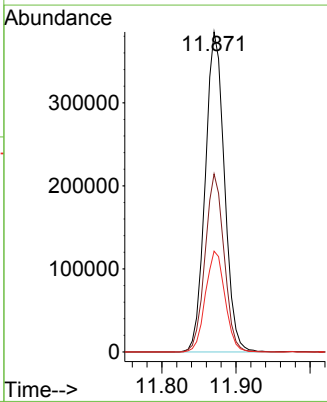
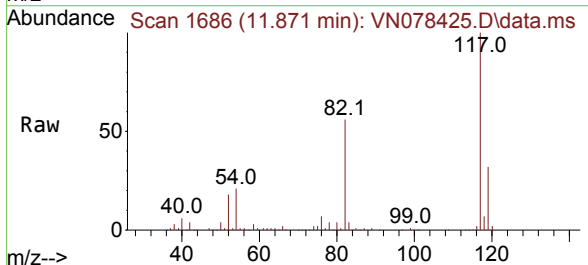
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-01DL

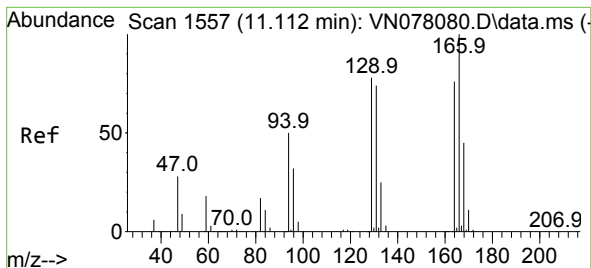
Tgt Ion:	95	Resp:	278902
Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	143.8
176	74.3	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN078425.D
 Acq: 27 Jun 2023 18:42

Tgt Ion:	117	Resp:	692136
Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.0	66.0
119	31.5	25.6	38.4





#64

Tetrachloroethene

Concen: 29.815 ug/l

RT: 11.106 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078425.D

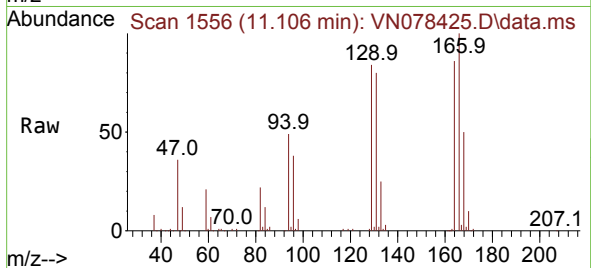
Acq: 27 Jun 2023 18:42

Instrument :

MSVOA_N

ClientSampleId :

DUP-01DL



Tgt Ion:164 Resp: 137668

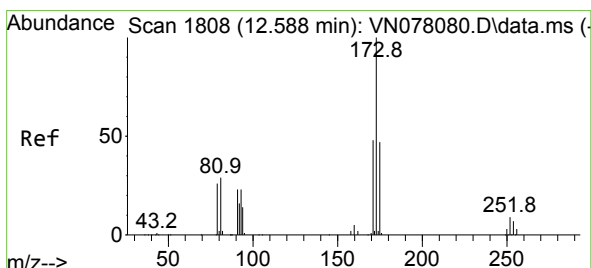
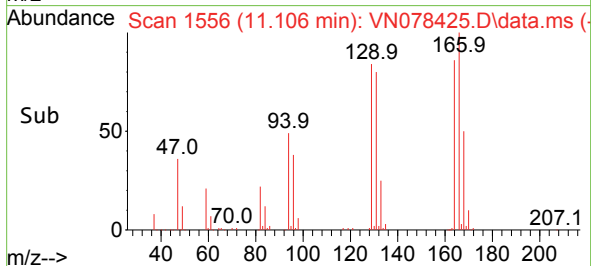
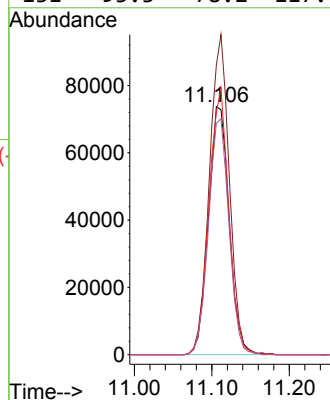
Ion Ratio Lower Upper

164 100

166 116.8 101.4 152.0

129 97.6 82.4 123.6

131 93.3 78.2 117.4



#71

Bromoform

Concen: 0.777 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.265 min

Lab File: VN078425.D

Acq: 27 Jun 2023 18:42

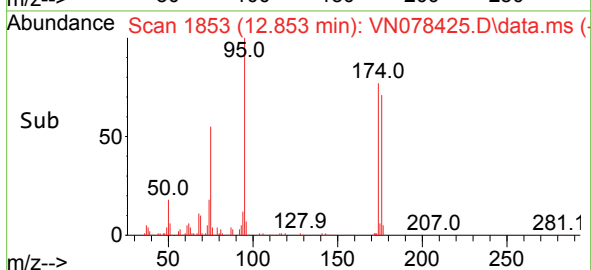
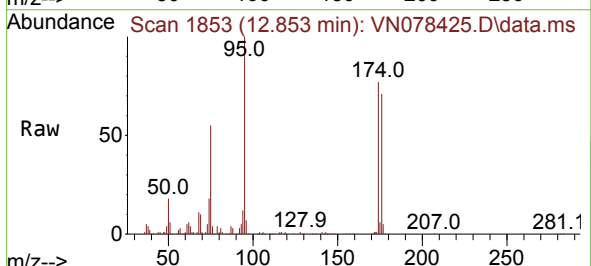
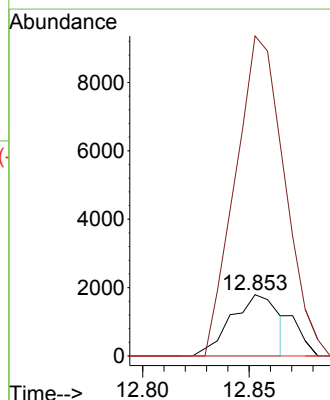
Tgt Ion:173 Resp: 2735

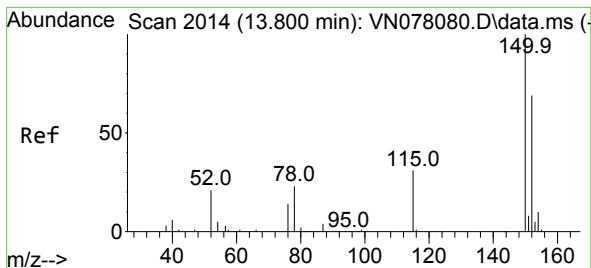
Ion Ratio Lower Upper

173 100

175 481.4 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# 2014

Delta R.T. -0.006 min

Lab File: VN078425.D

Acq: 27 Jun 2023 18:42

Instrument :

MSVOA_N

ClientSampleId :

DUP-01DL

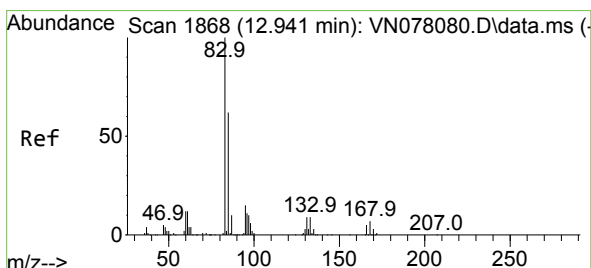
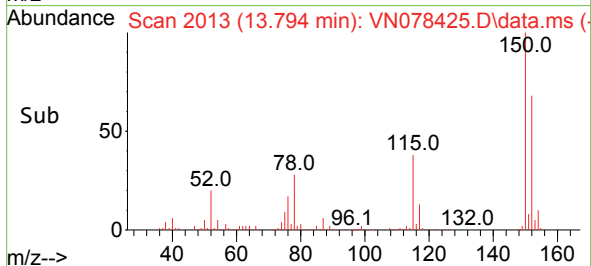
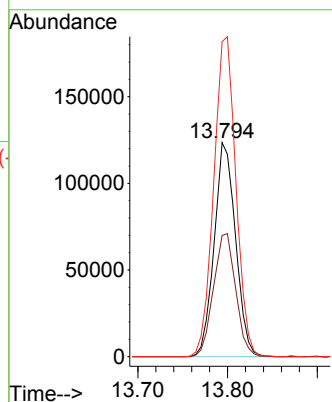
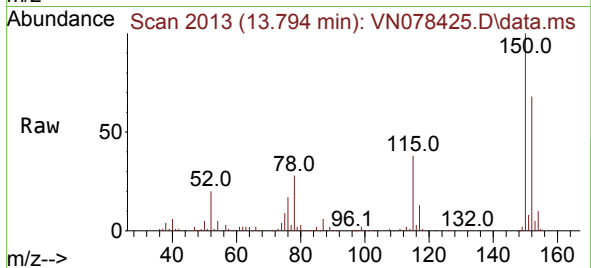
Tgt Ion:152 Resp: 204608

Ion Ratio Lower Upper

152 100

115 59.6 32.3 96.8

150 154.6 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: VN078425.D

Acq: 27 Jun 2023 18:42

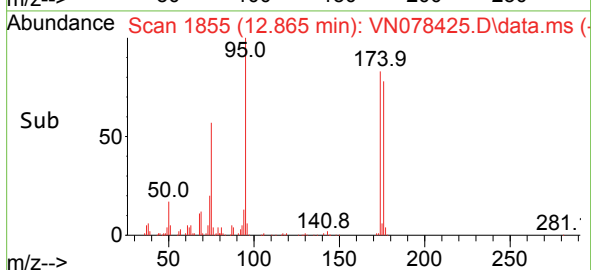
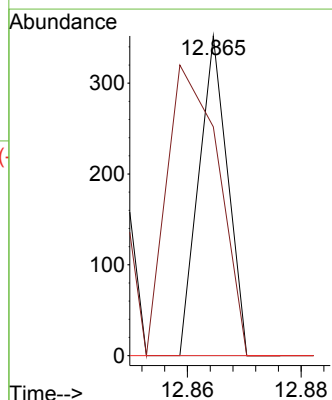
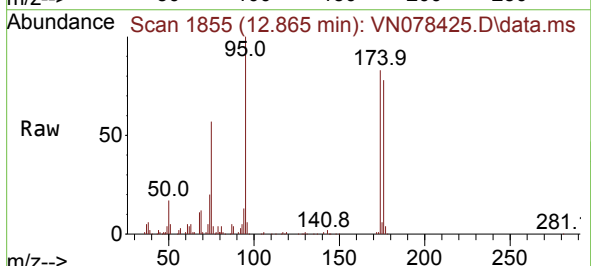
Tgt Ion: 83 Resp: 124

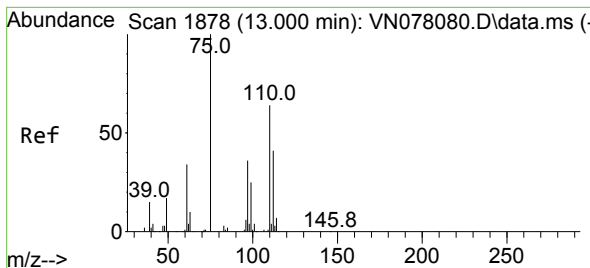
Ion Ratio Lower Upper

83 100

131 162.9 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 31.290 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078425.D

Acq: 27 Jun 2023 18:42

Instrument :

MSVOA_N

ClientSampleId :

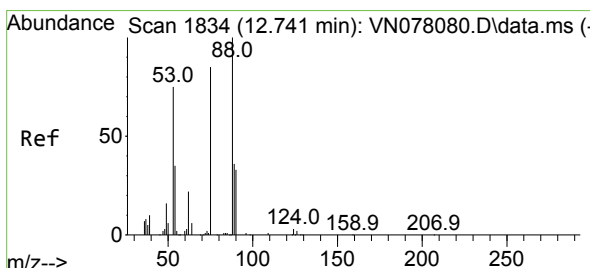
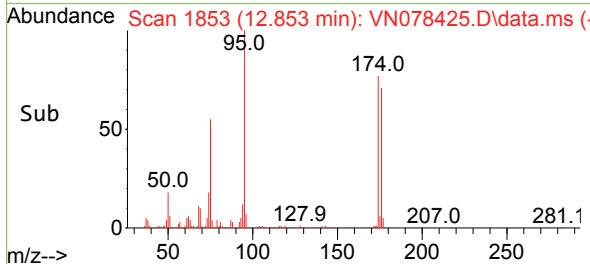
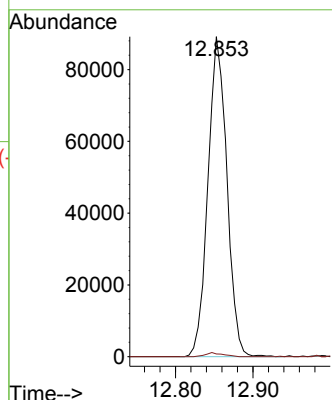
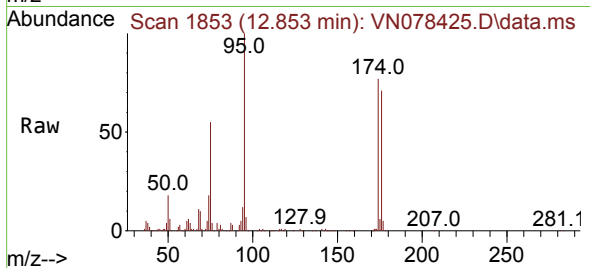
DUP-01DL

Tgt Ion: 75 Resp: 151351

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.133 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078425.D

Acq: 27 Jun 2023 18:42

Tgt Ion: 75 Resp: 151351

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

