

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072023\
 Data File : VN078586.D
 Acq On : 20 Jul 2023 11:33
 Operator : JC\MD
 Sample : VN0720WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 21 06:08:34 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)

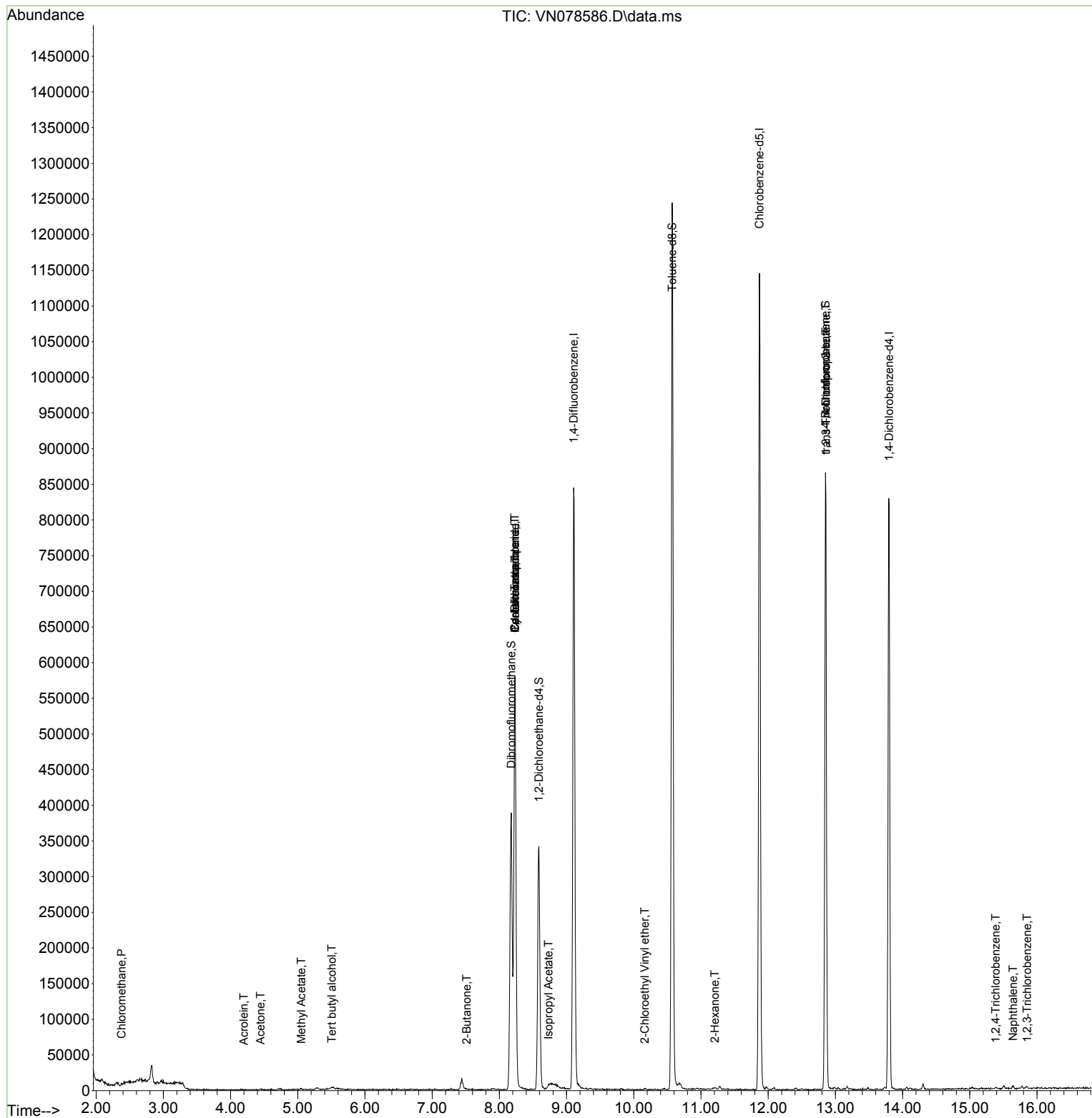
Internal Standards						
1) Pentafluorobenzene	8.236	168	419782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	762315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	692233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	232541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	281161	49.961	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.920%
35) Dibromofluoromethane	8.177	113	280310	54.168	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.340%
50) Toluene-d8	10.571	98	912936	46.700	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.400%
62) 4-Bromofluorobenzene	12.853	95	303522	50.406	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.820%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1977	0.353	ug/l #	81
5) Bromomethane	2.989	94	2730	Below Cal	#	43
6) Chloroethane	3.101	64	1422	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	2252	2.595	ug/l #	72
13) Acrolein	4.200	56	351	0.411	ug/l	88
16) Acetone	4.448	43	674	0.384	ug/l #	40
18) Methyl Acetate	5.053	43	1568	0.211	ug/l #	51
20) Methylene Chloride	5.289	84	1469	Below Cal	#	66
25) 2-Butanone	7.512	43	753	0.273	ug/l #	37
31) Cyclohexane	8.236	56	9321	1.226	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	33725	4.514	ug/l #	48
38) Carbon Tetrachloride	8.230	117	44170	5.439	ug/l #	15
43) Isopropyl Acetate	8.730	43	4780	0.466	ug/l #	49
58) 2-Chloroethyl Vinyl ether	10.165	63	1123	0.417	ug/l #	74
59) 2-Hexanone	11.206	43	1279	0.295	ug/l	81
75) 1,1,2,2-Tetrachloroethane	12.941	83	534	Below Cal	#	88
76) 1,2,3-Trichloropropane	12.859	75	157974	28.105	ug/l #	1
77) Bromobenzene	12.988	156	463	Below Cal	#	74
81) trans-1,4-Dichloro-2-b...	12.859	75	157974	73.855	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.723	75	246	Below Cal	#	19
93) 1,2,4-Trichlorobenzene	15.388	180	664	0.249	ug/l #	50
94) Hexachlorobutadiene	15.512	225	1041	Below Cal	#	57
95) Naphthalene	15.647	128	3041	0.334	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.853	180	1099	0.359	ug/l	86

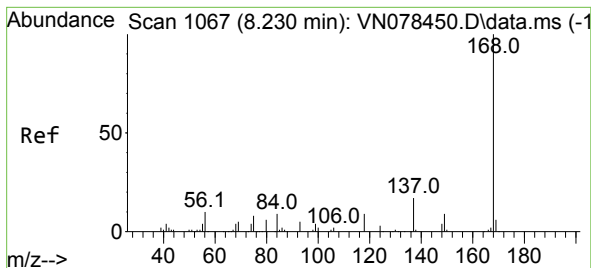
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072023\
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Sample : VN0720WBL01
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Quant Time: Jul 21 06:08:34 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

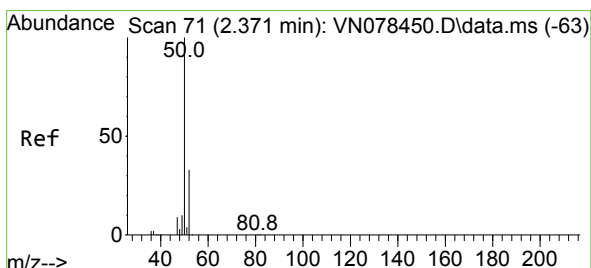
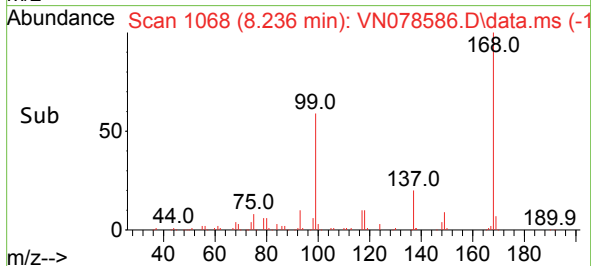
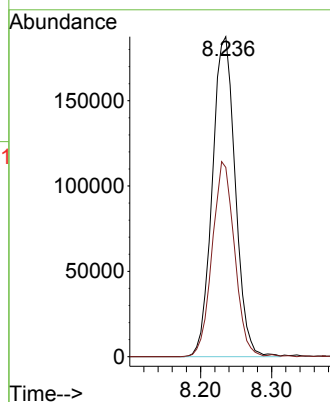
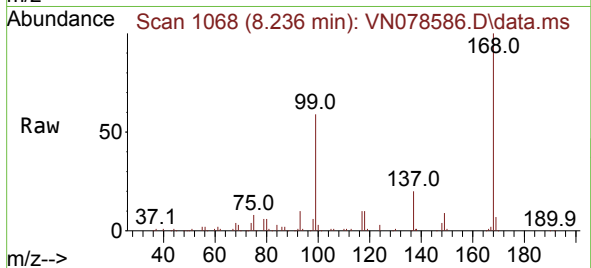




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.005 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

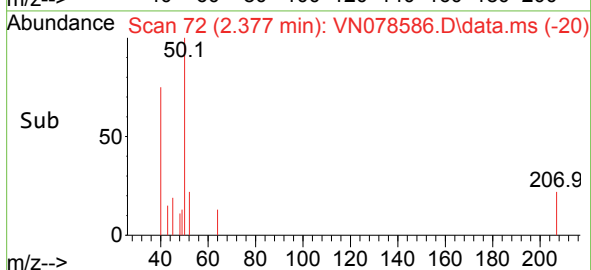
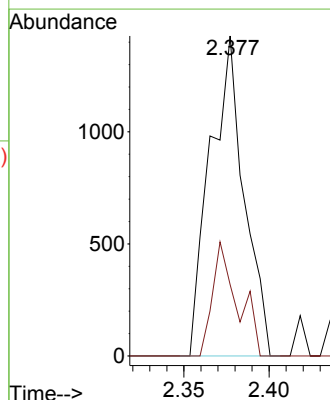
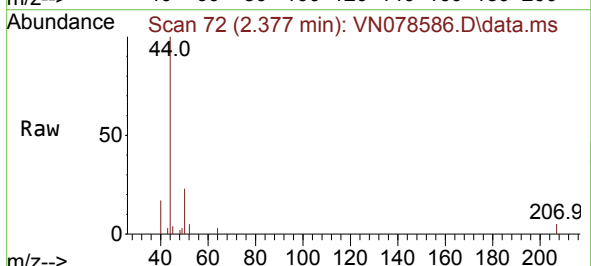
Instrument :
MSVOA_N
ClientSampleId :

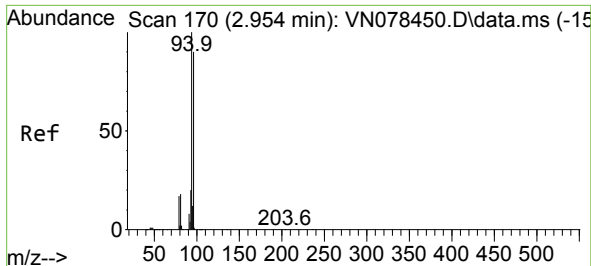
Tgt Ion:168 Resp: 419782
Ion Ratio Lower Upper
168 100
99 59.2 53.0 79.6



#3
Chloromethane
Concen: 0.353 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

Tgt Ion: 50 Resp: 1977
Ion Ratio Lower Upper
50 100
52 22.3 26.5 39.7#

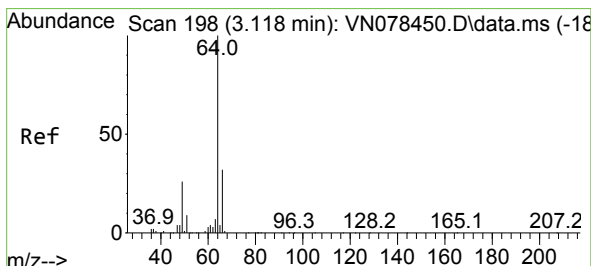
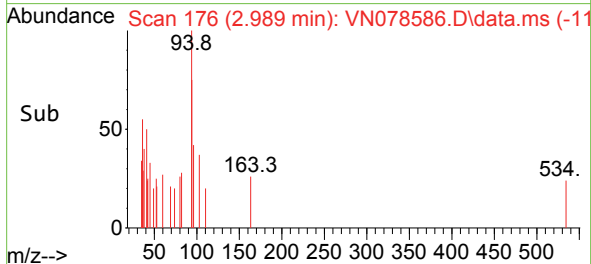
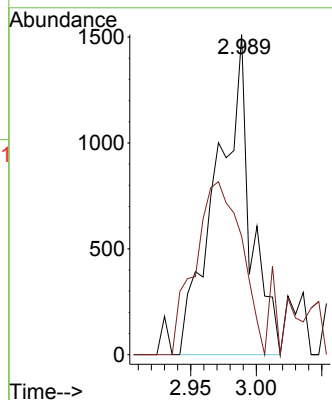
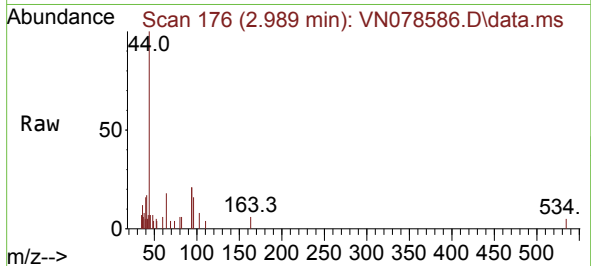




#5
Bromomethane
Concen: Below Cal
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

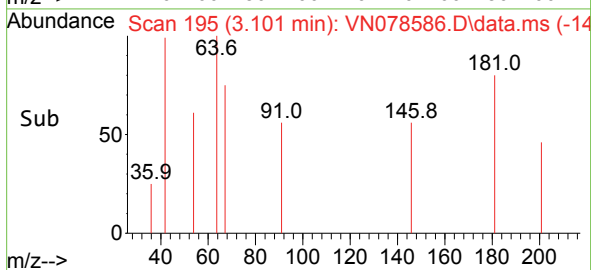
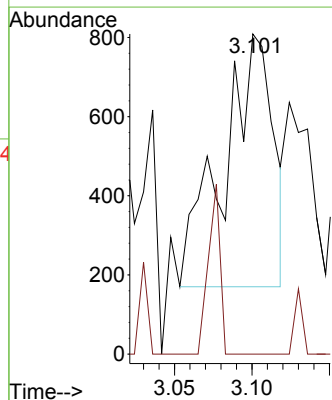
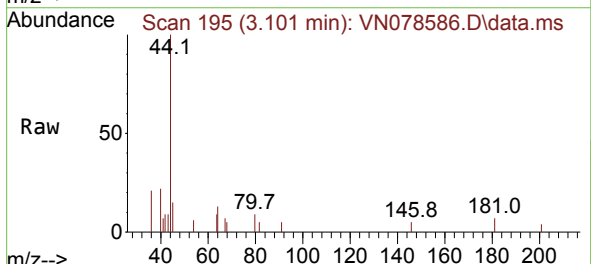
Instrument :
MSVOA_N
ClientSampleId :

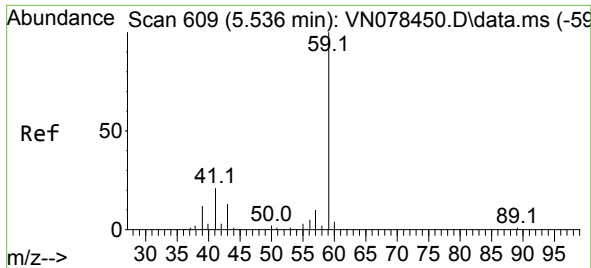
Tgt Ion: 94 Resp: 2730
Ion Ratio Lower Upper
94 100
96 37.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 195
Delta R.T. -0.017 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

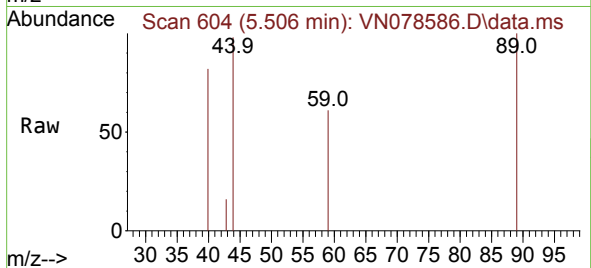
Tgt Ion: 64 Resp: 1422
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



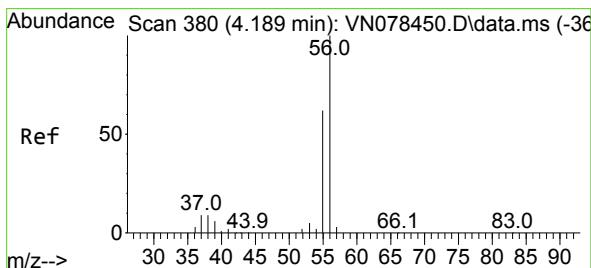
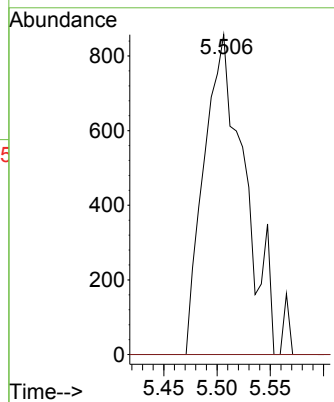
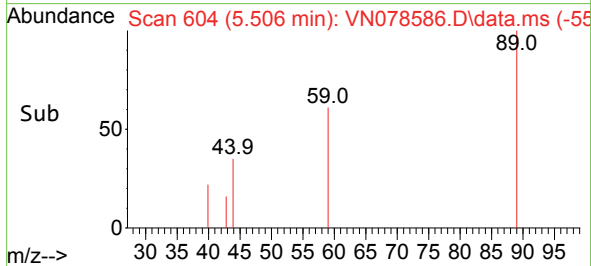


#11
Tert butyl alcohol
Concen: 2.595 ug/l
RT: 5.506 min Scan# 609
Delta R.T. -0.030 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

Instrument :
MSVOA_N
ClientSampleId :

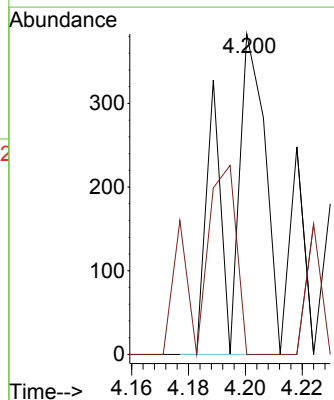
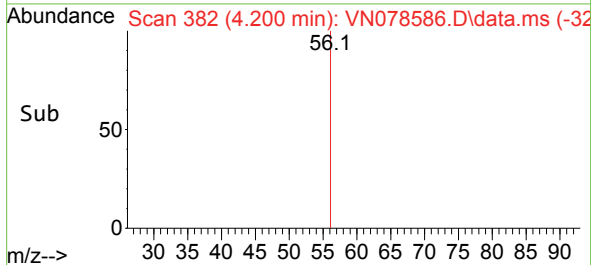
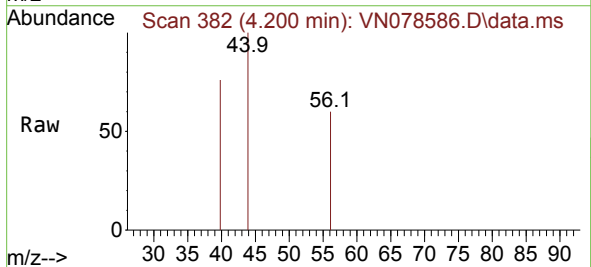


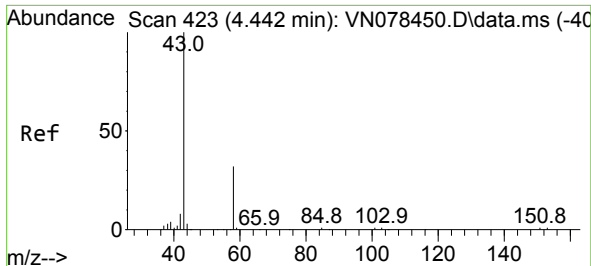
Tgt Ion: 59 Resp: 2252
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.411 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

Tgt Ion: 56 Resp: 351
Ion Ratio Lower Upper
56 100
55 58.7 54.5 81.7

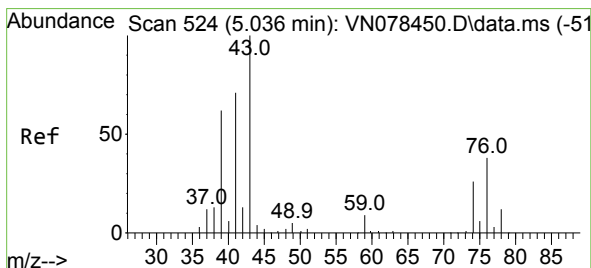
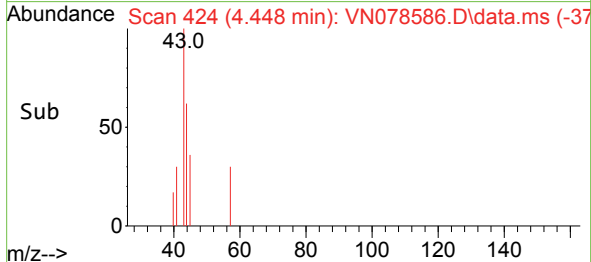
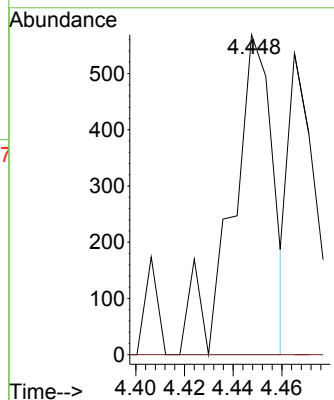
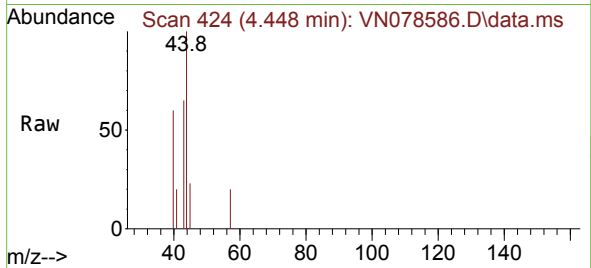




#16
Acetone
Concen: 0.384 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

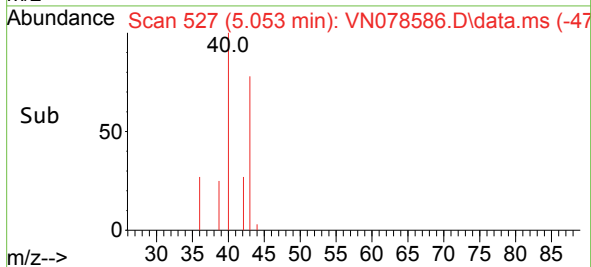
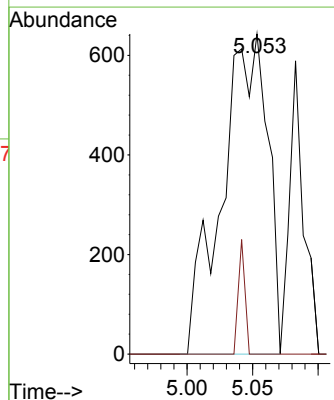
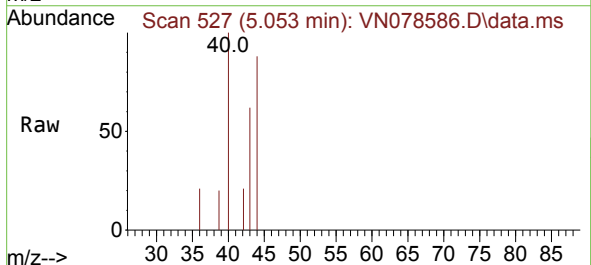
Instrument :
MSVOA_N
ClientSampleId :

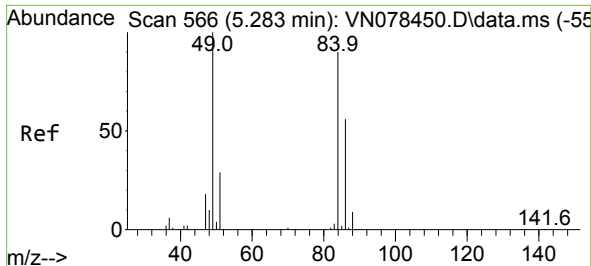
Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.211 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.017 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

Tgt Ion: 43 Resp: 1568
Ion Ratio Lower Upper
43 100
74 5.2 26.2 39.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.289 min Scan# 5

Delta R.T. 0.006 min

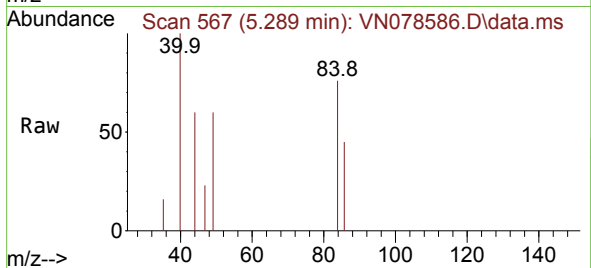
Lab File: VN078586.D

Acq: 20 Jul 2023 11:33

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 1469

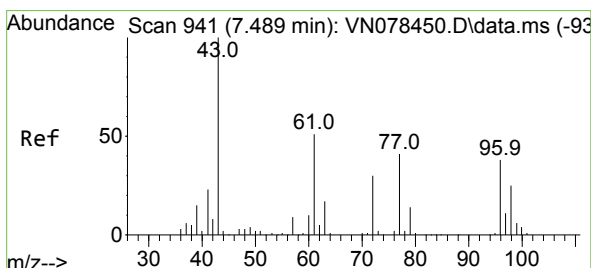
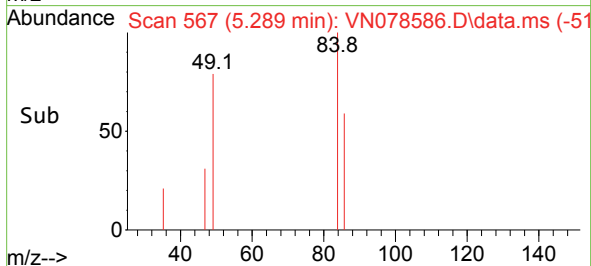
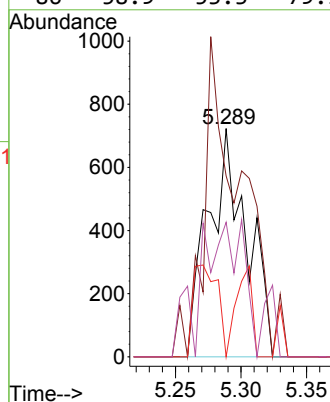
Ion Ratio Lower Upper

84 100

49 56.7 79.7 119.5#

51 0.0 25.2 37.8#

86 58.9 53.3 79.9



#25

2-Butanone

Concen: 0.273 ug/l

RT: 7.512 min Scan# 945

Delta R.T. 0.023 min

Lab File: VN078586.D

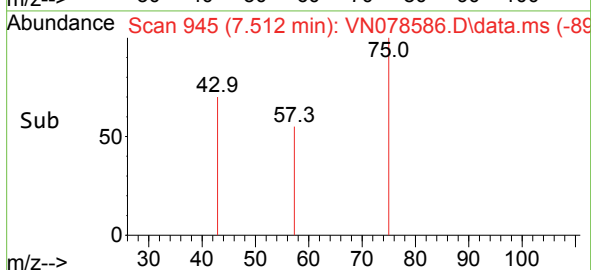
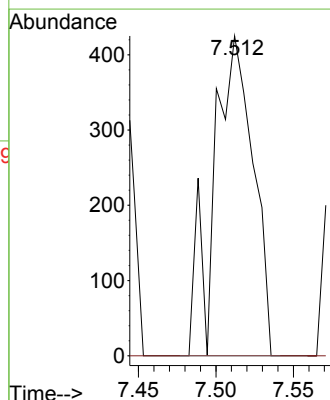
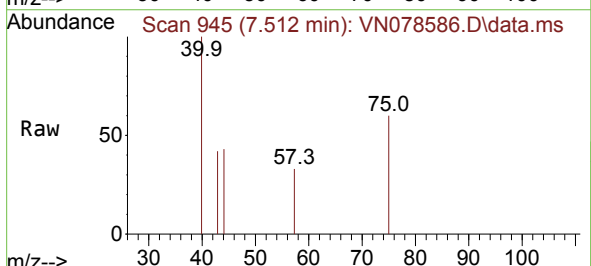
Acq: 20 Jul 2023 11:33

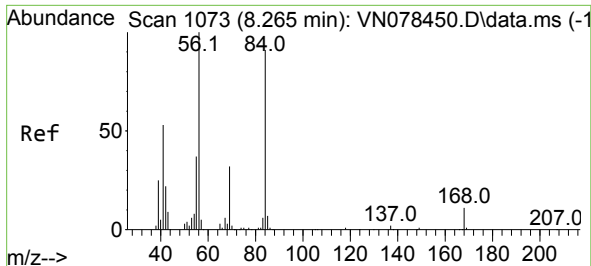
Tgt Ion: 43 Resp: 753

Ion Ratio Lower Upper

43 100

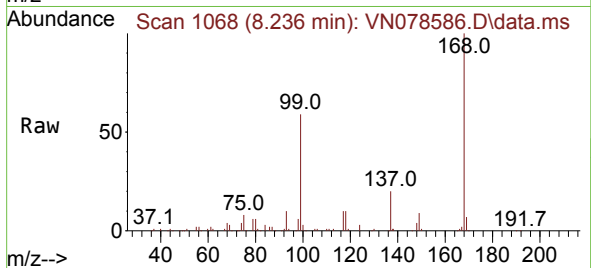
72 0.0 30.2 45.2#



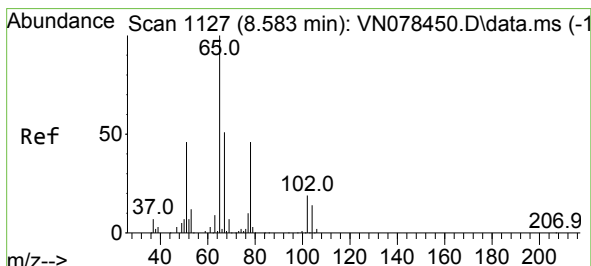
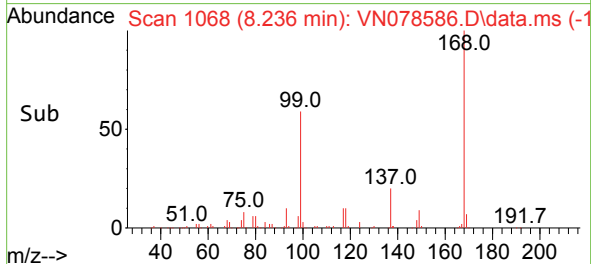
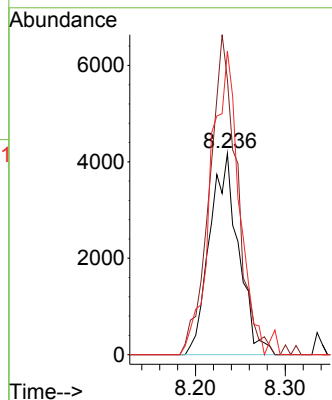


#31
Cyclohexane
Concen: 1.226 ug/l
RT: 8.236 min Scan# 1106
Delta R.T. -0.030 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

Instrument :
MSVOA_N
ClientSampleId :

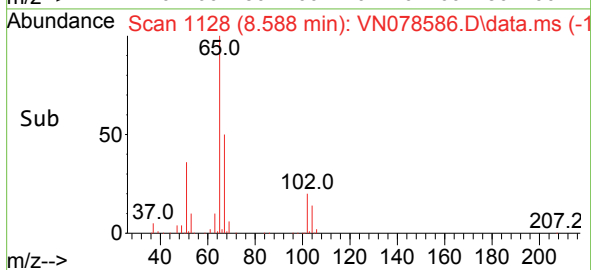
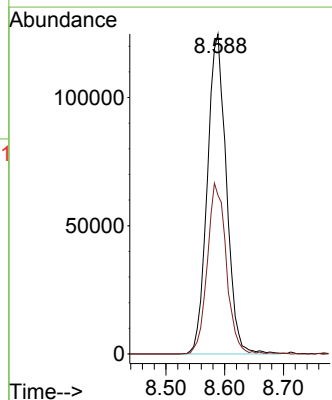
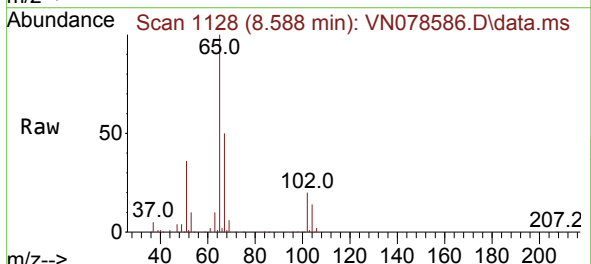


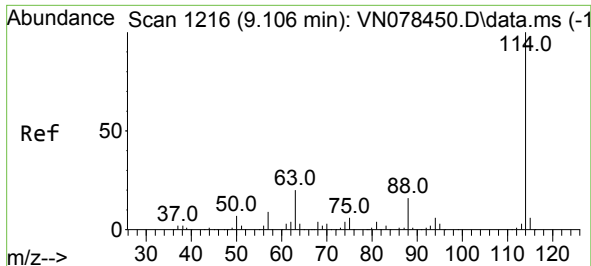
Tgt Ion: 56 Resp: 9321
Ion Ratio Lower Upper
56 100
69 136.7 26.8 40.2#
84 150.9 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 49.961 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

Tgt Ion: 65 Resp: 281161
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.6

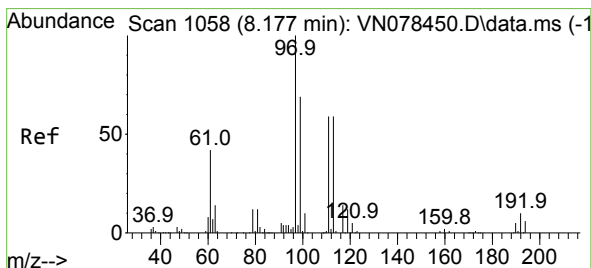
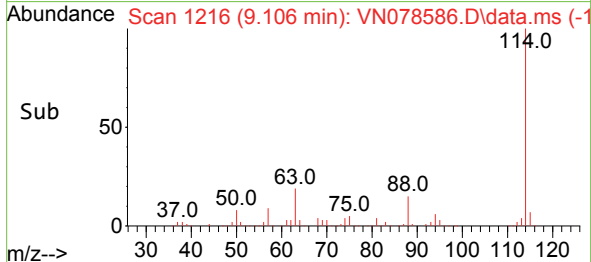
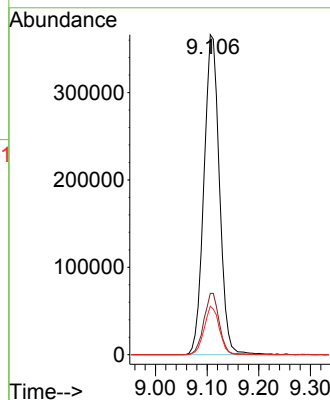
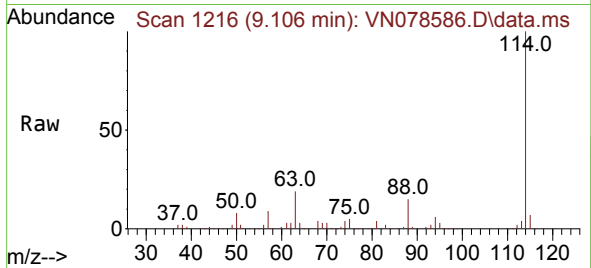




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

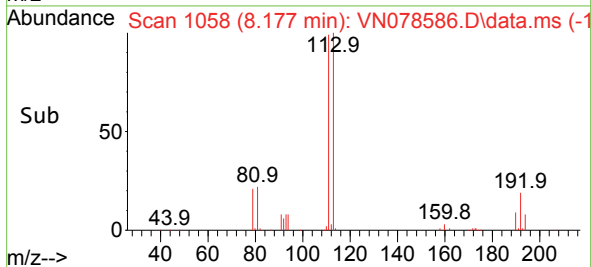
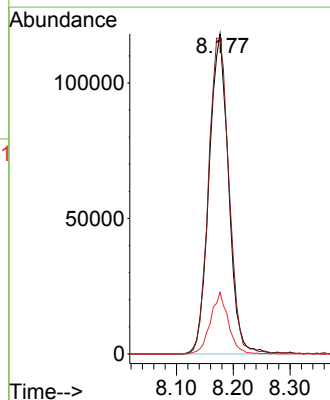
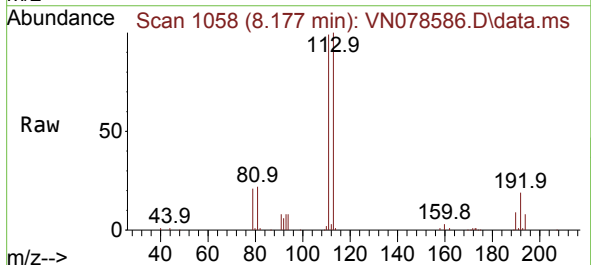
Instrument :
MSVOA_N
ClientSampleId :

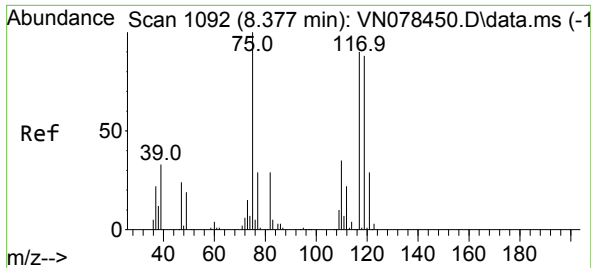
Tgt Ion:114 Resp: 762315
Ion Ratio Lower Upper
114 100
63 19.2 0.0 36.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.168 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

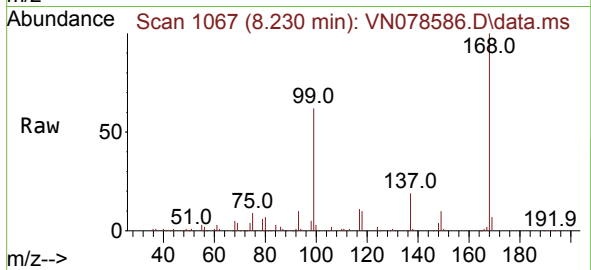
Tgt Ion:113 Resp: 280310
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 17.7 12.7 19.1



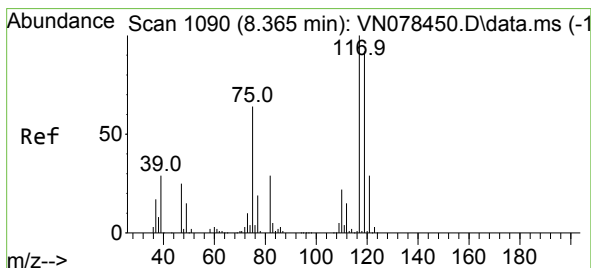
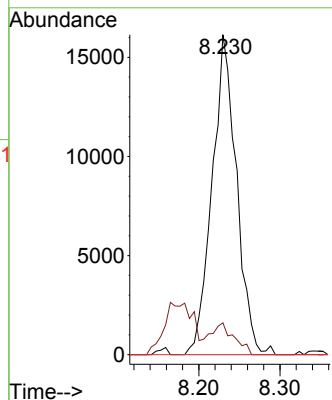
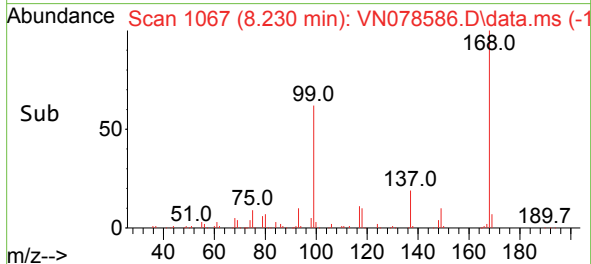


#36
1,1-Dichloropropene
Concen: 4.514 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

Instrument :
MSVOA_N
ClientSampleId :

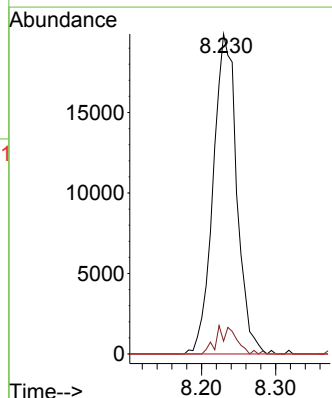
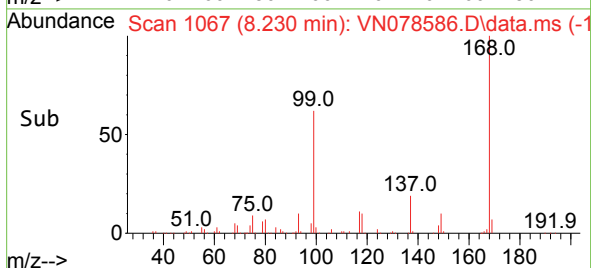
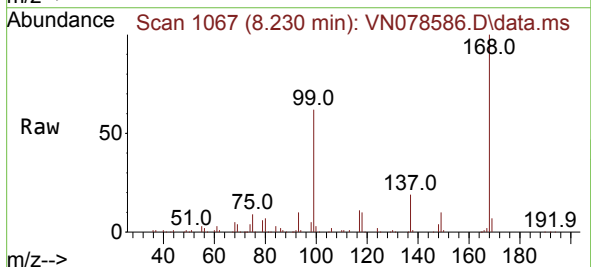


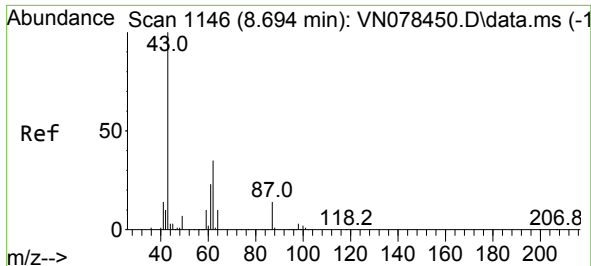
Tgt Ion: 75 Resp: 33725
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.439 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

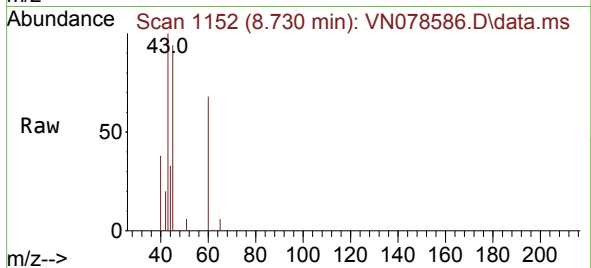
Tgt Ion: 117 Resp: 44170
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 23.3 34.9#



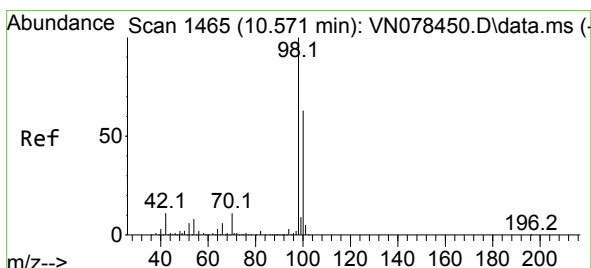
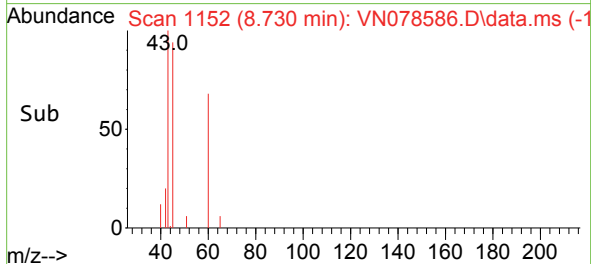
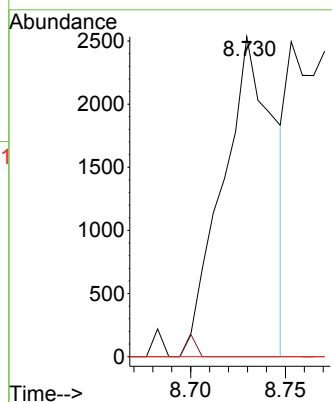


#43
Isopropyl Acetate
Concen: 0.466 ug/l
RT: 8.730 min Scan# 1146
Delta R.T. 0.036 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

Instrument :
MSVOA_N
ClientSampleId :

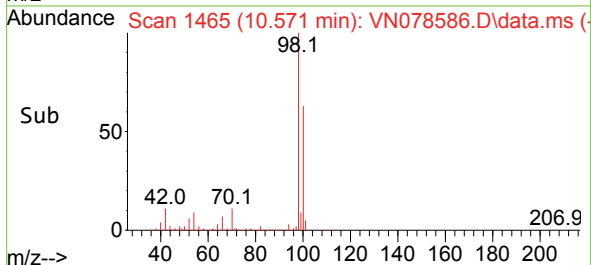
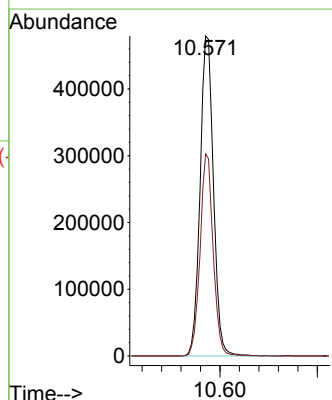
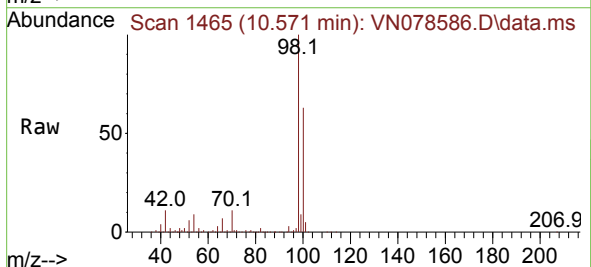


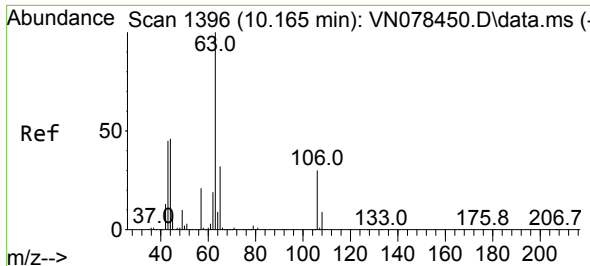
Tgt Ion: 43 Resp: 4780
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.700 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

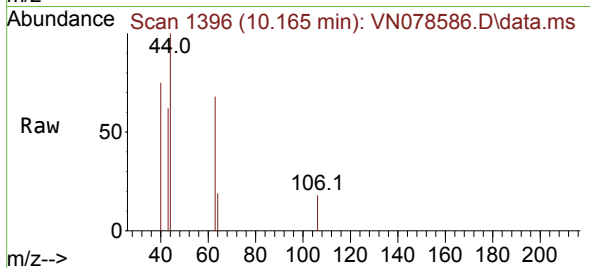
Tgt Ion: 98 Resp: 912936
Ion Ratio Lower Upper
98 100
100 61.8 52.0 78.0



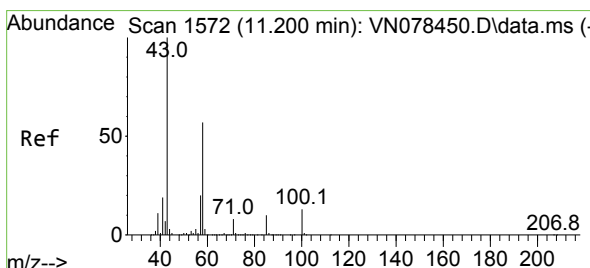
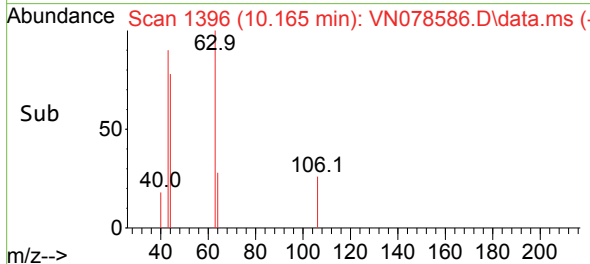
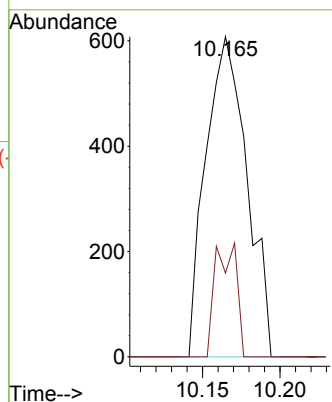


#58
2-Chloroethyl Vinyl ether
Concen: 0.417 ug/l
RT: 10.165 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

Instrument :
MSVOA_N
ClientSampleId :

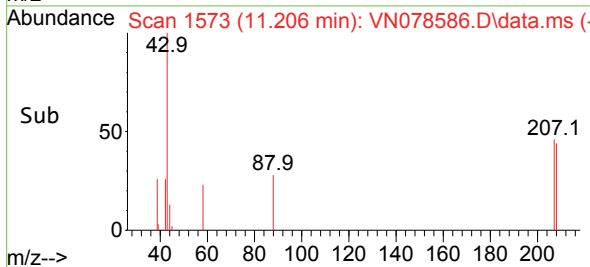
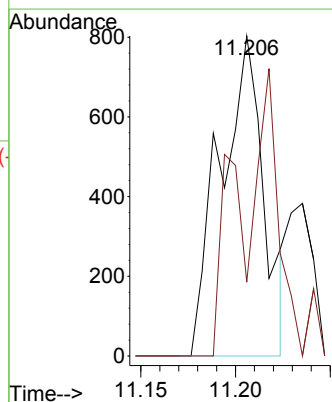
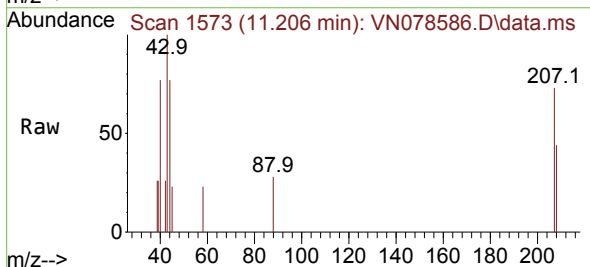


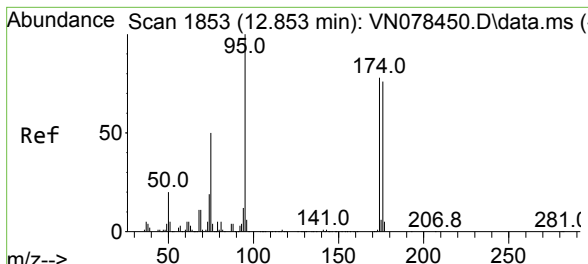
Tgt Ion: 63 Resp: 1123
Ion Ratio Lower Upper
63 100
106 18.3 26.2 39.4#



#59
2-Hexanone
Concen: 0.295 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

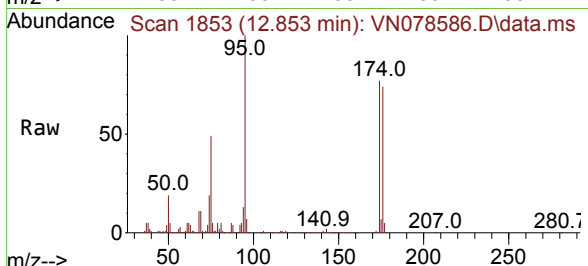
Tgt Ion: 43 Resp: 1279
Ion Ratio Lower Upper
43 100
58 48.9 31.7 95.1



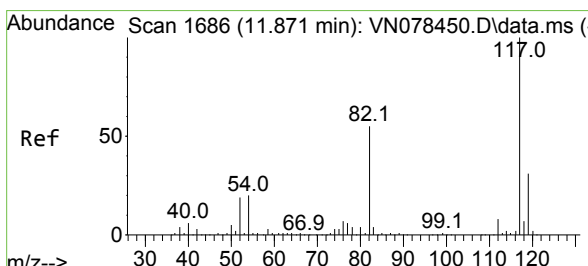
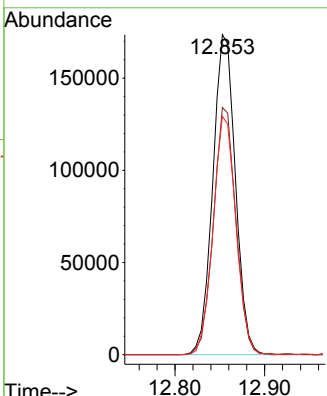
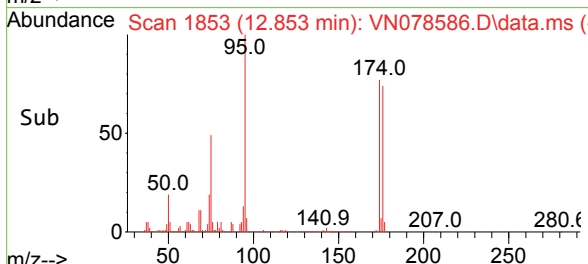


#62
 4-Bromofluorobenzene
 Concen: 50.406 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078586.D
 Acq: 20 Jul 2023 11:33

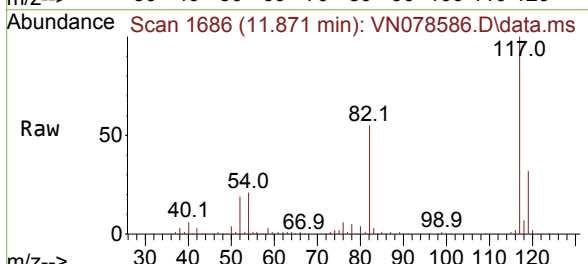
Instrument :
 MSVOA_N
 ClientSampleId :



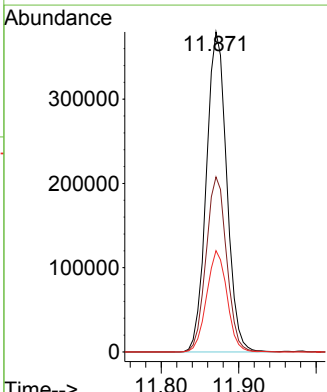
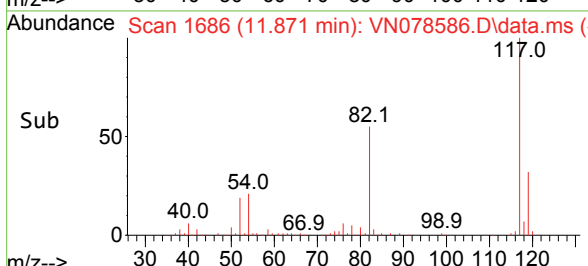
Tgt Ion:	95	Resp:	303522
Ion Ratio	Lower	Upper	
95	100		
174	76.8	0.0	143.8
176	75.1	0.0	135.8

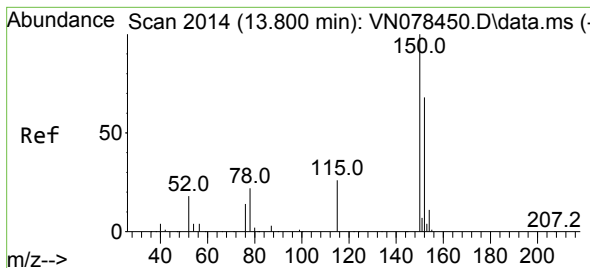


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN078586.D
 Acq: 20 Jul 2023 11:33



Tgt Ion:	117	Resp:	692233
Ion Ratio	Lower	Upper	
117	100		
82	54.7	44.0	66.0
119	31.6	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. -0.000 min

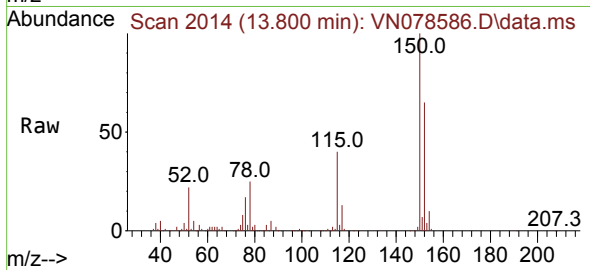
Lab File: VN078586.D

Acq: 20 Jul 2023 11:33

Instrument :

MSVOA_N

ClientSampleId :



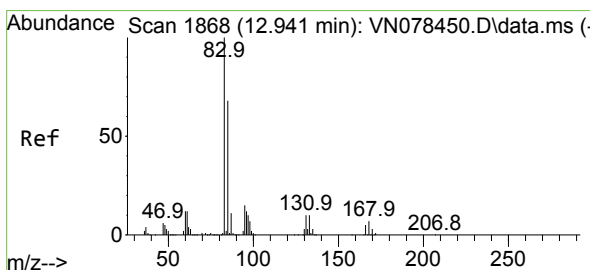
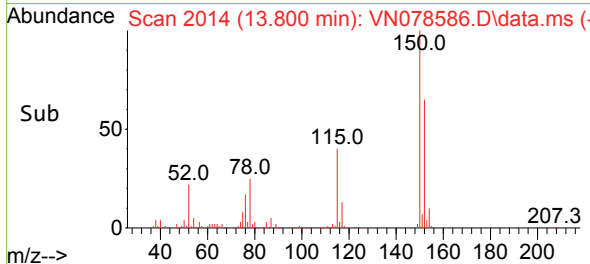
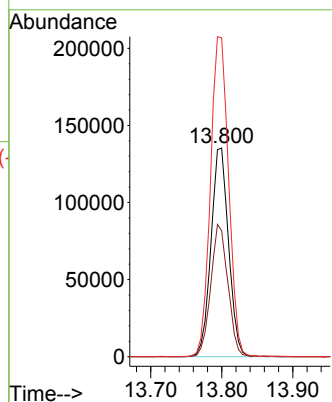
Tgt Ion:152 Resp: 232541

Ion Ratio Lower Upper

152 100

115 61.7 32.3 96.8

150 158.1 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN078586.D

Acq: 20 Jul 2023 11:33

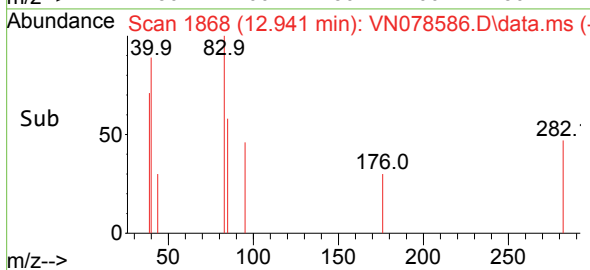
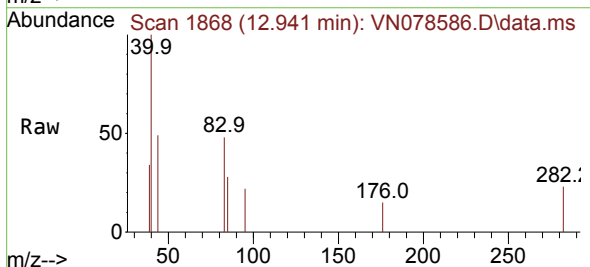
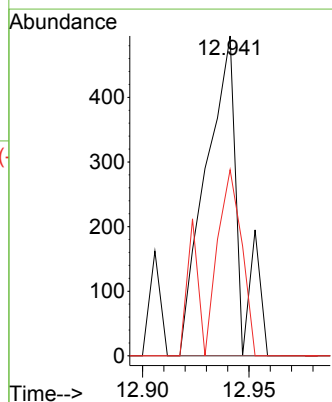
Tgt Ion: 83 Resp: 534

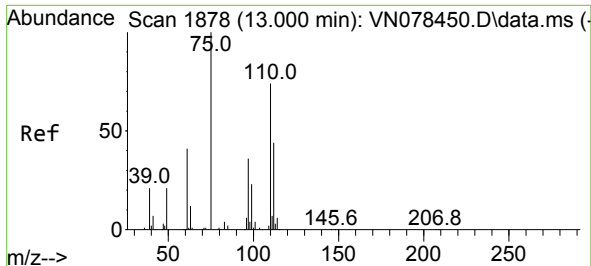
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 56.2 31.9 95.7

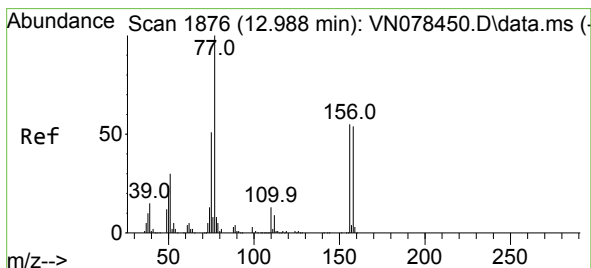
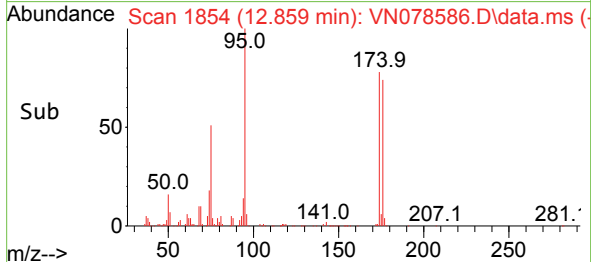
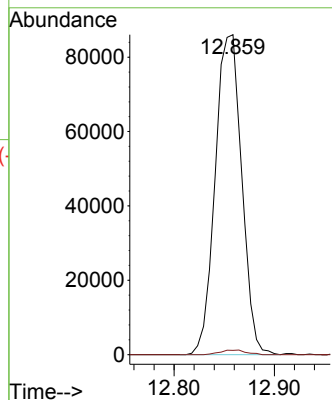
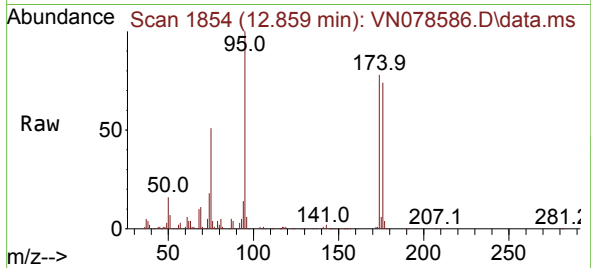




#76
1,2,3-Trichloropropane
Concen: 28.105 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

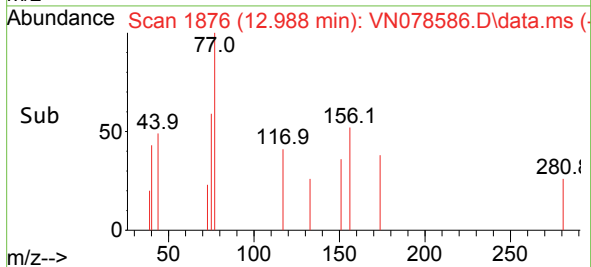
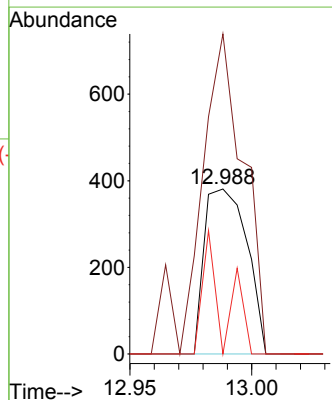
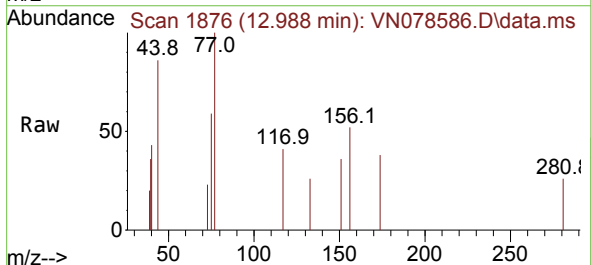
Instrument :
MSVOA_N
ClientSampleId :

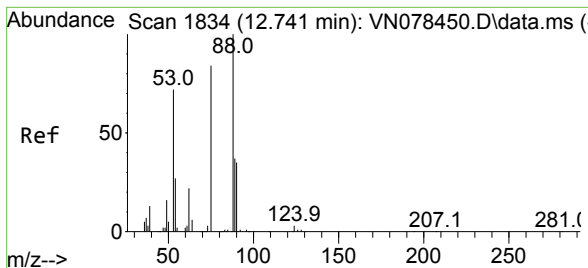
Tgt Ion: 75 Resp: 157974
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

Tgt Ion:156 Resp: 463
Ion Ratio Lower Upper
156 100
77 198.3 107.7 323.3
158 36.7 48.4 145.3#

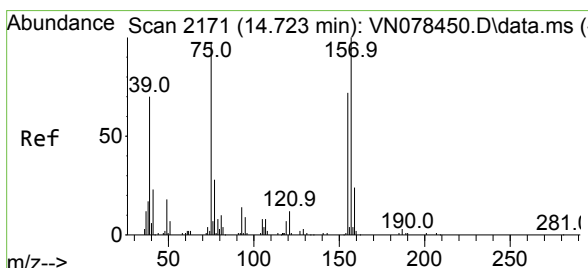
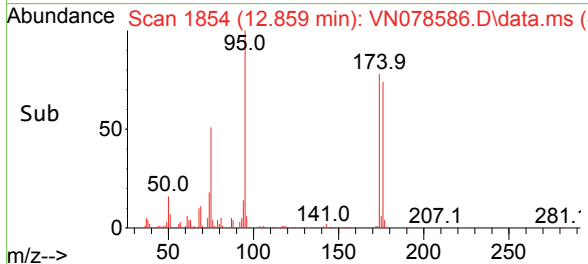
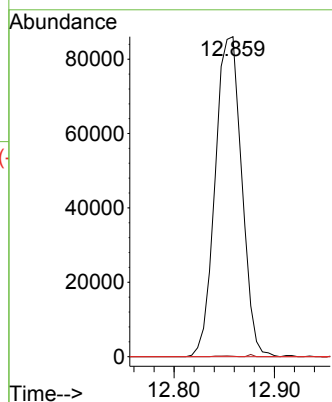
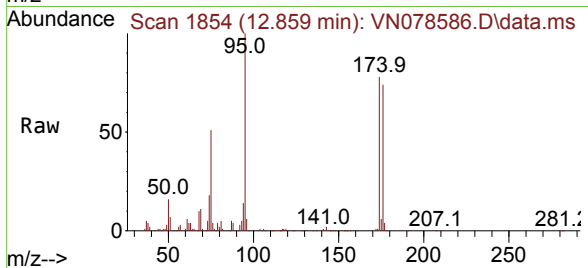




#81
trans-1,4-Dichloro-2-butene
Concen: 73.855 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

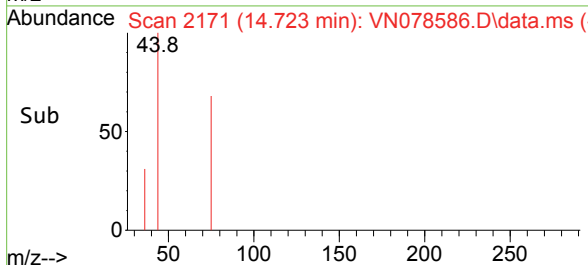
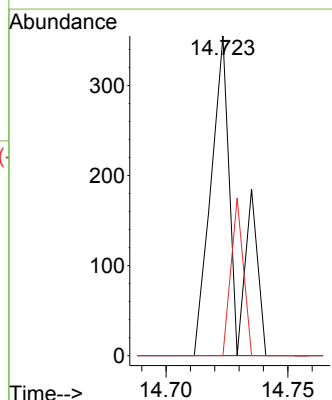
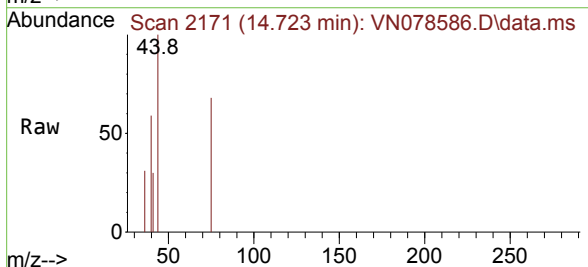
Instrument :
MSVOA_N
ClientSampleId :

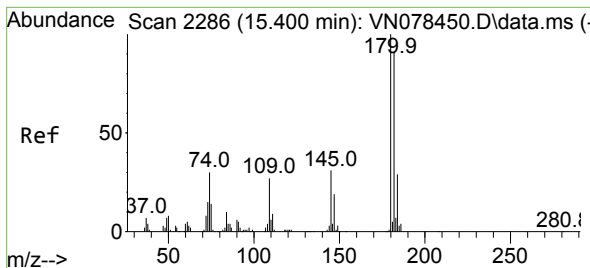
Tgt Ion: 75 Resp: 157974
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

Tgt Ion: 75 Resp: 246
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 25.2 50.3 150.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.249 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.012 min MSVOA_N

Lab File: VN078586.D

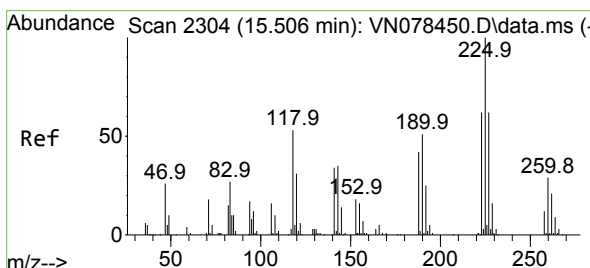
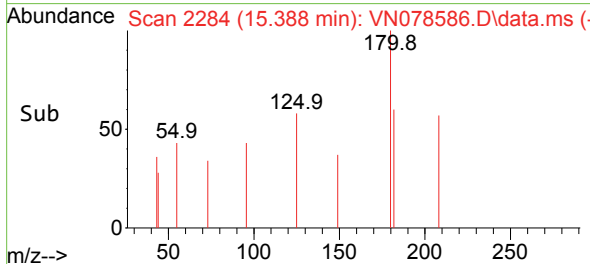
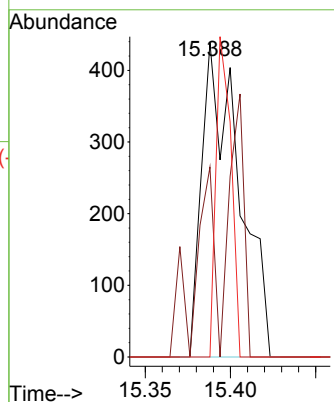
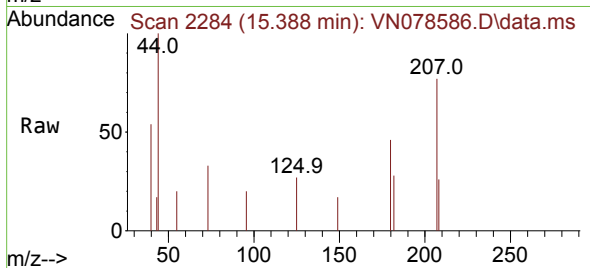
Acq: 20 Jul 2023 11:33

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180	Resp:	664
Ion Ratio	Lower	Upper
180	100	
182	32.1	46.1 138.2#
145	41.3	16.6 49.8



#94

Hexachlorobutadiene

Concen: Below Cal

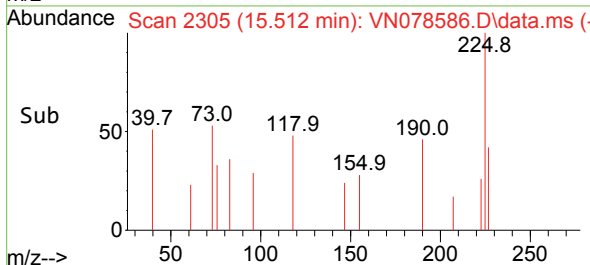
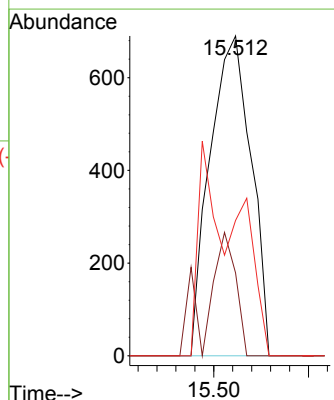
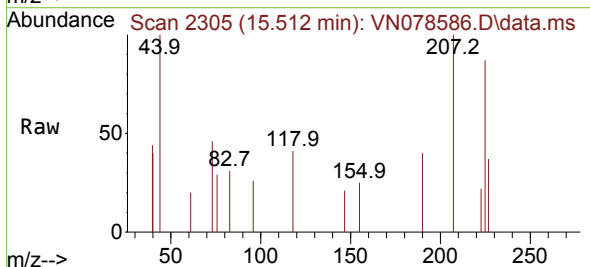
RT: 15.512 min Scan# 2305

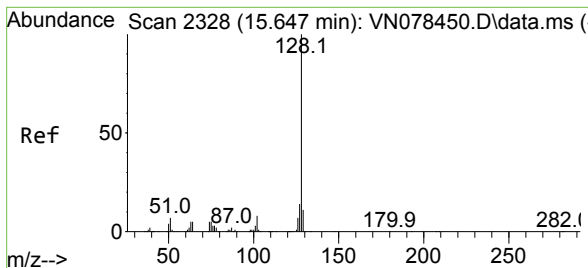
Delta R.T. 0.005 min

Lab File: VN078586.D

Acq: 20 Jul 2023 11:33

Tgt Ion:225	Resp:	1041
Ion Ratio	Lower	Upper
225	100	
223	27.0	31.3 93.8#
227	33.2	31.9 95.9

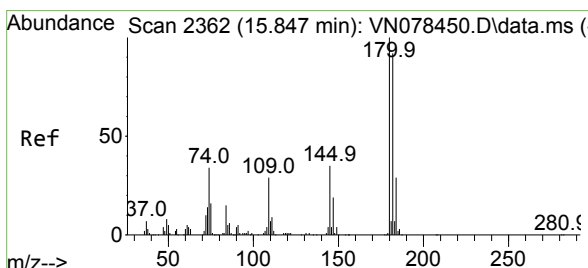
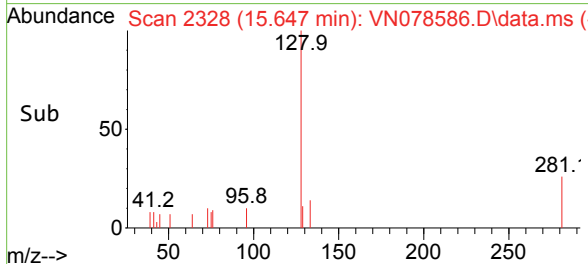
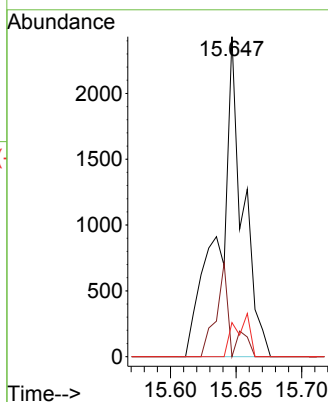
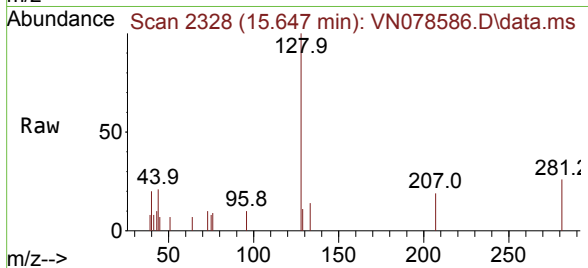




#95
Naphthalene
Concen: 0.334 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 3041
Ion Ratio Lower Upper
128 100
127 17.9 10.0 15.0#
129 8.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.359 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.006 min
Lab File: VN078586.D
Acq: 20 Jul 2023 11:33

Tgt Ion:180 Resp: 1099
Ion Ratio Lower Upper
180 100
182 78.1 46.2 138.6
145 42.1 17.5 52.6

