

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
 Data File : VN078496.D
 Acq On : 13 Jul 2023 14:11
 Operator : JC\MD
 Sample : 03610-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230712039-08-TRIP-BLANK

Quant Time: Jul 14 01:33:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

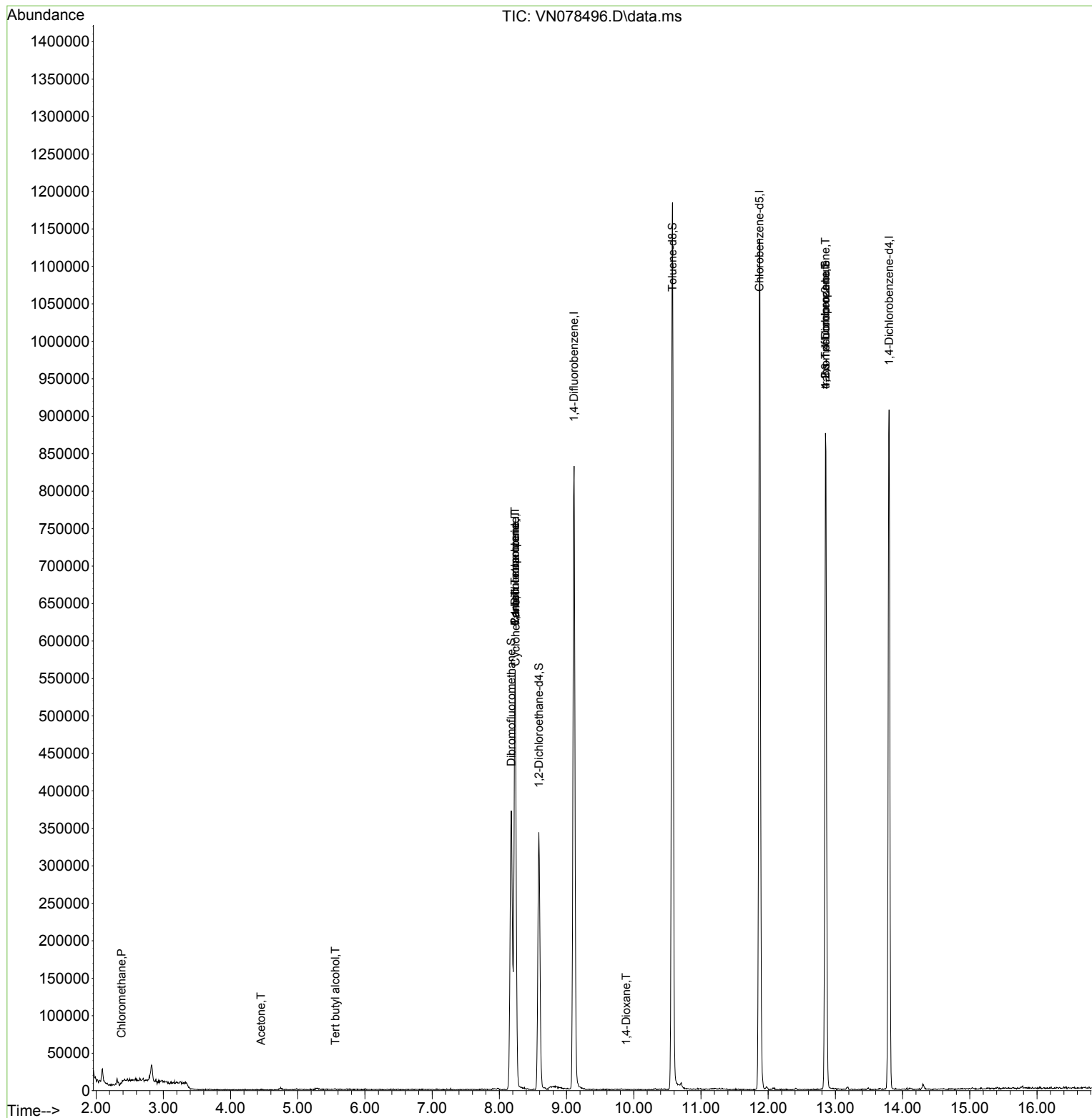
Internal Standards						
1) Pentafluorobenzene	8.235	168	409994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	744163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	694817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	254570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	279872	50.919	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.840%			
35) Dibromofluoromethane	8.177	113	275533	54.544	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.080%			
50) Toluene-d8	10.576	98	873254	45.760	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.520%			
62) 4-Bromofluorobenzene	12.853	95	315093	53.604	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.200%			
Target Compounds			Qvalue			
3) Chloromethane	2.377	50	2038	0.373	ug/l #	81
5) Bromomethane	2.977	94	2125	Below Cal	#	54
6) Chloroethane	3.142	64	1368	Below Cal	#	43
11) Tert butyl alcohol	5.559	59	261	0.308	ug/l #	72
16) Acetone	4.453	43	395	0.231	ug/l #	40
20) Methylene Chloride	5.277	84	508	Below Cal	#	57
31) Cyclohexane	8.241	56	9889	1.331	ug/l #	43
36) 1,1-Dichloropropene	8.235	75	32727	4.487	ug/l #	48
38) Carbon Tetrachloride	8.235	117	45695	5.764	ug/l #	15
49) 1,4-Dioxane	9.888	88	92	0.910	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.970	83	84	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	163832	26.625	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	163832	69.966	ug/l #	15
90) Hexachloroethane	14.329	117	56	Below Cal	#	21
94) Hexachlorobutadiene	15.488	225	56	Below Cal	#	19

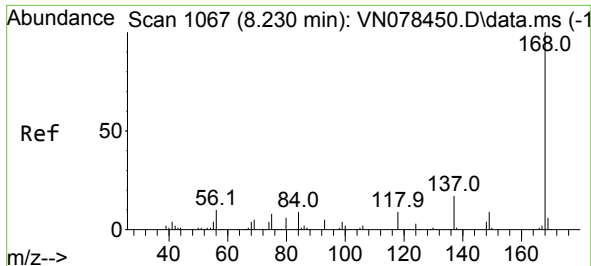
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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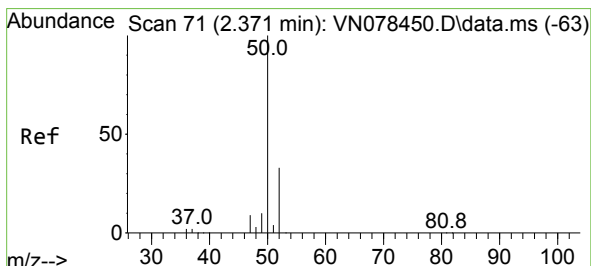
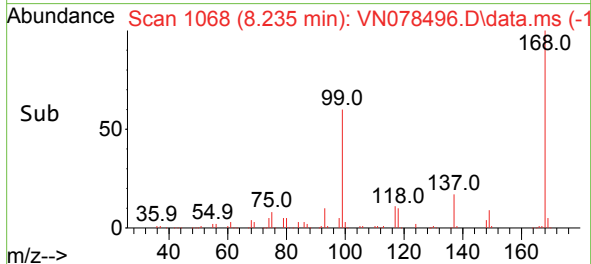
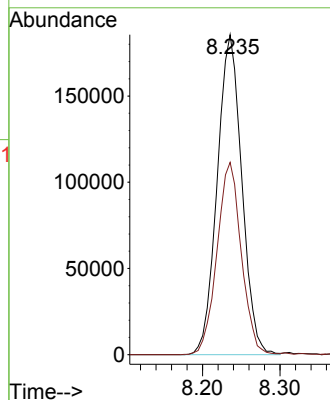
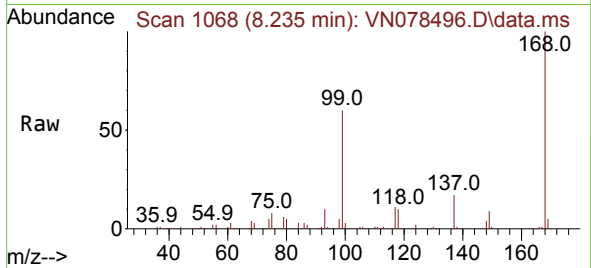




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

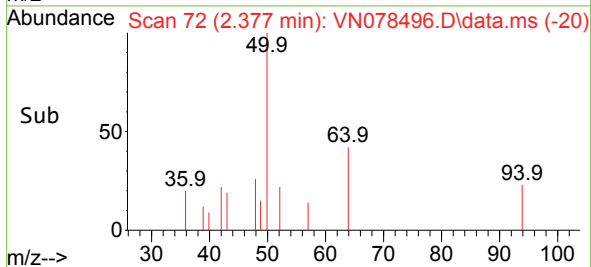
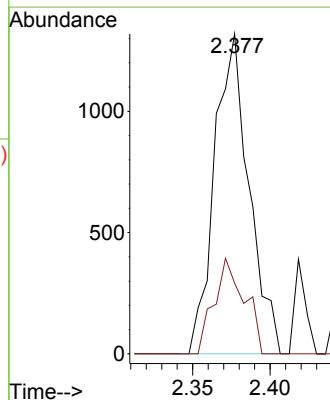
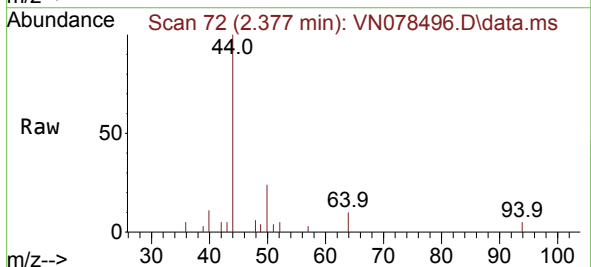
Instrument :
MSVOA_N
ClientSampleId :
230712039-08-TRIP-BLANK

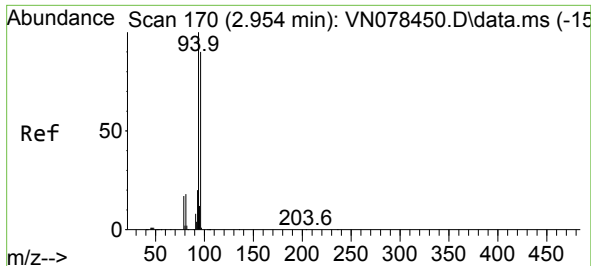
Tgt Ion:168 Resp: 409994
Ion Ratio Lower Upper
168 100
99 60.1 53.0 79.6



#3
Chloromethane
Concen: 0.373 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

Tgt Ion: 50 Resp: 2038
Ion Ratio Lower Upper
50 100
52 22.1 26.5 39.7#

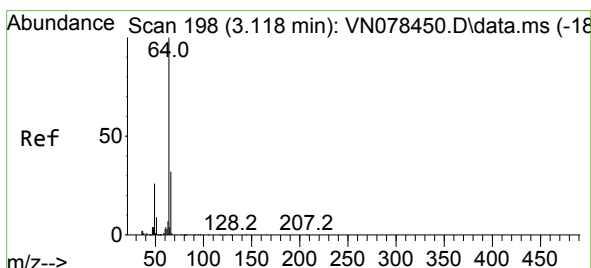
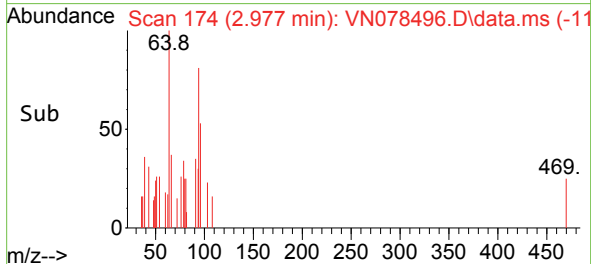
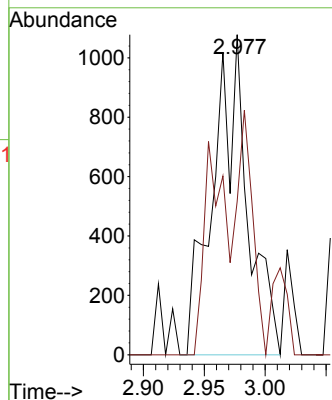
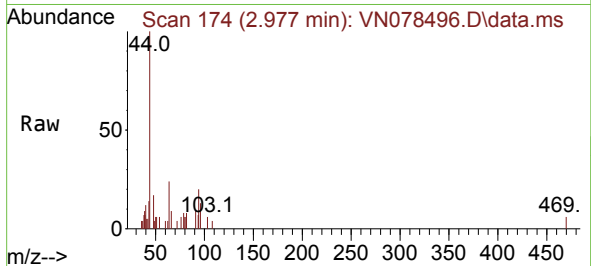




#5
Bromomethane
Concen: Below Cal
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

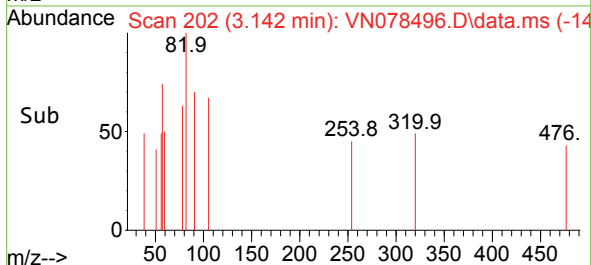
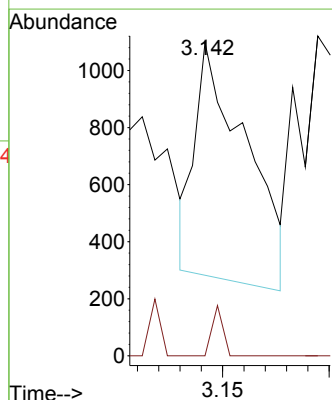
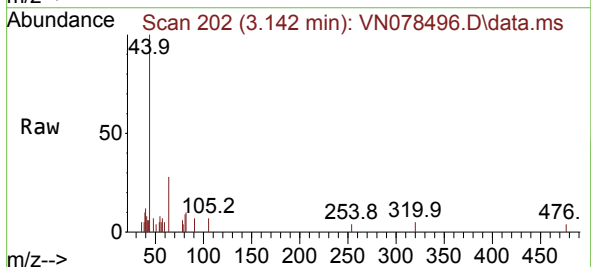
Instrument :
MSVOA_N
ClientSampleId :
230712039-08-TRIP-BLANK

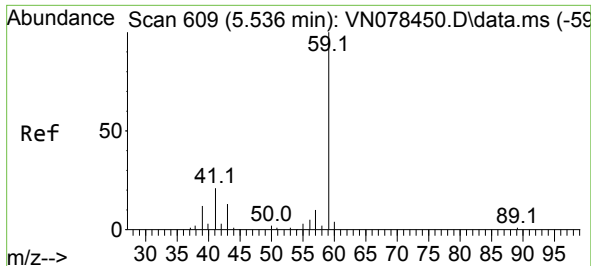
Tgt Ion: 94 Resp: 2125
Ion Ratio Lower Upper
94 100
96 47.9 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

Tgt Ion: 64 Resp: 1368
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

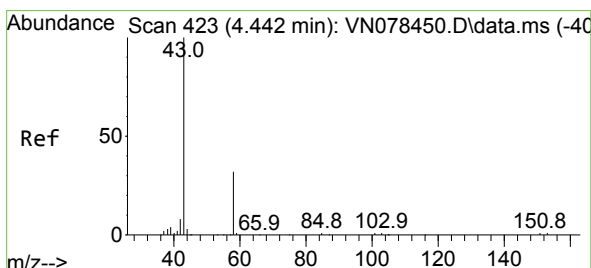
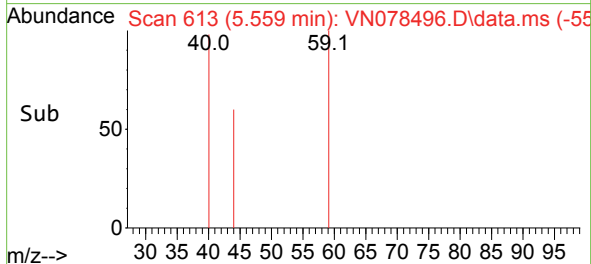
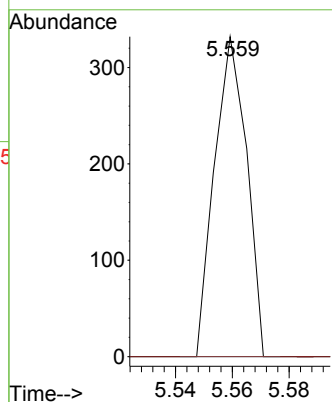
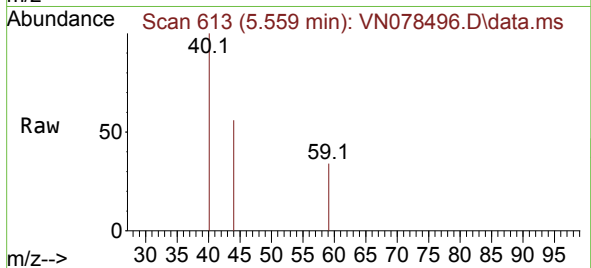




#11
Tert butyl alcohol
Concen: 0.308 ug/l
RT: 5.559 min Scan# 613
Delta R.T. 0.023 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

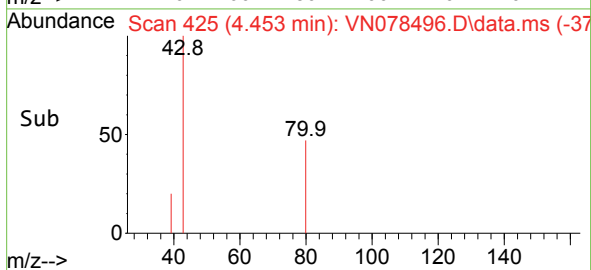
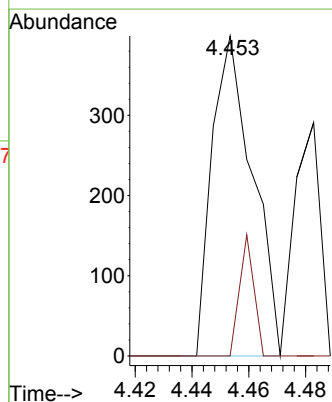
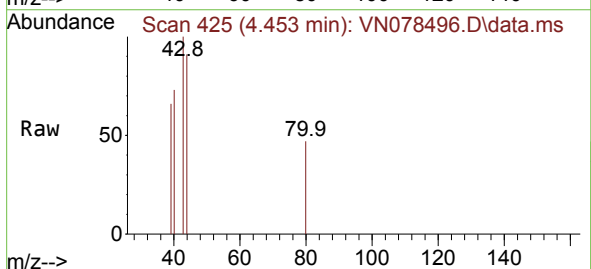
Instrument :
MSVOA_N
ClientSampleId :
230712039-08-TRIP-BLANK

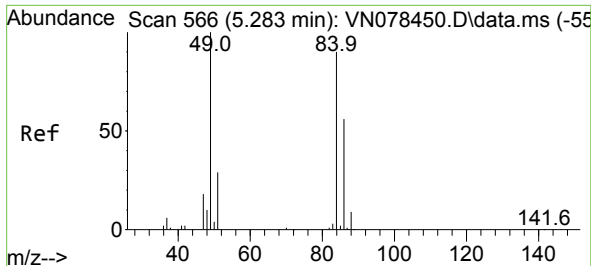
Tgt Ion: 59 Resp: 261
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.231 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

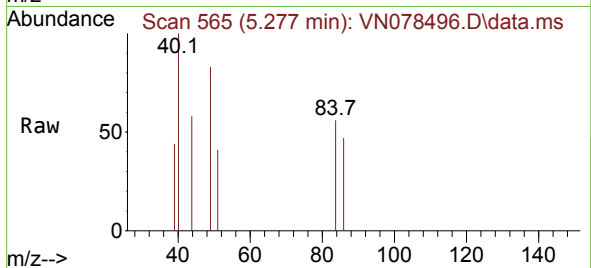
Tgt Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



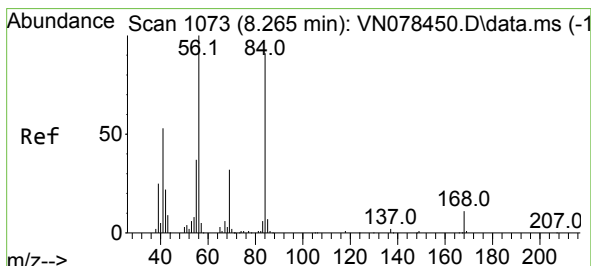
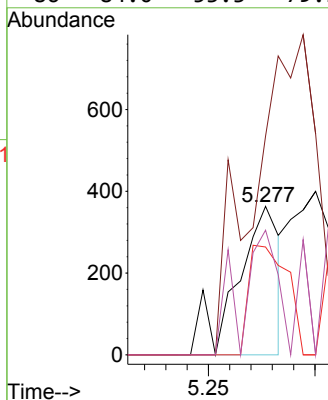
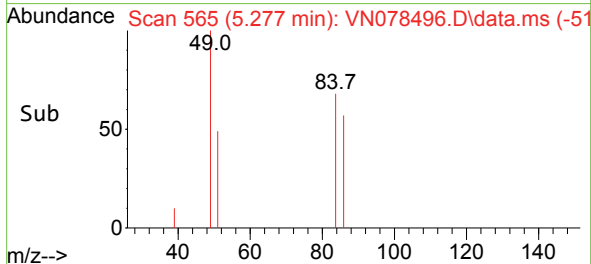


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 508
Delta R.T. -0.006 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

Instrument : MSVOA_N
ClientSampleId : 230712039-08-TRIP-BLANK

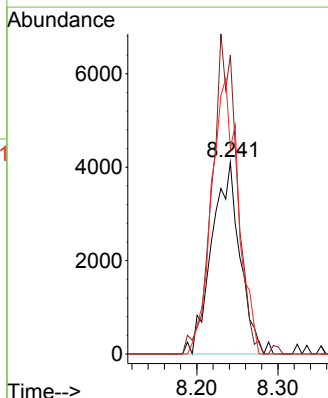
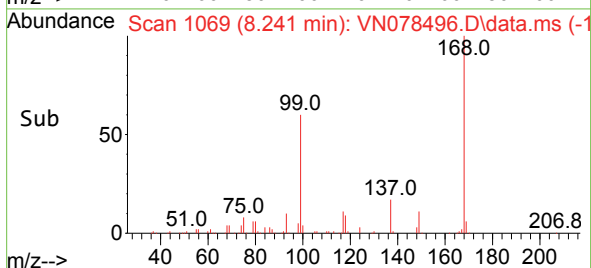
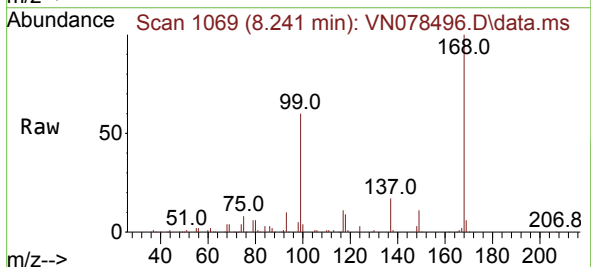


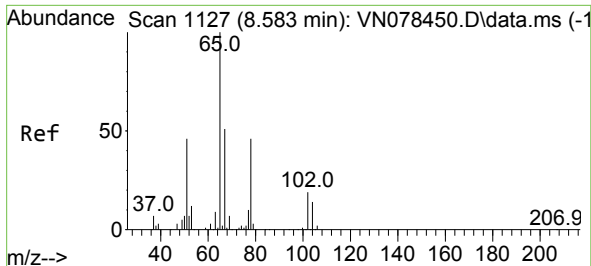
Tgt Ion:	84	Resp:	508
Ion	Ratio	Lower	Upper
84	100		
49	147.4	79.7	119.5#
51	72.7	25.2	37.8#
86	84.0	53.3	79.9#



#31
Cyclohexane
Concen: 1.331 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

Tgt Ion:	56	Resp:	9889
Ion	Ratio	Lower	Upper
56	100		
69	155.9	26.8	40.2#
84	107.0	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 50.919 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN078496.D

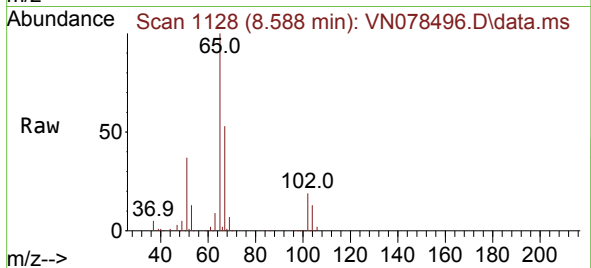
Acq: 13 Jul 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

230712039-08-TRIP-BLANK

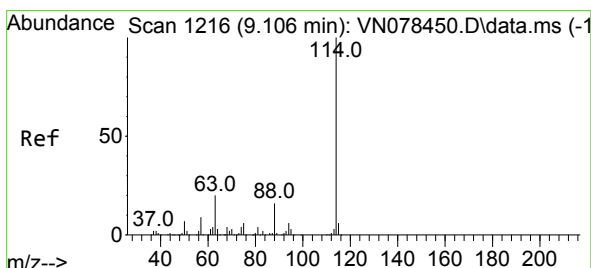
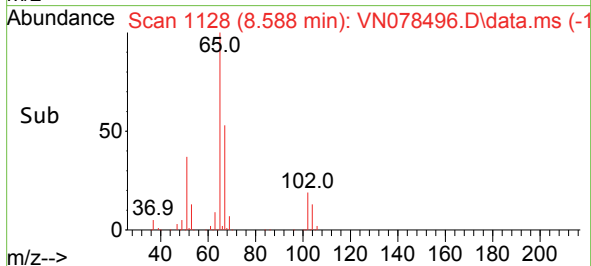
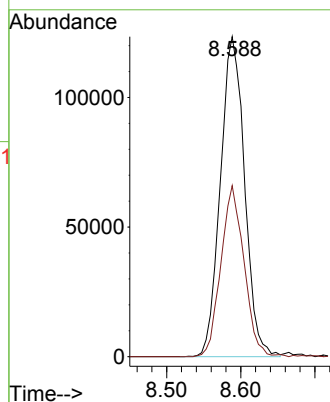


Tgt Ion: 65 Resp: 279872

Ion Ratio Lower Upper

65 100

67 51.1 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: VN078496.D

Acq: 13 Jul 2023 14:11

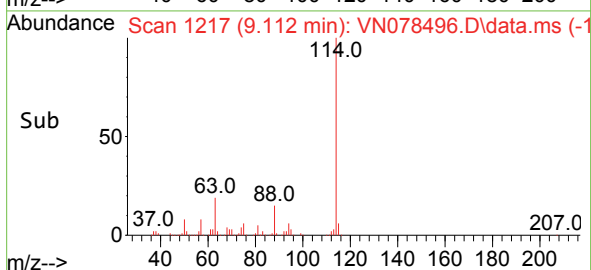
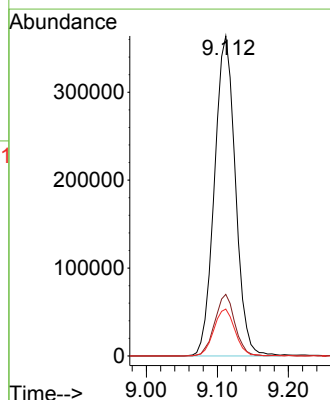
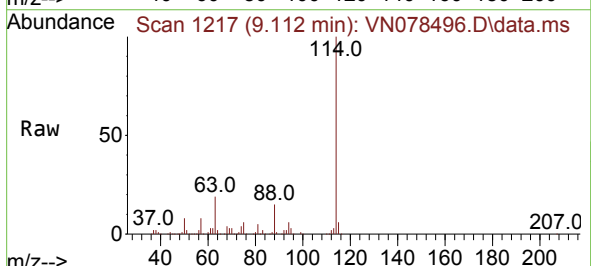
Tgt Ion: 114 Resp: 744163

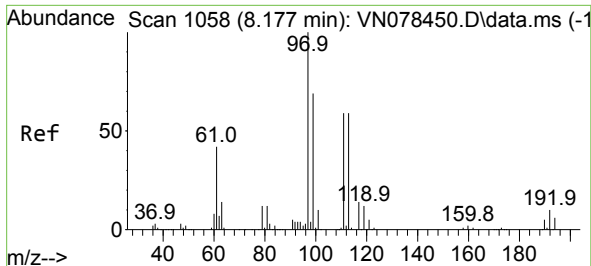
Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.544 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078496.D

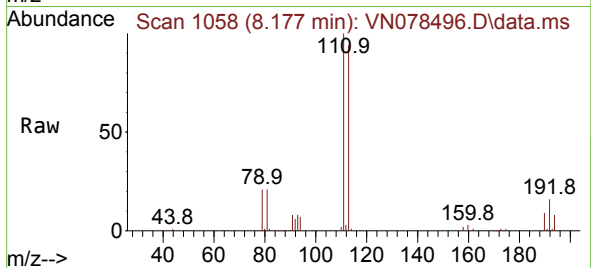
Acq: 13 Jul 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

230712039-08-TRIP-BLANK



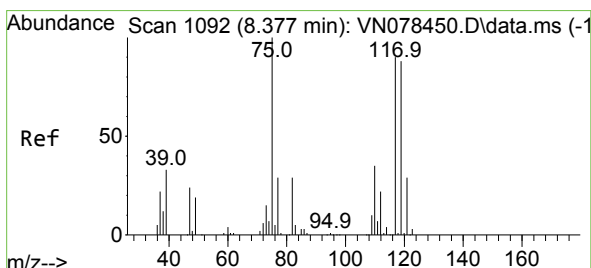
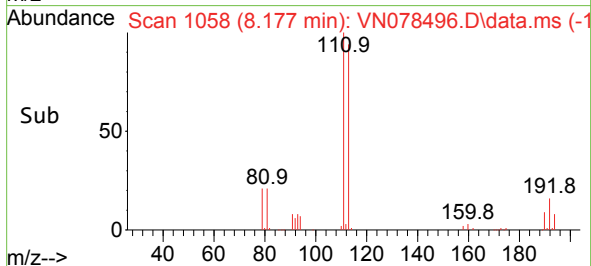
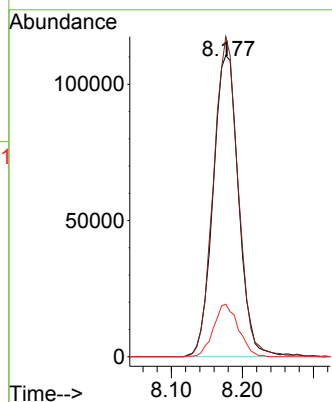
Tgt Ion:113 Resp: 275533

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 17.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.487 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN078496.D

Acq: 13 Jul 2023 14:11

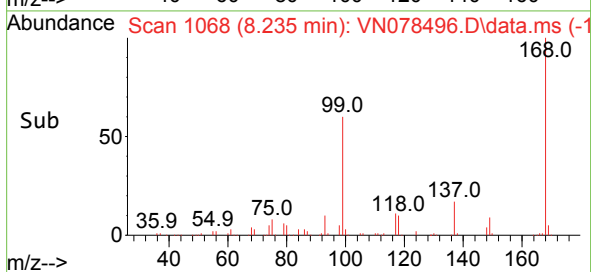
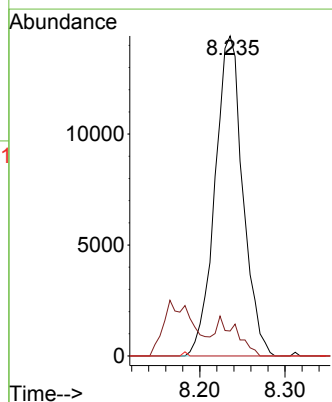
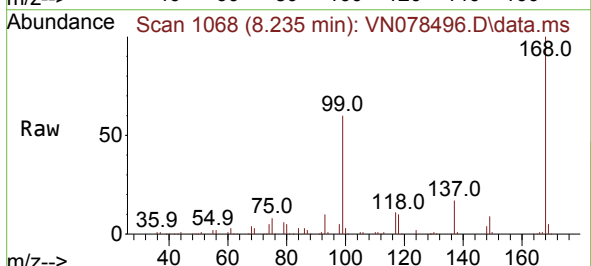
Tgt Ion: 75 Resp: 32727

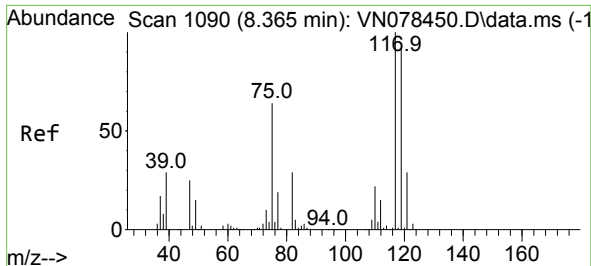
Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

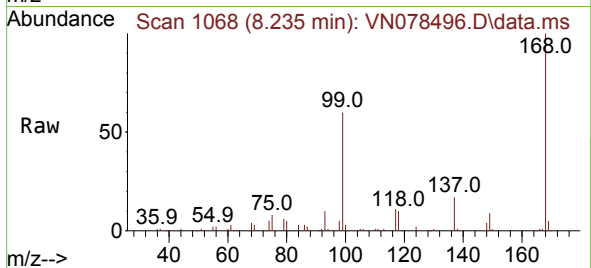
77 0.0 25.0 37.4#



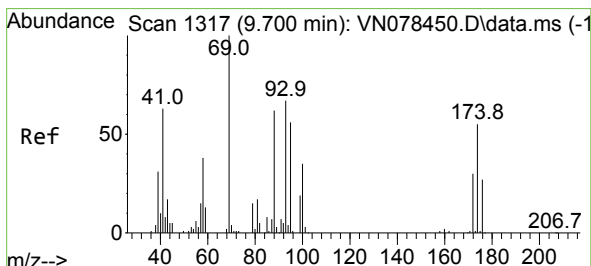
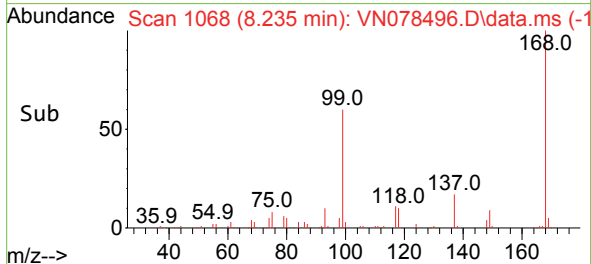
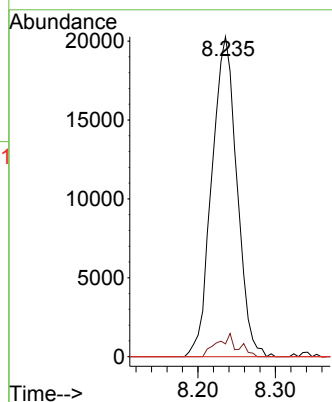


#38
Carbon Tetrachloride
Concen: 5.764 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.130 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

Instrument : MSVOA_N
ClientSampleId : 230712039-08-TRIP-BLANK

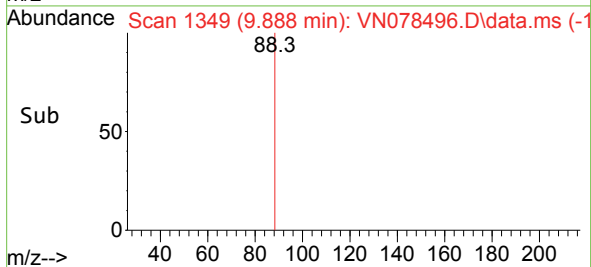
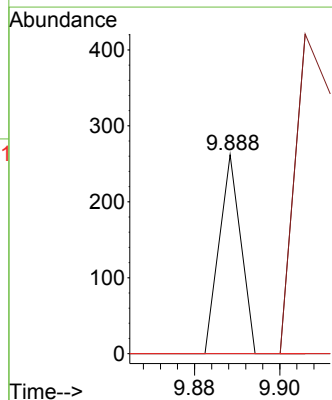
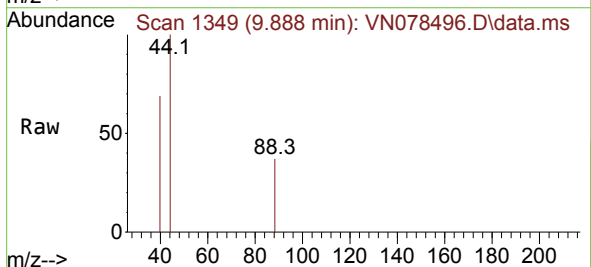


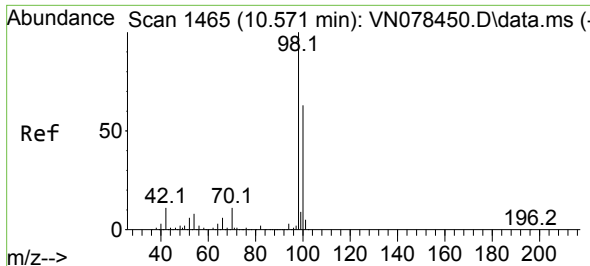
Tgt Ion:117 Resp: 45695
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 23.3 34.9#



#49
1,4-Dioxane
Concen: 0.910 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.188 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

Tgt Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
43 397.8 17.0 25.6#
58 0.0 47.0 70.4#

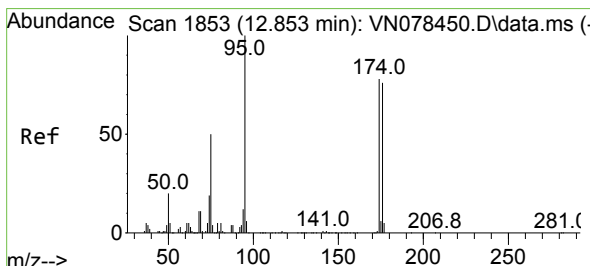
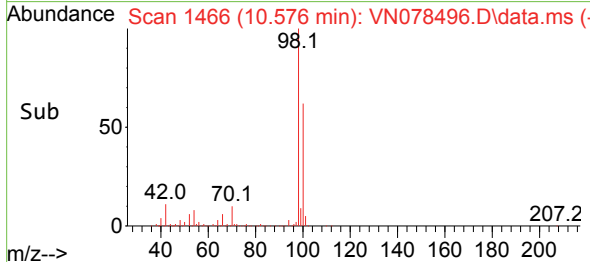
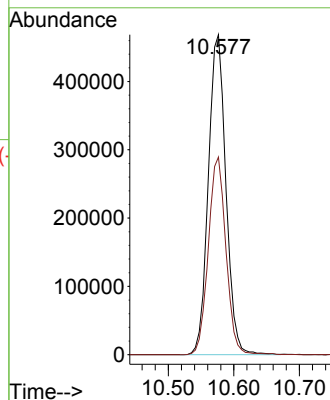
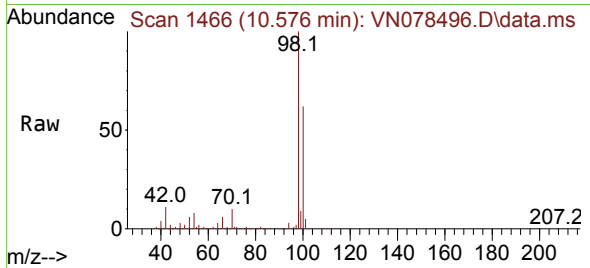




#50
Toluene-d8
Concen: 45.760 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

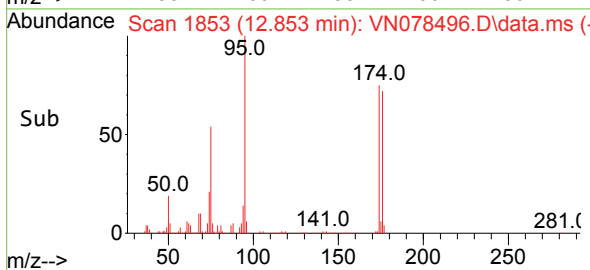
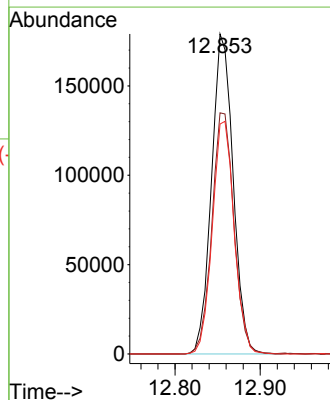
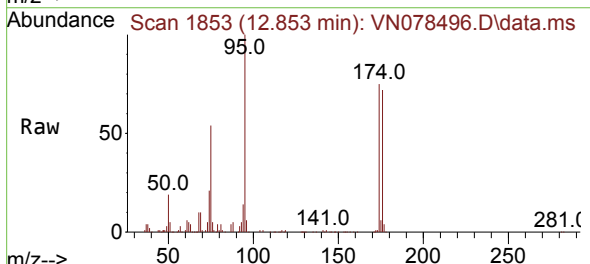
Instrument :
MSVOA_N
ClientSampleId :
230712039-08-TRIP-BLANK

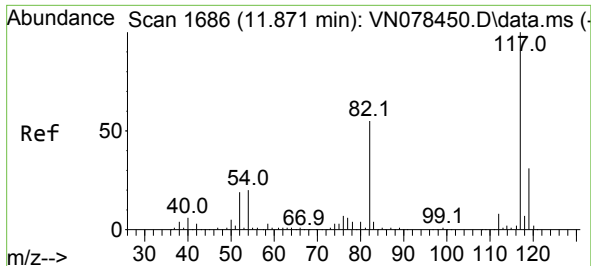
Tgt Ion: 98 Resp: 873254
Ion Ratio Lower Upper
98 100
100 62.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 53.604 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

Tgt Ion: 95 Resp: 315093
Ion Ratio Lower Upper
95 100
174 77.0 0.0 143.8
176 73.4 0.0 135.8

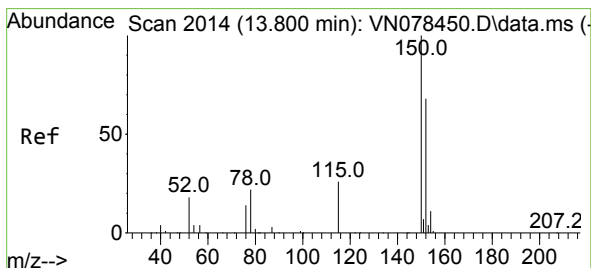
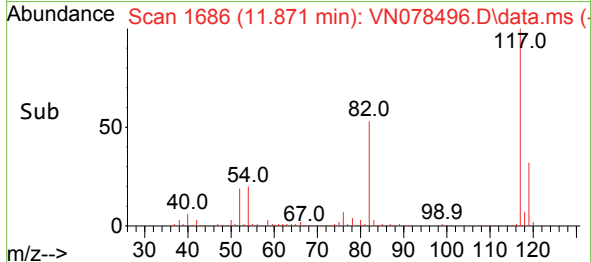
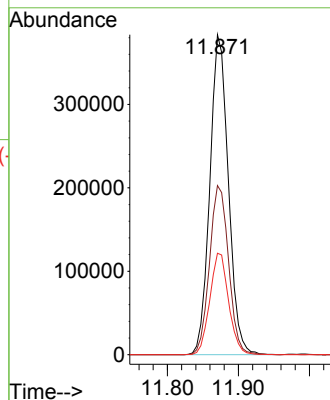
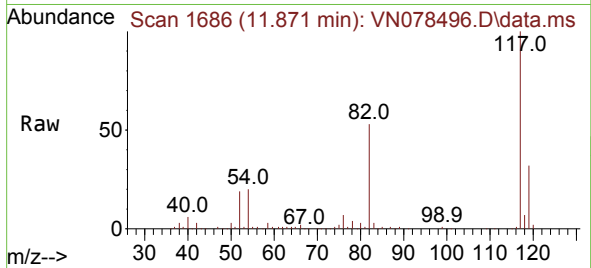




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

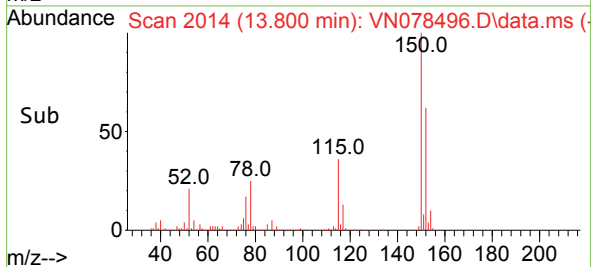
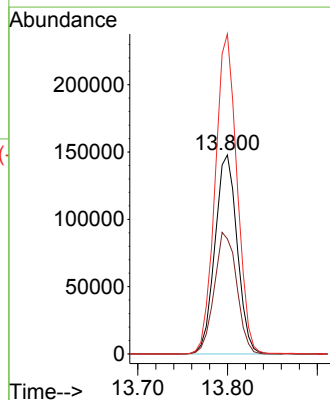
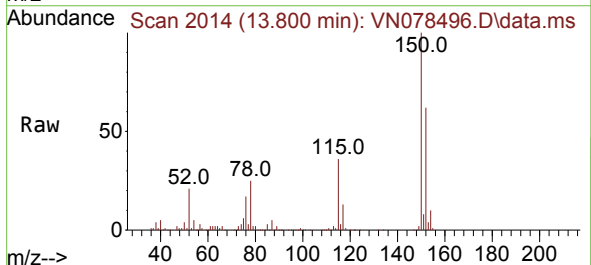
Instrument :
MSVOA_N
ClientSampleId :
230712039-08-TRIP-BLANK

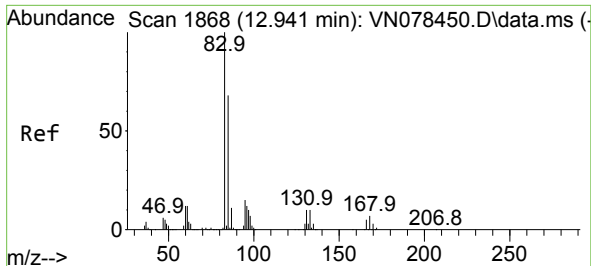
Tgt Ion:117 Resp: 694817
Ion Ratio Lower Upper
117 100
82 52.9 44.0 66.0
119 31.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

Tgt Ion:152 Resp: 254570
Ion Ratio Lower Upper
152 100
115 61.7 32.3 96.8
150 157.8 0.0 355.8

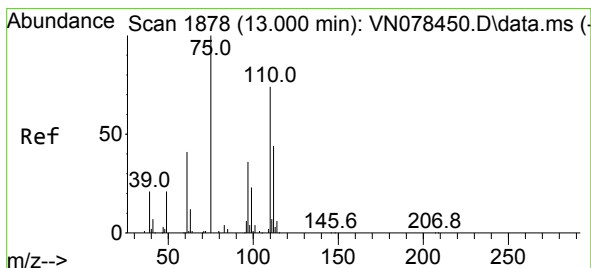
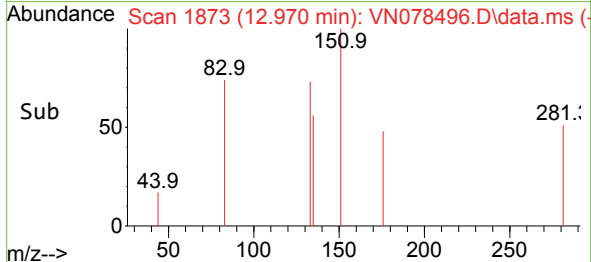
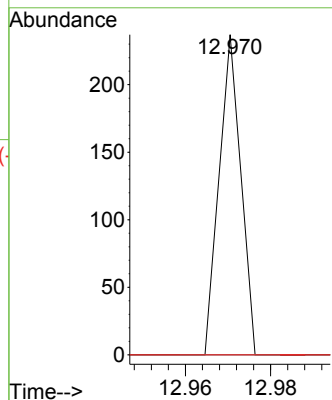
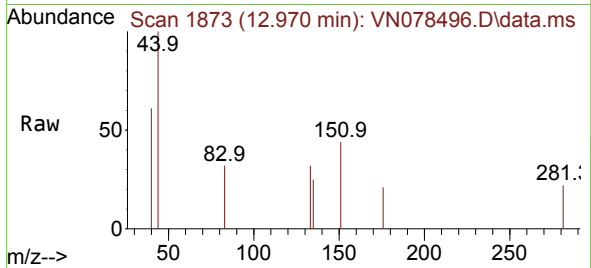




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.970 min Scan# 1853
Delta R.T. 0.029 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

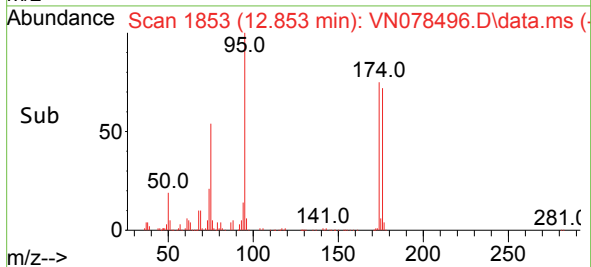
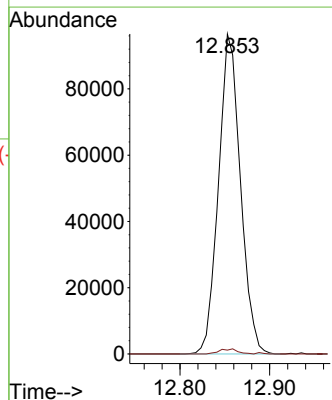
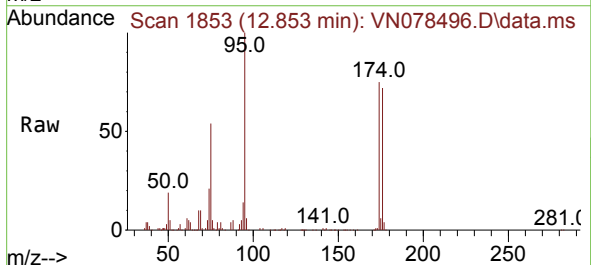
Instrument :
MSVOA_N
ClientSampleId :
230712039-08-TRIP-BLANK

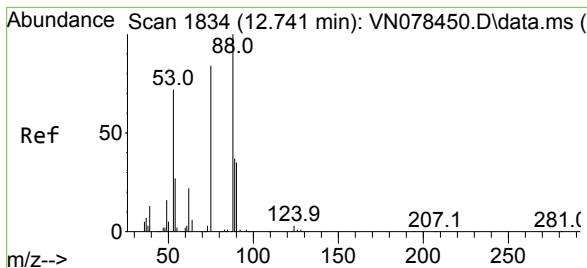
Tgt Ion: 83 Resp: 84
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 26.625 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

Tgt Ion: 75 Resp: 163832
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#

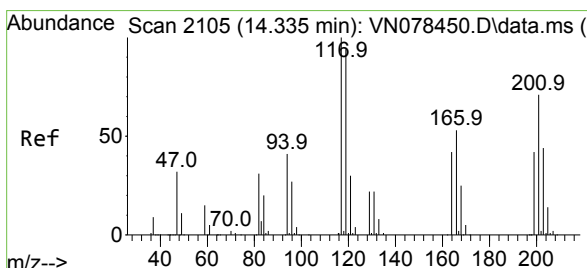
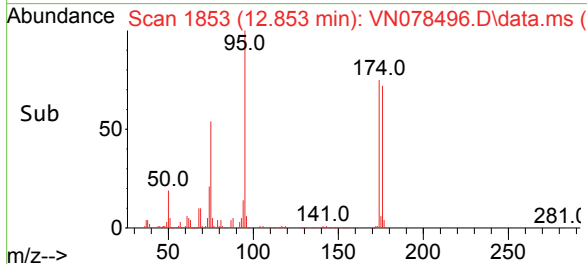
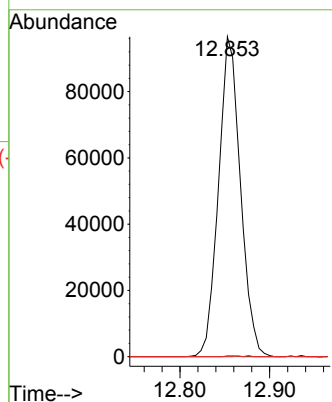
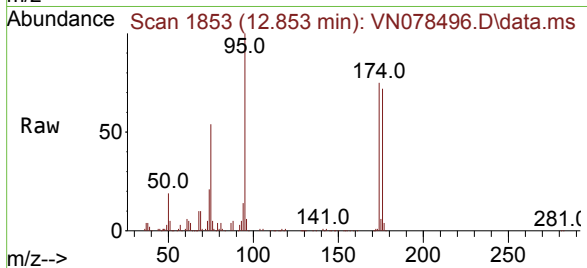




#81
trans-1,4-Dichloro-2-butene
Concen: 69.966 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

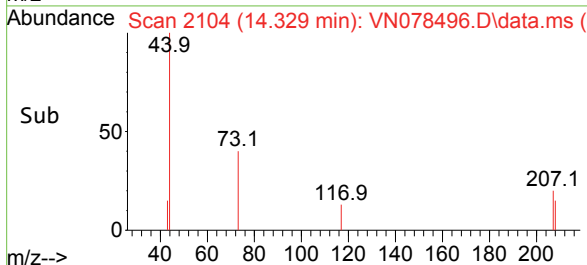
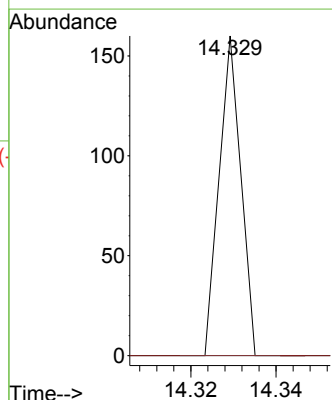
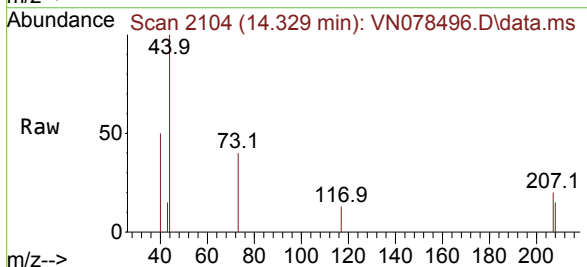
Instrument :
MSVOA_N
ClientSampleId :
230712039-08-TRIP-BLANK

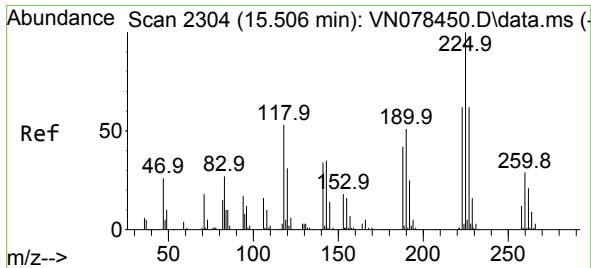
Tgt Ion: 75 Resp: 163832
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#90
Hexachloroethane
Concen: Below Cal
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN078496.D
Acq: 13 Jul 2023 14:11

Tgt Ion: 117 Resp: 56
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.488 min Scan# 21

Delta R.T. -0.018 min

Lab File: VN078496.D

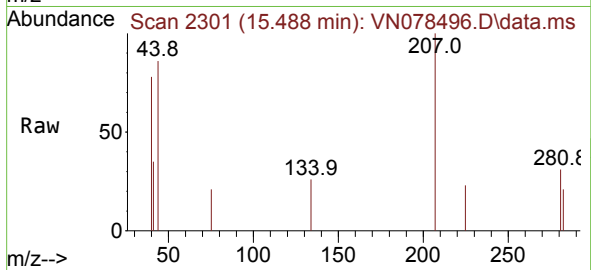
Acq: 13 Jul 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

230712039-08-TRIP-BLANK



Tgt Ion:225 Resp: 56

Ion Ratio Lower Upper

225 100

223 0.0 31.3 93.8#

227 0.0 31.9 95.9#

