

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072023\
 Data File : VN078590.D
 Acq On : 20 Jul 2023 13:21
 Operator : JC\MD
 Sample : 03674-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 21 06:11:06 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)

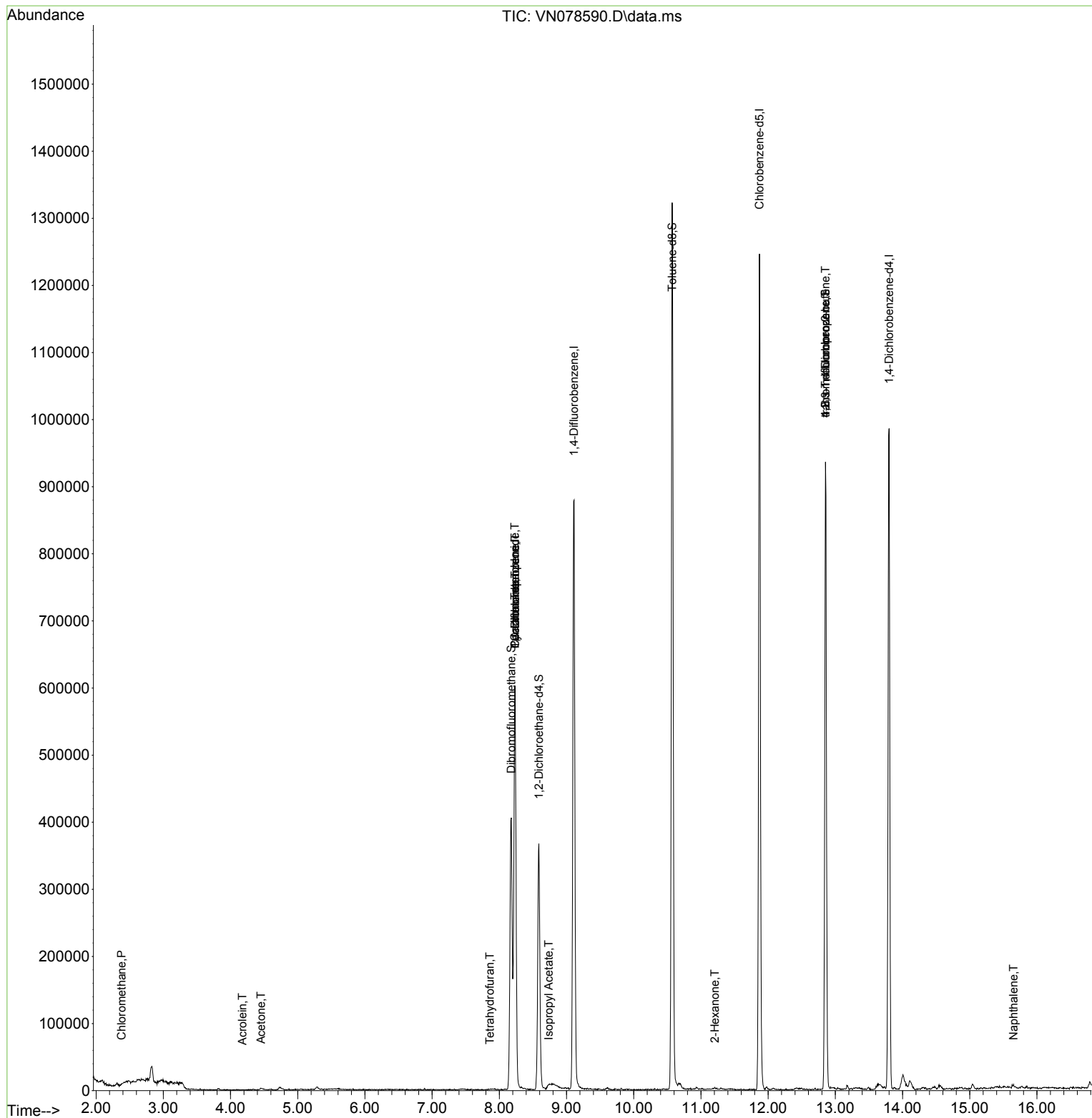
Internal Standards						
1) Pentafluorobenzene	8.236	168	442187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	796102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	745510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	279120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	291827	49.229	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.460%
35) Dibromofluoromethane	8.177	113	293992	54.401	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.800%
50) Toluene-d8	10.571	98	953623	46.711	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.420%
62) 4-Bromofluorobenzene	12.853	95	329465	52.393	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.780%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	2026	0.344	ug/l #	63
5) Bromomethane	2.971	94	2640	Below Cal	#	77
6) Chloroethane	3.095	64	855	Below Cal	#	43
13) Acrolein	4.177	56	346	0.385	ug/l #	16
16) Acetone	4.453	43	2430	1.316	ug/l #	65
20) Methylene Chloride	5.277	84	2711	Below Cal	#	85
29) Tetrahydrofuran	7.859	42	435	0.228	ug/l #	50
31) Cyclohexane	8.236	56	11120	1.388	ug/l #	58
36) 1,1-Dichloropropene	8.236	75	36456	4.672	ug/l #	48
38) Carbon Tetrachloride	8.230	117	47236	5.570	ug/l #	15
43) Isopropyl Acetate	8.736	43	6542	0.611	ug/l #	49
59) 2-Hexanone	11.206	43	1900	0.420	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.941	83	412	Below Cal	#	77
76) 1,2,3-Trichloropropane	12.853	75	174047	25.797	ug/l #	1
77) Bromobenzene	12.988	156	436	Below Cal		66
81) trans-1,4-Dichloro-2-b...	12.853	75	174047	67.791	ug/l #	15
90) Hexachloroethane	14.341	117	195	Below Cal		77
92) 1,2-Dibromo-3-Chloropr...	14.712	75	168	Below Cal	#	26
94) Hexachlorobutadiene	15.506	225	311	Below Cal	#	38
95) Naphthalene	15.653	128	4499	0.412	ug/l #	69

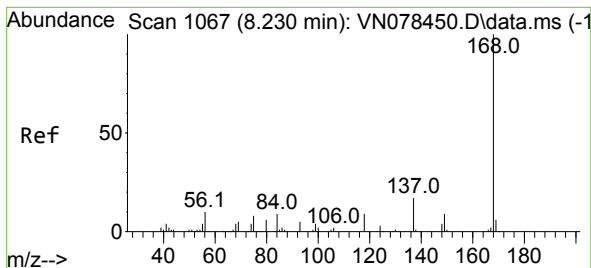
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078590.D

Acq: 20 Jul 2023 13:21

Instrument :

MSVOA_N

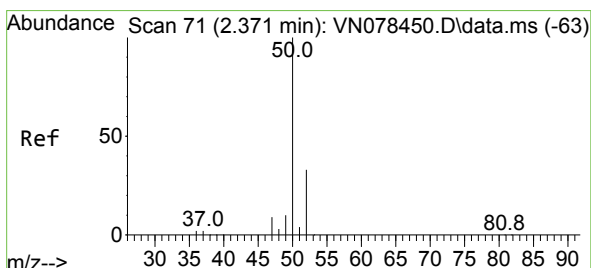
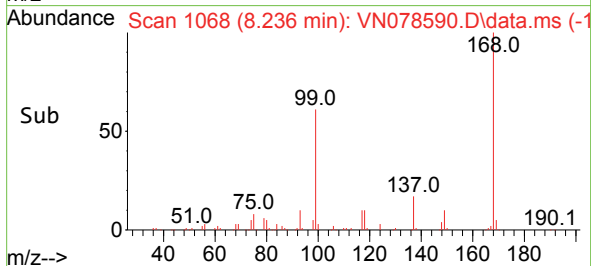
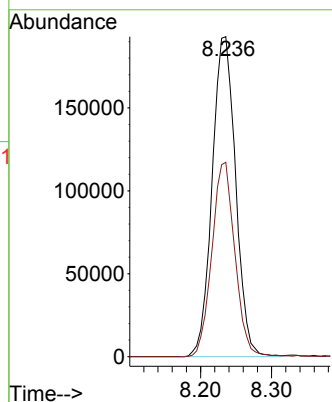
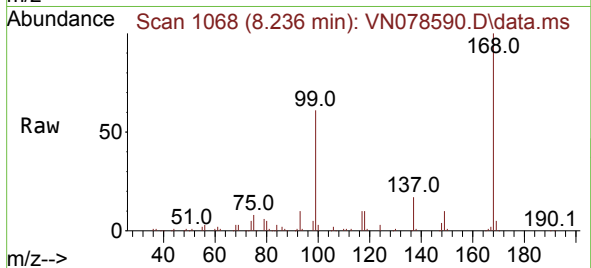
ClientSampleId :

Tgt Ion:168 Resp: 442187

Ion Ratio Lower Upper

168 100

99 60.7 53.0 79.6



#3

Chloromethane

Concen: 0.344 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078590.D

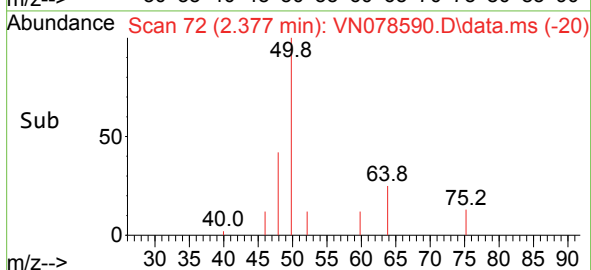
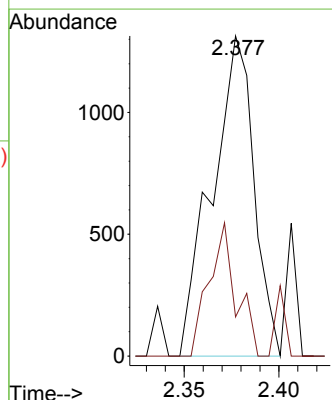
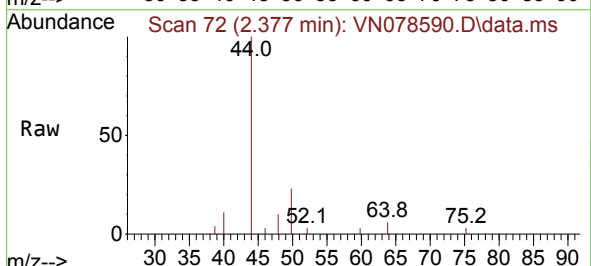
Acq: 20 Jul 2023 13:21

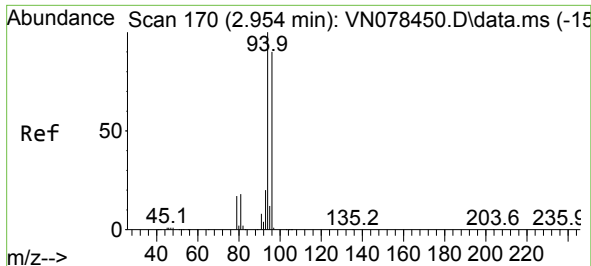
Tgt Ion: 50 Resp: 2026

Ion Ratio Lower Upper

50 100

52 12.3 26.5 39.7#

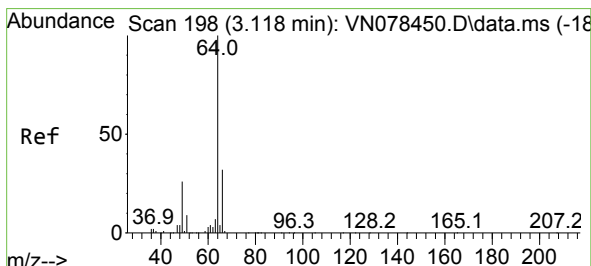
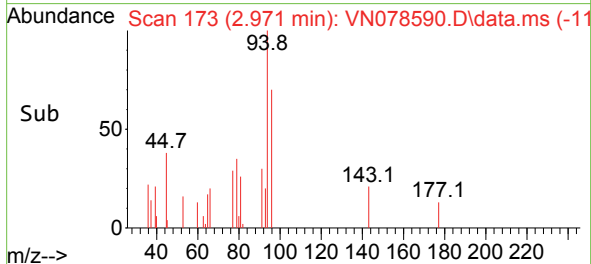
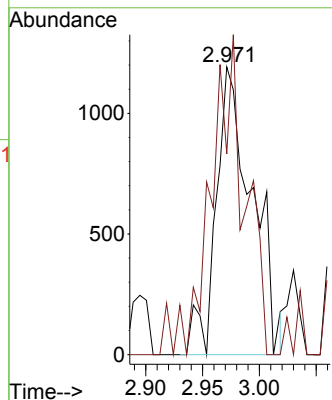
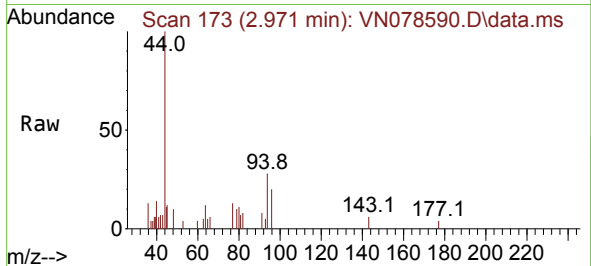




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

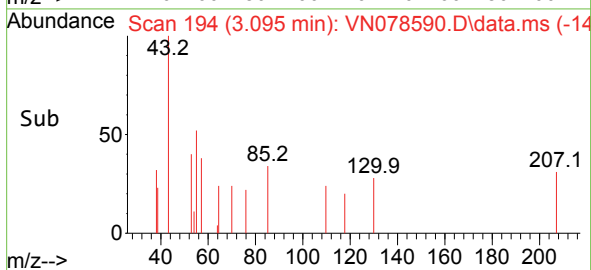
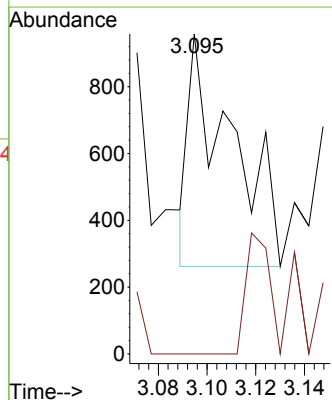
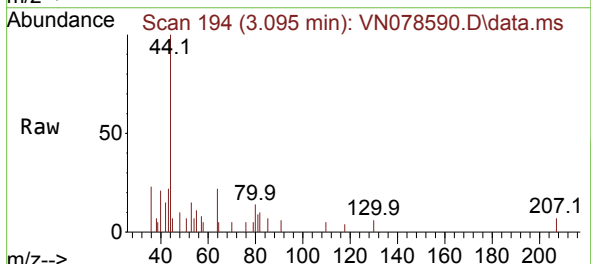
Instrument :
MSVOA_N
ClientSampleId :

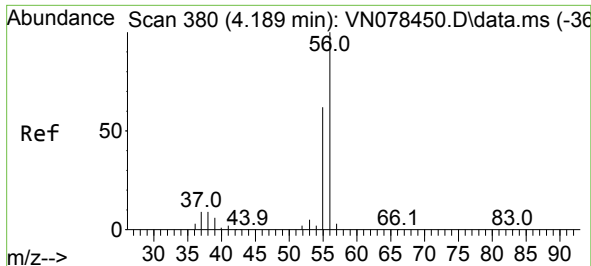
Tgt Ion: 94 Resp: 2640
Ion Ratio Lower Upper
94 100
96 69.7 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 194
Delta R.T. -0.023 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

Tgt Ion: 64 Resp: 855
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

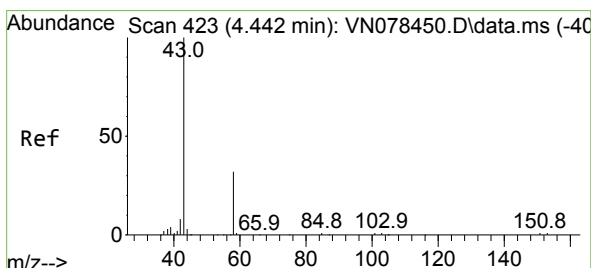
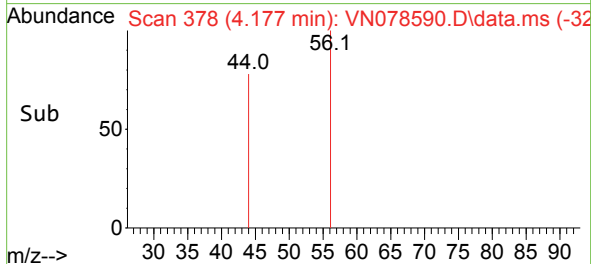
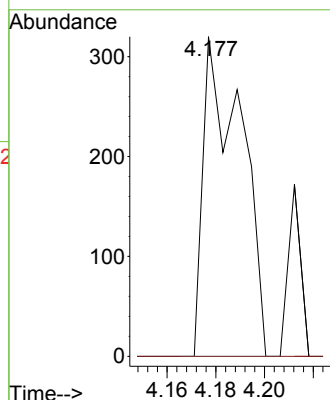
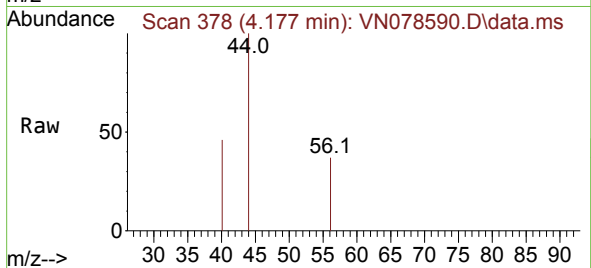




#13
Acrolein
Concen: 0.385 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

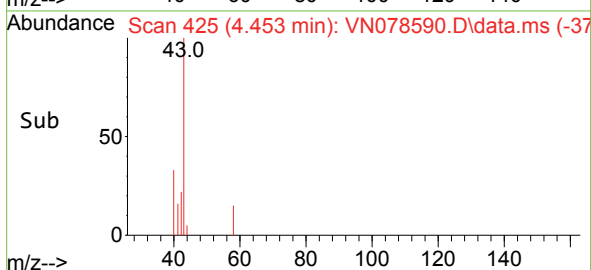
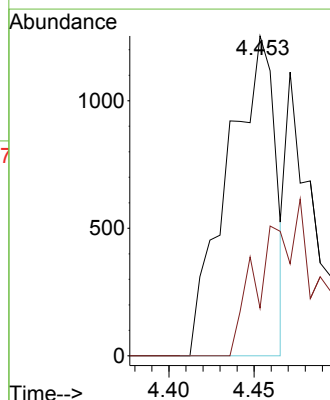
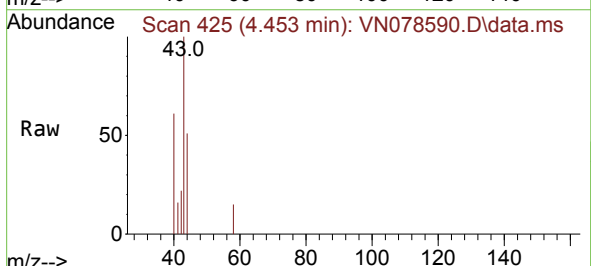
Instrument :
MSVOA_N
ClientSampleId :

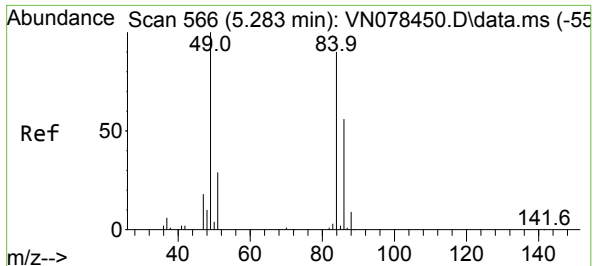
Tgt Ion: 56 Resp: 346
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 1.316 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

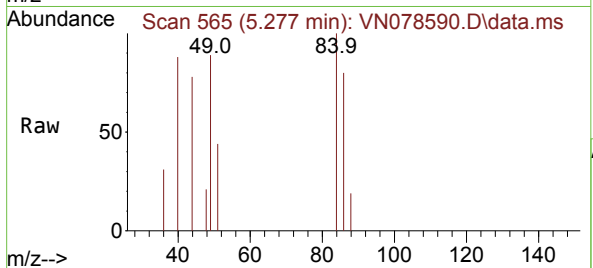
Tgt Ion: 43 Resp: 2430
Ion Ratio Lower Upper
43 100
58 14.9 28.0 42.0#



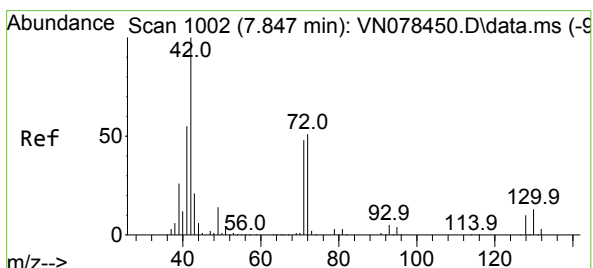
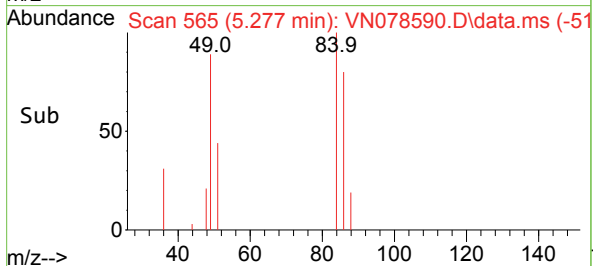
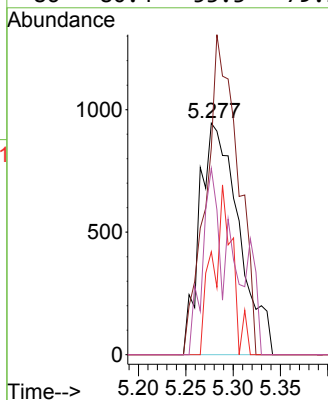


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

Instrument :
MSVOA_N
ClientSampleId :

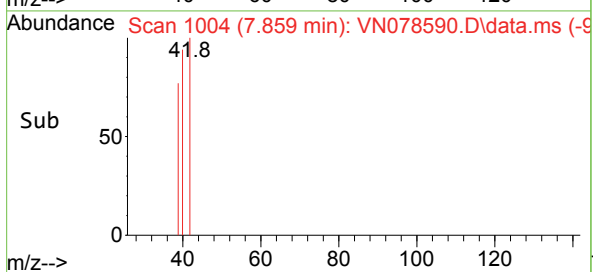
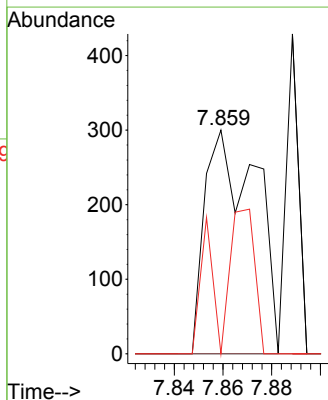
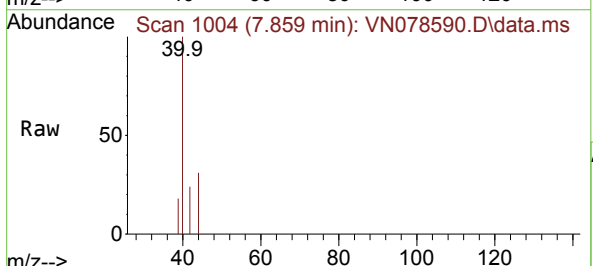


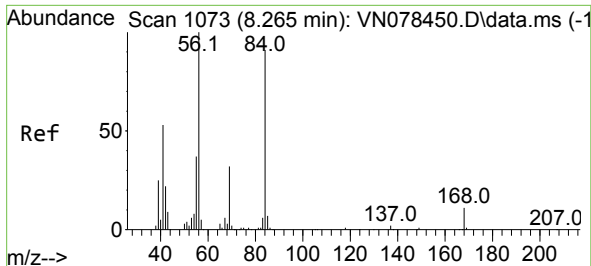
Tgt Ion:	84	Resp:	2711
Ion	Ratio	Lower	Upper
84	100		
49	89.3	79.7	119.5
51	44.4	25.2	37.8#
86	80.4	53.3	79.9#



#29
Tetrahydrofuran
Concen: 0.228 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

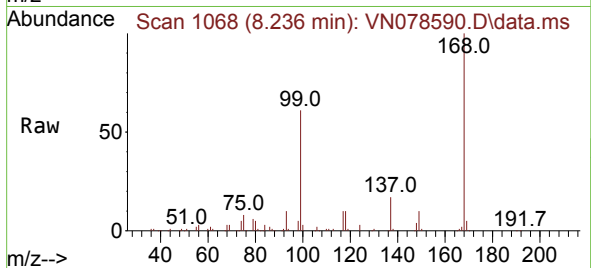
Tgt Ion:	42	Resp:	435
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	46.0	47.4	71.2#



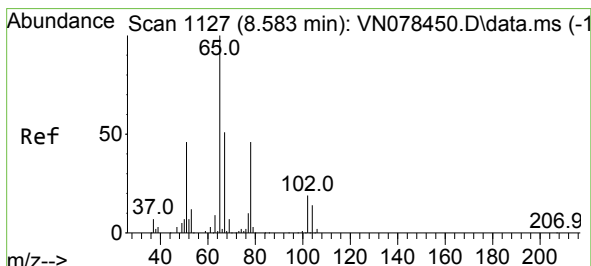
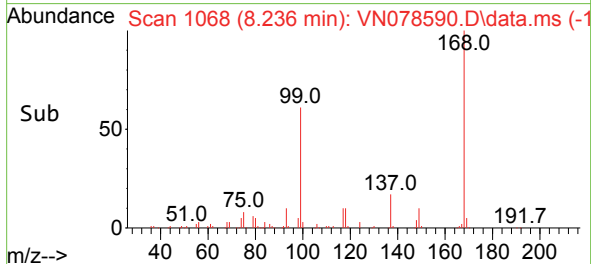
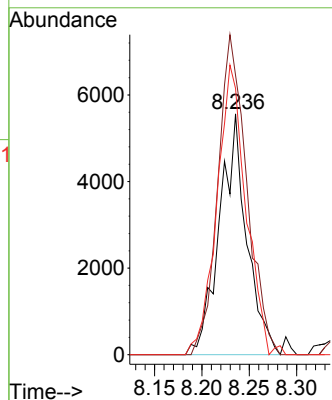


#31
Cyclohexane
Concen: 1.388 ug/l
RT: 8.236 min Scan# 1107
Delta R.T. -0.029 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

Instrument :
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ClientSampleId :

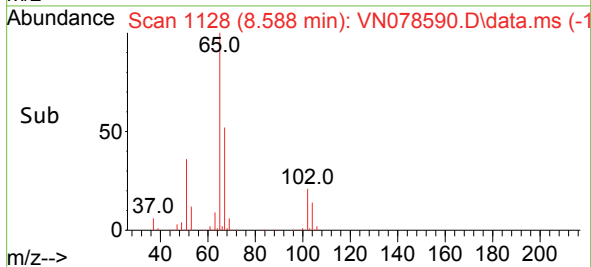
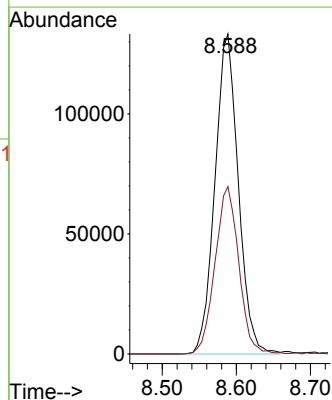
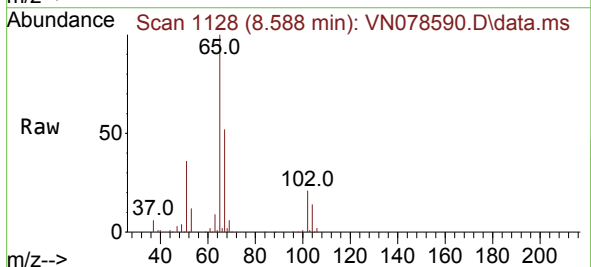


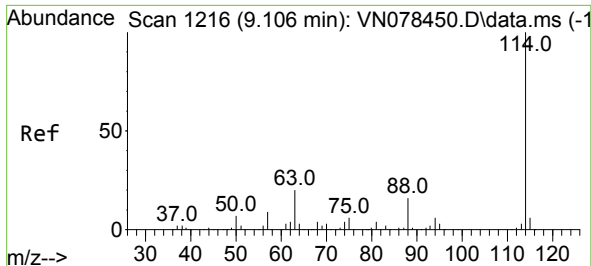
Tgt Ion: 56 Resp: 11120
Ion Ratio Lower Upper
56 100
69 116.0 26.8 40.2#
84 110.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 49.229 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

Tgt Ion: 65 Resp: 291827
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.6

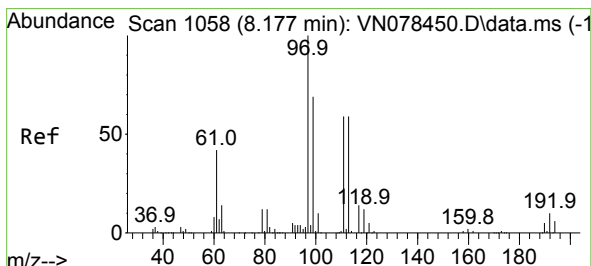
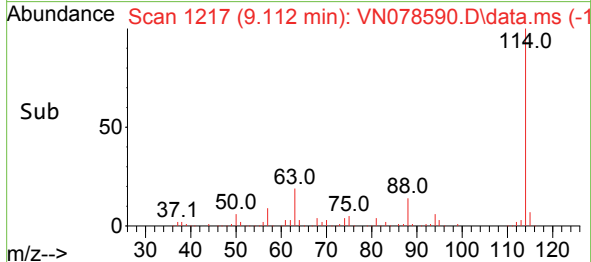
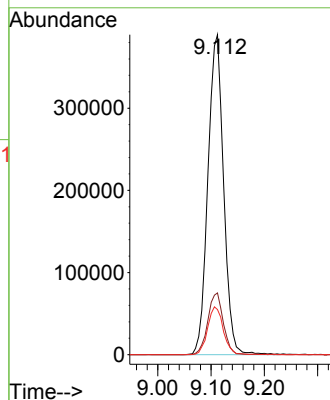
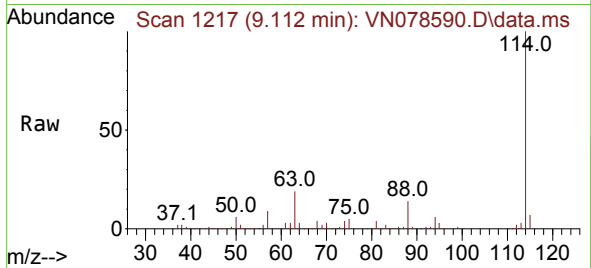




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

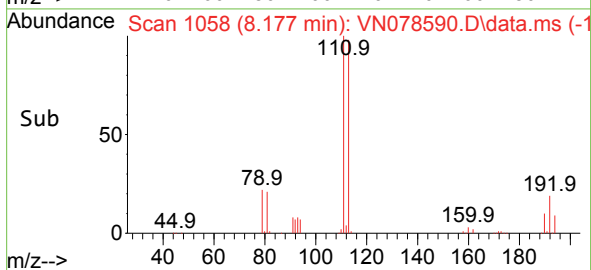
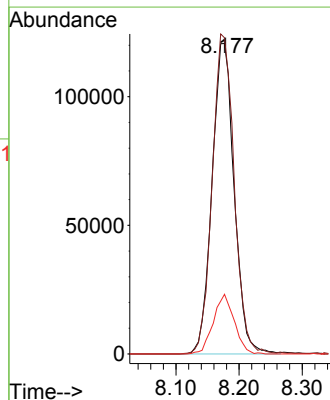
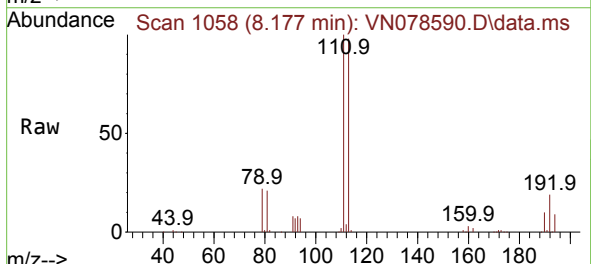
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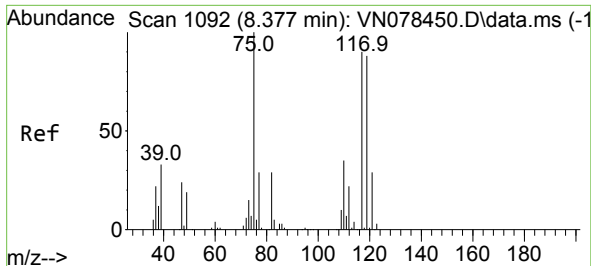
Tgt Ion:114 Resp: 796102
Ion Ratio Lower Upper
114 100
63 19.3 0.0 36.4
88 14.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.401 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

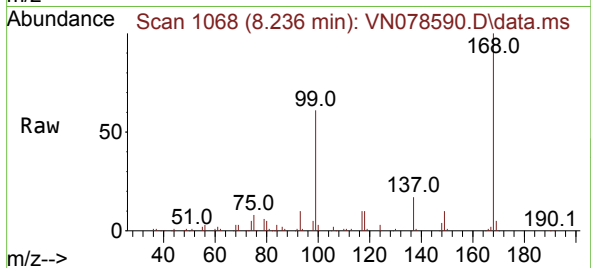
Tgt Ion:113 Resp: 293992
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 18.2 12.7 19.1



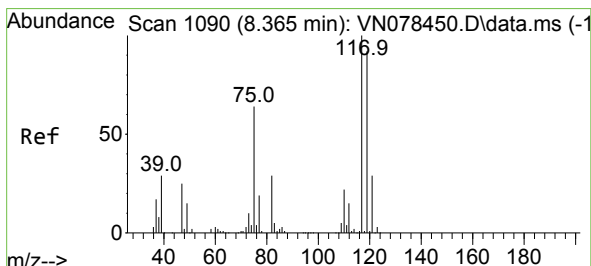
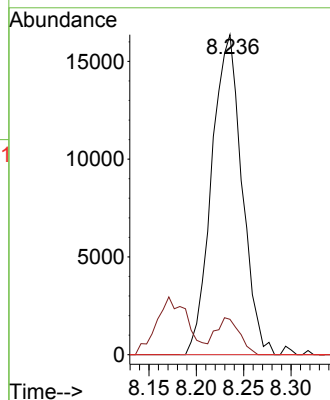
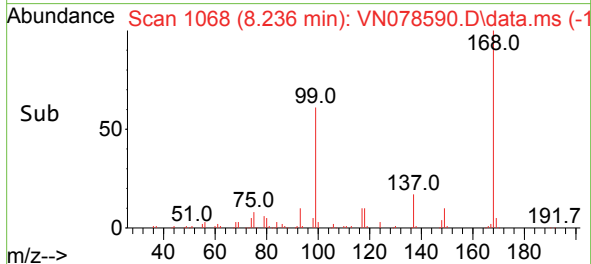


#36
1,1-Dichloropropene
Concen: 4.672 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

Instrument :
MSVOA_N
ClientSampleId :

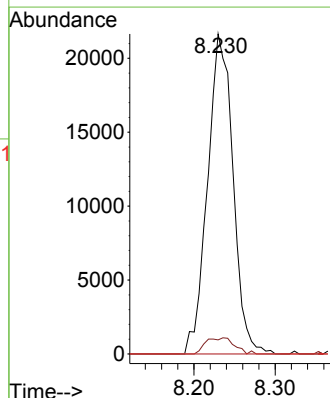
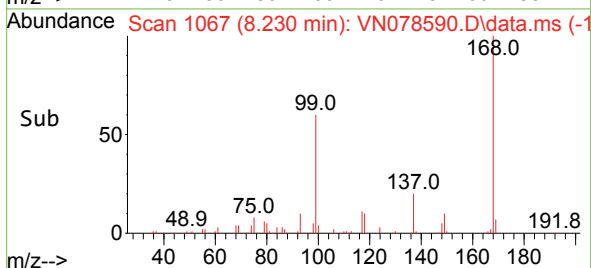
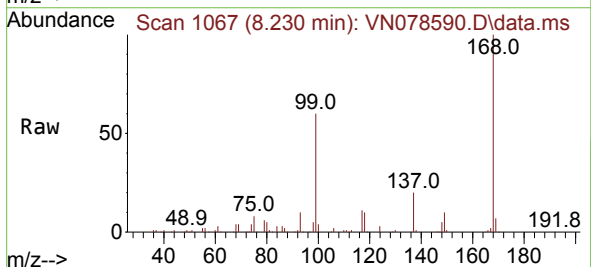


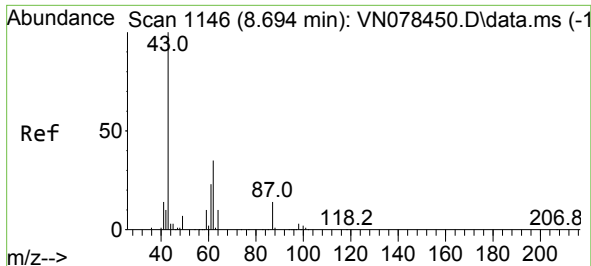
Tgt Ion: 75 Resp: 36456
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.570 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

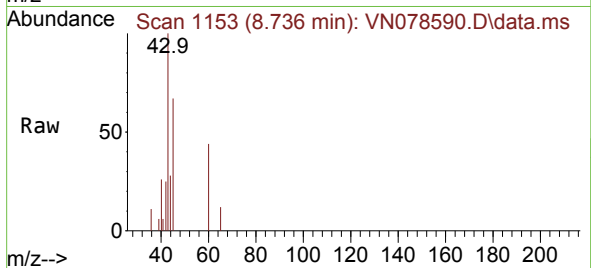
Tgt Ion: 117 Resp: 47236
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 23.3 34.9#



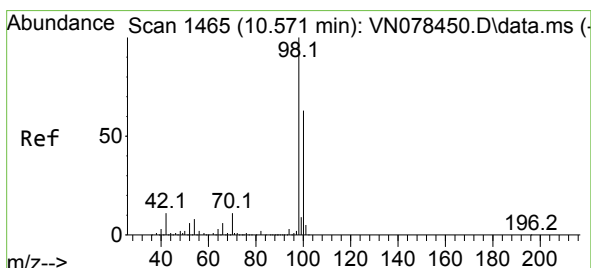
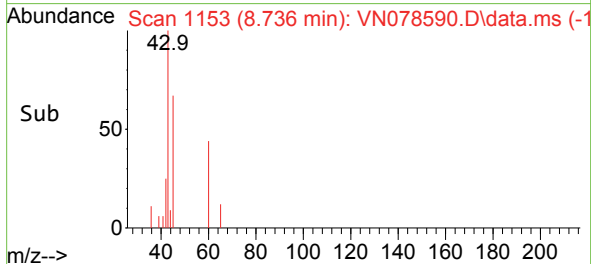
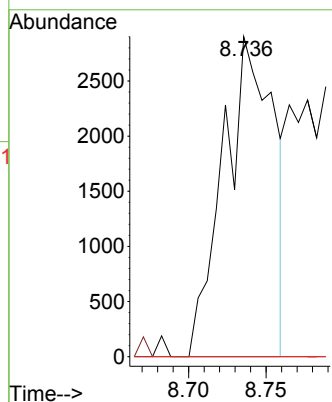


#43
Isopropyl Acetate
Concen: 0.611 ug/l
RT: 8.736 min Scan# 1146
Delta R.T. 0.042 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

Instrument :
MSVOA_N
ClientSampleId :

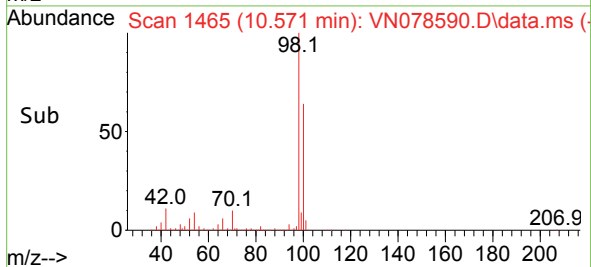
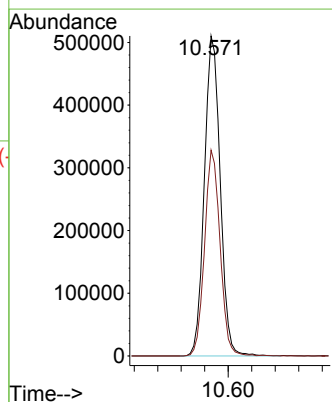
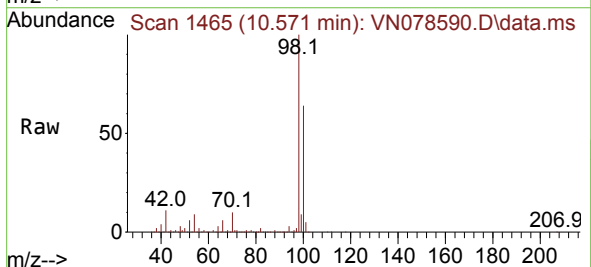


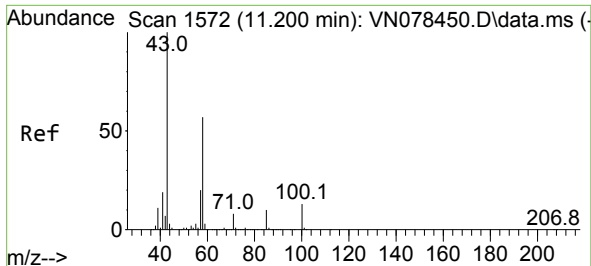
Tgt Ion: 43 Resp: 6542
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.711 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

Tgt Ion: 98 Resp: 953623
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0

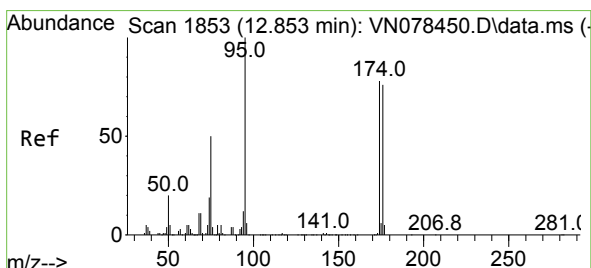
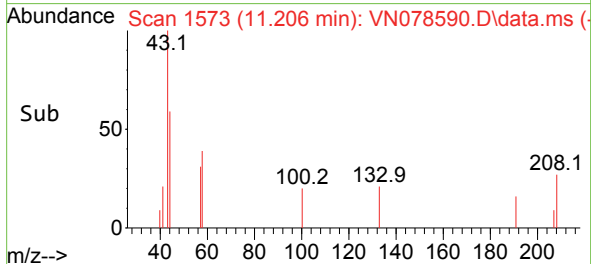
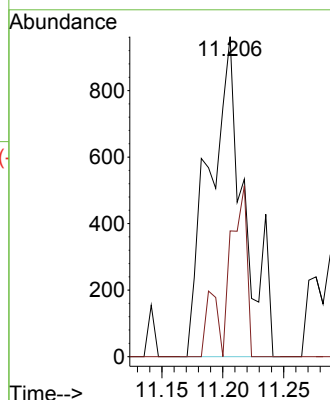
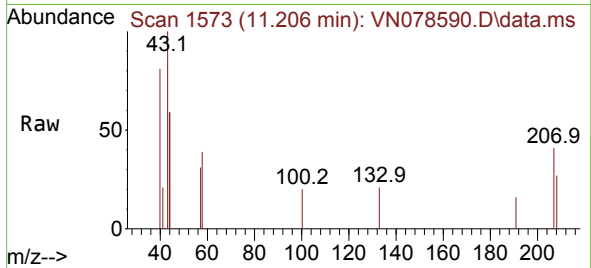




#59
2-Hexanone
Concen: 0.420 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

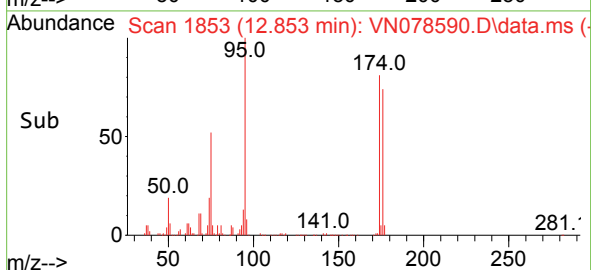
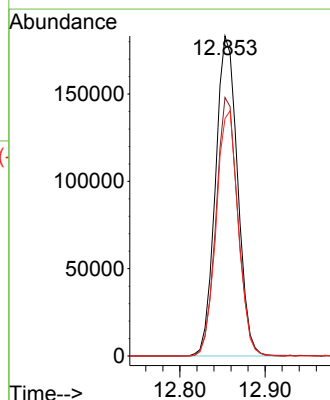
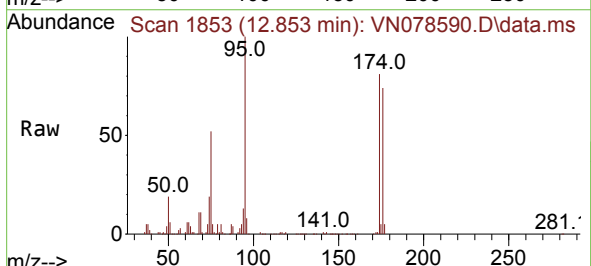
Instrument :
MSVOA_N
ClientSampleId :

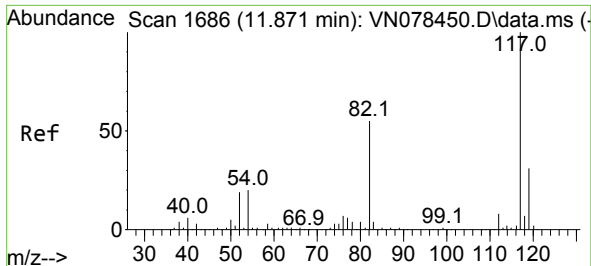
Tgt Ion: 43 Resp: 1900
Ion Ratio Lower Upper
43 100
58 30.5 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.393 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

Tgt Ion: 95 Resp: 329465
Ion Ratio Lower Upper
95 100
174 80.0 0.0 143.8
176 76.4 0.0 135.8

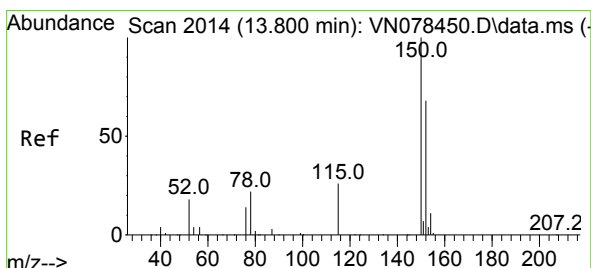
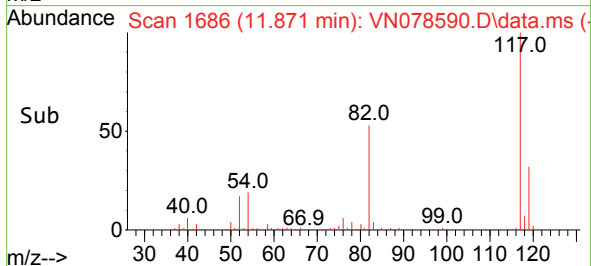
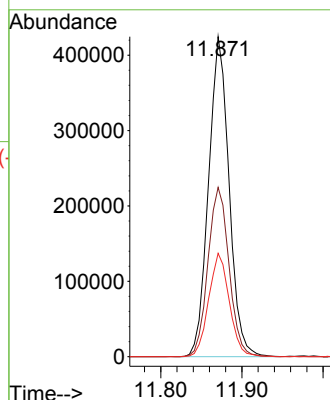
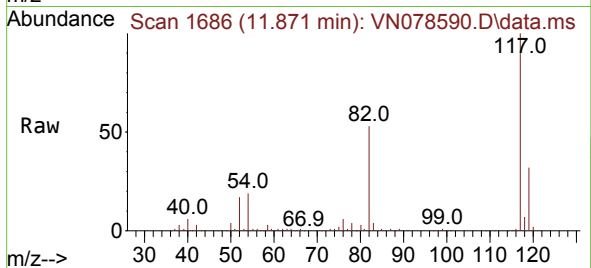




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

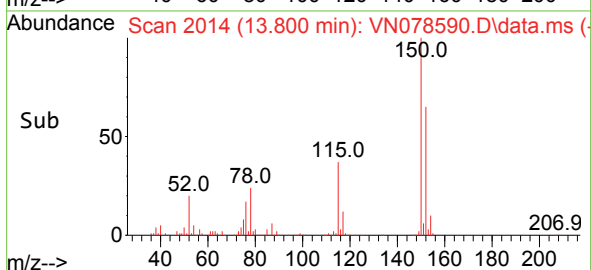
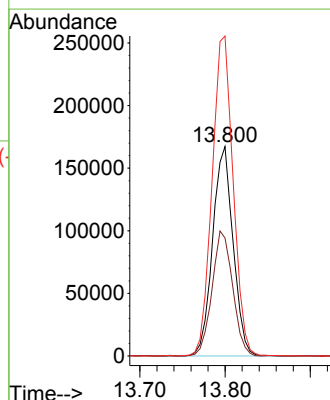
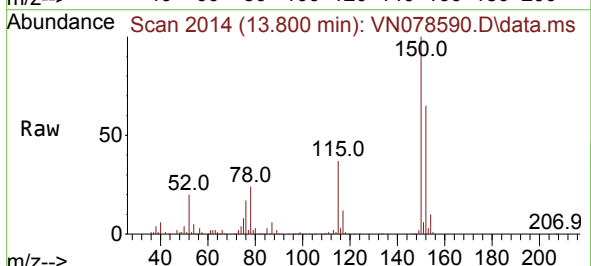
Instrument :
MSVOA_N
ClientSampleId :

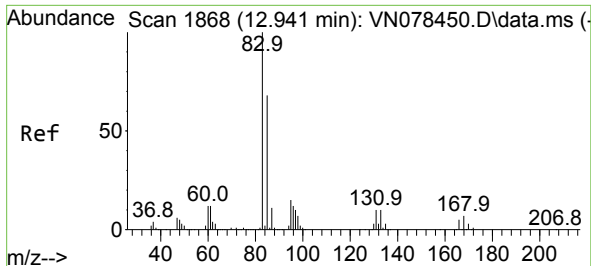
Tgt Ion:117 Resp: 745510
Ion Ratio Lower Upper
117 100
82 52.9 44.0 66.0
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

Tgt Ion:152 Resp: 279120
Ion Ratio Lower Upper
152 100
115 60.0 32.3 96.8
150 157.2 0.0 355.8

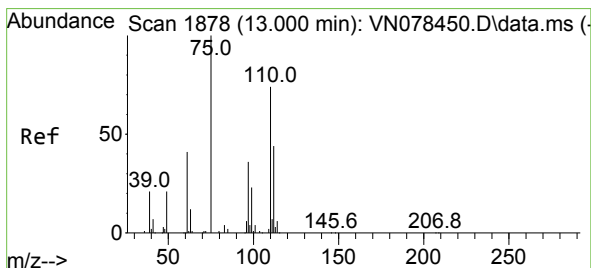
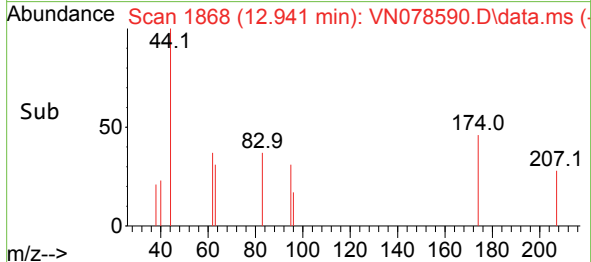
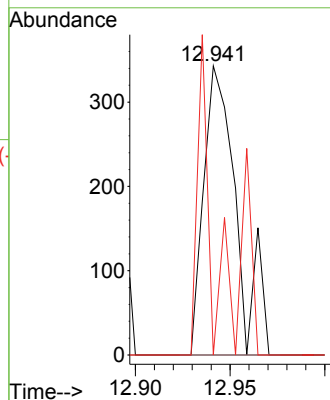
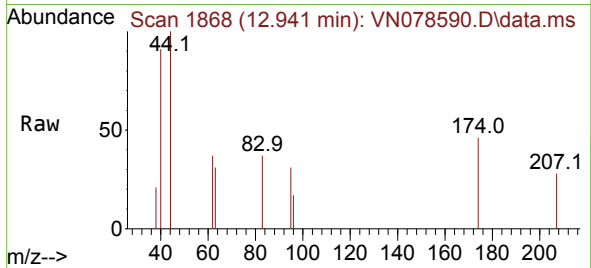




#75
1,1,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

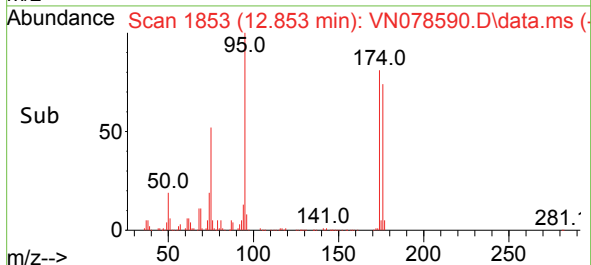
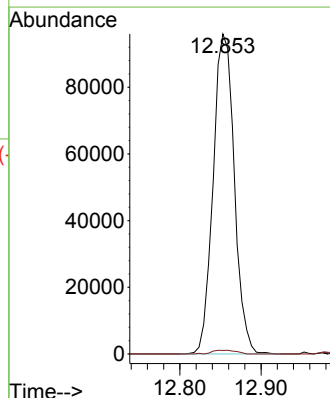
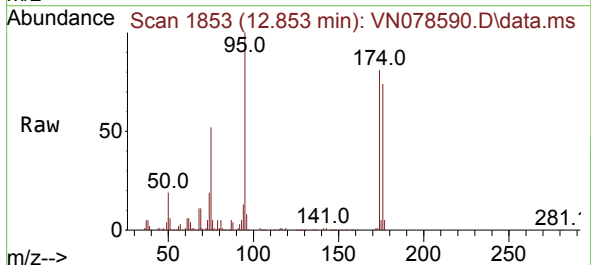
Instrument :
MSVOA_N
ClientSampleId :

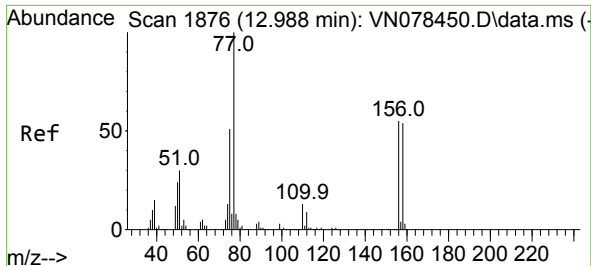
Tgt Ion: 83 Resp: 412
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 46.6 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 25.797 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

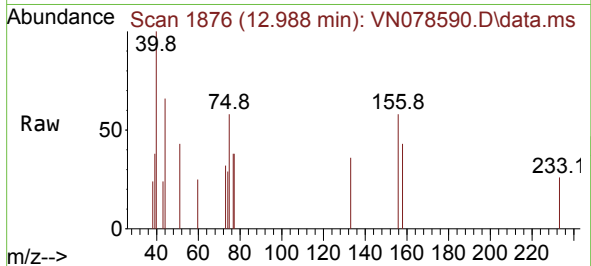
Tgt Ion: 75 Resp: 174047
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



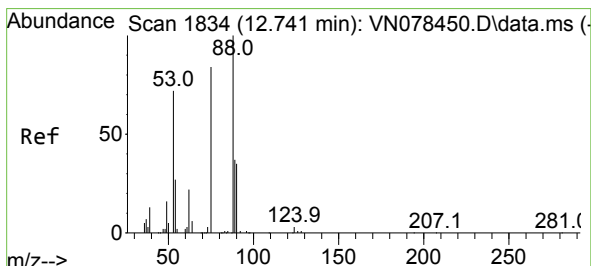
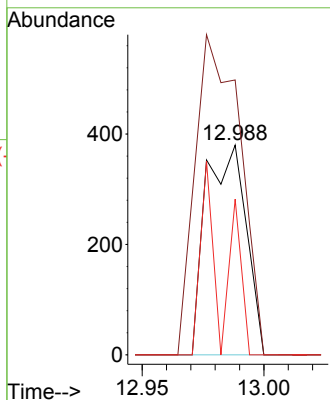
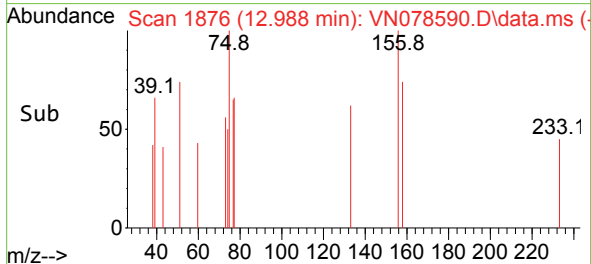


#77
Bromobenzene
Concen: Below Cal
RT: 12.988 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

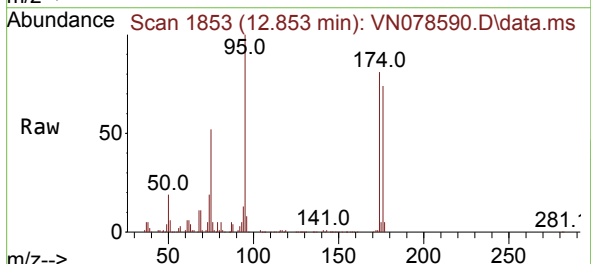
Instrument :
MSVOA_N
ClientSampleId :



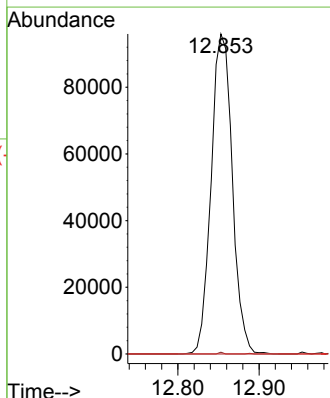
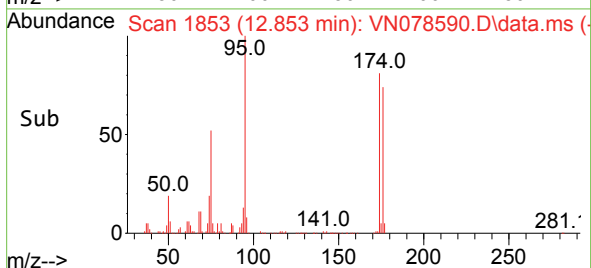
Tgt Ion:156 Resp: 436
Ion Ratio Lower Upper
156 100
77 169.7 107.7 323.3
158 51.1 48.4 145.3

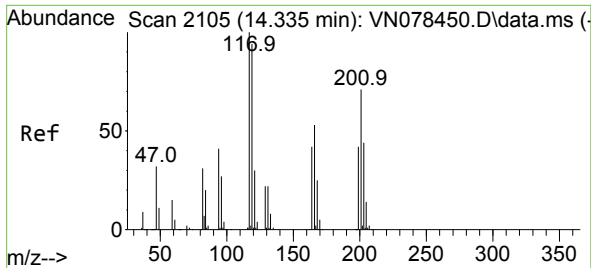


#81
trans-1,4-Dichloro-2-butene
Concen: 67.791 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21



Tgt Ion: 75 Resp: 174047
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

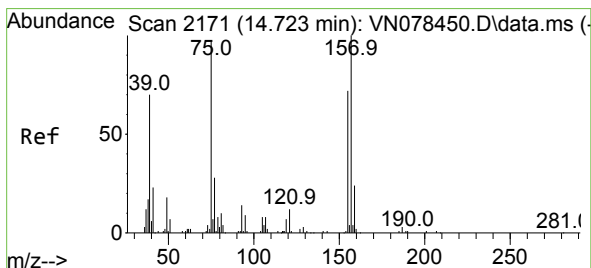
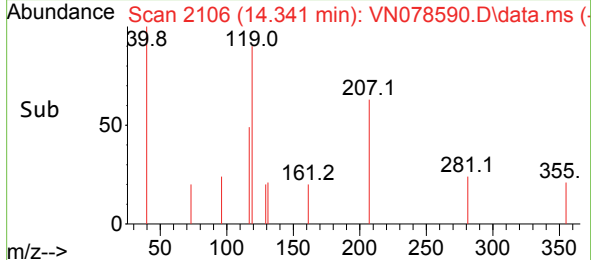
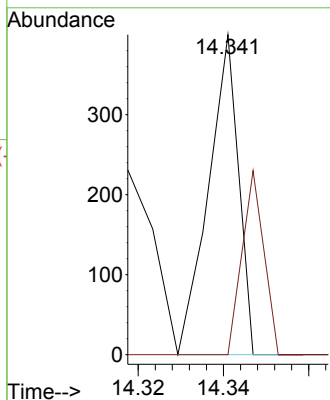
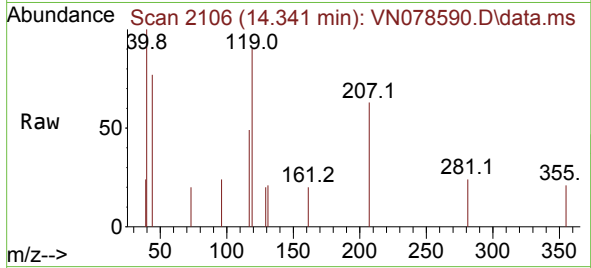




#90
Hexachloroethane
Concen: Below Cal
RT: 14.341 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

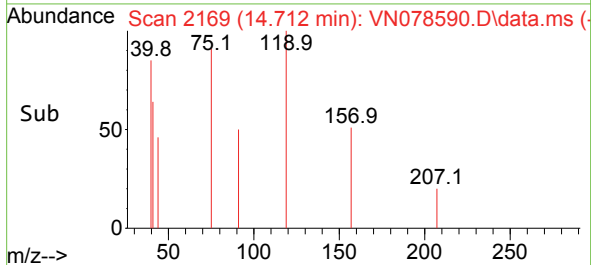
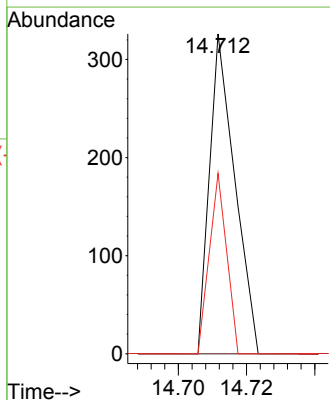
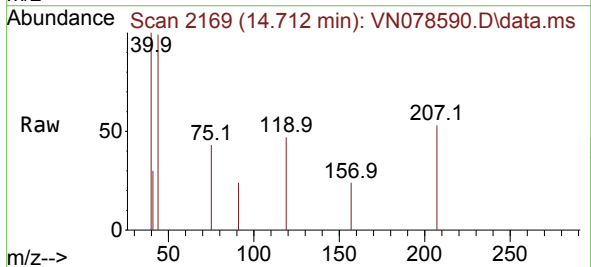
Instrument :
MSVOA_N
ClientSampleId :

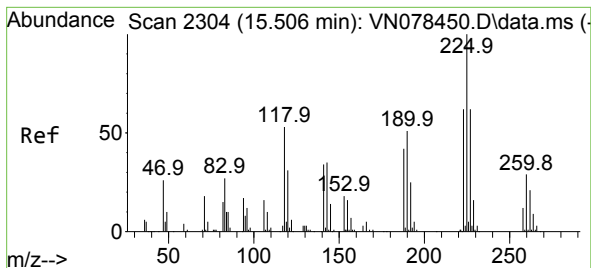
Tgt Ion:117 Resp: 195
Ion Ratio Lower Upper
117 100
201 41.5 29.3 88.0



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.712 min Scan# 2169
Delta R.T. -0.011 min
Lab File: VN078590.D
Acq: 20 Jul 2023 13:21

Tgt Ion: 75 Resp: 168
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 38.7 50.3 150.9#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.506 min Scan# 21

Delta R.T. -0.000 min

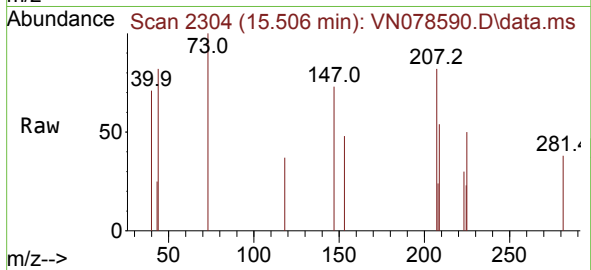
Lab File: VN078590.D

Acq: 20 Jul 2023 13:21

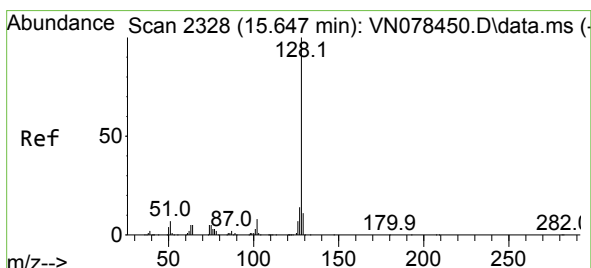
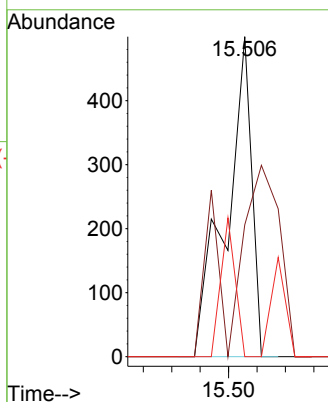
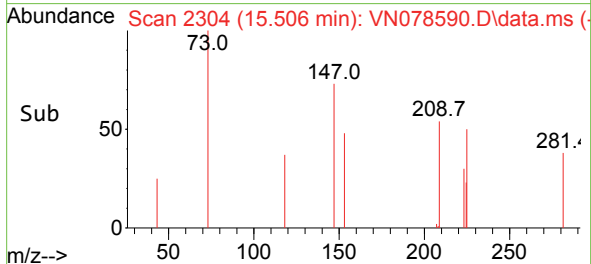
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	225	Resp:	311
Ion	Ratio	Lower	Upper
225	100		
223	112.9	31.3	93.8#
227	17.7	31.9	95.9#



#95

Naphthalene

Concen: 0.412 ug/l

RT: 15.653 min Scan# 2329

Delta R.T. 0.006 min

Lab File: VN078590.D

Acq: 20 Jul 2023 13:21

Tgt Ion:	128	Resp:	4499
Ion	Ratio	Lower	Upper
128	100		
127	25.2	10.0	15.0#
129	0.0	8.7	13.1#

