

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
 Data File : VN078495.D
 Acq On : 13 Jul 2023 13:46
 Operator : JC\MD
 Sample : 03609-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230712039-09-TRIP-BLANK

Quant Time: Jul 14 01:32:48 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)

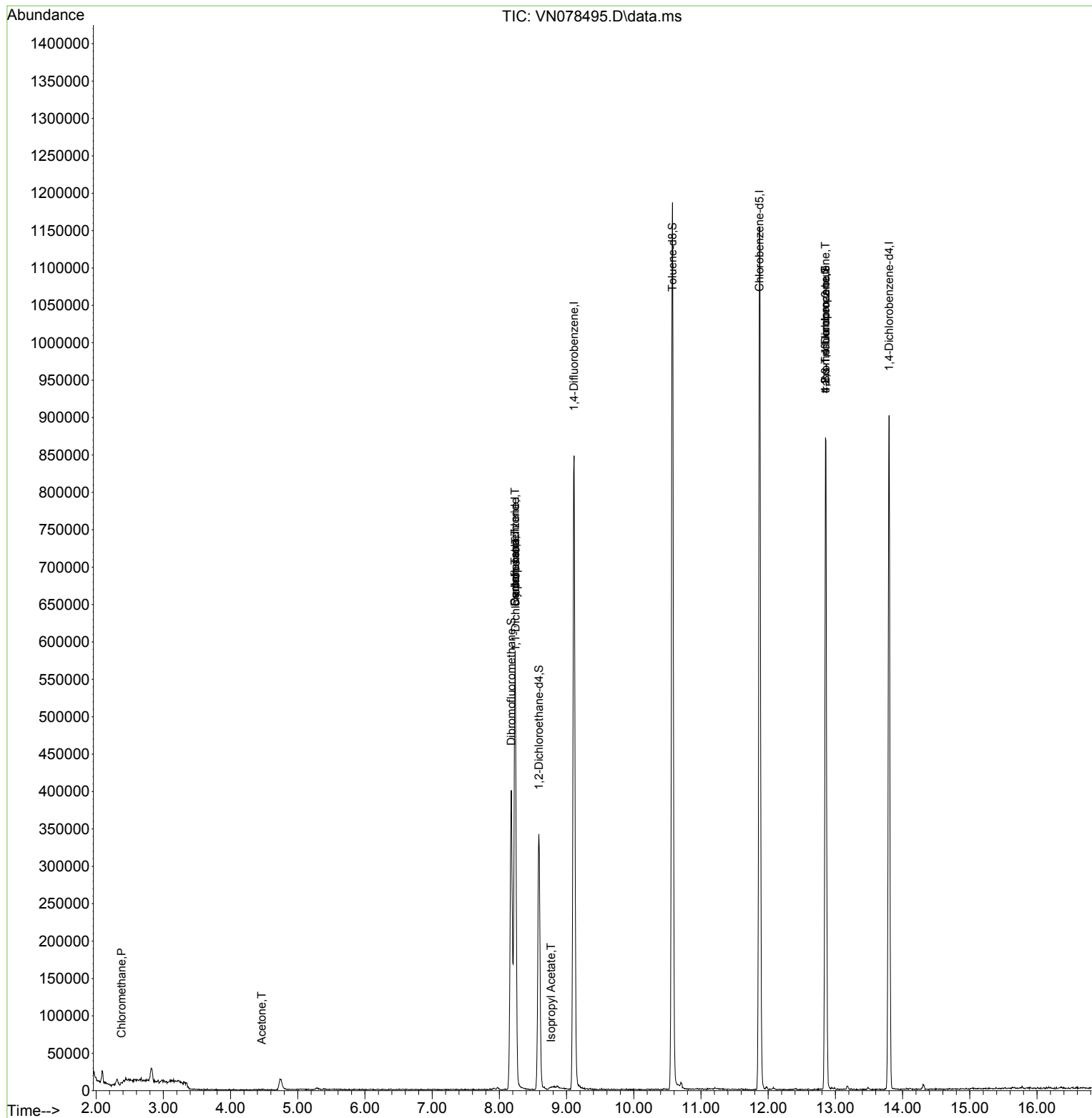
Internal Standards						
1) Pentafluorobenzene	8.236	168	426049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	757793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	706868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	249331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	277831	48.643	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.280%
35) Dibromofluoromethane	8.177	113	281542	54.731	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.460%
50) Toluene-d8	10.577	98	882921	45.434	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.860%
62) 4-Bromofluorobenzene	12.853	95	312375	52.186	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.380%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1652	0.291	ug/l #	42
5) Bromomethane	2.983	94	2104	Below Cal		93
6) Chloroethane	3.106	64	1318	Below Cal	#	87
16) Acetone	4.465	43	548	0.308	ug/l #	40
20) Methylene Chloride	5.295	84	1072	Below Cal	#	76
31) Cyclohexane	8.236	56	9597	1.243	ug/l #	41
36) 1,1-Dichloropropene	8.241	75	35695	4.806	ug/l #	48
38) Carbon Tetrachloride	8.236	117	45641	5.654	ug/l #	15
43) Isopropyl Acetate	8.771	43	2825	0.277	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.935	83	190	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	161602	26.815	ug/l #	1
77) Bromobenzene	12.971	156	55	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	161602	70.464	ug/l #	15

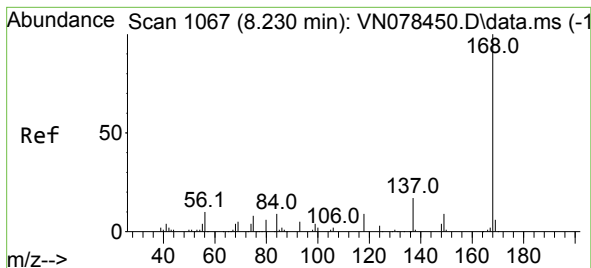
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1067

Delta R.T. 0.006 min

Lab File: VN078495.D

Acq: 13 Jul 2023 13:46

Instrument :

MSVOA_N

ClientSampleId :

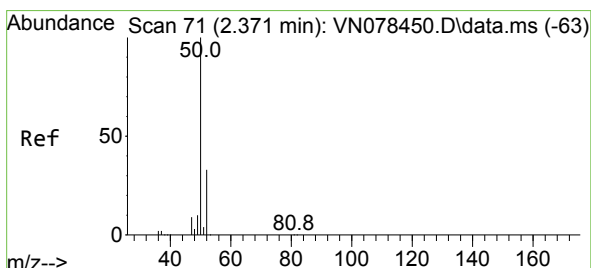
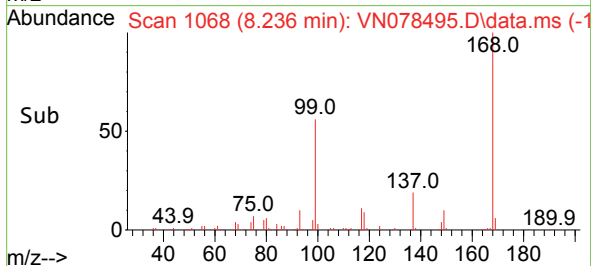
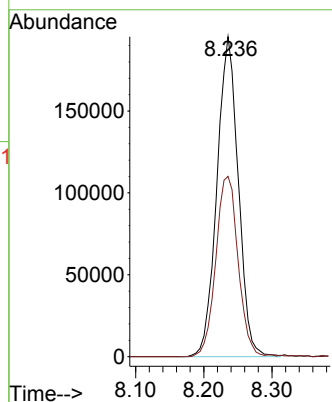
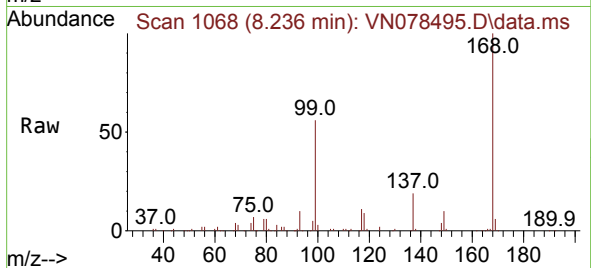
230712039-09-TRIP-BLANK

Tgt Ion:168 Resp: 426049

Ion Ratio Lower Upper

168 100

99 56.4 53.0 79.6



#3

Chloromethane

Concen: 0.291 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078495.D

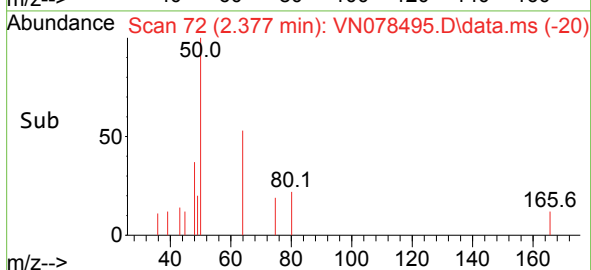
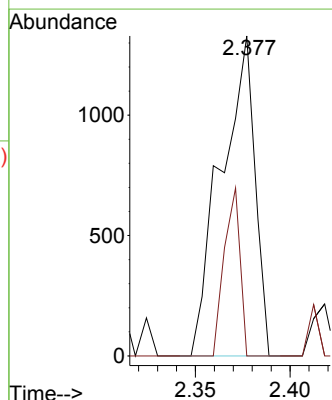
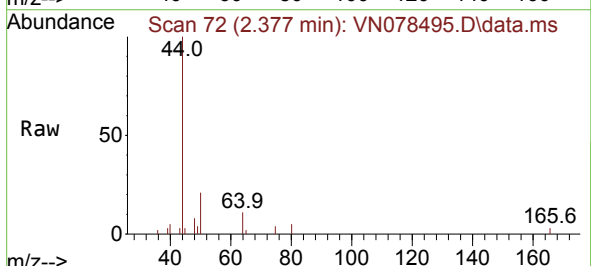
Acq: 13 Jul 2023 13:46

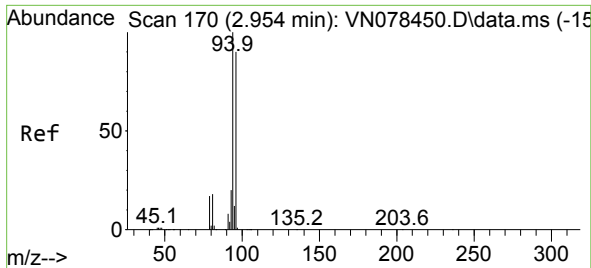
Tgt Ion: 50 Resp: 1652

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

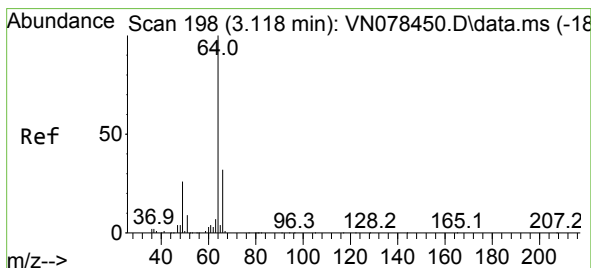
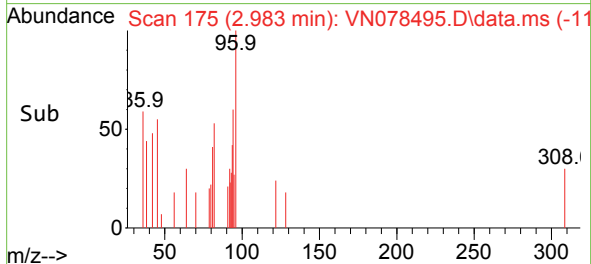
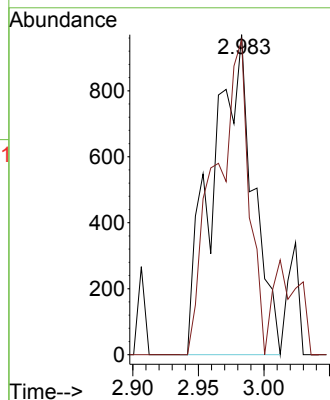
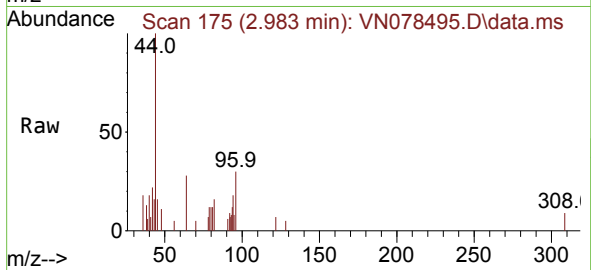




#5
Bromomethane
Concen: Below Cal
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078495.D
Acq: 13 Jul 2023 13:46

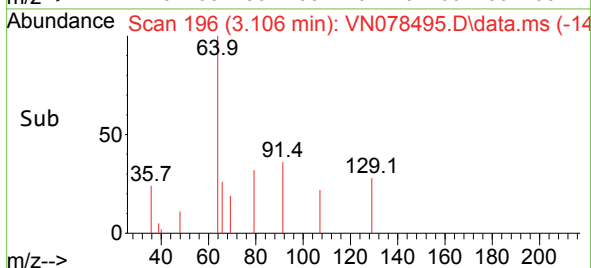
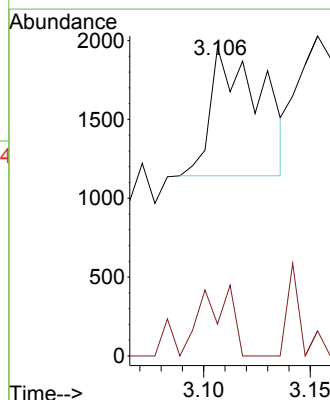
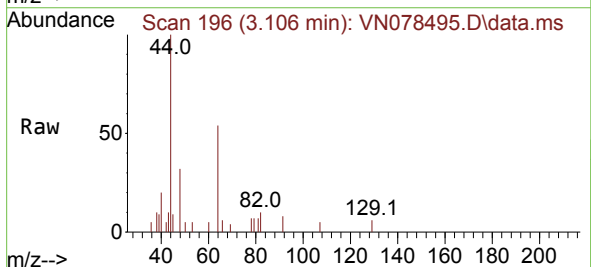
Instrument :
MSVOA_N
ClientSampleId :
230712039-09-TRIP-BLANK

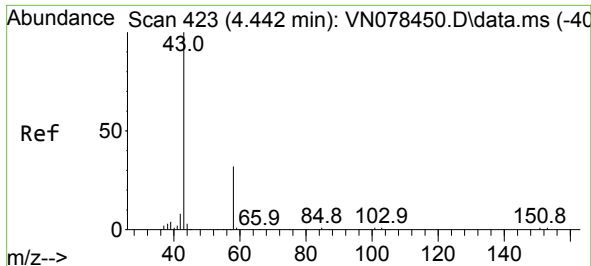
Tgt Ion: 94 Resp: 2104
Ion Ratio Lower Upper
94 100
96 98.4 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN078495.D
Acq: 13 Jul 2023 13:46

Tgt Ion: 64 Resp: 1318
Ion Ratio Lower Upper
64 100
66 24.8 25.4 38.2#





#16

Acetone

Concen: 0.308 ug/l

RT: 4.465 min Scan# 41

Delta R.T. 0.023 min

Lab File: VN078495.D

Acq: 13 Jul 2023 13:46

Instrument :

MSVOA_N

ClientSampleId :

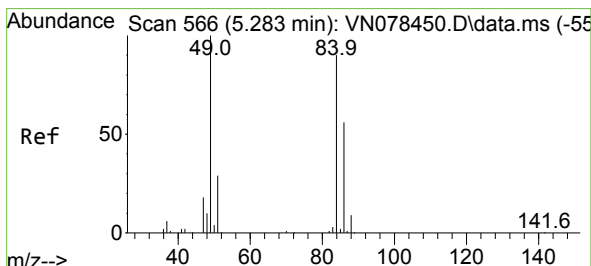
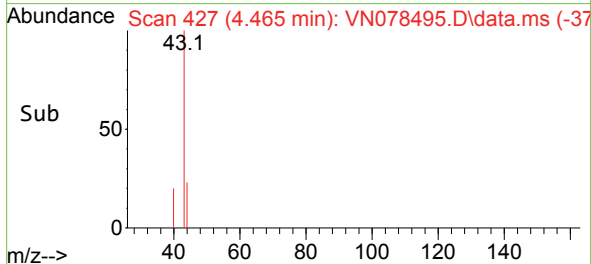
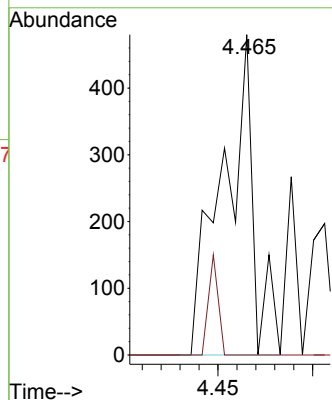
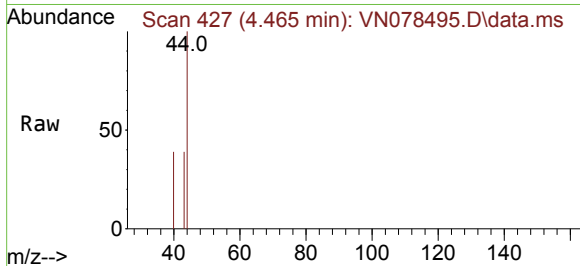
230712039-09-TRIP-BLANK

Tgt Ion: 43 Resp: 548

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.295 min Scan# 568

Delta R.T. 0.012 min

Lab File: VN078495.D

Acq: 13 Jul 2023 13:46

Tgt Ion: 84 Resp: 1072

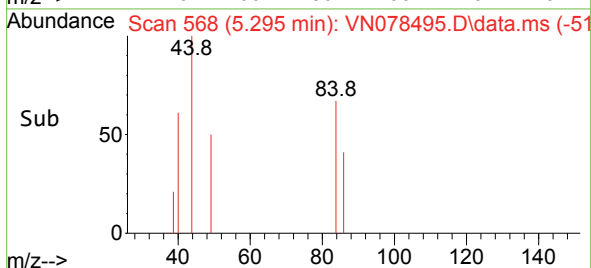
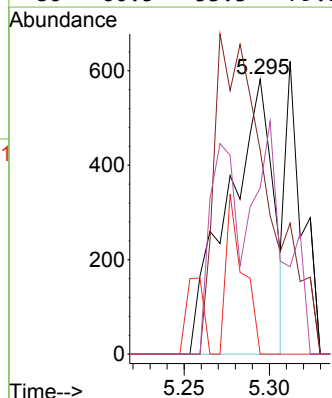
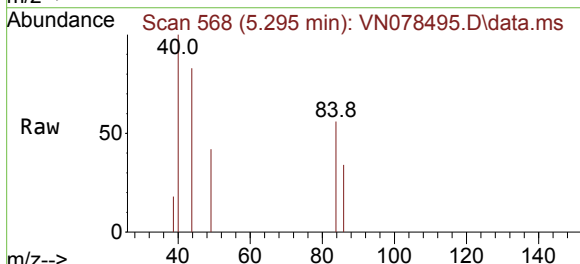
Ion Ratio Lower Upper

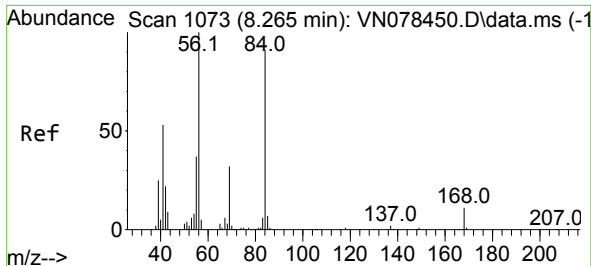
84 100

49 74.2 79.7 119.5#

51 0.0 25.2 37.8#

86 60.5 53.3 79.9

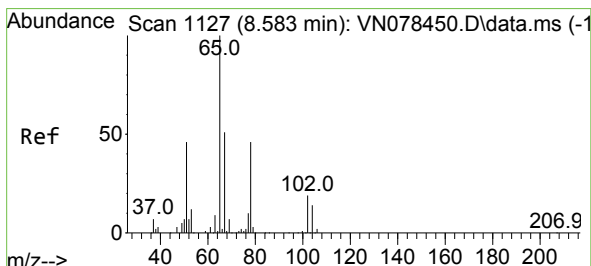
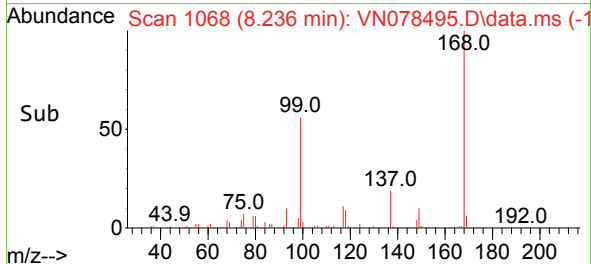
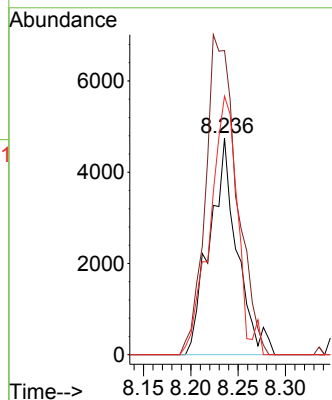
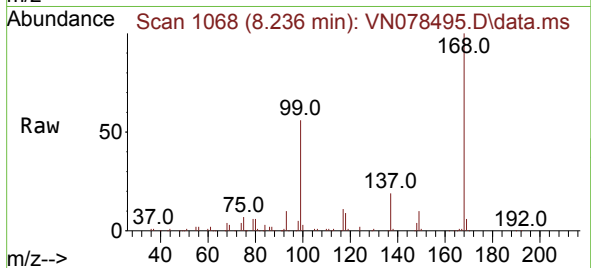




#31
Cyclohexane
Concen: 1.243 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078495.D
Acq: 13 Jul 2023 13:46

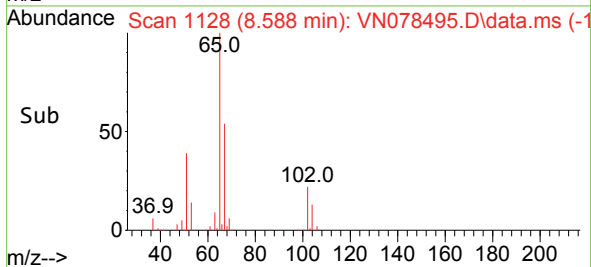
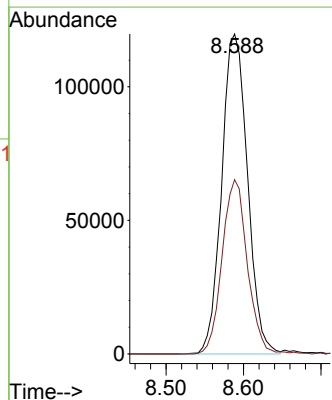
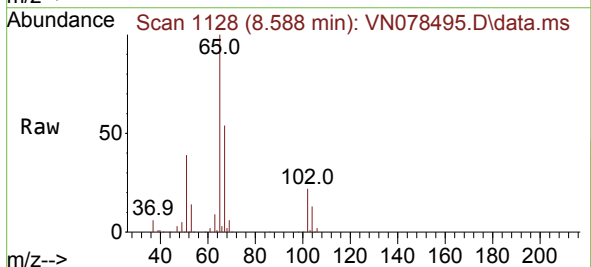
Instrument :
MSVOA_N
ClientSampleId :
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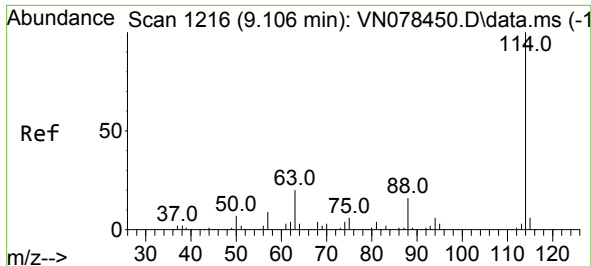
Tgt Ion: 56 Resp: 9597
Ion Ratio Lower Upper
56 100
69 140.5 26.8 40.2#
84 119.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 48.643 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078495.D
Acq: 13 Jul 2023 13:46

Tgt Ion: 65 Resp: 277831
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.6

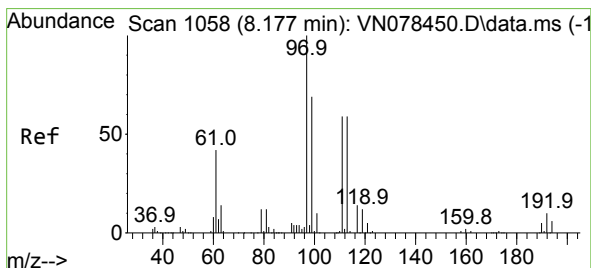
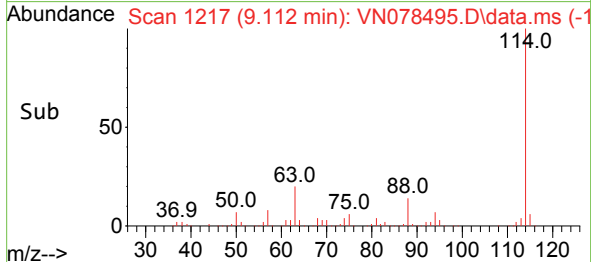
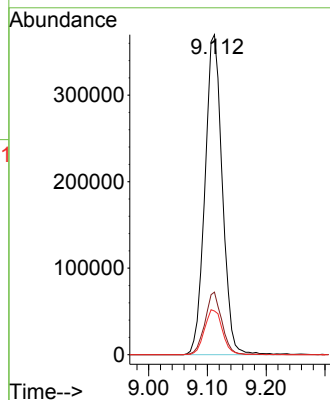
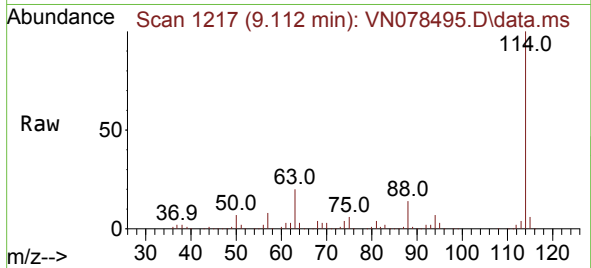




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078495.D
Acq: 13 Jul 2023 13:46

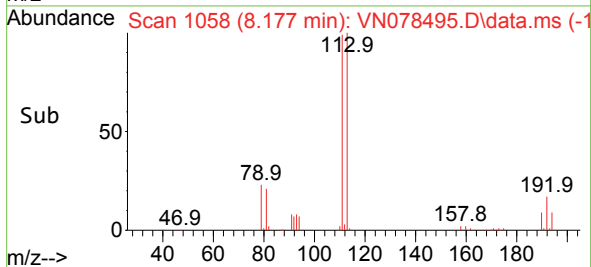
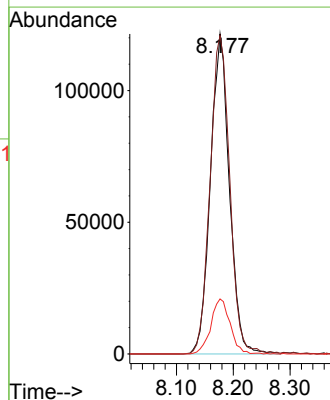
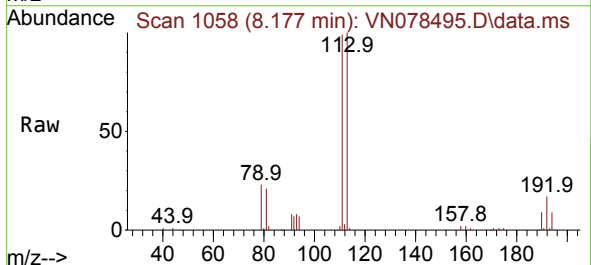
Instrument :
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ClientSampleId :
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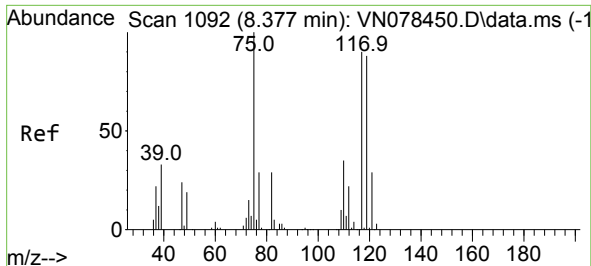
Tgt Ion:114 Resp: 757793
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.4
88 13.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.731 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078495.D
Acq: 13 Jul 2023 13:46

Tgt Ion:113 Resp: 281542
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 17.5 12.7 19.1

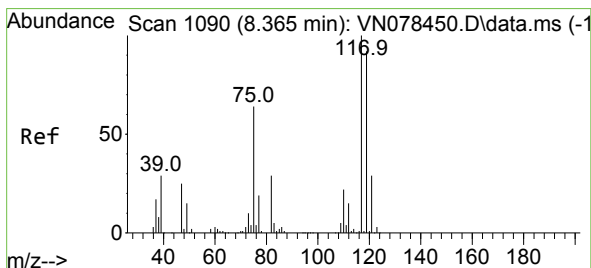
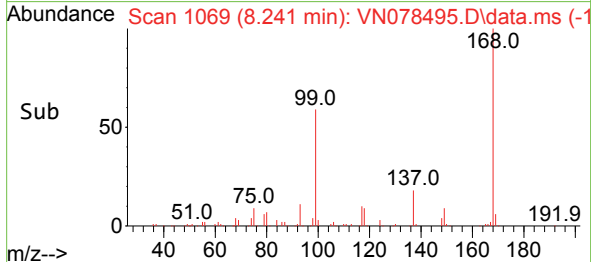
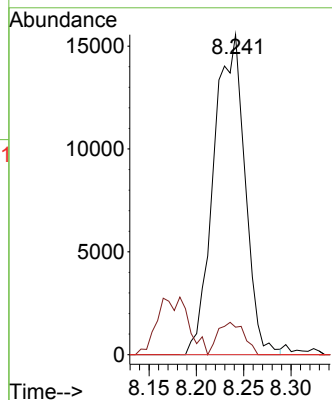
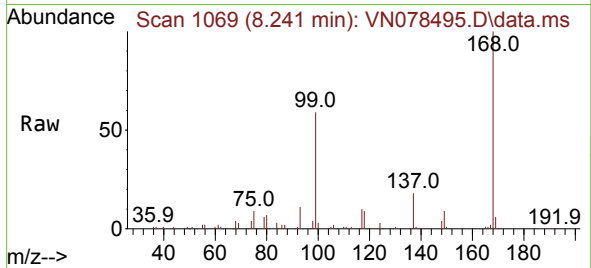




#36
1,1-Dichloropropene
Concen: 4.806 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.136 min
Lab File: VN078495.D
Acq: 13 Jul 2023 13:46

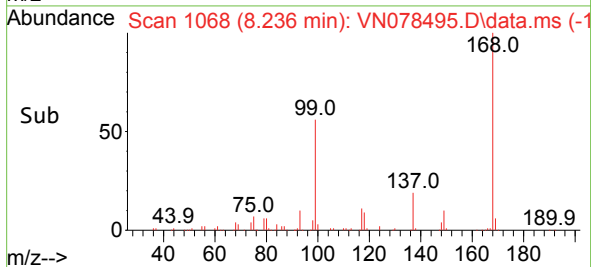
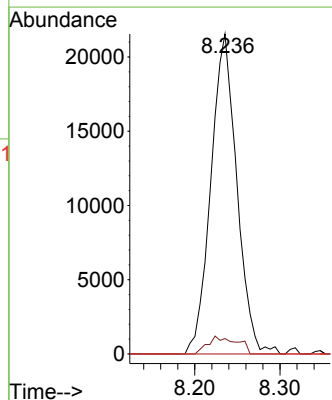
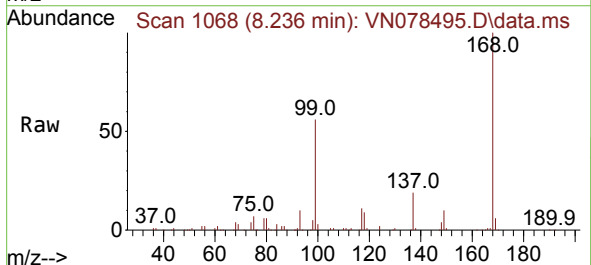
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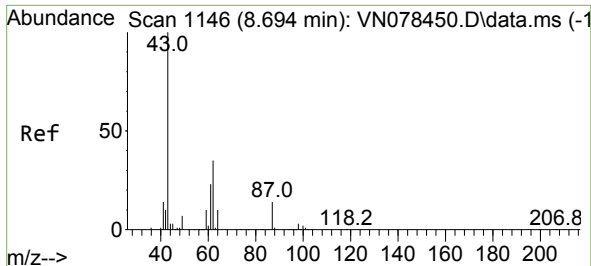
Tgt Ion: 75 Resp: 35695
Ion Ratio Lower Upper
75 100
110 8.5 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.654 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.129 min
Lab File: VN078495.D
Acq: 13 Jul 2023 13:46

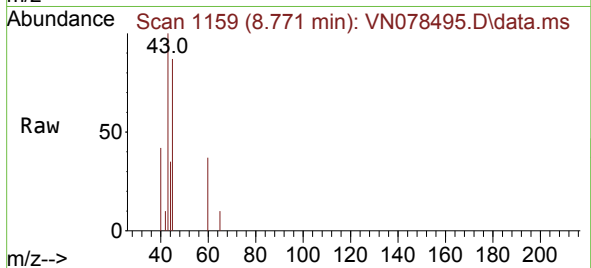
Tgt Ion: 117 Resp: 45641
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 23.3 34.9#



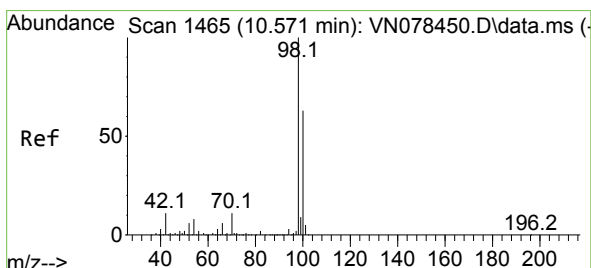
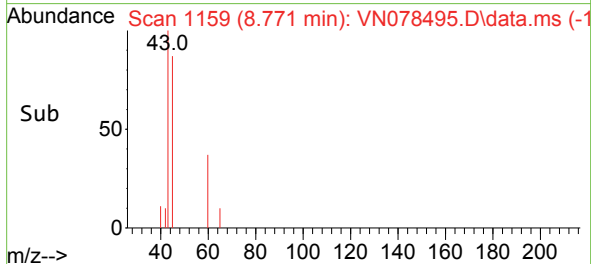
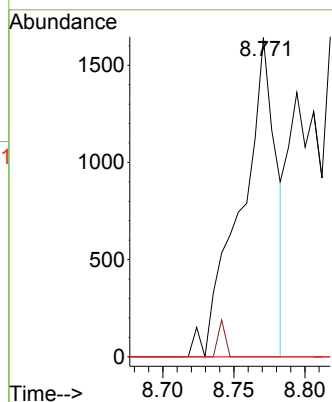


#43
Isopropyl Acetate
Concen: 0.277 ug/l
RT: 8.771 min Scan# 1159
Delta R.T. 0.077 min
Lab File: VN078495.D
Acq: 13 Jul 2023 13:46

Instrument :
MSVOA_N
ClientSampleId :
230712039-09-TRIP-BLANK

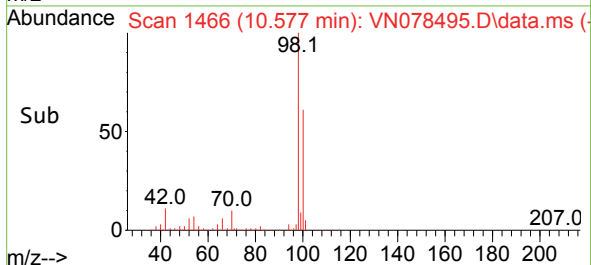
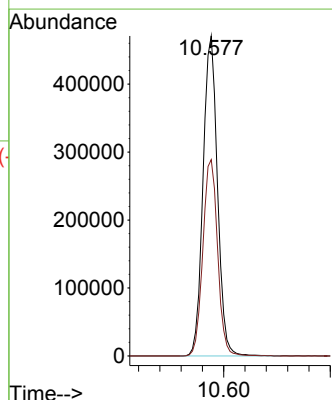
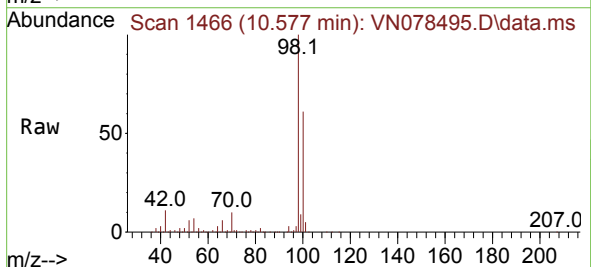


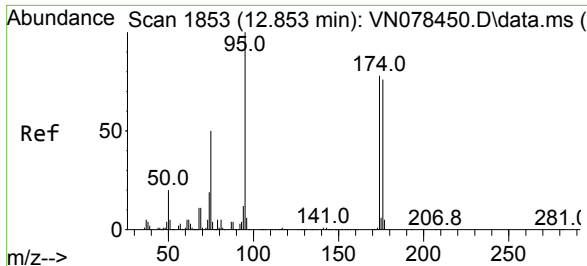
Tgt Ion: 43 Resp: 2825
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 45.434 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078495.D
Acq: 13 Jul 2023 13:46

Tgt Ion: 98 Resp: 882921
Ion Ratio Lower Upper
98 100
100 62.7 52.0 78.0

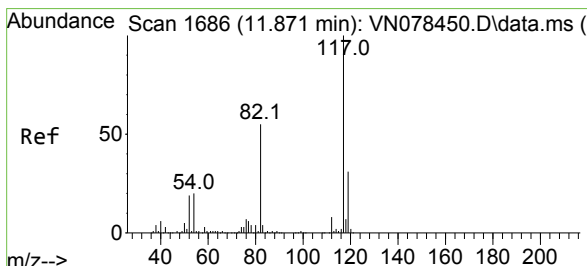
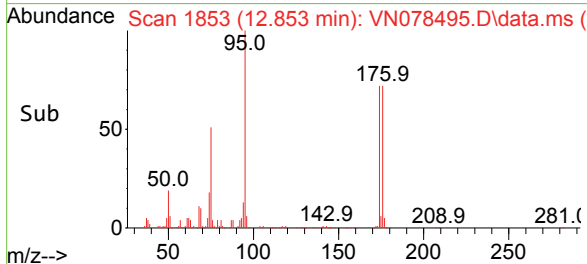
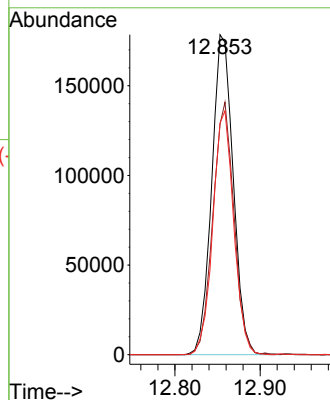
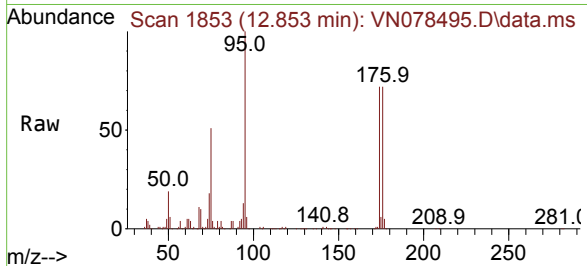




#62
4-Bromofluorobenzene
Concen: 52.186 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078495.D
Acq: 13 Jul 2023 13:46

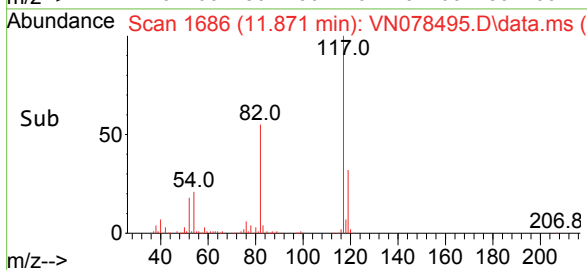
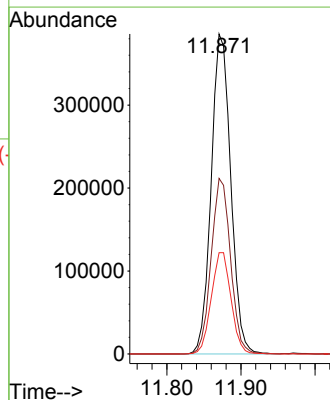
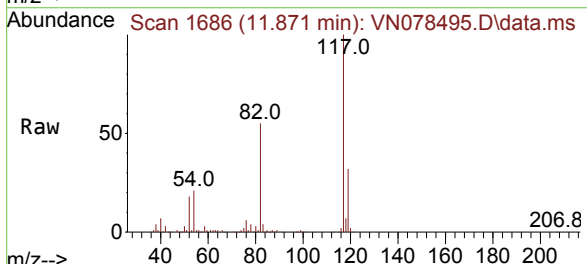
Instrument :
MSVOA_N
ClientSampleId :
230712039-09-TRIP-BLANK

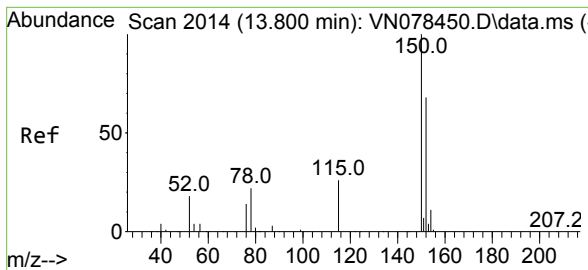
Tgt Ion: 95 Resp: 312375
Ion Ratio Lower Upper
95 100
174 77.7 0.0 143.8
176 74.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078495.D
Acq: 13 Jul 2023 13:46

Tgt Ion: 117 Resp: 706868
Ion Ratio Lower Upper
117 100
82 54.8 44.0 66.0
119 31.7 25.6 38.4

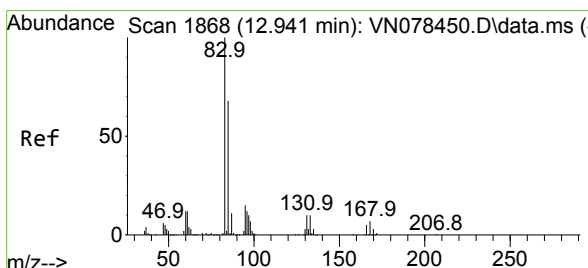
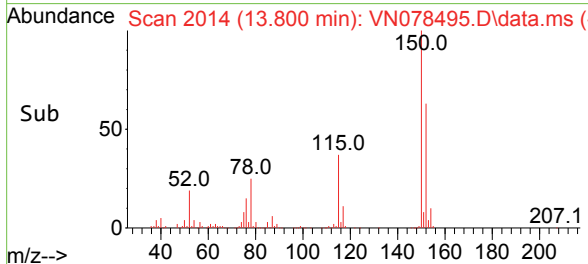
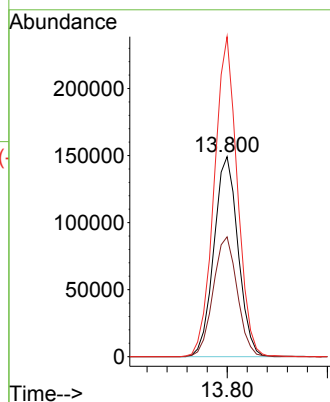
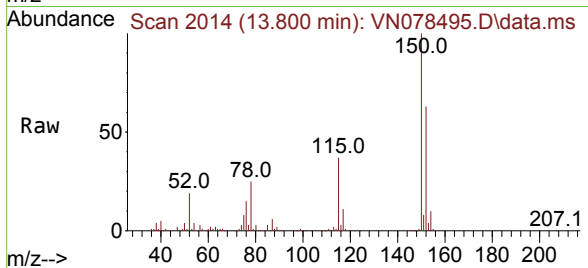




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078495.D
 Acq: 13 Jul 2023 13:46

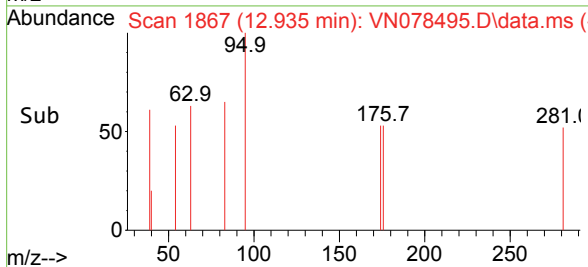
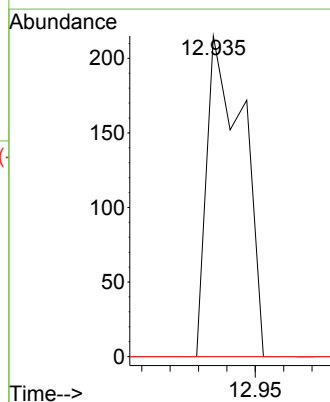
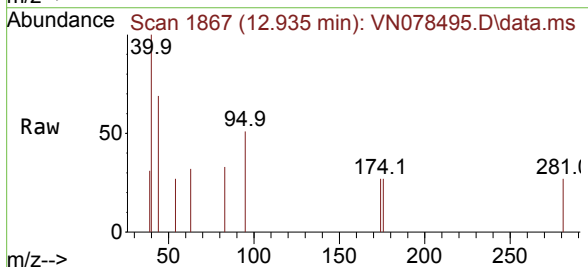
Instrument :
 MSVOA_N
 ClientSampleId :
 230712039-09-TRIP-BLANK

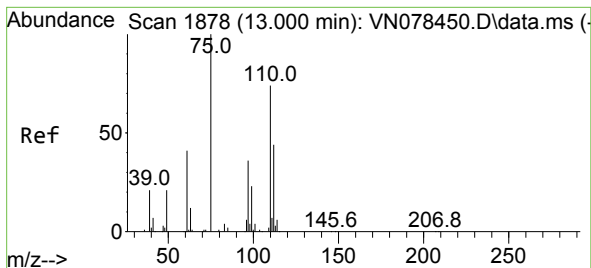
Tgt Ion:152 Resp: 249331
 Ion Ratio Lower Upper
 152 100
 115 59.8 32.3 96.8
 150 153.5 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.935 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: VN078495.D
 Acq: 13 Jul 2023 13:46

Tgt Ion: 83 Resp: 190
 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: 26.815 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078495.D

Acq: 13 Jul 2023 13:46

Instrument :

MSVOA_N

ClientSampleId :

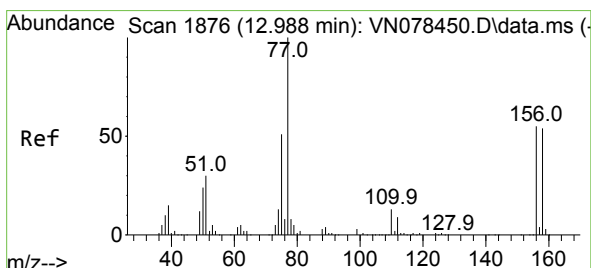
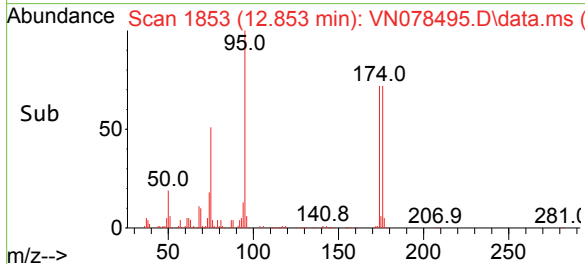
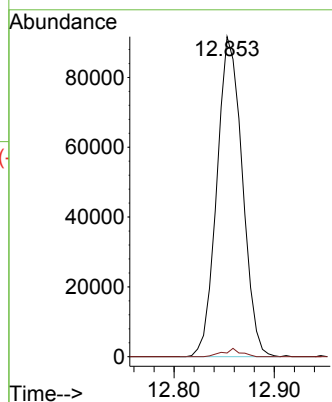
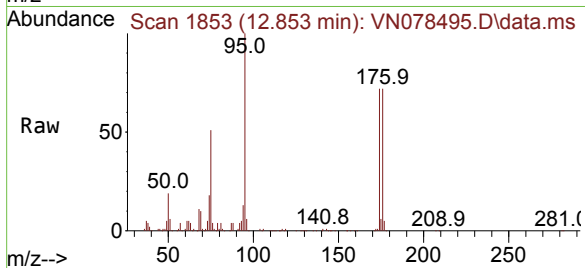
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Tgt Ion: 75 Resp: 161602

Ion Ratio Lower Upper

75 100

77 1.8 84.5 253.5#



#77

Bromobenzene

Concen: Below Cal

RT: 12.971 min Scan# 1873

Delta R.T. -0.017 min

Lab File: VN078495.D

Acq: 13 Jul 2023 13:46

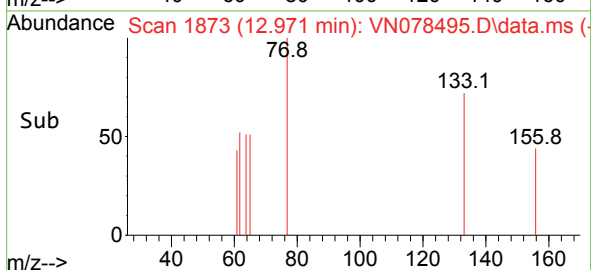
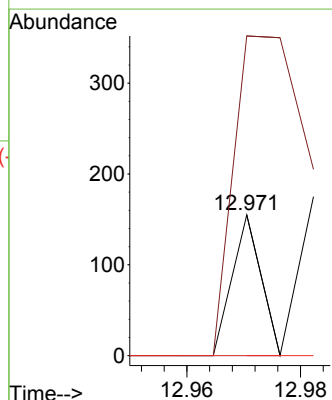
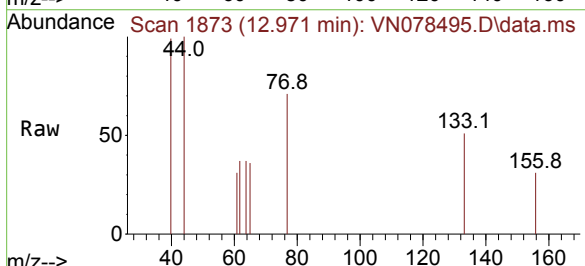
Tgt Ion:156 Resp: 55

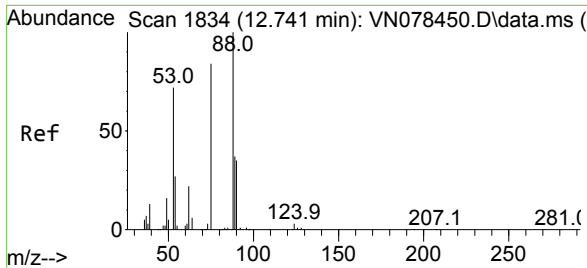
Ion Ratio Lower Upper

156 100

77 581.8 107.7 323.3#

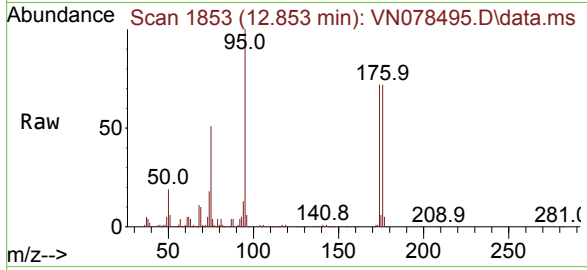
158 0.0 48.4 145.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.464 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078495.D
 Acq: 13 Jul 2023 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 230712039-09-TRIP-BLANK



Tgt Ion: 75 Resp: 161602
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

