

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077966.D
 Acq On : 30 May 2023 13:51
 Operator : JC\MD
 Sample : 02973-11 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 INTERCEPTOR-SUMP-20230526

Quant Time: May 31 02:07:01 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)

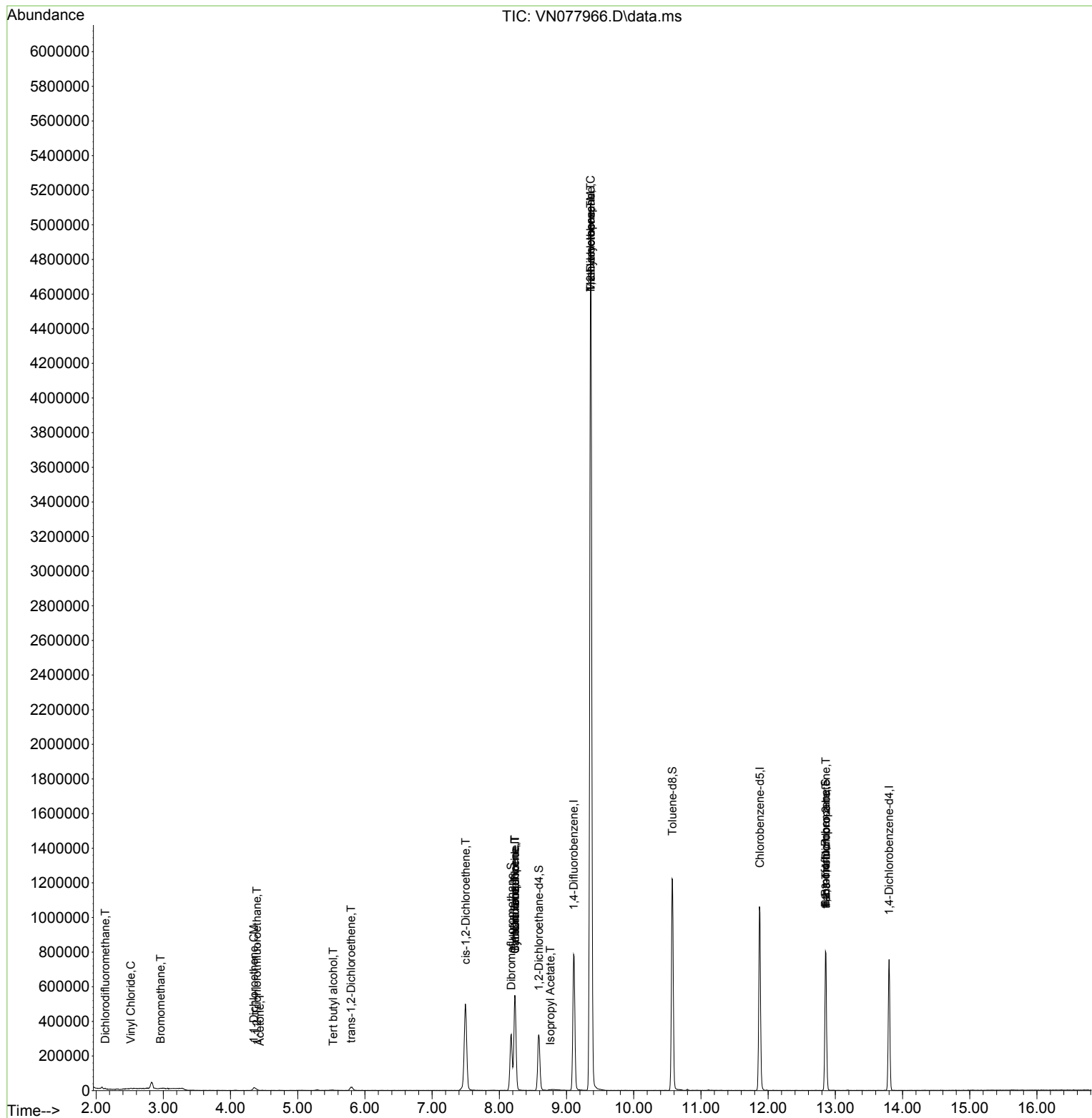
Internal Standards						
1) Pentafluorobenzene	8.230	168	395196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	711833	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	636649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	196735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	268861	45.468	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.940%
35) Dibromofluoromethane	8.177	113	229070	49.350	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.700%
50) Toluene-d8	10.577	98	905670	50.691	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.380%
62) 4-Bromofluorobenzene	12.853	95	295489	46.828	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.660%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	2965	0.659	ug/l	94
3) Chloromethane	2.365	50	1299	Below Cal	#	42
4) Vinyl Chloride	2.518	62	3102	0.547	ug/l #	68
5) Bromomethane	2.959	94	1277	0.304	ug/l #	16
9) 1,1,2-Trichlorotrifluo...	4.395	101	3895	0.891	ug/l #	90
11) Tert butyl alcohol	5.530	59	442	0.542	ug/l #	91
12) 1,1-Dichloroethene	4.348	96	8828	2.124	ug/l #	83
13) Acrolein	4.189	56	96	Below Cal		90
16) Acetone	4.436	43	636	0.342	ug/l #	40
20) Methylene Chloride	5.289	84	2638	Below Cal	#	87
21) trans-1,2-Dichloroethene	5.795	96	12350	2.645	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	302454	54.025	ug/l	98
31) Cyclohexane	8.236	56	9968	1.240	ug/l #	54
36) 1,1-Dichloropropene	8.230	75	35342	5.206	ug/l #	48
38) Carbon Tetrachloride	8.236	117	44477	6.488	ug/l #	15
39) Methylcyclohexane	9.359	83	23613	2.841	ug/l #	1
43) Isopropyl Acetate	8.759	43	3778	0.382	ug/l #	49
44) Trichloroethene	9.359	130	1792652	353.367	ug/l	98
45) 1,2-Dichloropropane	9.359	63	5871	1.149	ug/l #	1
71) Bromoform	12.853	173	1998	0.629	ug/l #	28
76) 1,2,3-Trichloropropane	12.859	75	159169	32.306	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	159169	103.266	ug/l #	15

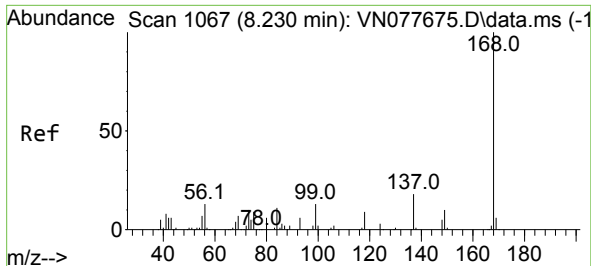
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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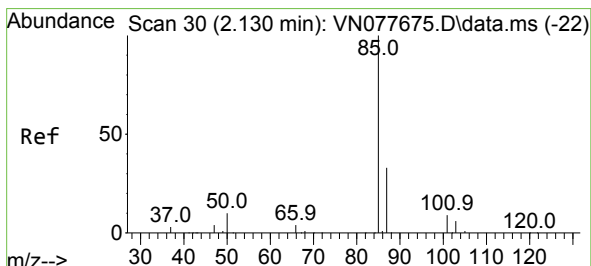
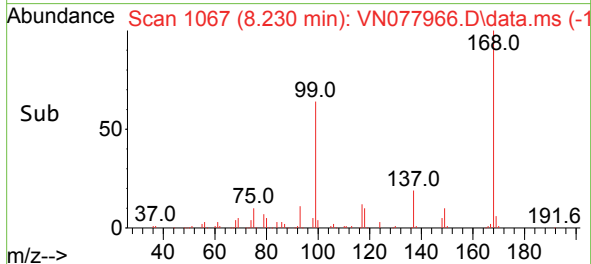
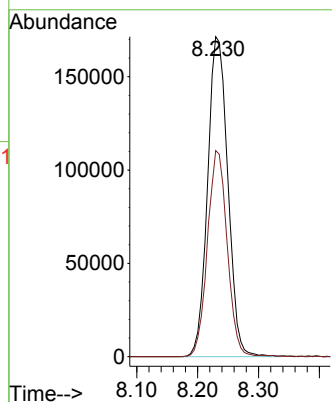
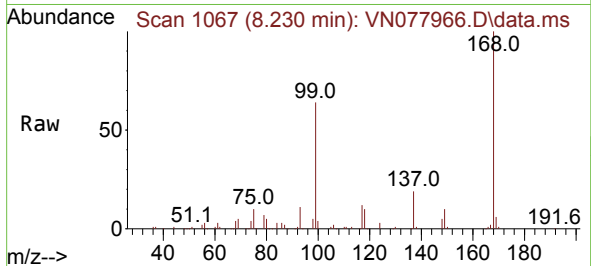




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

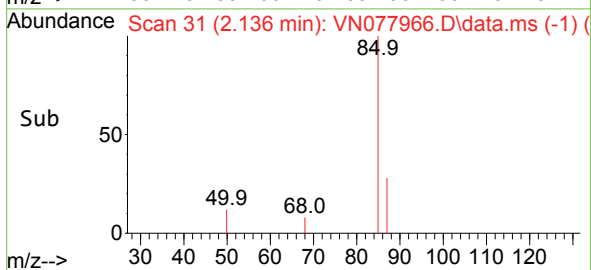
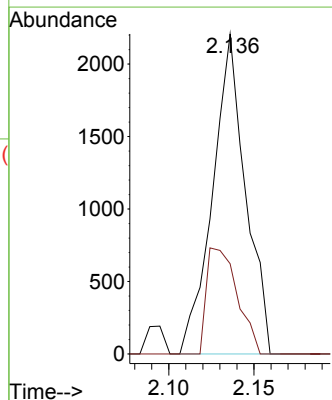
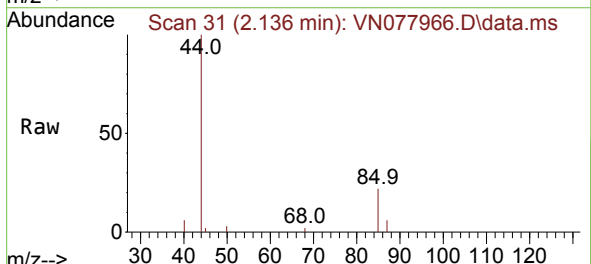
Instrument :
MSVOA_N
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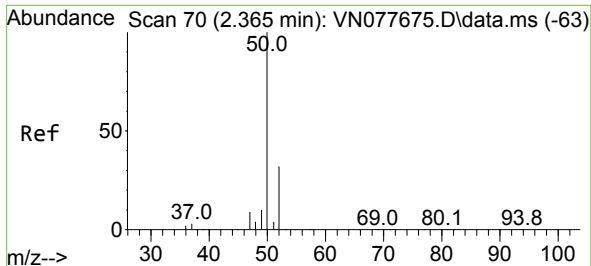
Tgt Ion:168 Resp: 395196
Ion Ratio Lower Upper
168 100
99 64.4 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.659 ug/l
RT: 2.136 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

Tgt Ion: 85 Resp: 2965
Ion Ratio Lower Upper
85 100
87 28.2 15.8 47.4

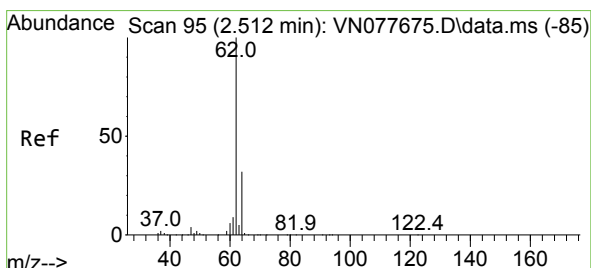
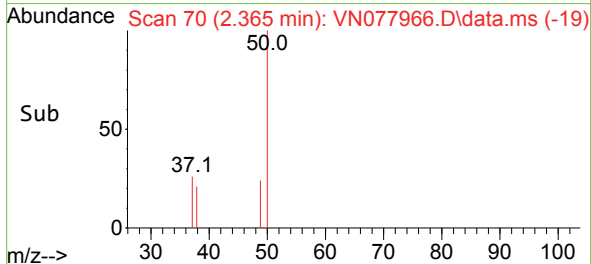
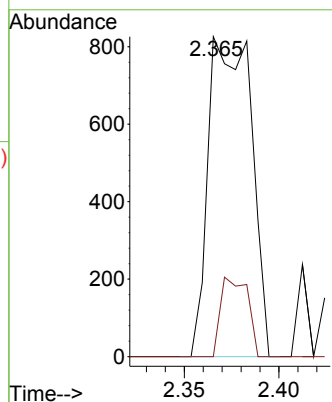
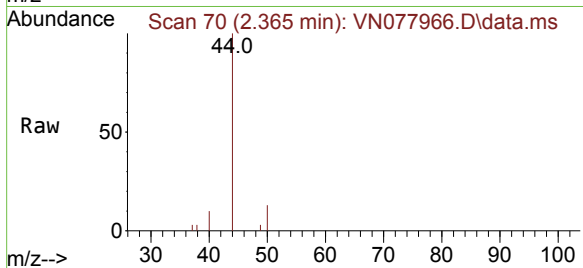




#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

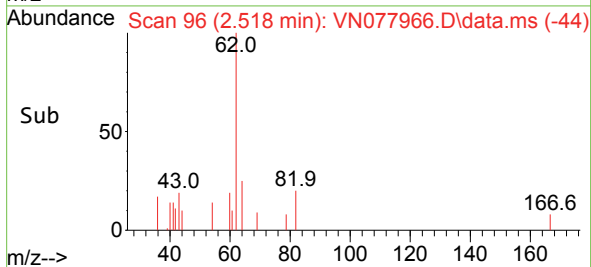
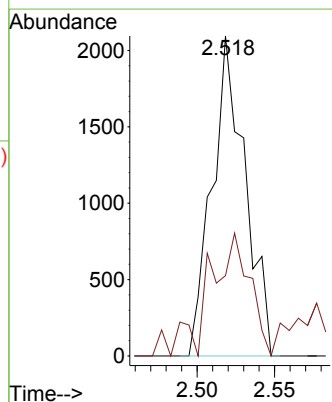
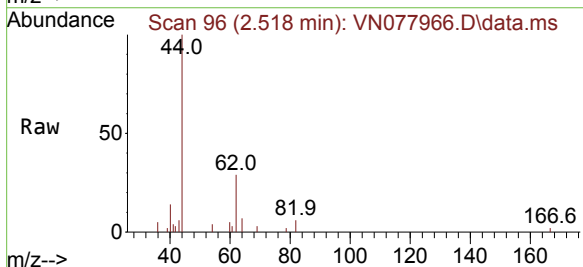
Instrument :
MSVOA_N
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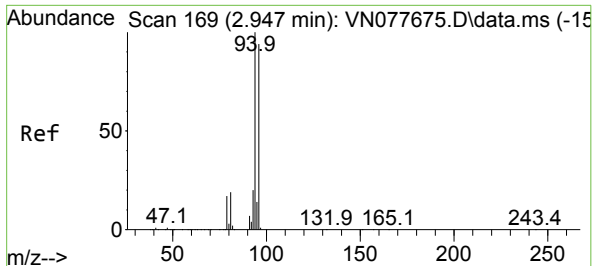
Tgt Ion: 50 Resp: 1299
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



#4
Vinyl Chloride
Concen: 0.547 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

Tgt Ion: 62 Resp: 3102
Ion Ratio Lower Upper
62 100
64 14.8 26.2 39.2#

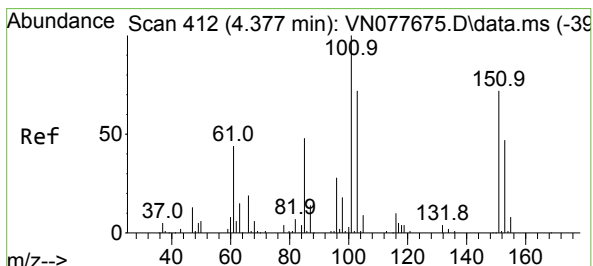
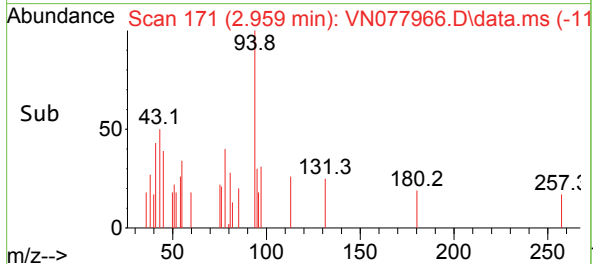
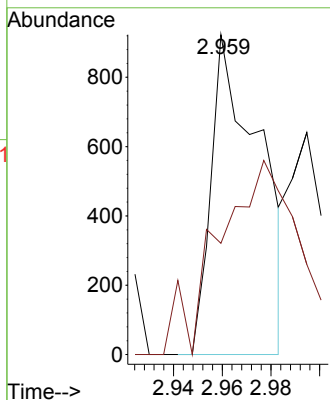
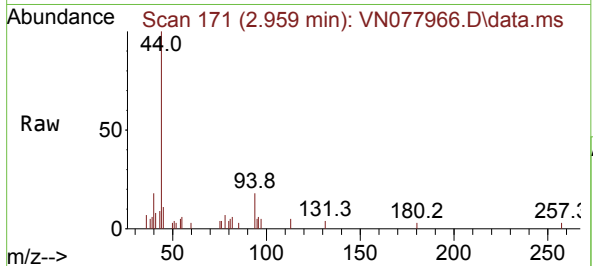




#5
Bromomethane
Concen: 0.304 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

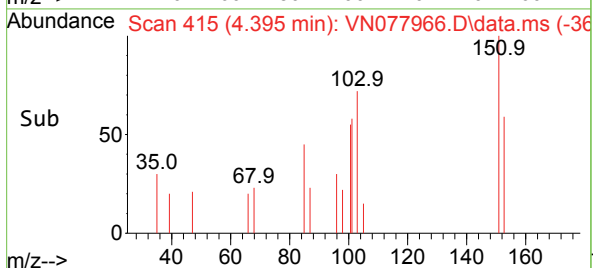
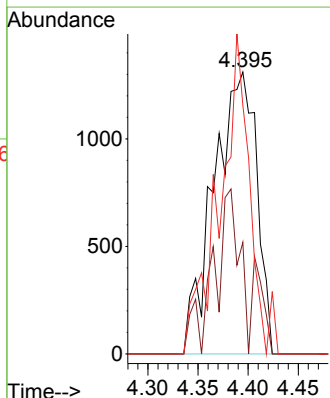
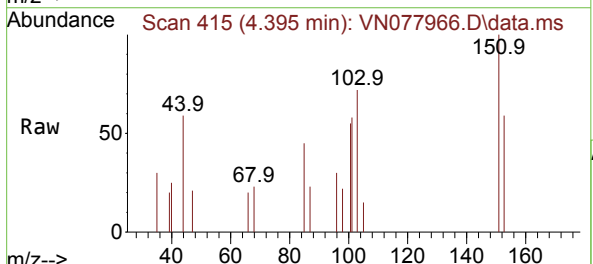
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20230526

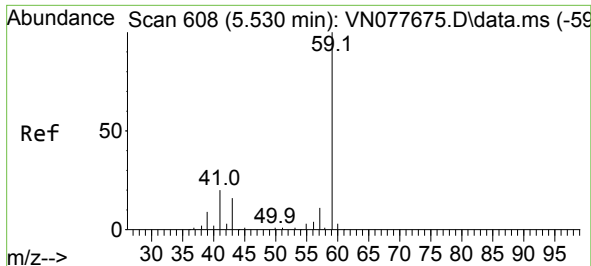
Tgt Ion: 94 Resp: 1277
Ion Ratio Lower Upper
94 100
96 11.6 73.1 109.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.891 ug/l
RT: 4.395 min Scan# 415
Delta R.T. 0.018 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

Tgt Ion:101 Resp: 3895
Ion Ratio Lower Upper
101 100
85 35.4 36.6 55.0#
151 76.9 57.6 86.4

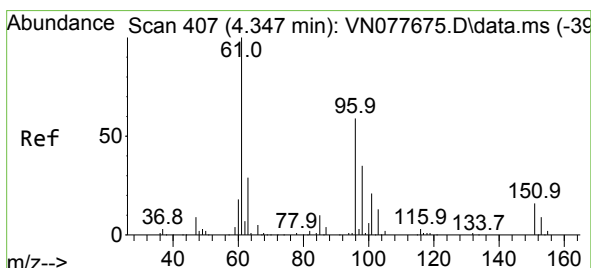
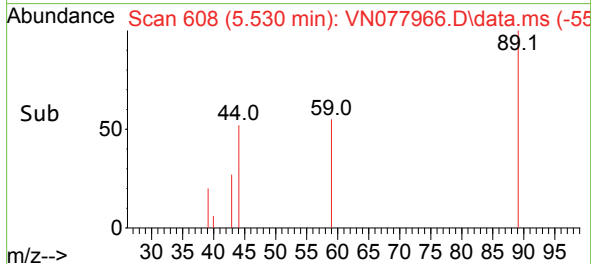
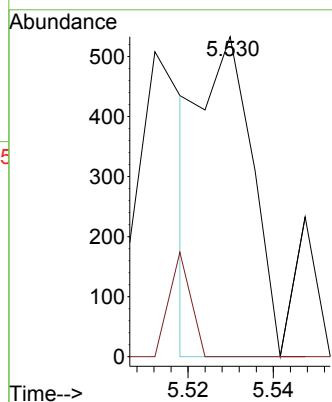
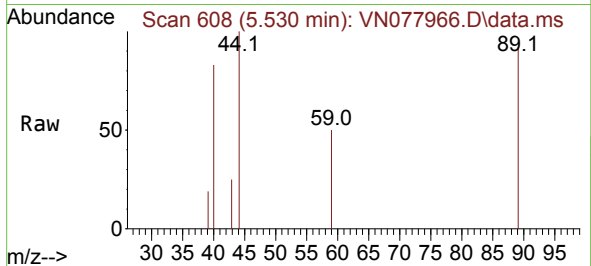




#11
Tert butyl alcohol
Concen: 0.542 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

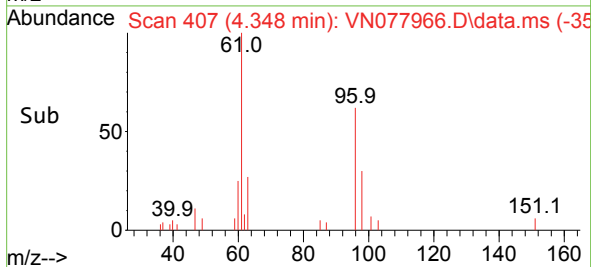
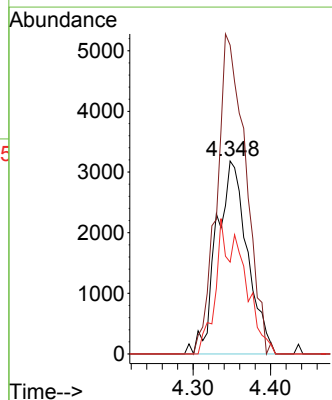
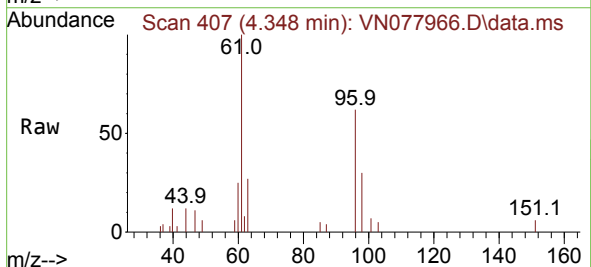
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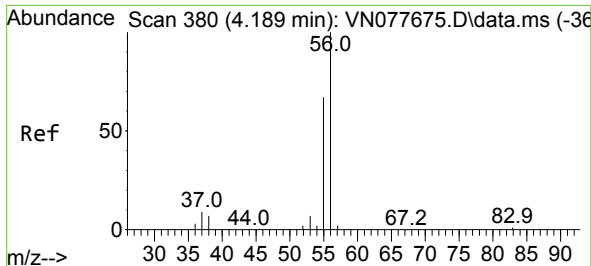
Tgt Ion: 59 Resp: 442
Ion Ratio Lower Upper
59 100
57 13.8 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 2.124 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.001 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

Tgt Ion: 96 Resp: 8828
Ion Ratio Lower Upper
96 100
61 160.1 112.7 169.1
98 47.6 51.2 76.8#

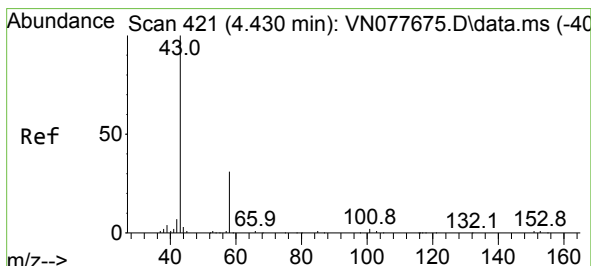
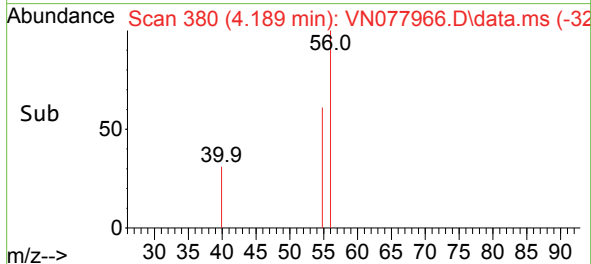
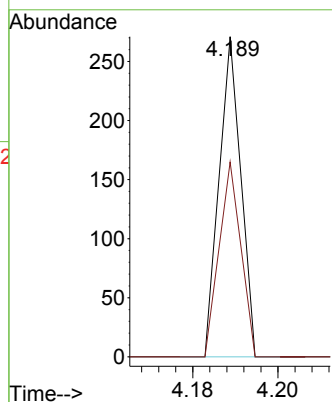
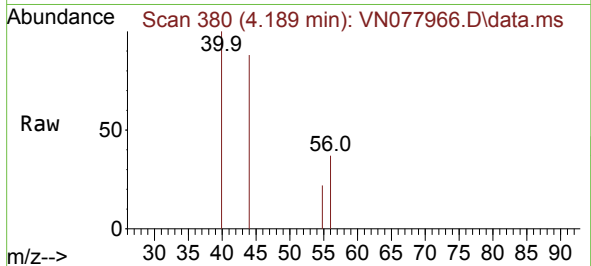




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

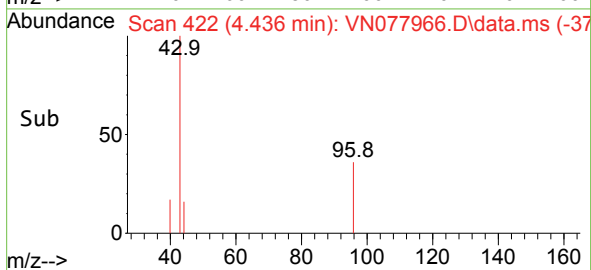
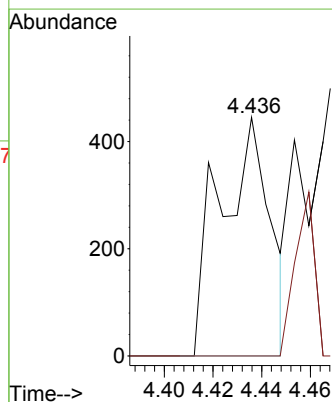
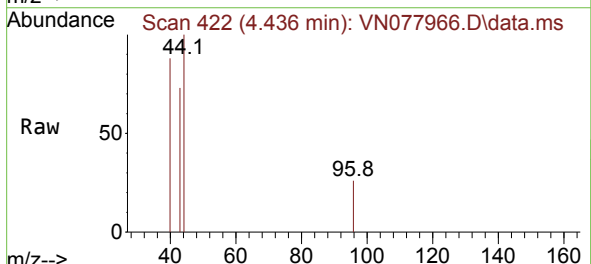
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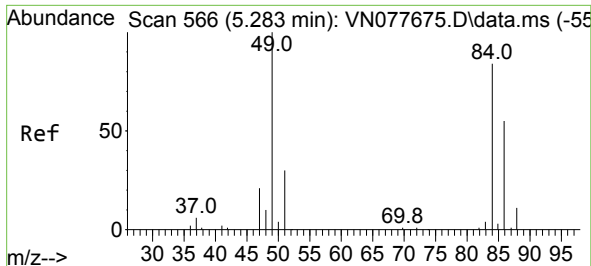
Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 60.4 54.5 81.7



#16
Acetone
Concen: 0.342 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

Tgt Ion: 43 Resp: 636
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

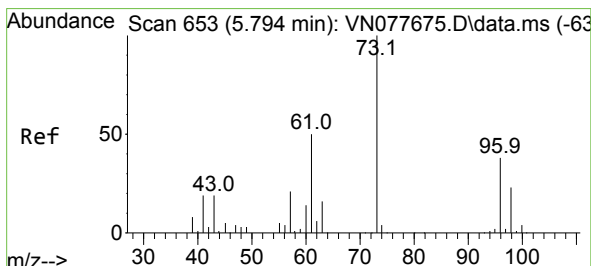
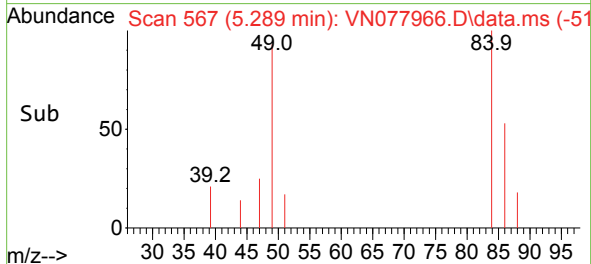
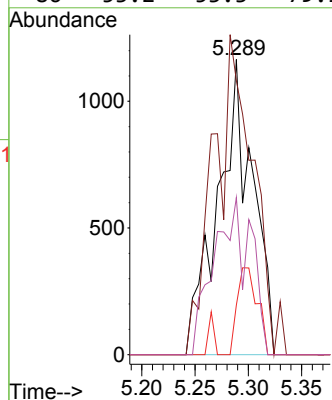
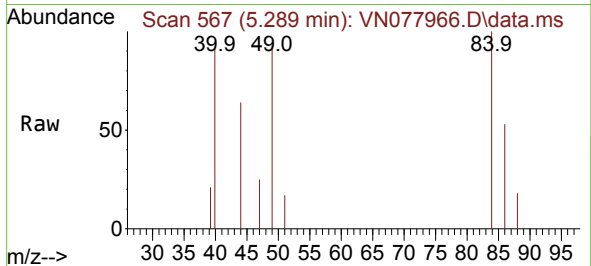




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

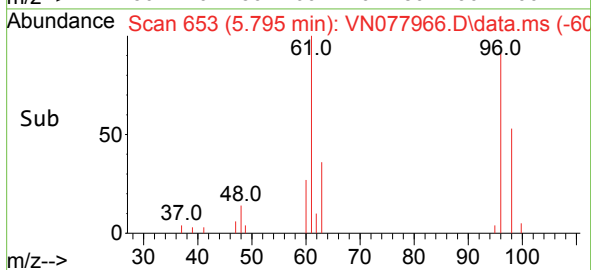
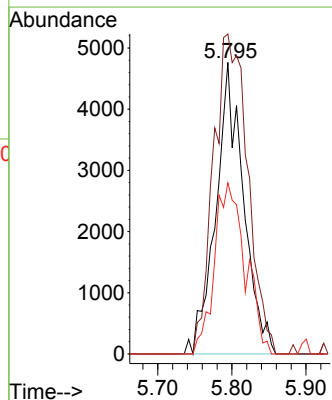
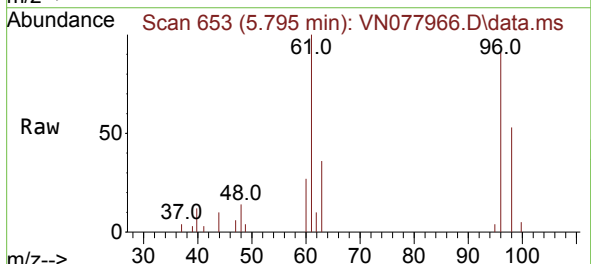
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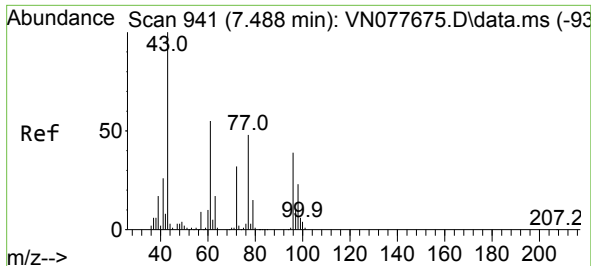
Tgt Ion: 84 Resp: 2638
Ion Ratio Lower Upper
84 100
49 92.9 79.7 119.5
51 16.8 25.2 37.8#
86 53.2 53.3 79.9#



#21
trans-1,2-Dichloroethene
Concen: 2.645 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.001 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

Tgt Ion: 96 Resp: 12350
Ion Ratio Lower Upper
96 100
61 109.8 90.1 135.1
98 58.7 46.4 69.6





#27

cis-1,2-Dichloroethene

Concen: 54.025 ug/l

RT: 7.500 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN077966.D

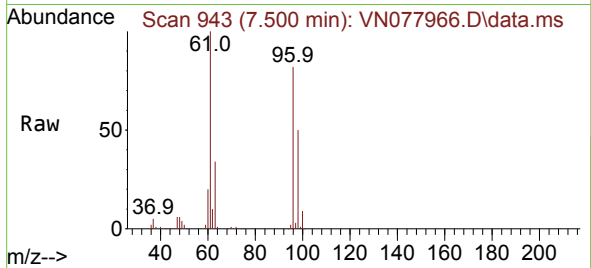
Acq: 30 May 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

INTERCEPTOR-SUMP-20230526



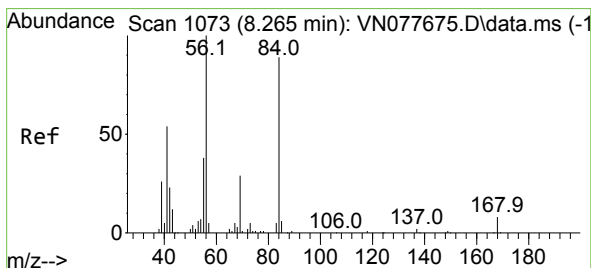
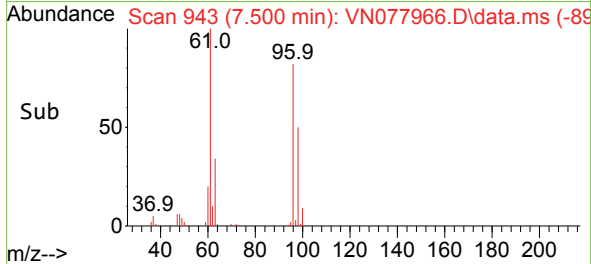
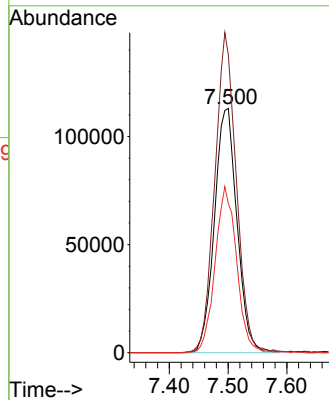
Tgt Ion: 96 Resp: 302454

Ion Ratio Lower Upper

96 100

61 124.5 0.0 255.2

98 64.4 0.0 128.8



#31

Cyclohexane

Concen: 1.240 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.029 min

Lab File: VN077966.D

Acq: 30 May 2023 13:51

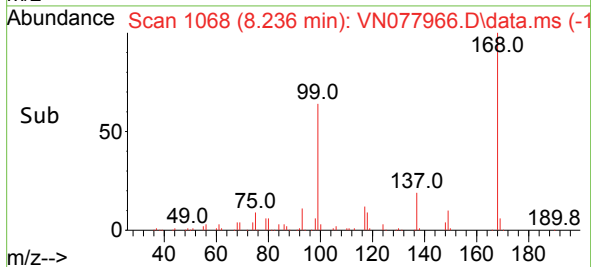
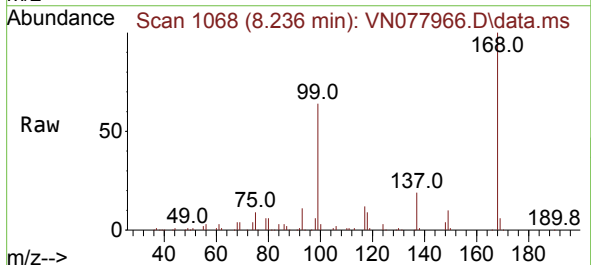
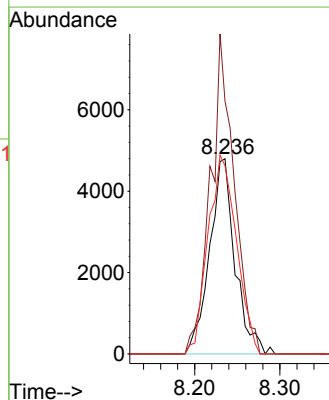
Tgt Ion: 56 Resp: 9968

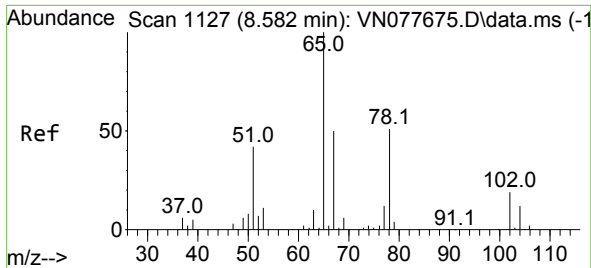
Ion Ratio Lower Upper

56 100

69 129.6 26.8 40.2#

84 96.5 81.8 122.6

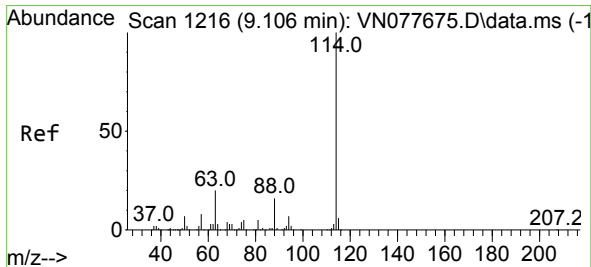
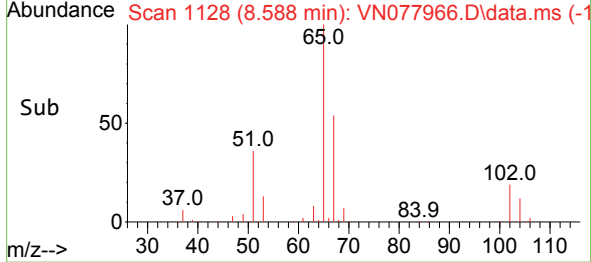
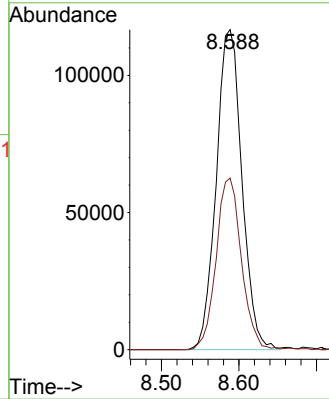
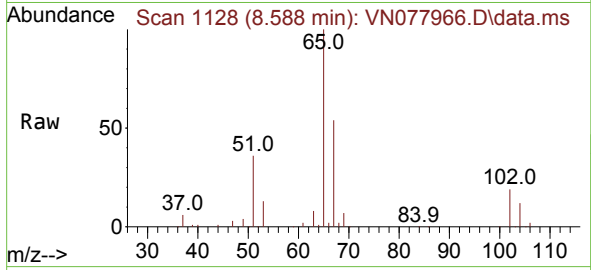




#33
 1,2-Dichloroethane-d4
 Concen: 45.468 ug/l
 RT: 8.588 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN077966.D
 Acq: 30 May 2023 13:51

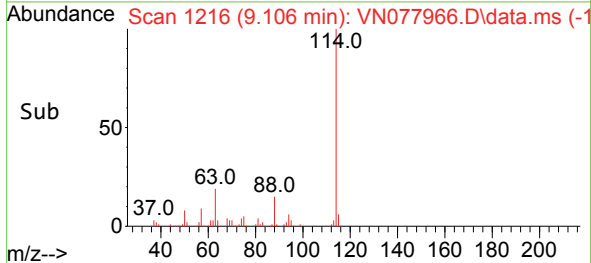
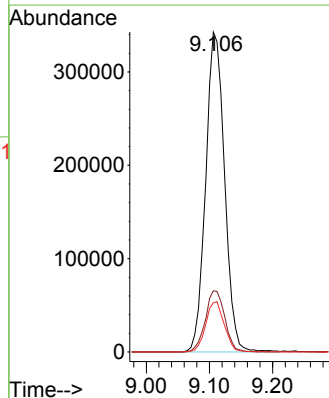
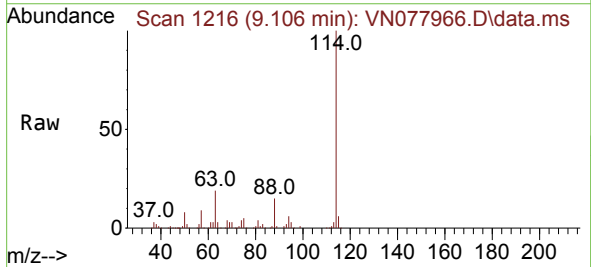
Instrument :
 MSVOA_N
 ClientSampleId :
 INTERCEPTOR-SUMP-20230526

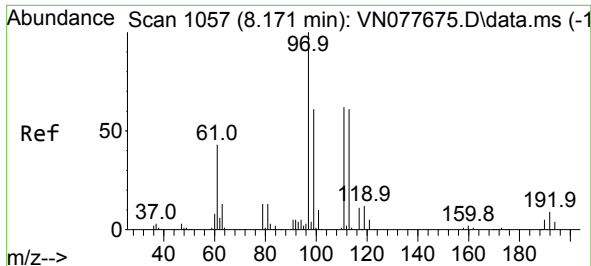
Tgt Ion: 65 Resp: 268861
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN077966.D
 Acq: 30 May 2023 13:51

Tgt Ion: 114 Resp: 711833
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.4
 88 15.4 0.0 30.6

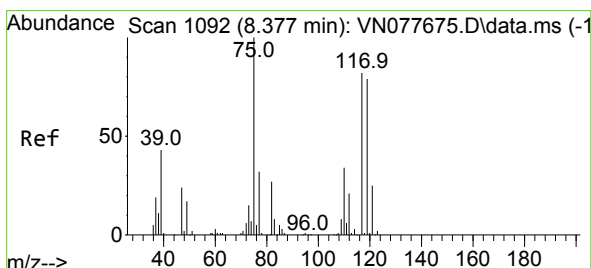
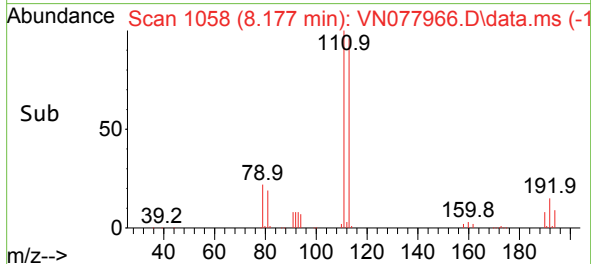
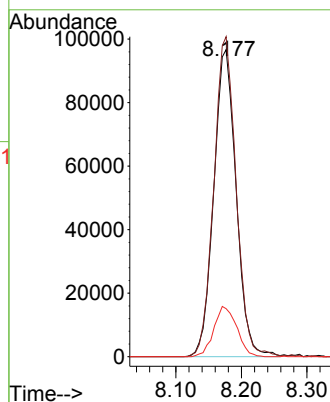
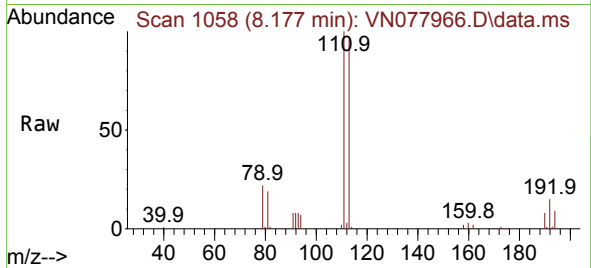




#35
Dibromofluoromethane
Concen: 49.350 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

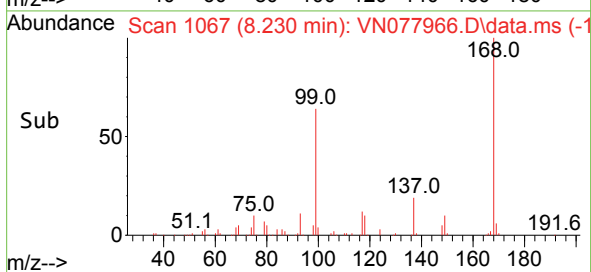
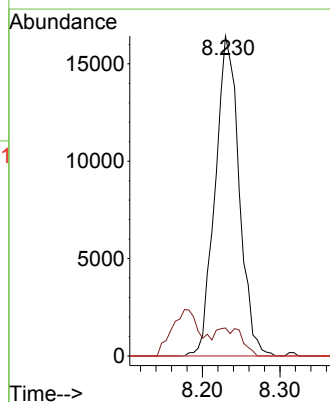
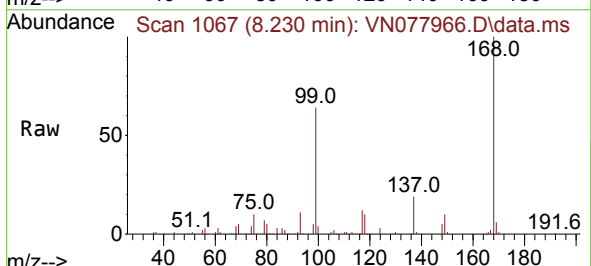
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20230526

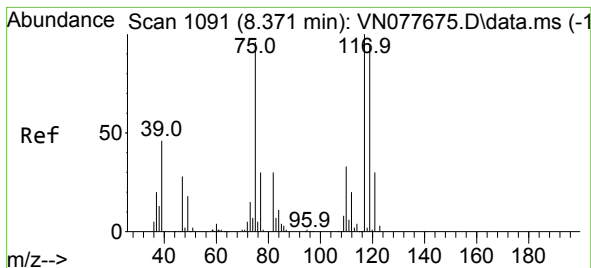
Tgt Ion:113 Resp: 229070
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 16.8 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.206 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

Tgt Ion: 75 Resp: 35342
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.488 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN077966.D

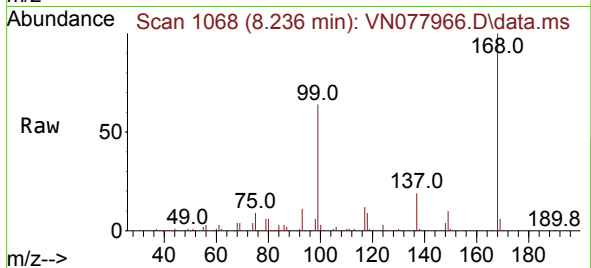
Acq: 30 May 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

INTERCEPTOR-SUMP-20230526



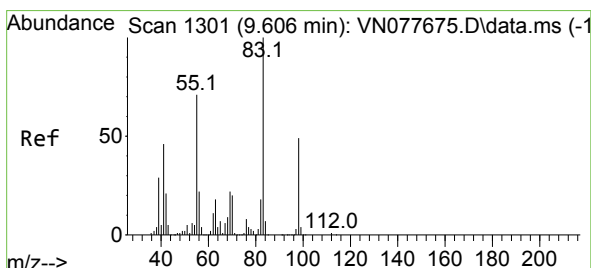
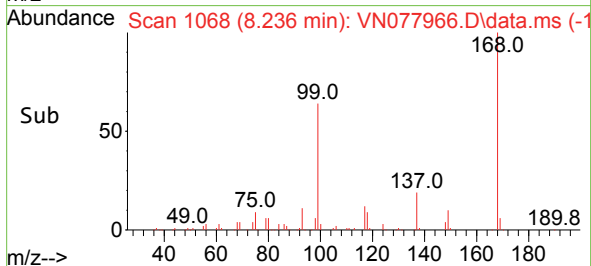
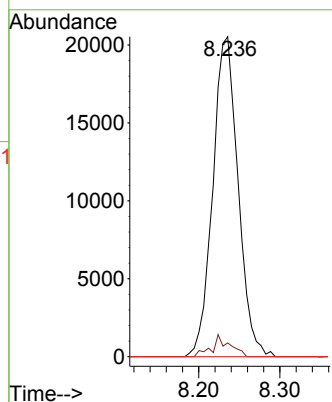
Tgt Ion:117 Resp: 44477

Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 2.841 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.247 min

Lab File: VN077966.D

Acq: 30 May 2023 13:51

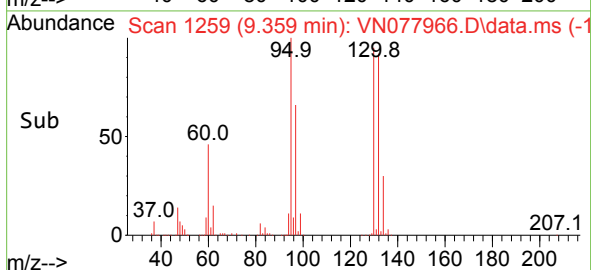
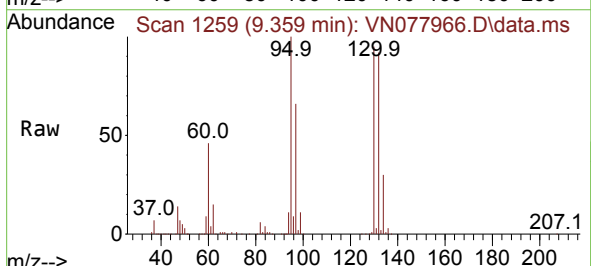
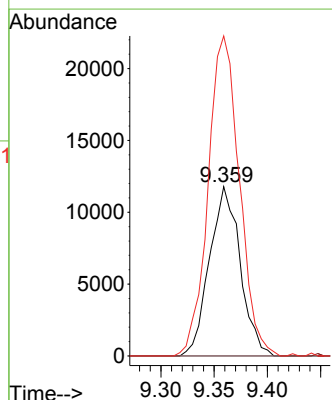
Tgt Ion: 83 Resp: 23613

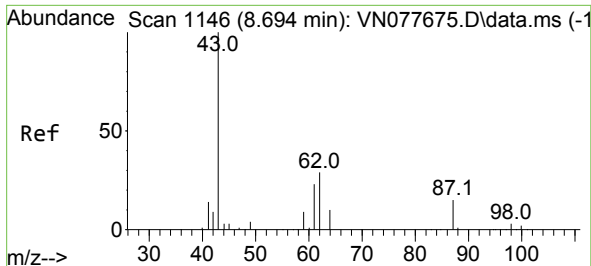
Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 189.0 40.6 61.0#

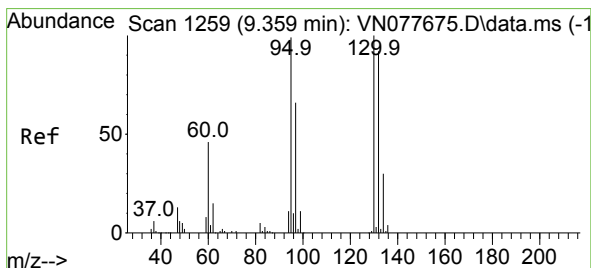
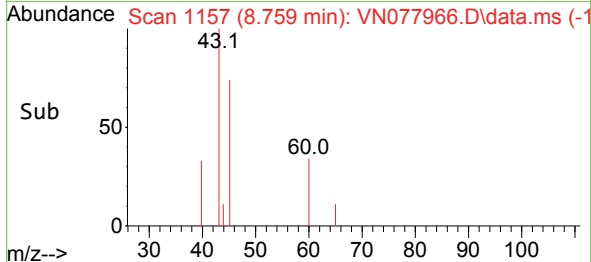
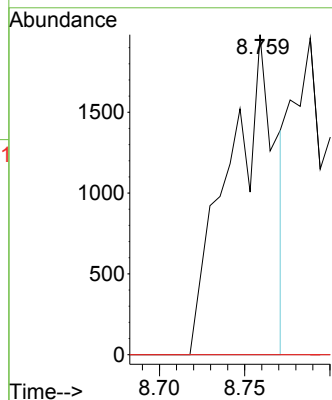
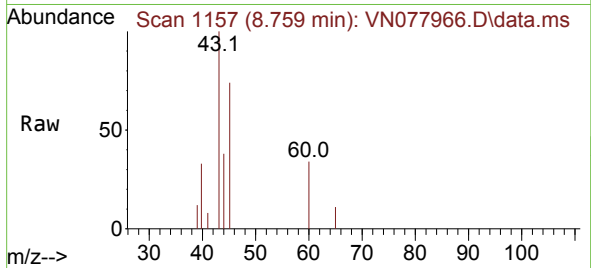




#43
Isopropyl Acetate
Concen: 0.382 ug/l
RT: 8.759 min Scan# 1157
Delta R.T. 0.065 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

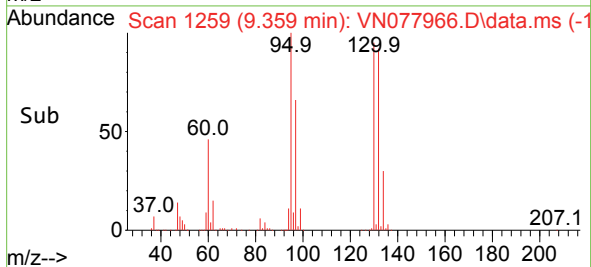
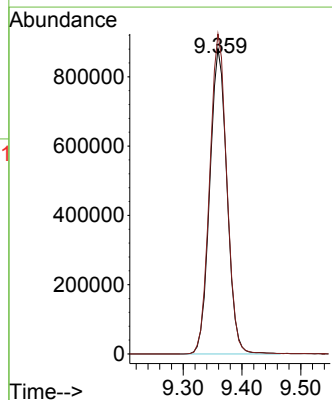
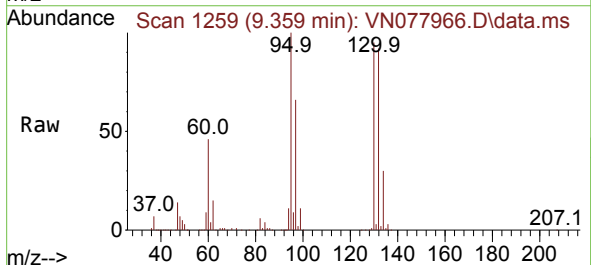
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20230526

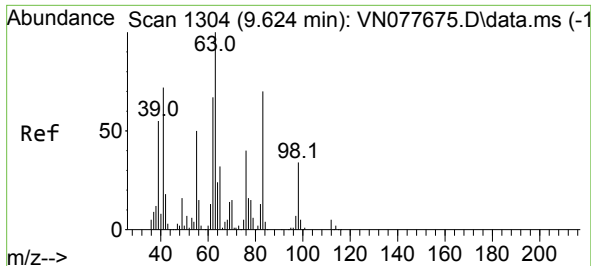
Tgt Ion: 43 Resp: 3778
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 353.367 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

Tgt Ion:130 Resp: 1792652
Ion Ratio Lower Upper
130 100
95 104.8 0.0 204.6

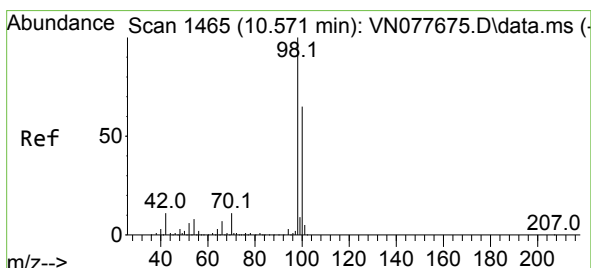
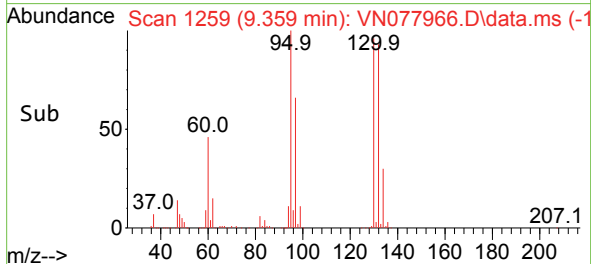
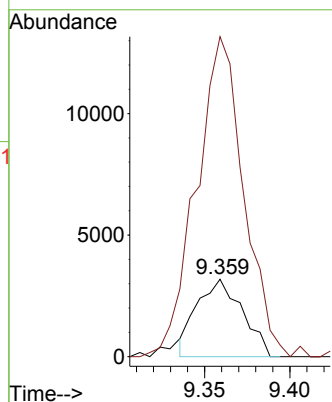
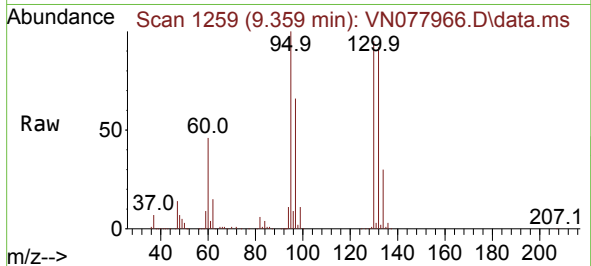




#45
1,2-Dichloropropane
Concen: 1.149 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.265 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

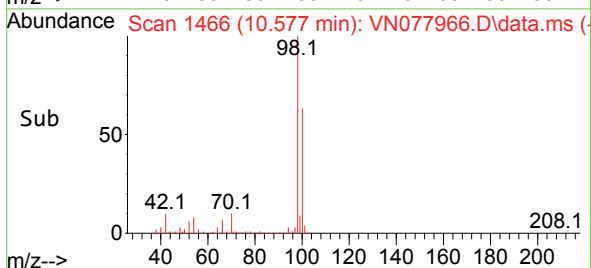
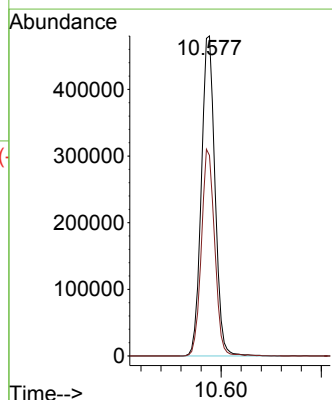
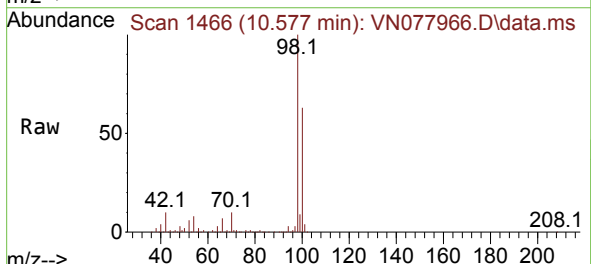
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20230526

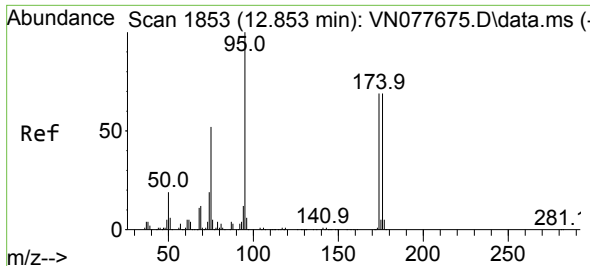
Tgt Ion: 63 Resp: 5871
Ion Ratio Lower Upper
63 100
65 398.6 23.9 35.9#



#50
Toluene-d8
Concen: 50.691 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

Tgt Ion: 98 Resp: 905670
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0

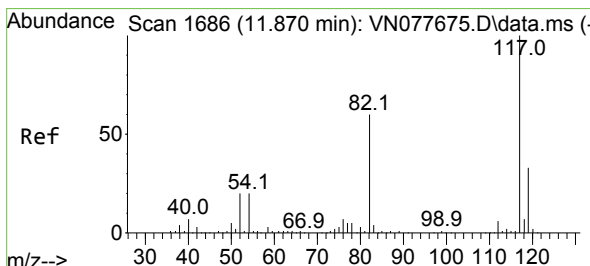
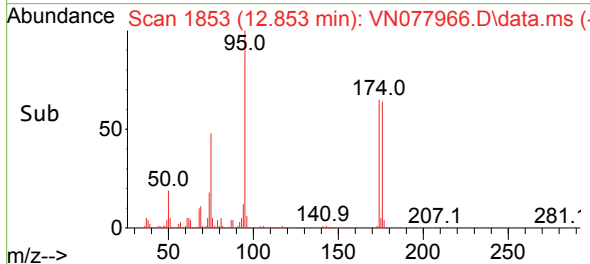
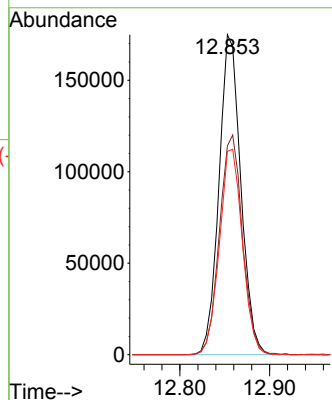
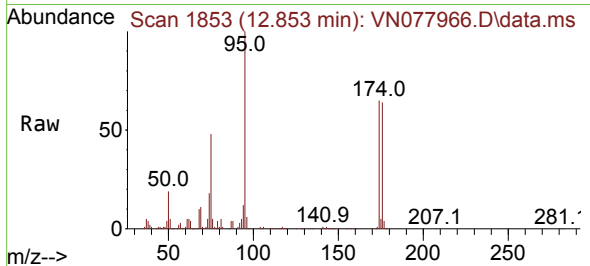




#62
4-Bromofluorobenzene
Concen: 46.828 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

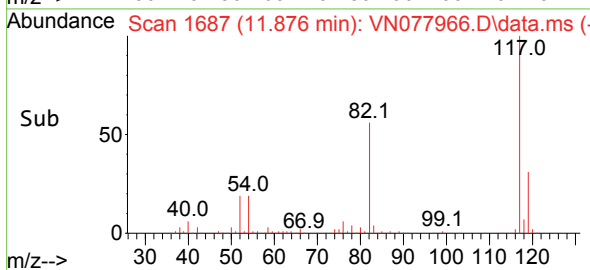
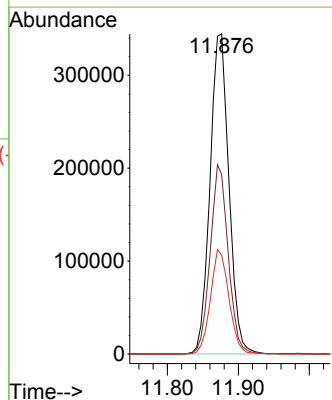
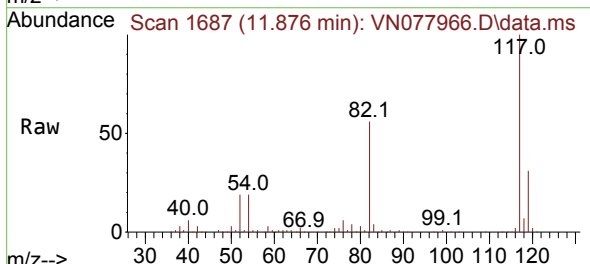
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20230526

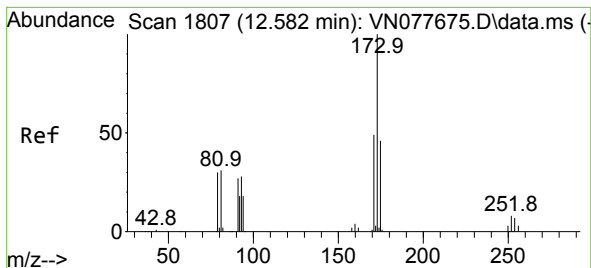
Tgt Ion: 95 Resp: 295489
Ion Ratio Lower Upper
95 100
174 72.5 0.0 143.8
176 67.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VN077966.D
Acq: 30 May 2023 13:51

Tgt Ion: 117 Resp: 636649
Ion Ratio Lower Upper
117 100
82 56.0 44.0 66.0
119 30.8 25.6 38.4





#71

Bromoform

Concen: 0.629 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN077966.D

Acq: 30 May 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

INTERCEPTOR-SUMP-20230526

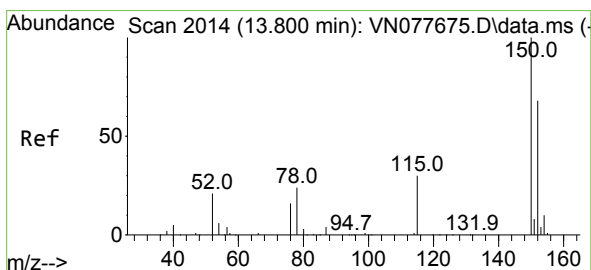
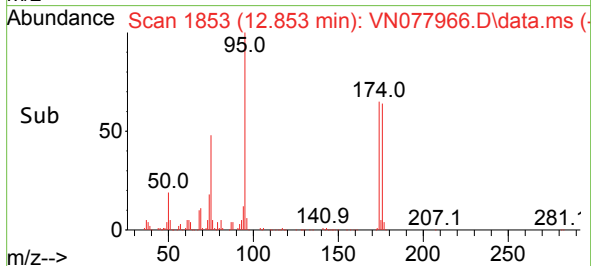
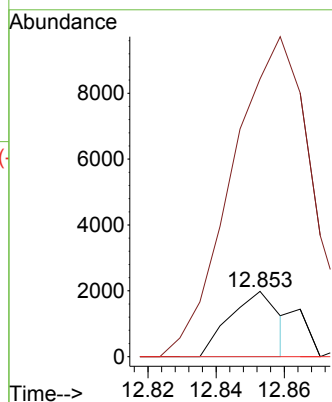
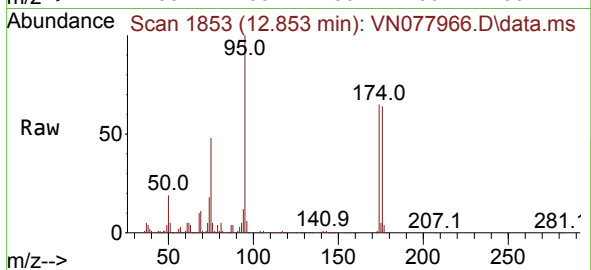
Tgt Ion:173 Resp: 1998

Ion Ratio Lower Upper

173 100

175 0.0 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: VN077966.D

Acq: 30 May 2023 13:51

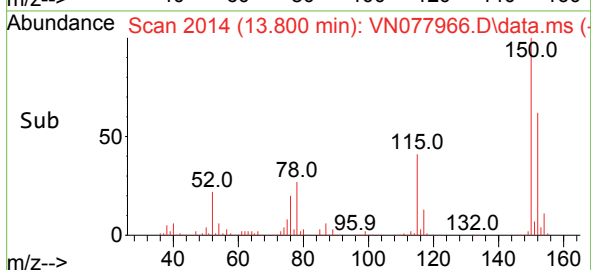
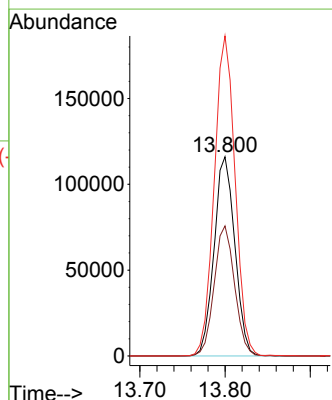
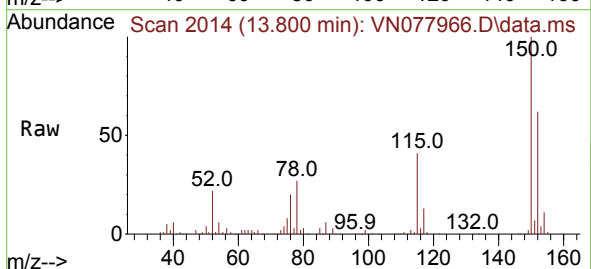
Tgt Ion:152 Resp: 196735

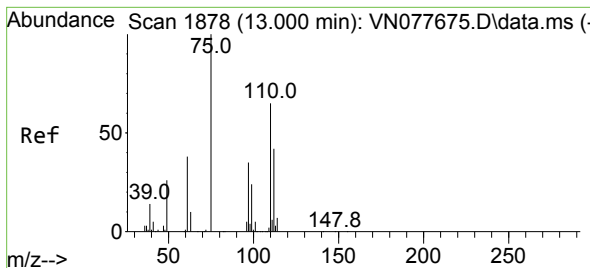
Ion Ratio Lower Upper

152 100

115 64.3 32.3 96.8

150 160.8 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 32.306 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN077966.D

Acq: 30 May 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

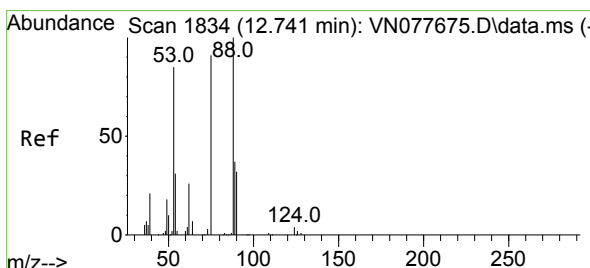
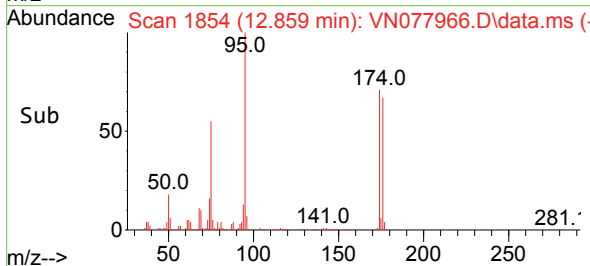
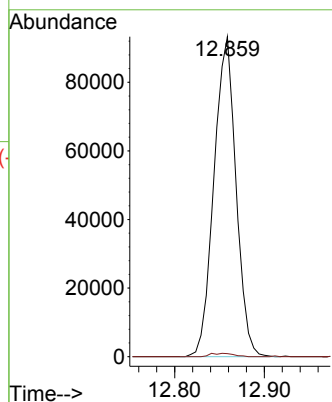
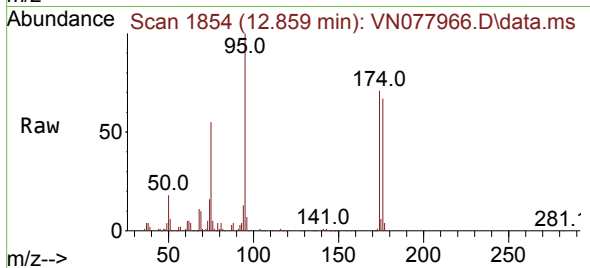
INTERCEPTOR-SUMP-20230526

Tgt Ion: 75 Resp: 159169

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.266 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN077966.D

Acq: 30 May 2023 13:51

Tgt Ion: 75 Resp: 159169

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.1 38.8 58.2#

