

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN078004.D
 Acq On : 31 May 2023 19:46
 Operator : JC\MD
 Sample : 02973-11DL 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 INTERCEPTOR-SUMP-20230526DL

Quant Time: Jun 01 01:58:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

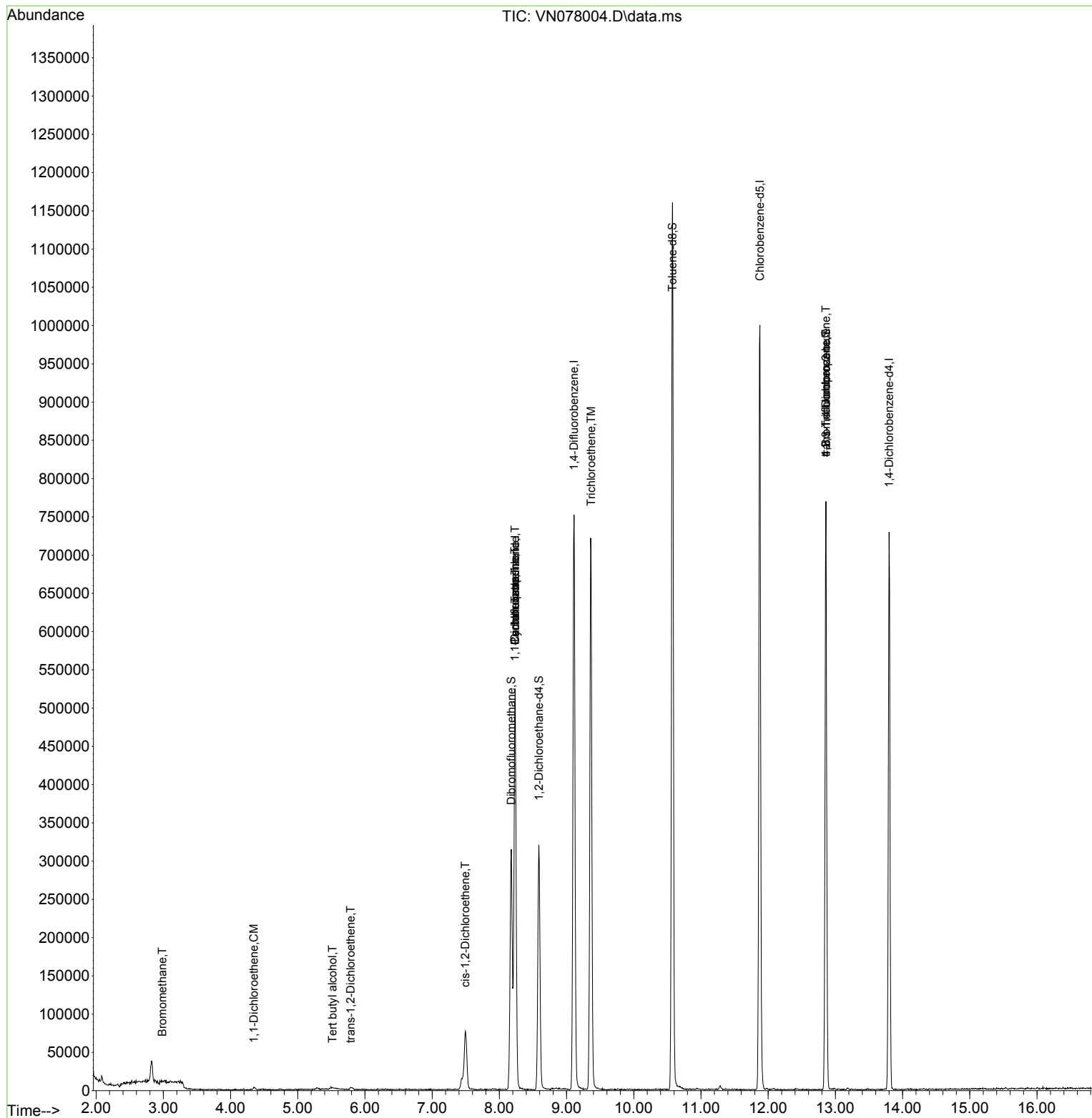
Internal Standards						
1) Pentafluorobenzene	8.235	168	370099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	681613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	604562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	193766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	264335	47.734	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.460%
35) Dibromofluoromethane	8.177	113	224311	50.467	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.940%
50) Toluene-d8	10.576	98	849348	49.646	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.300%
62) 4-Bromofluorobenzene	12.859	95	274203	45.381	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.760%
Target Compounds						Qvalue
3) Chloromethane	2.371	50	966	Below Cal		89
5) Bromomethane	2.983	94	2130	0.542 ug/l		94
11) Tert butyl alcohol	5.518	59	1413	1.849 ug/l #		72
12) 1,1-Dichloroethene	4.347	96	1435	0.369 ug/l #		58
13) Acrolein	4.183	56	80	Below Cal #		1
20) Methylene Chloride	5.289	84	1652	Below Cal #		77
21) trans-1,2-Dichloroethene	5.789	96	1169	0.267 ug/l #		81
27) cis-1,2-Dichloroethene	7.494	96	47332	9.028 ug/l		96
31) Cyclohexane	8.235	56	8496	1.129 ug/l #		27
36) 1,1-Dichloropropene	8.230	75	31248	4.807 ug/l #		48
38) Carbon Tetrachloride	8.235	117	39755	6.056 ug/l #		15
44) Trichloroethene	9.365	130	259653	53.452 ug/l		99
76) 1,2,3-Trichloropropane	12.859	75	145560	29.996 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.859	75	145560	95.884 ug/l #		15

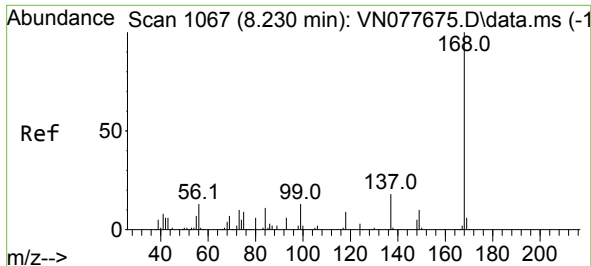
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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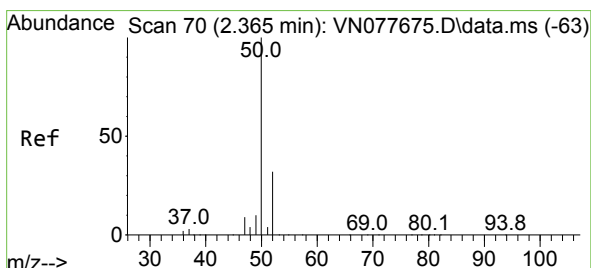
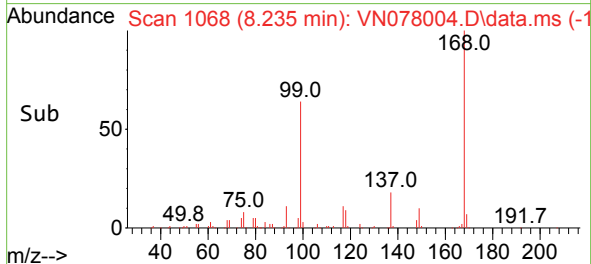
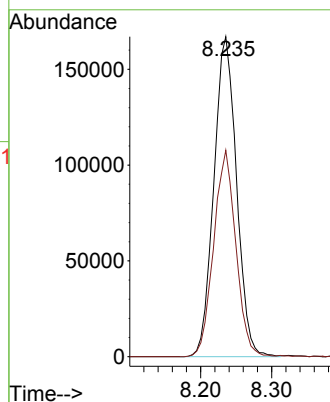
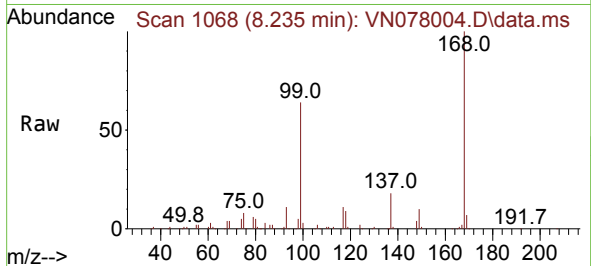




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078004.D
Acq: 31 May 2023 19:46

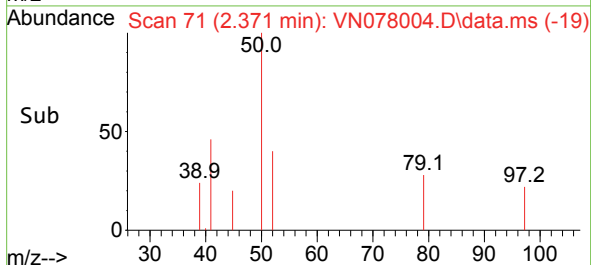
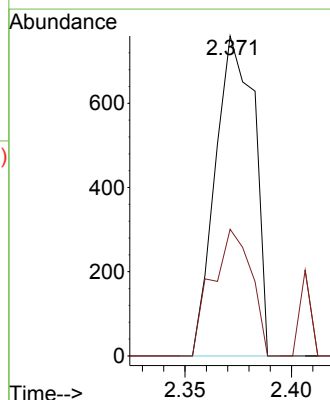
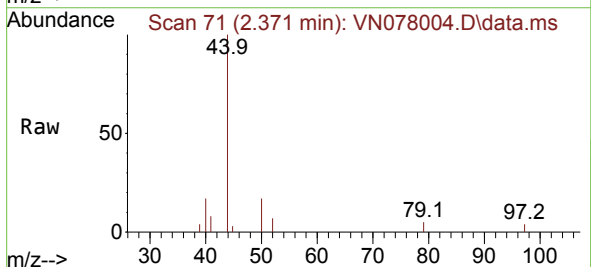
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20230526DL

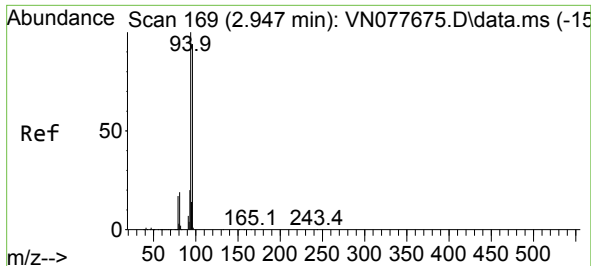
Tgt Ion:168 Resp: 370099
Ion Ratio Lower Upper
168 100
99 64.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078004.D
Acq: 31 May 2023 19:46

Tgt Ion: 50 Resp: 966
Ion Ratio Lower Upper
50 100
52 39.6 26.5 39.7

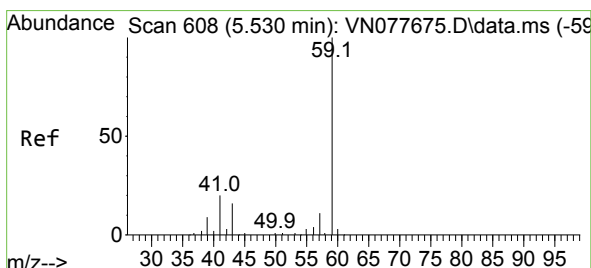
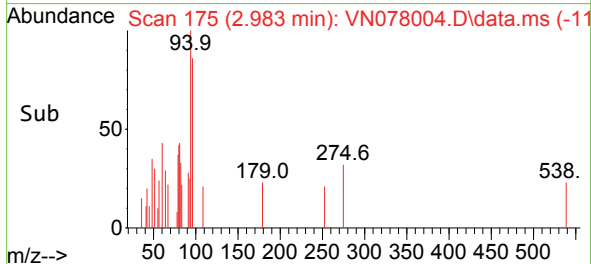
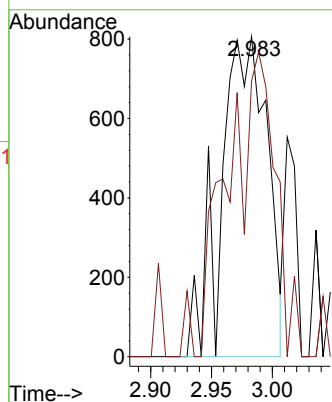
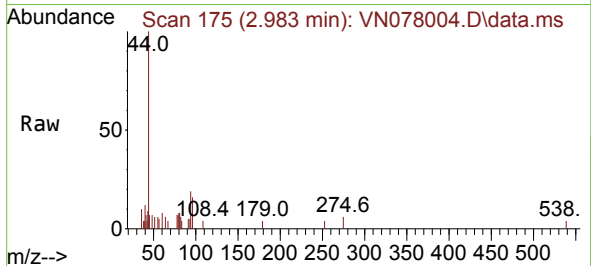




#5
Bromomethane
Concen: 0.542 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN078004.D
Acq: 31 May 2023 19:46

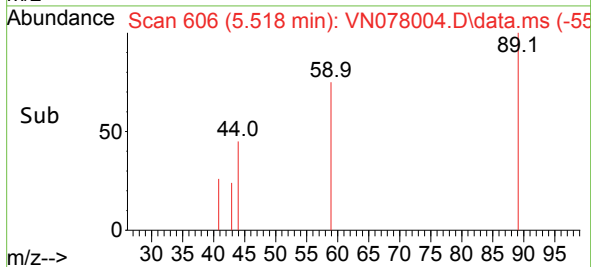
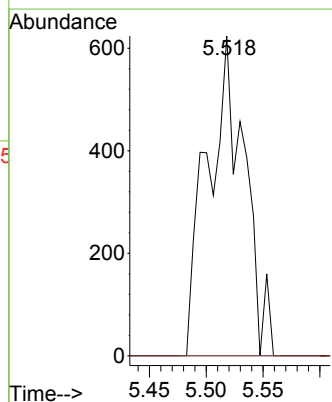
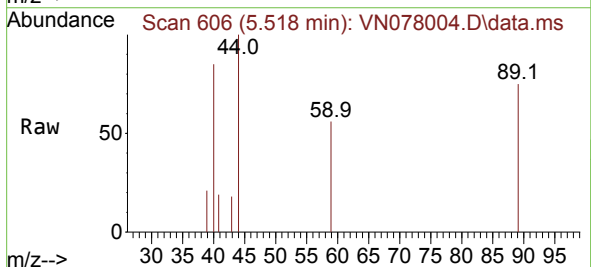
Instrument :
MSVOA_N
ClientSampleId :
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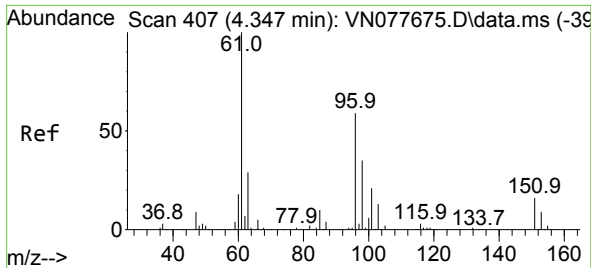
Tgt Ion: 94 Resp: 2130
Ion Ratio Lower Upper
94 100
96 86.1 73.1 109.7



#11
Tert butyl alcohol
Concen: 1.849 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN078004.D
Acq: 31 May 2023 19:46

Tgt Ion: 59 Resp: 1413
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

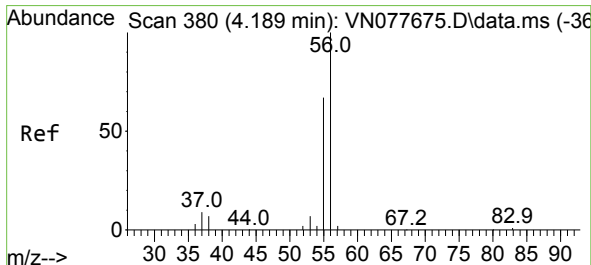
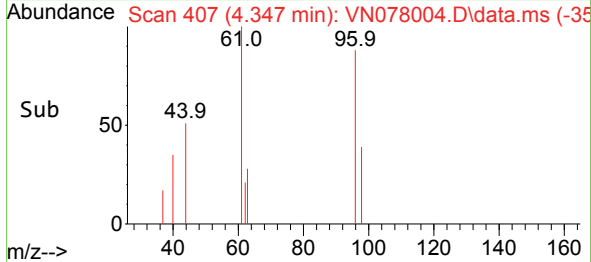
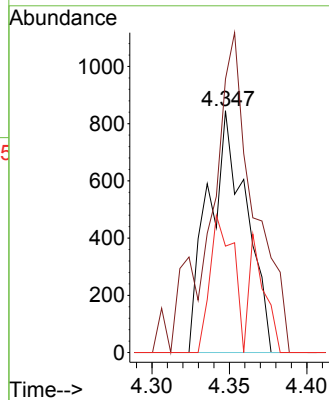
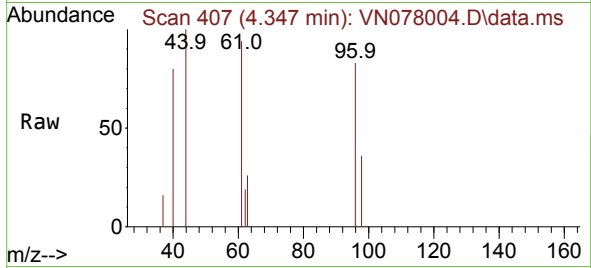




#12
1,1-Dichloroethene
Concen: 0.369 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.000 min
Lab File: VN078004.D
Acq: 31 May 2023 19:46

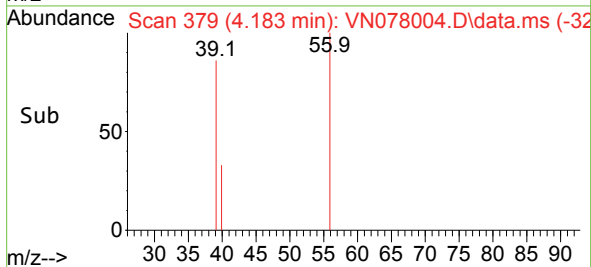
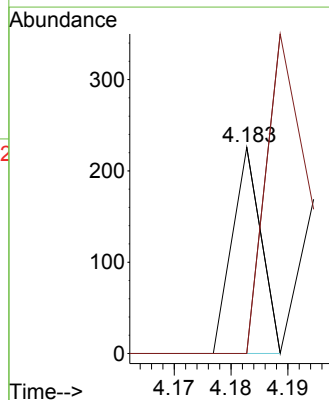
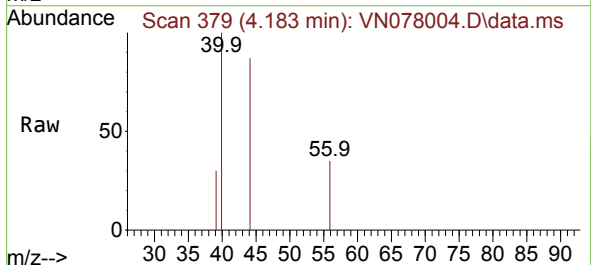
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20230526DL

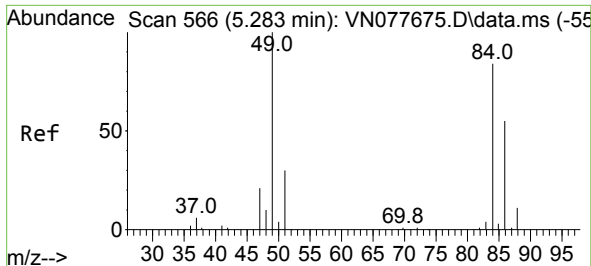
Tgt Ion: 96 Resp: 1435
Ion Ratio Lower Upper
96 100
61 79.9 112.7 169.1#
98 44.0 51.2 76.8#



#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 379
Delta R.T. -0.006 min
Lab File: VN078004.D
Acq: 31 May 2023 19:46

Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 223.7 54.5 81.7#



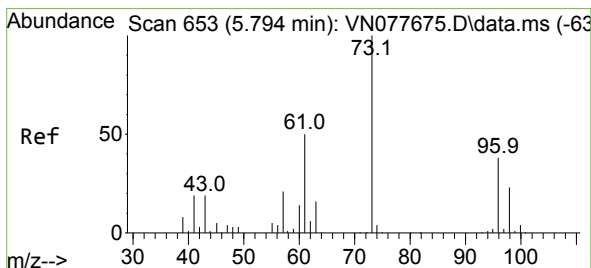
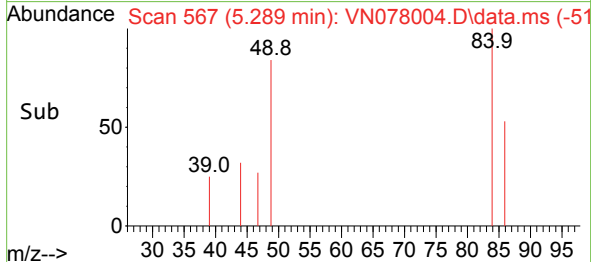
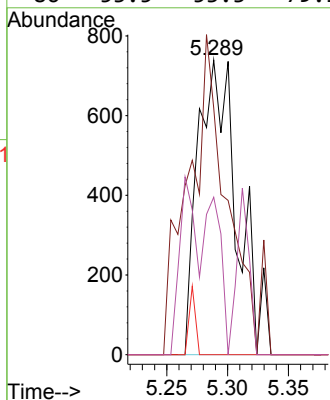
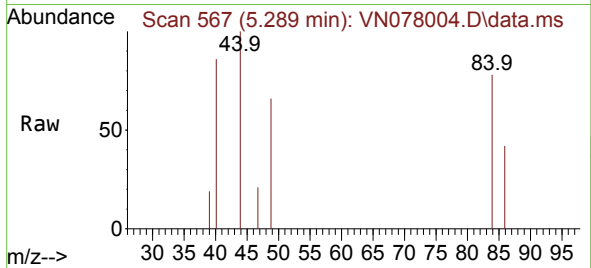


#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078004.D
Acq: 31 May 2023 19:46

Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20230526DL

Tgt Ion: 84 Resp: 1652

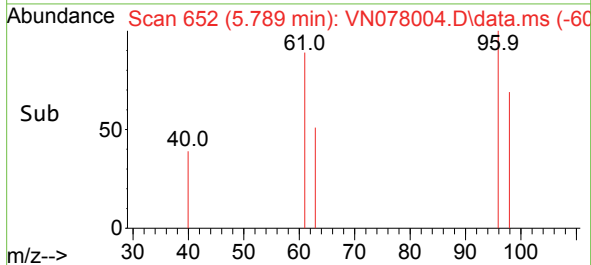
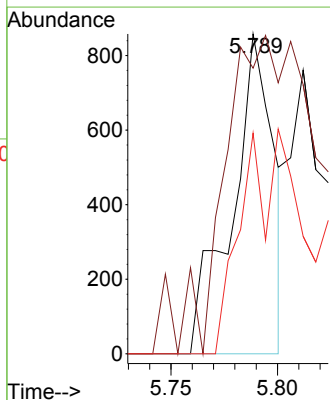
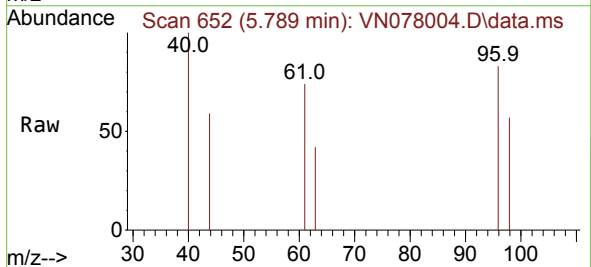
Ion	Ratio	Lower	Upper
84	100		
49	83.8	79.7	119.5
51	0.0	25.2	37.8#
86	53.5	53.3	79.9

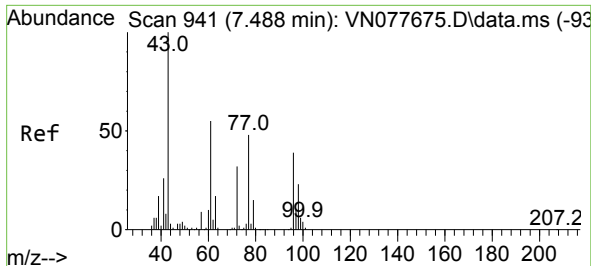


#21
trans-1,2-Dichloroethene
Concen: 0.267 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.005 min
Lab File: VN078004.D
Acq: 31 May 2023 19:46

Tgt Ion: 96 Resp: 1169

Ion	Ratio	Lower	Upper
96	100		
61	89.3	90.1	135.1#
98	69.0	46.4	69.6

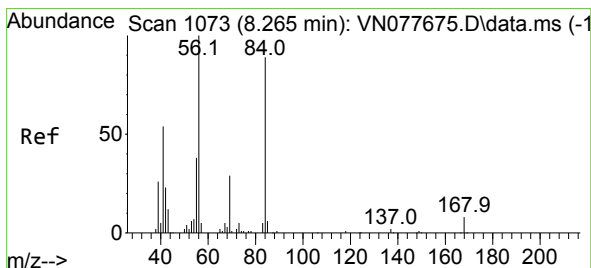
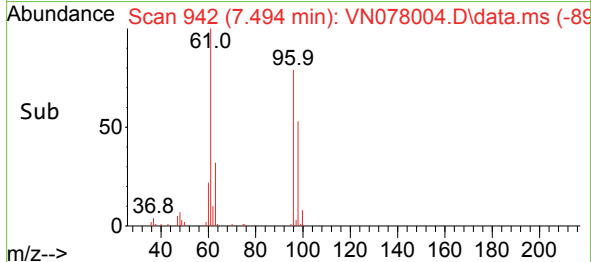
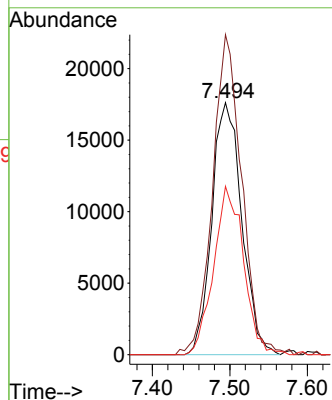
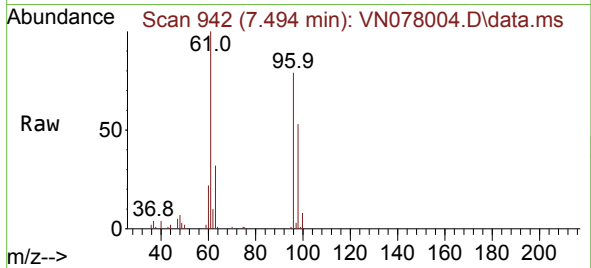




#27
 cis-1,2-Dichloroethene
 Concen: 9.028 ug/l
 RT: 7.494 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN078004.D
 Acq: 31 May 2023 19:46

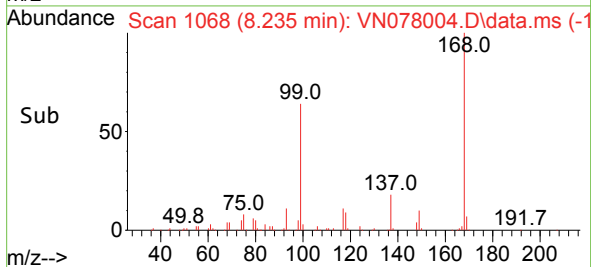
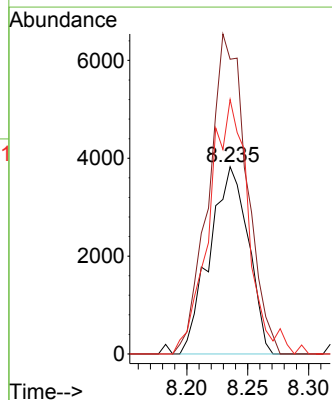
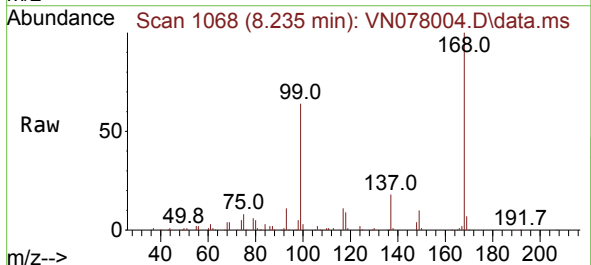
Instrument :
 MSVOA_N
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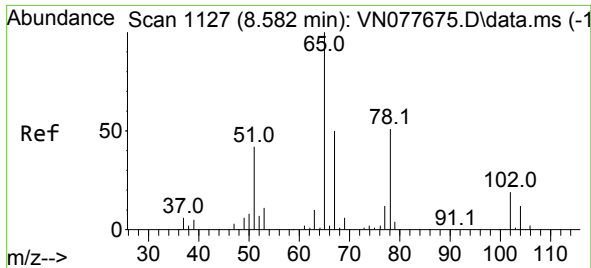
Tgt Ion: 96 Resp: 47332
 Ion Ratio Lower Upper
 96 100
 61 122.9 0.0 255.2
 98 66.6 0.0 128.8



#31
 Cyclohexane
 Concen: 1.129 ug/l
 RT: 8.235 min Scan# 1068
 Delta R.T. -0.030 min
 Lab File: VN078004.D
 Acq: 31 May 2023 19:46

Tgt Ion: 56 Resp: 8496
 Ion Ratio Lower Upper
 56 100
 69 157.5 26.8 40.2#
 84 128.4 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 47.734 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078004.D

Acq: 31 May 2023 19:46

Instrument :

MSVOA_N

ClientSampleId :

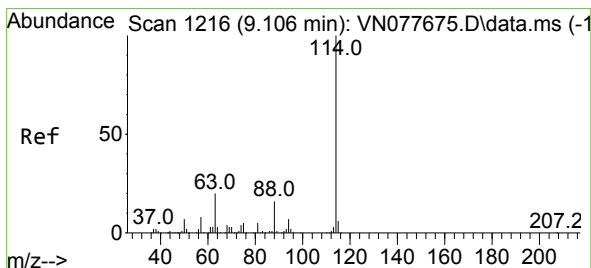
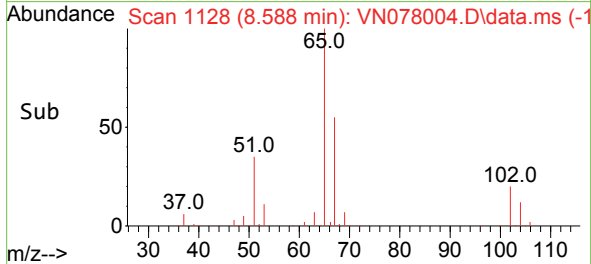
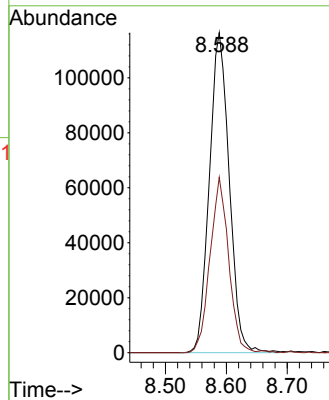
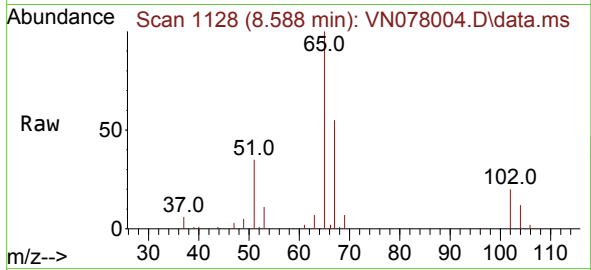
INTERCEPTOR-SUMP-20230526DL

Tgt Ion: 65 Resp: 264335

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078004.D

Acq: 31 May 2023 19:46

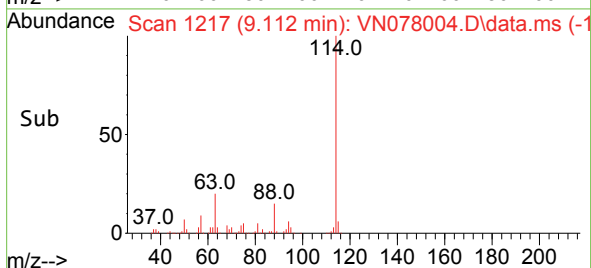
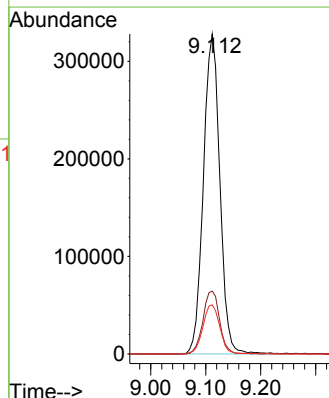
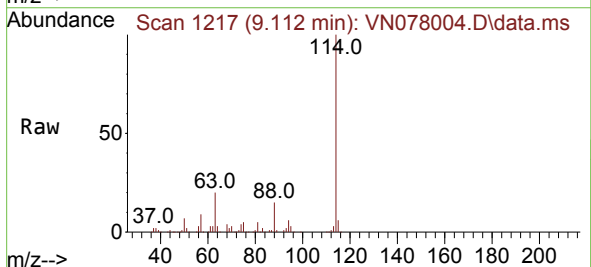
Tgt Ion: 114 Resp: 681613

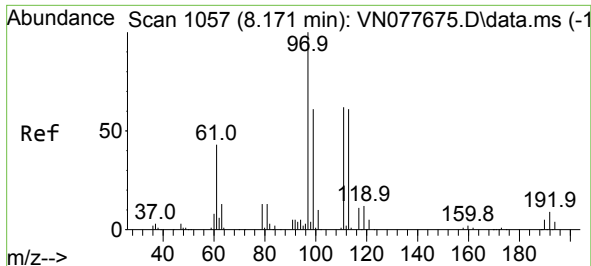
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 15.3 0.0 30.6

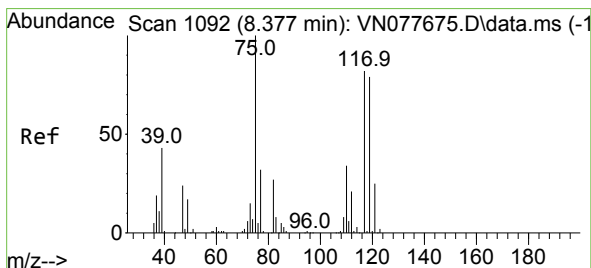
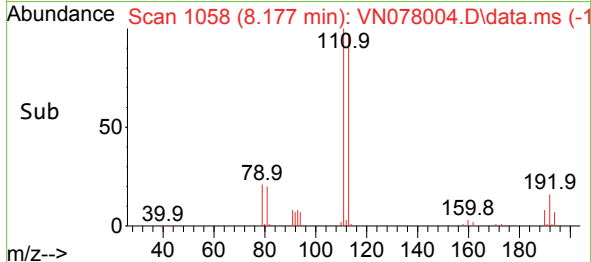
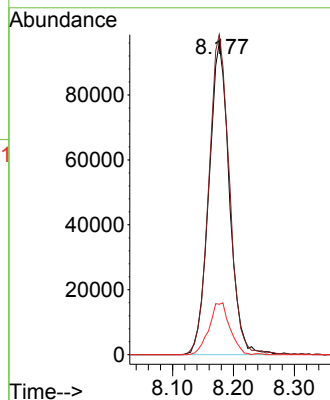
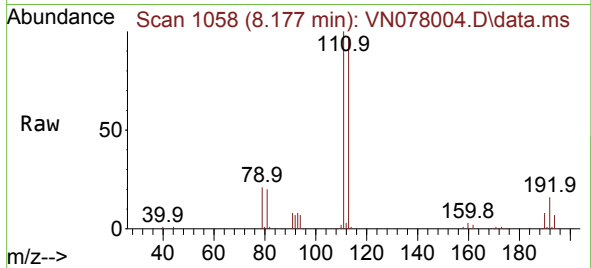




#35
Dibromofluoromethane
Concen: 50.467 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN078004.D
Acq: 31 May 2023 19:46

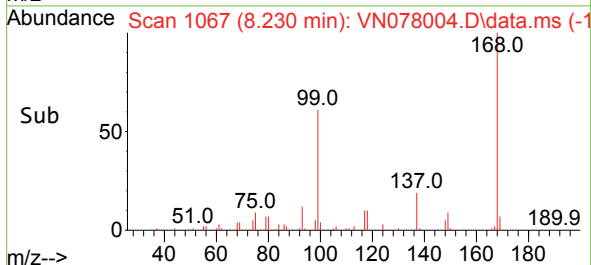
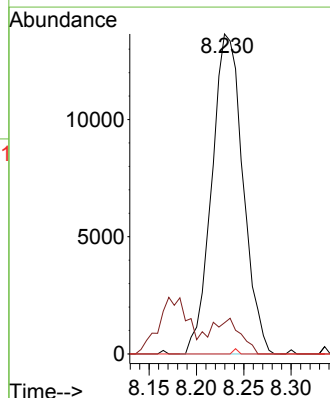
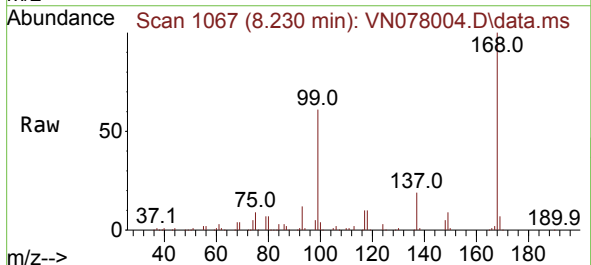
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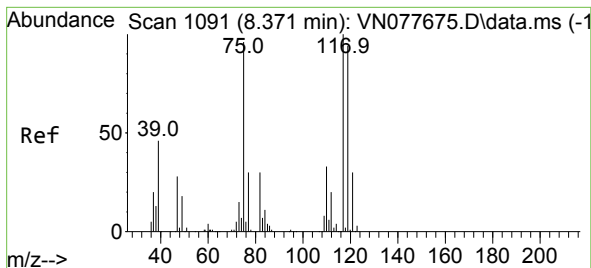
Tgt Ion: 113 Resp: 224311
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 16.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078004.D
Acq: 31 May 2023 19:46

Tgt Ion: 75 Resp: 31248
Ion Ratio Lower Upper
75 100
110 9.2 19.1 57.3#
77 0.3 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.056 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VN078004.D

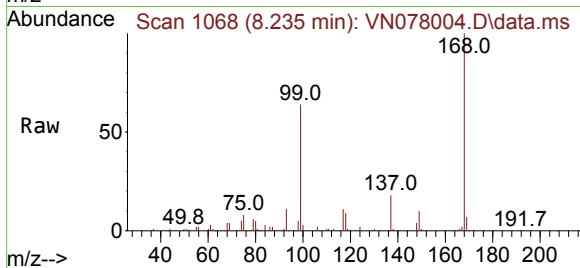
Acq: 31 May 2023 19:46

Instrument :

MSVOA_N

ClientSampleId :

INTERCEPTOR-SUMP-20230526DL



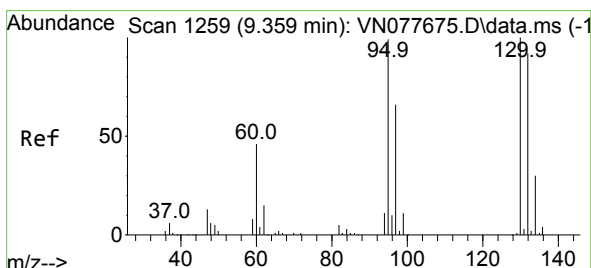
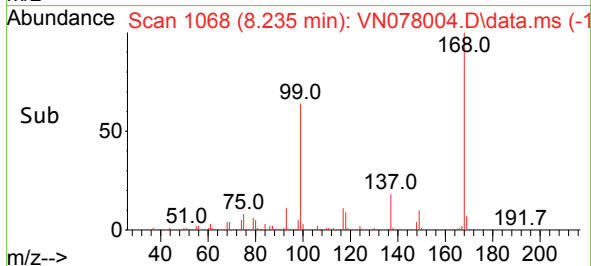
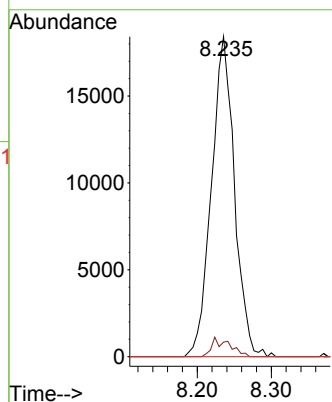
Tgt Ion:117 Resp: 39755

Ion Ratio Lower Upper

117 100

119 4.6 77.3 115.9#

121 0.0 23.3 34.9#



#44

Trichloroethene

Concen: 53.452 ug/l

RT: 9.365 min Scan# 1260

Delta R.T. 0.006 min

Lab File: VN078004.D

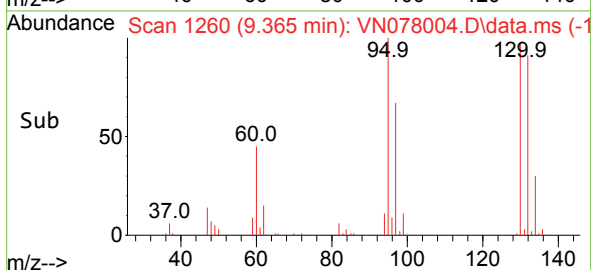
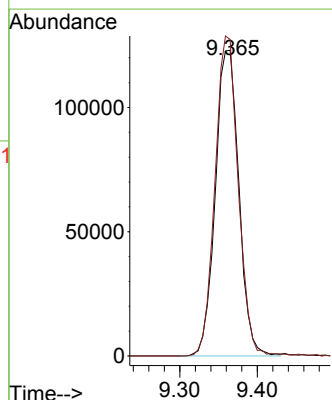
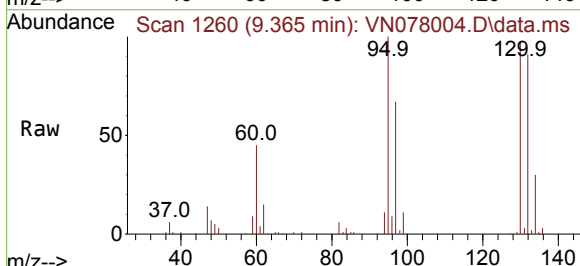
Acq: 31 May 2023 19:46

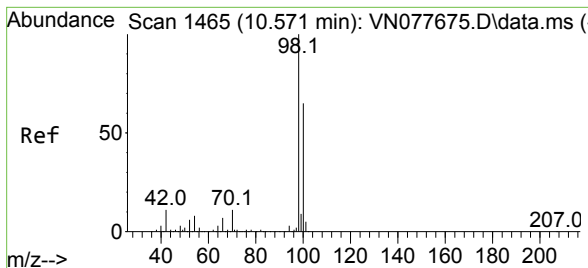
Tgt Ion:130 Resp: 259653

Ion Ratio Lower Upper

130 100

95 103.5 0.0 204.6

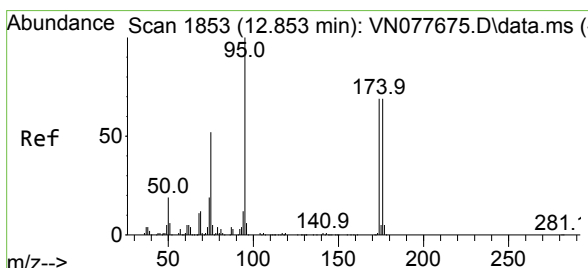
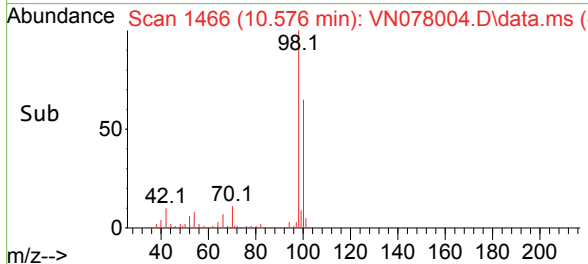
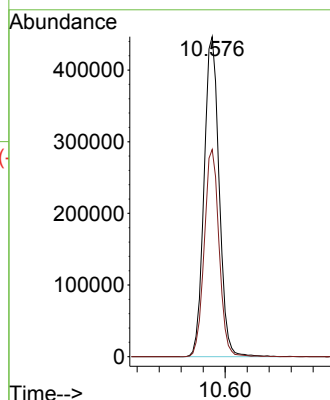
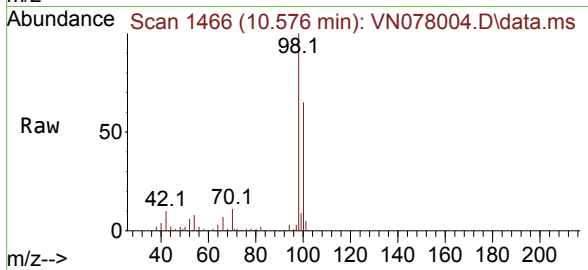




#50
Toluene-d8
Concen: 49.646 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN078004.D
Acq: 31 May 2023 19:46

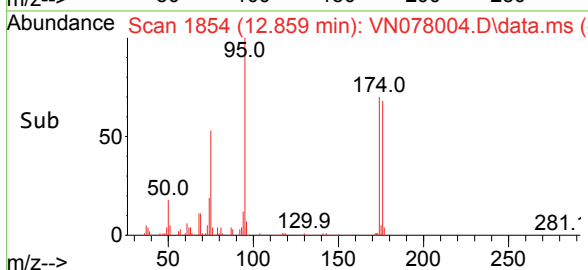
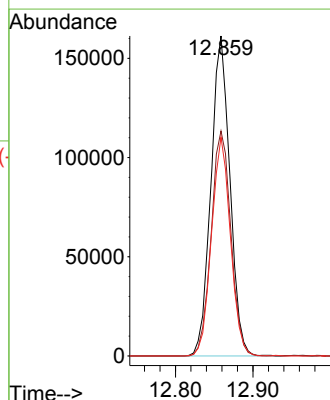
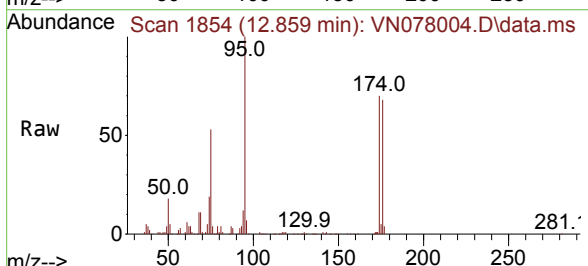
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20230526DL

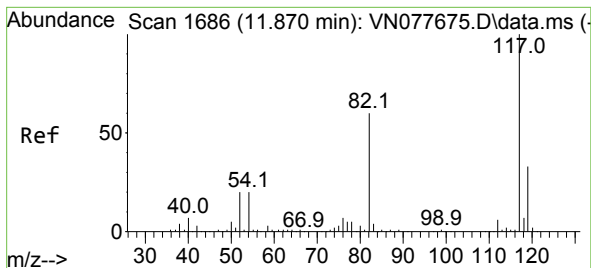
Tgt Ion: 98 Resp: 849348
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.381 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078004.D
Acq: 31 May 2023 19:46

Tgt Ion: 95 Resp: 274203
Ion Ratio Lower Upper
95 100
174 72.9 0.0 143.8
176 68.1 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.876 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078004.D

Acq: 31 May 2023 19:46

Instrument :

MSVOA_N

ClientSampleId :

INTERCEPTOR-SUMP-20230526DL

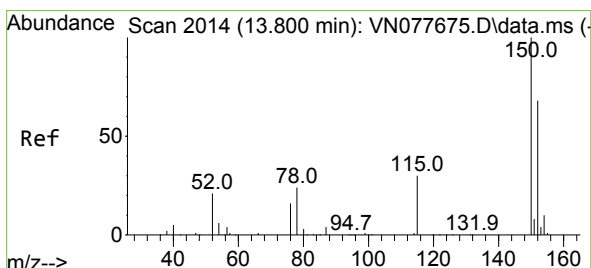
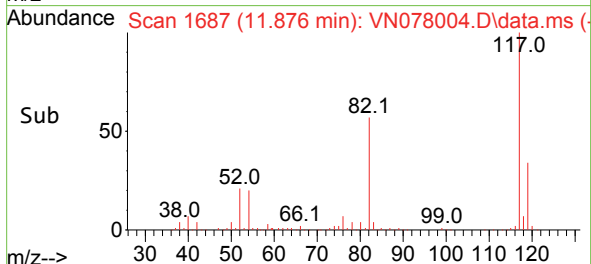
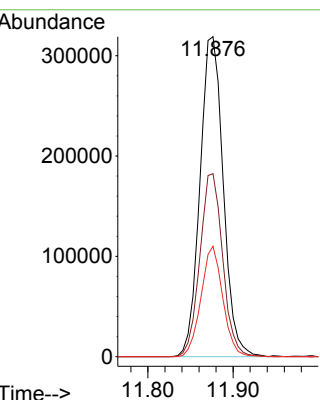
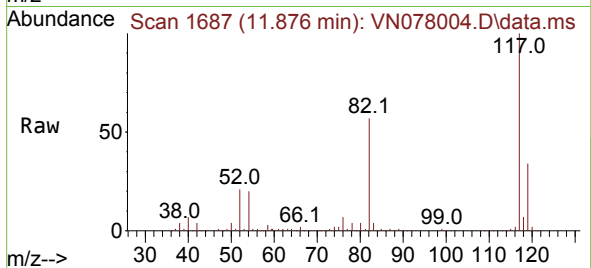
Tgt Ion:117 Resp: 604562

Ion Ratio Lower Upper

117 100

82 57.2 44.0 66.0

119 34.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078004.D

Acq: 31 May 2023 19:46

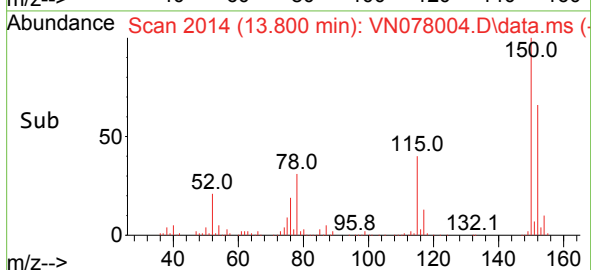
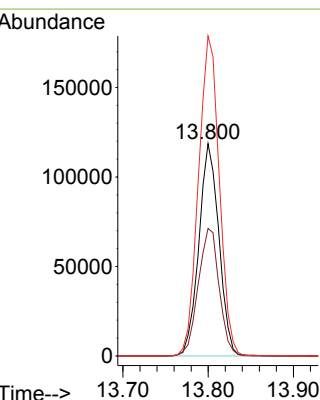
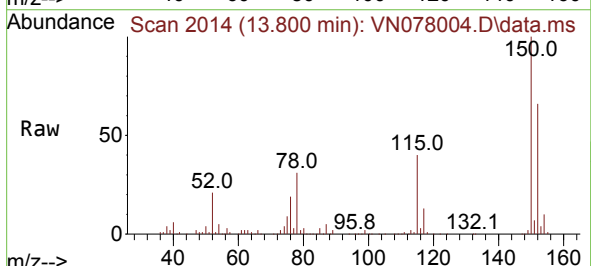
Tgt Ion:152 Resp: 193766

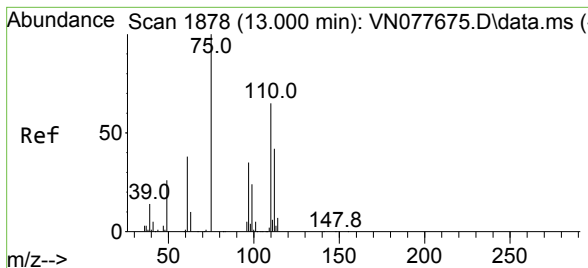
Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 156.7 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 29.996 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078004.D

Acq: 31 May 2023 19:46

Instrument :

MSVOA_N

ClientSampleId :

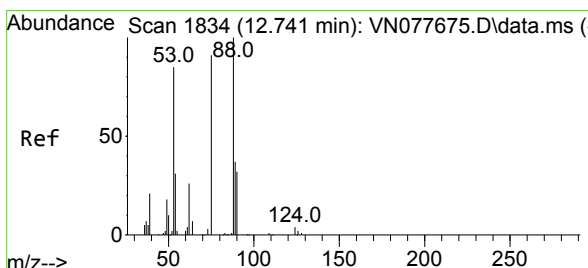
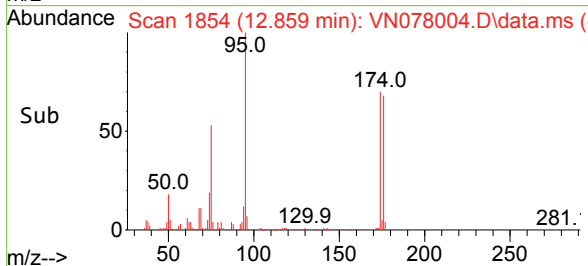
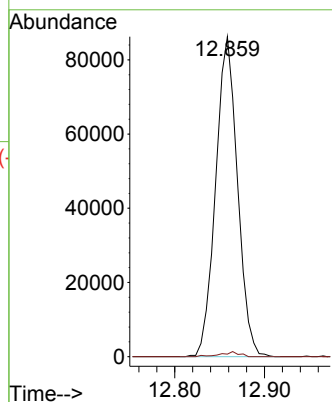
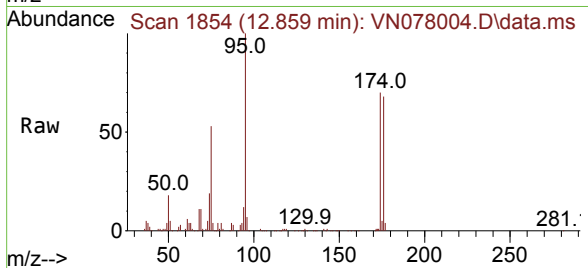
INTERCEPTOR-SUMP-20230526DL

Tgt Ion: 75 Resp: 145560

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.884 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN078004.D

Acq: 31 May 2023 19:46

Tgt Ion: 75 Resp: 145560

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.1 38.8 58.2#

