

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071923\
 Data File : VN078573.D
 Acq On : 19 Jul 2023 11:27
 Operator : JC\MD
 Sample : VN0719WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBL01

Quant Time: Jul 20 01:29:58 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)

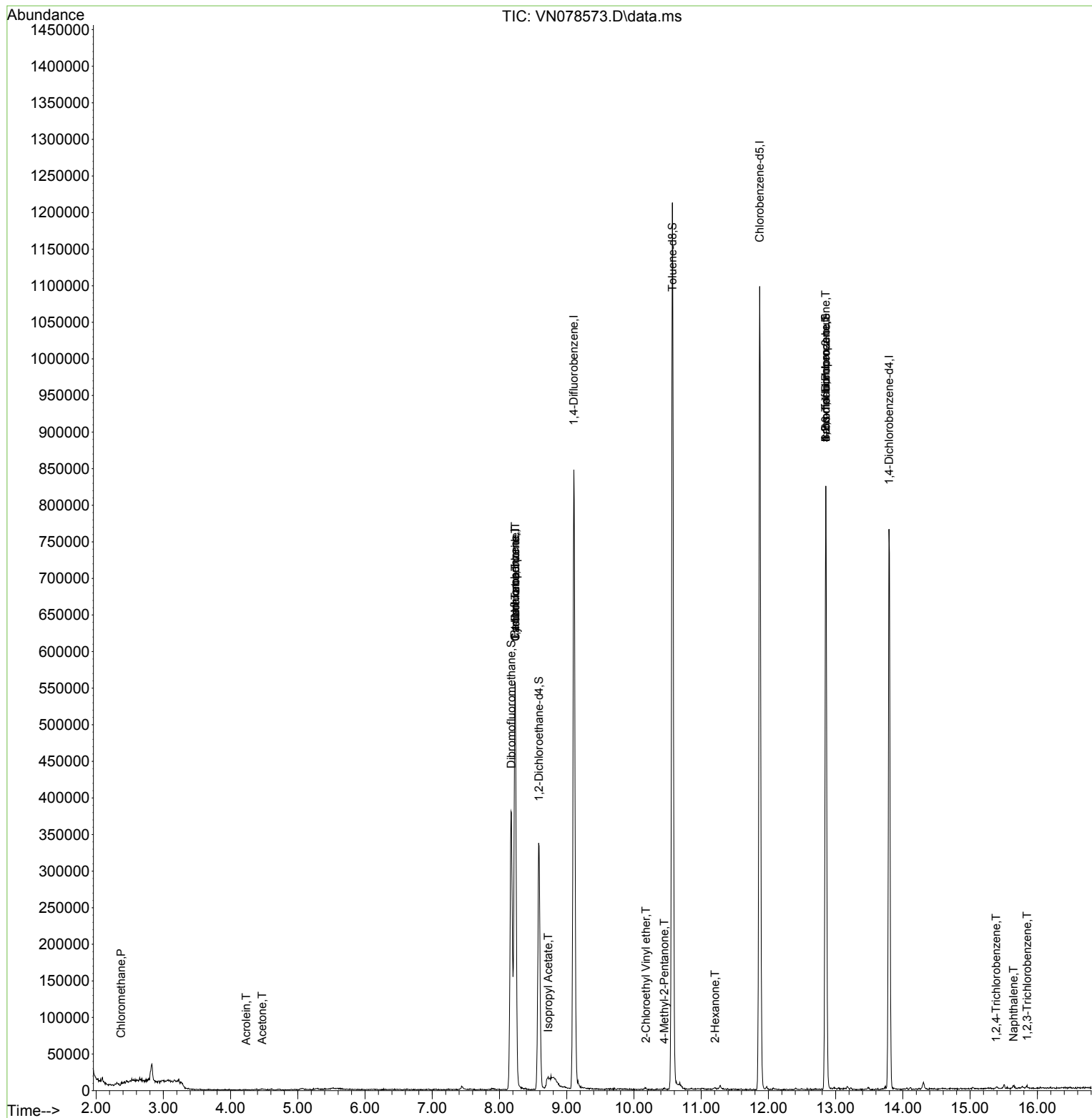
Internal Standards						
1) Pentafluorobenzene	8.230	168	412071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	744466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	668419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	213077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	272247	49.282	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.560%
35) Dibromofluoromethane	8.177	113	283331	56.064	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	112.120%
50) Toluene-d8	10.571	98	863550	45.233	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.460%
62) 4-Bromofluorobenzene	12.853	95	284778	48.427	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.860%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	2067	0.376	ug/l	92
5) Bromomethane	2.930	94	443	Below Cal	#	4
6) Chloroethane	3.089	64	494	Below Cal	#	77
13) Acrolein	4.230	56	214	0.255	ug/l	93
16) Acetone	4.471	43	1116	0.649	ug/l	# 40
20) Methylene Chloride	5.265	84	289	Below Cal	#	52
31) Cyclohexane	8.236	56	9993	1.339	ug/l	# 22
36) 1,1-Dichloropropene	8.236	75	34271	4.697	ug/l	# 48
38) Carbon Tetrachloride	8.236	117	43446	5.478	ug/l	# 16
43) Isopropyl Acetate	8.724	43	12456	1.244	ug/l	# 49
51) 4-Methyl-2-Pentanone	10.453	43	1471	0.247	ug/l	# 31
58) 2-Chloroethyl Vinyl ether	10.177	63	561	0.213	ug/l	# 42
59) 2-Hexanone	11.206	43	1870	0.442	ug/l	68
71) Bromoform	12.853	173	2598	0.667	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.941	83	643	Below Cal	#	57
76) 1,2,3-Trichloropropane	12.853	75	147371	28.614	ug/l	# 1
77) Bromobenzene	12.988	156	229	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	147371	75.192	ug/l	# 15
90) Hexachloroethane	14.329	117	65	Below Cal	#	21
92) 1,2-Dibromo-3-Chloropr...	14.729	75	68	Below Cal	#	4
93) 1,2,4-Trichlorobenzene	15.388	180	505	0.207	ug/l	# 77
94) Hexachlorobutadiene	15.512	225	922	Below Cal		80
95) Naphthalene	15.647	128	3602	0.432	ug/l	# 82
96) 1,2,3-Trichlorobenzene	15.847	180	1249	0.445	ug/l	86

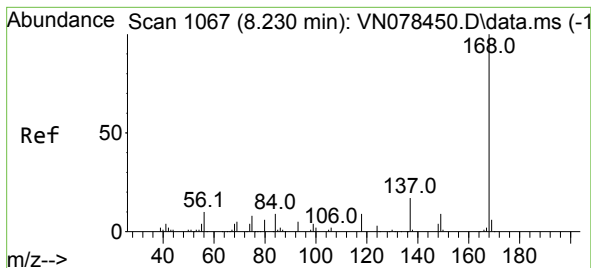
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071923\
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Instrument :
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Quant Time: Jul 20 01:29:58 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: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078573.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_N

ClientSampleId :

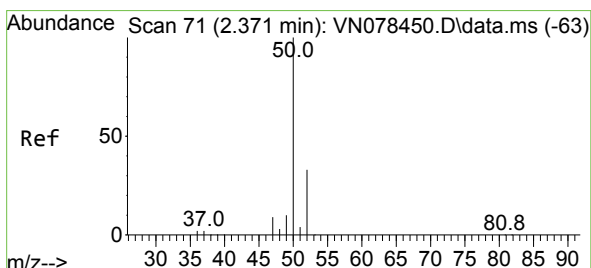
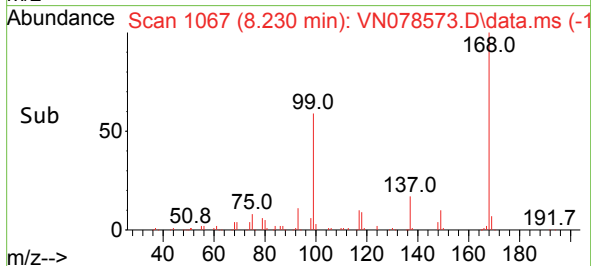
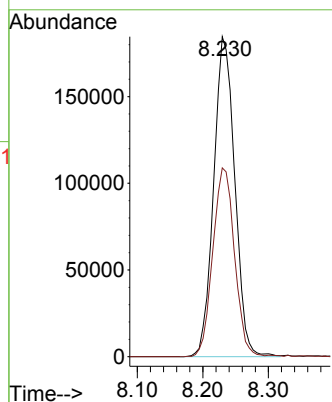
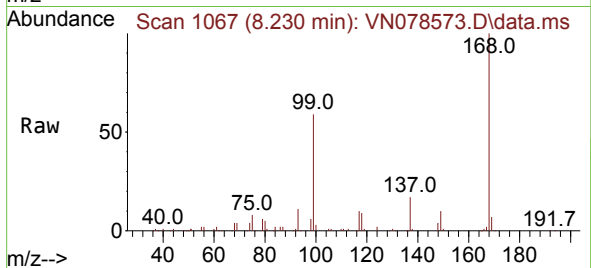
VN0719WBL01

Tgt Ion:168 Resp: 412071

Ion Ratio Lower Upper

168 100

99 59.0 53.0 79.6



#3

Chloromethane

Concen: 0.376 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078573.D

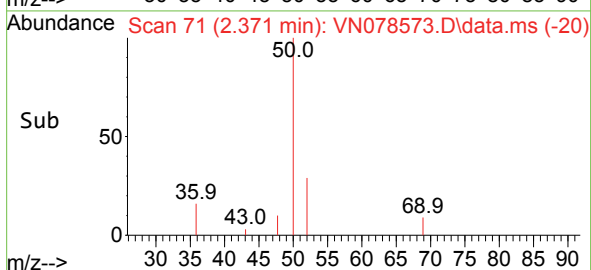
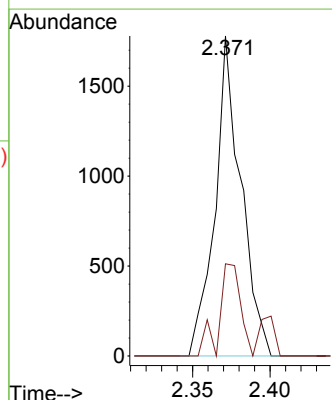
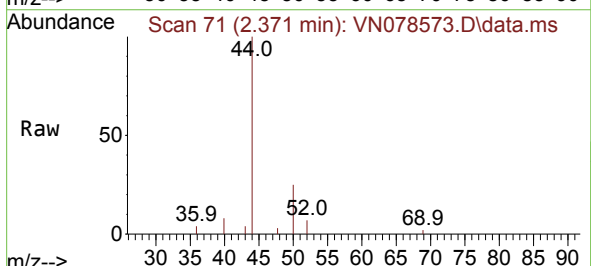
Acq: 19 Jul 2023 11:27

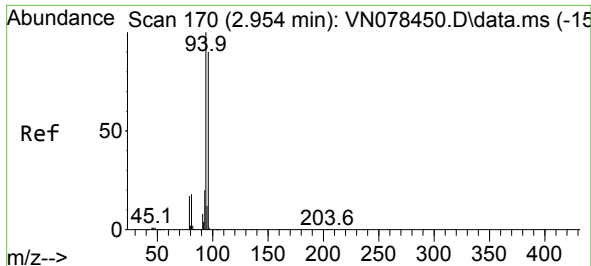
Tgt Ion: 50 Resp: 2067

Ion Ratio Lower Upper

50 100

52 28.8 26.5 39.7

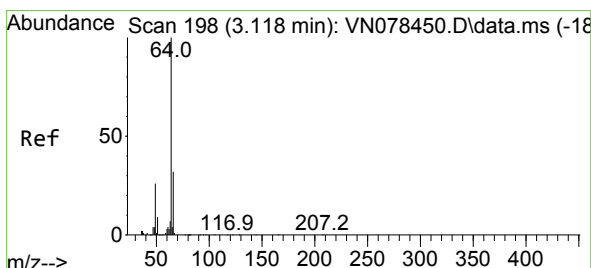
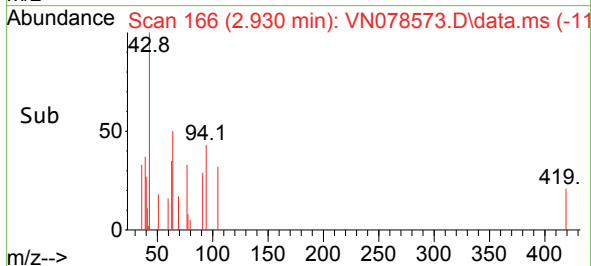
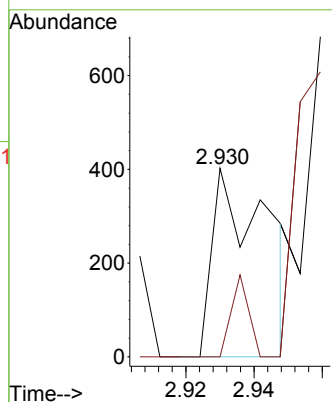
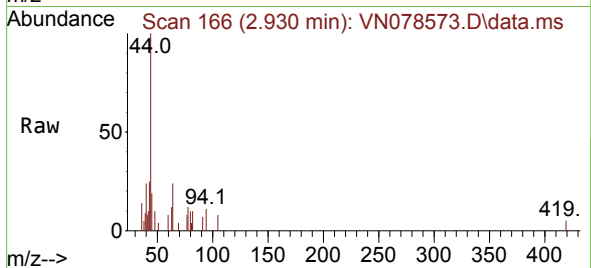




#5
Bromomethane
Concen: Below Cal
RT: 2.930 min Scan# 1
Delta R.T. -0.024 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

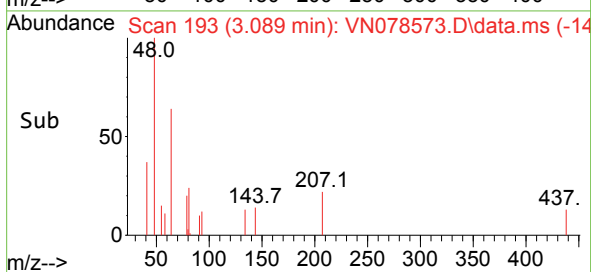
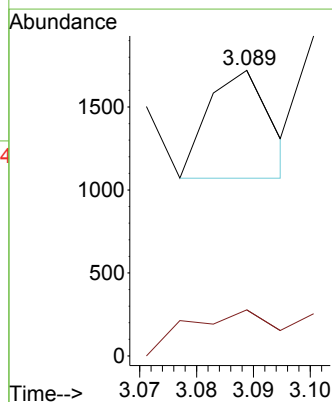
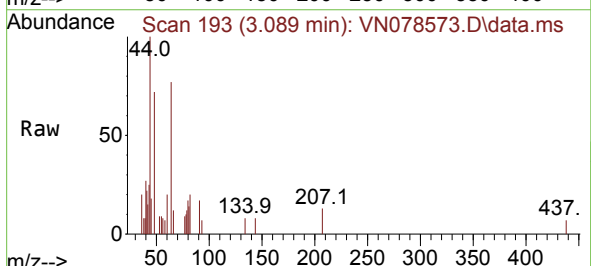
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBL01

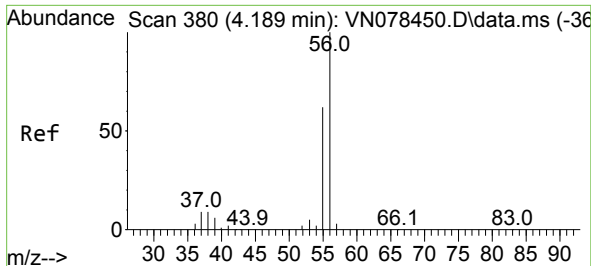
Tgt Ion: 94 Resp: 443
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.089 min Scan# 193
Delta R.T. -0.029 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 64 Resp: 494
Ion Ratio Lower Upper
64 100
66 19.2 25.4 38.2#

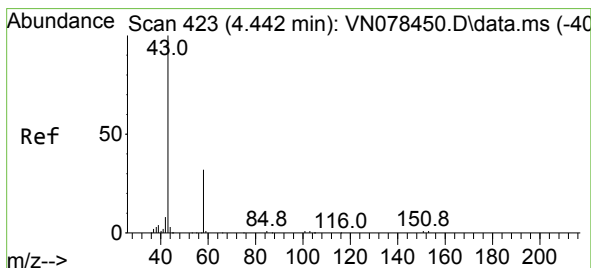
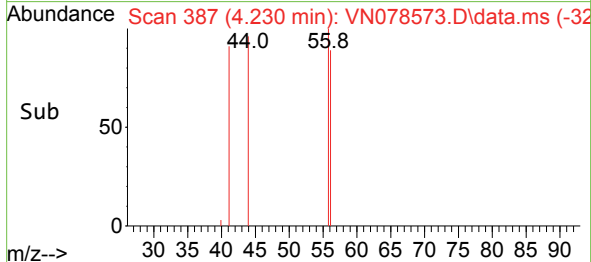
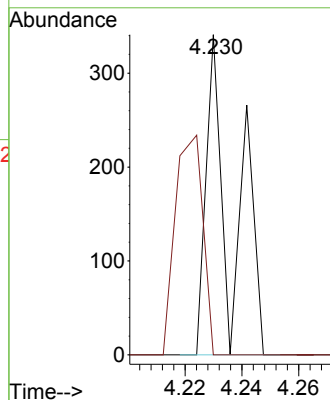
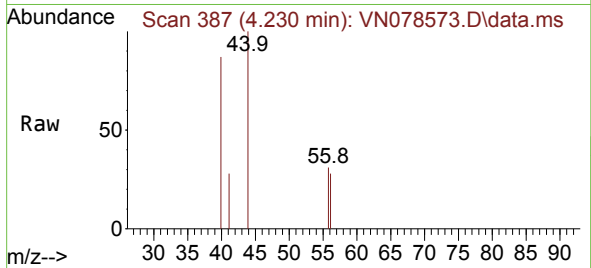




#13
Acrolein
Concen: 0.255 ug/l
RT: 4.230 min Scan# 31
Delta R.T. 0.041 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

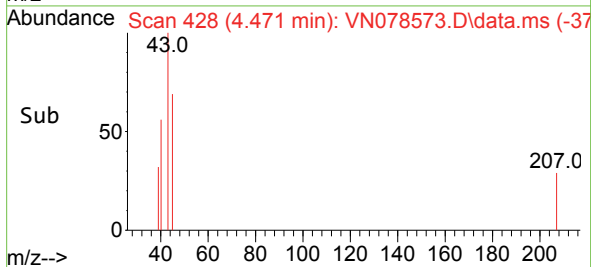
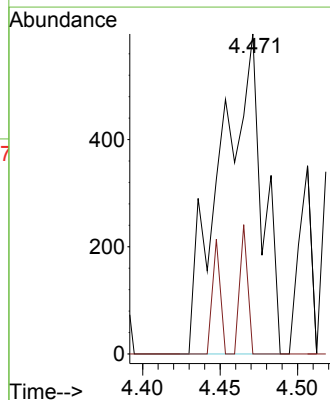
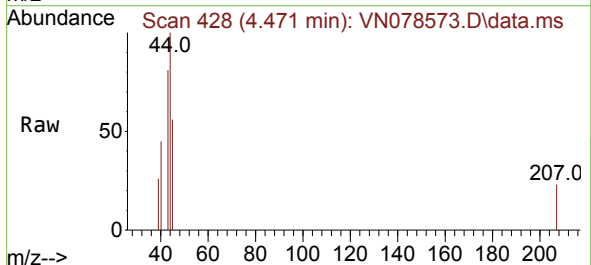
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBL01

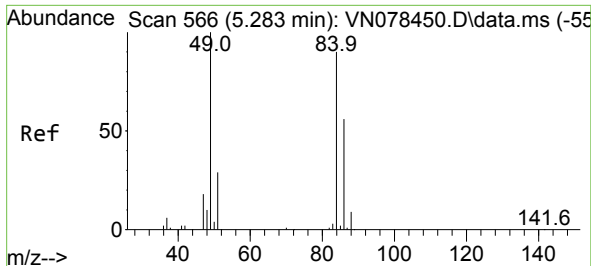
Tgt Ion: 56 Resp: 214
Ion Ratio Lower Upper
56 100
55 73.4 54.5 81.7



#16
Acetone
Concen: 0.649 ug/l
RT: 4.471 min Scan# 428
Delta R.T. 0.029 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

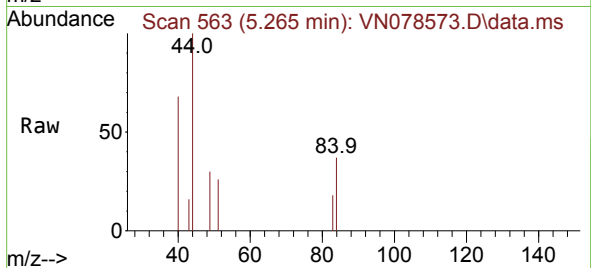
Tgt Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



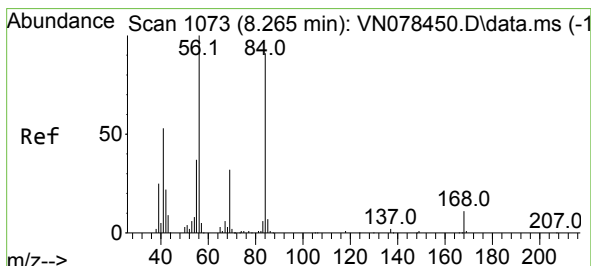
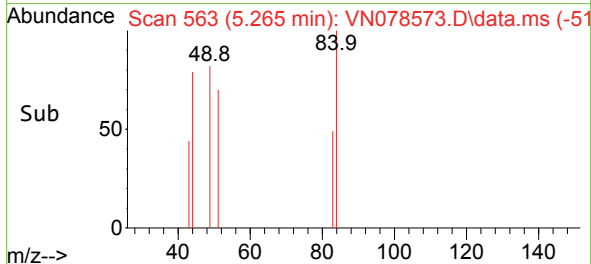
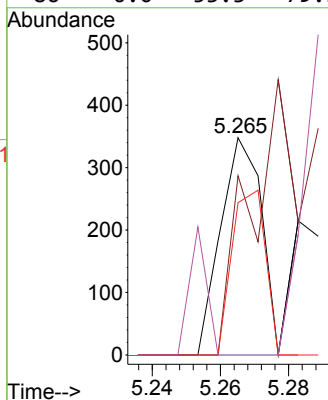


#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBL01

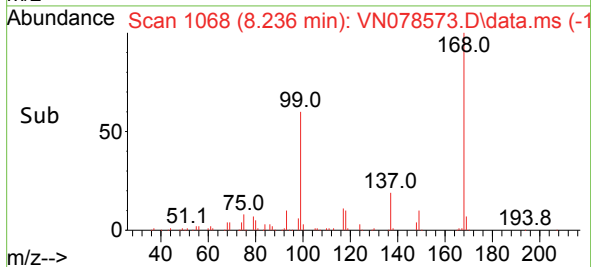
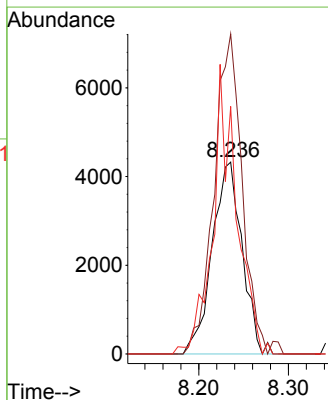
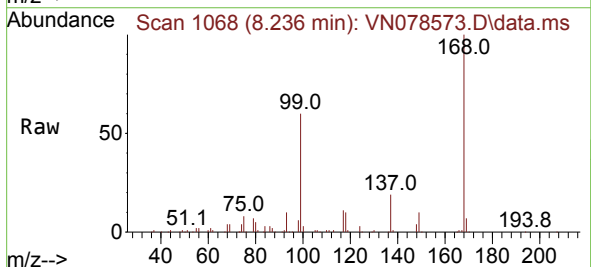


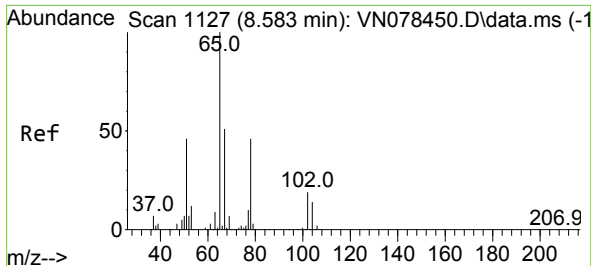
Tgt Ion:	84	Resp:	289
Ion	Ratio	Lower	Upper
84	100		
49	82.5	79.7	119.5
51	70.1	25.2	37.8#
86	0.0	53.3	79.9#



#31
Cyclohexane
Concen: 1.339 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

Tgt Ion:	56	Resp:	9993
Ion	Ratio	Lower	Upper
56	100		
69	166.7	26.8	40.2#
84	129.0	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 49.282 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078573.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_N

ClientSampleId :

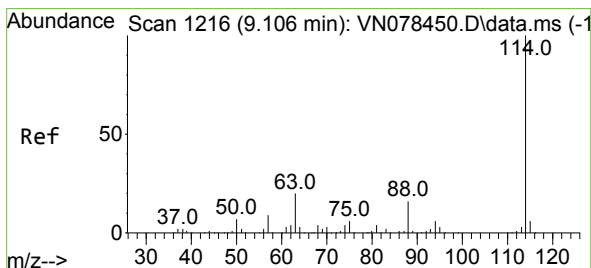
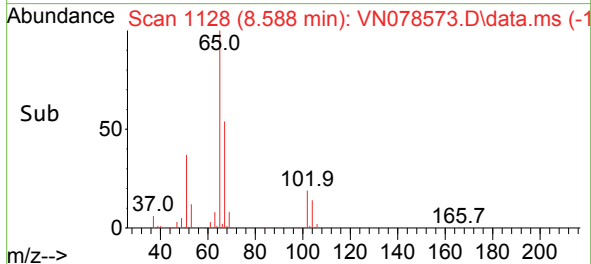
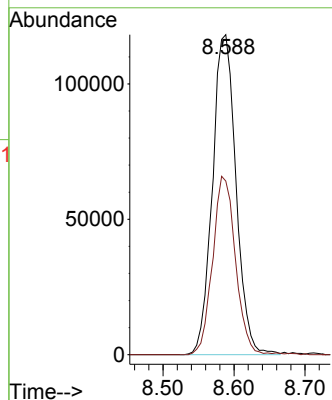
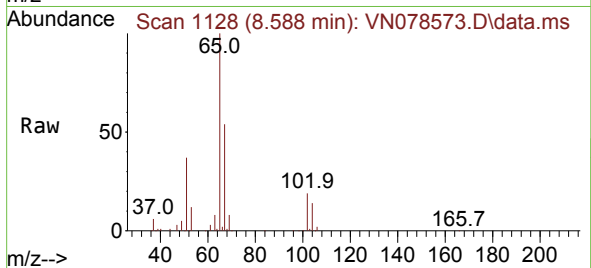
VN0719WBL01

Tgt Ion: 65 Resp: 272247

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078573.D

Acq: 19 Jul 2023 11:27

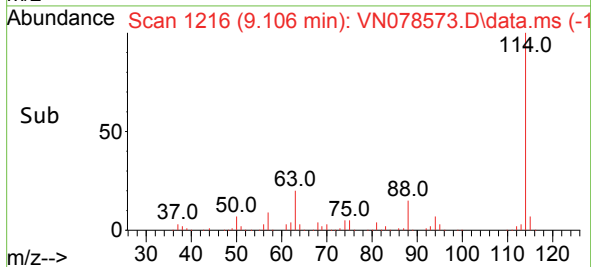
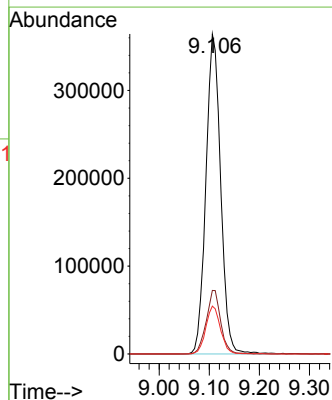
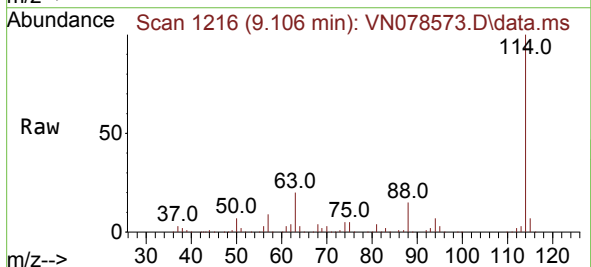
Tgt Ion: 114 Resp: 744466

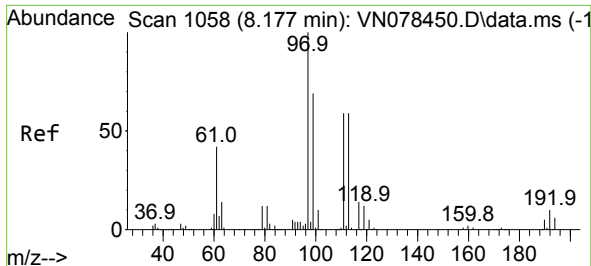
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

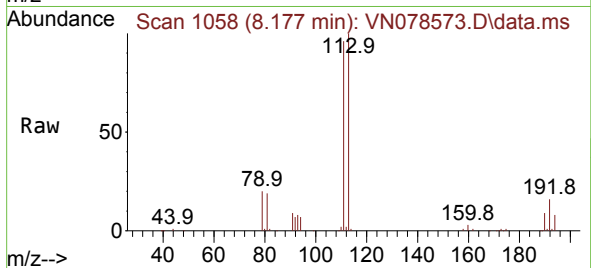
88 14.9 0.0 30.6



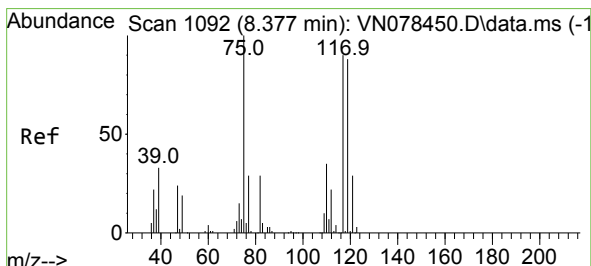
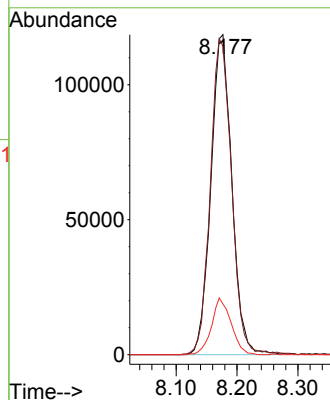
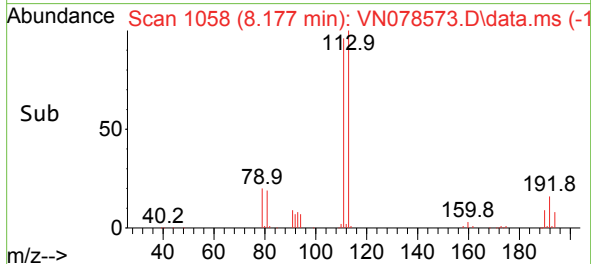


#35
Dibromofluoromethane
Concen: 56.064 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

Instrument :
MSVOA_N
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VN0719WBL01

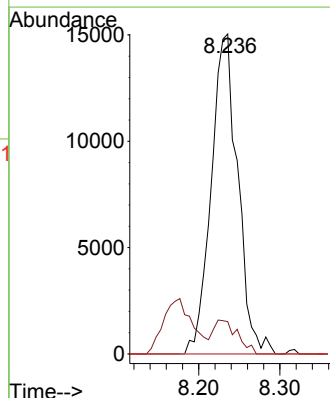
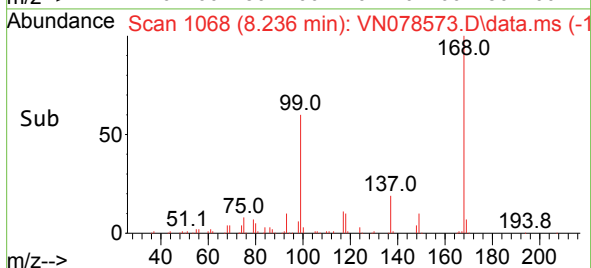
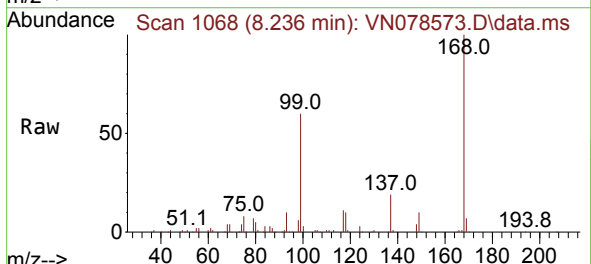


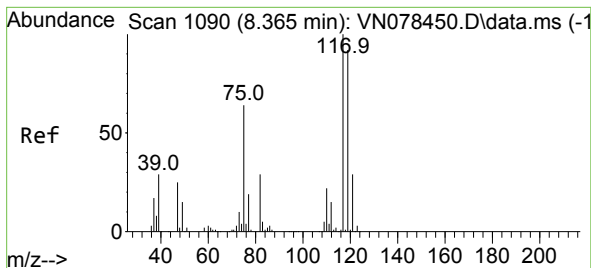
Tgt Ion:113 Resp: 283331
Ion Ratio Lower Upper
113 100
111 99.9 82.6 123.8
192 16.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.697 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 75 Resp: 34271
Ion Ratio Lower Upper
75 100
110 9.5 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.478 ug/l

RT: 8.236 min Scan# 1105

Delta R.T. -0.129 min

Lab File: VN078573.D

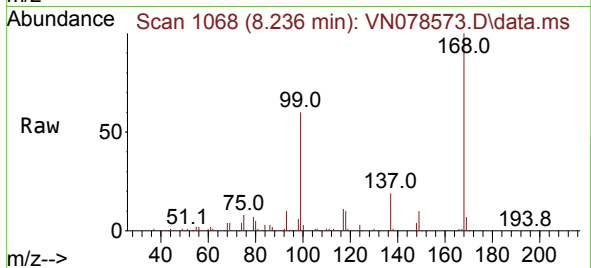
Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBL01



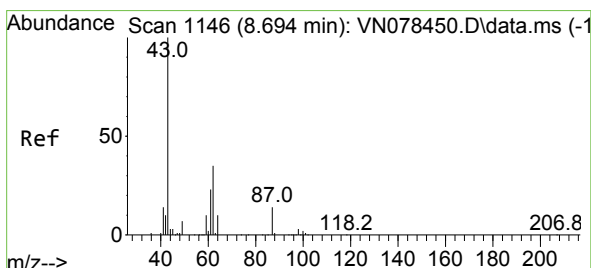
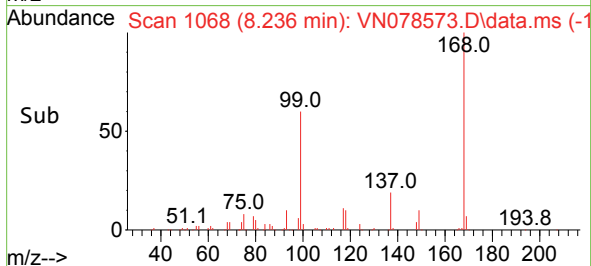
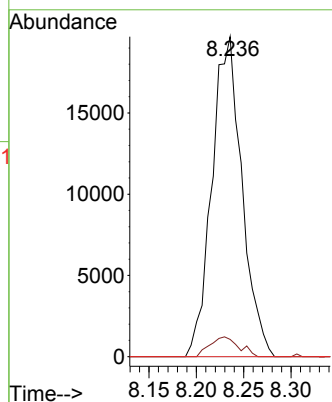
Tgt Ion:117 Resp: 43446

Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 1.244 ug/l

RT: 8.724 min Scan# 1151

Delta R.T. 0.030 min

Lab File: VN078573.D

Acq: 19 Jul 2023 11:27

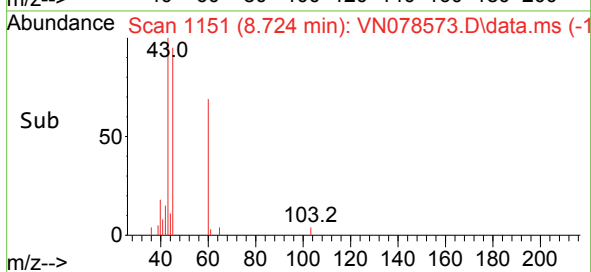
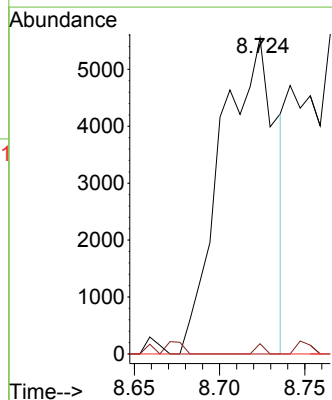
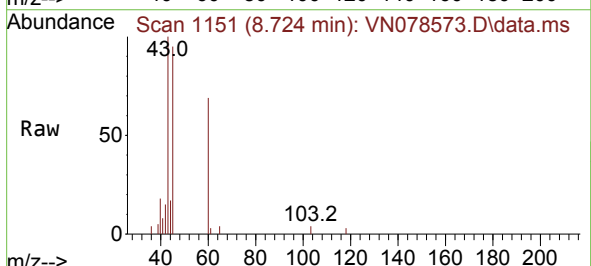
Tgt Ion: 43 Resp: 12456

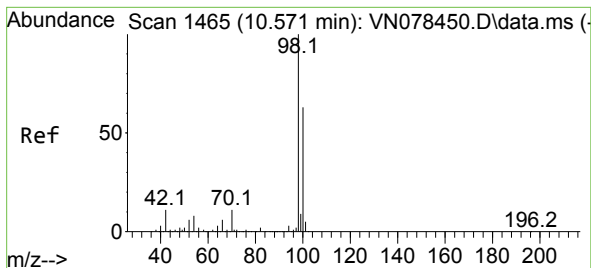
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

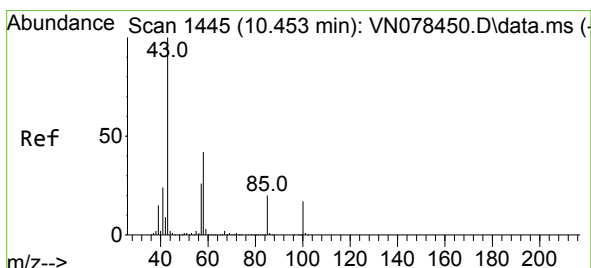
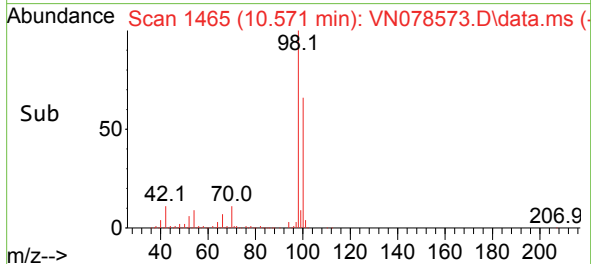
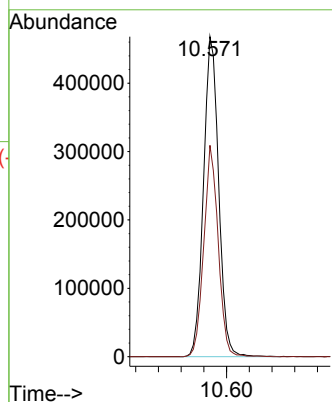
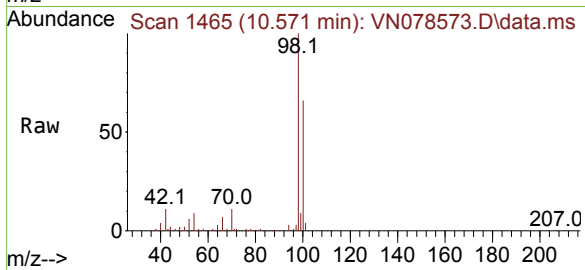




#50
Toluene-d8
Concen: 45.233 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

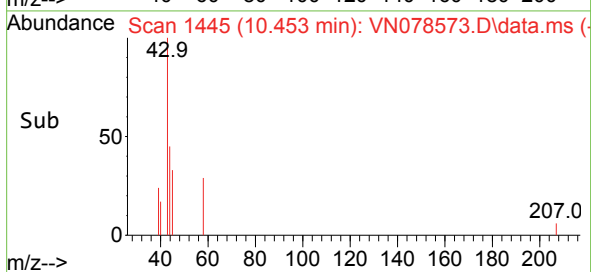
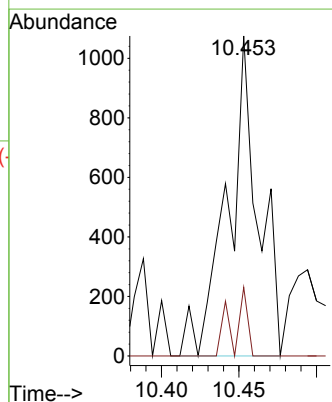
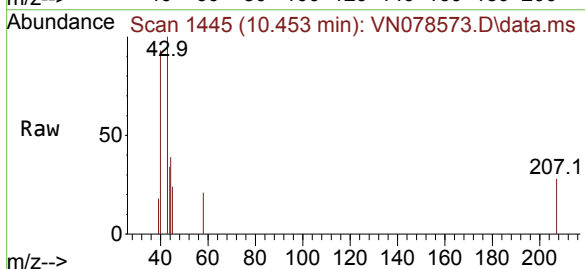
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBL01

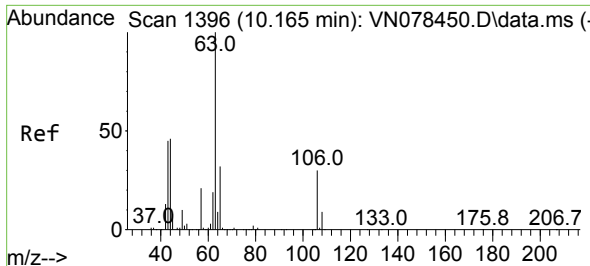
Tgt Ion: 98 Resp: 863550
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.247 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 43 Resp: 1471
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#

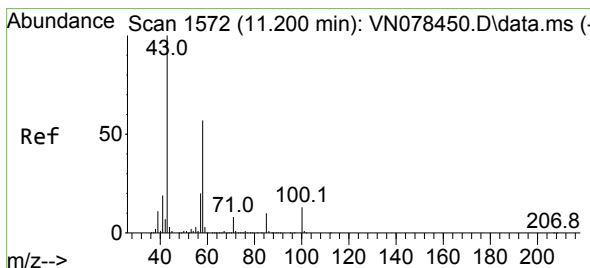
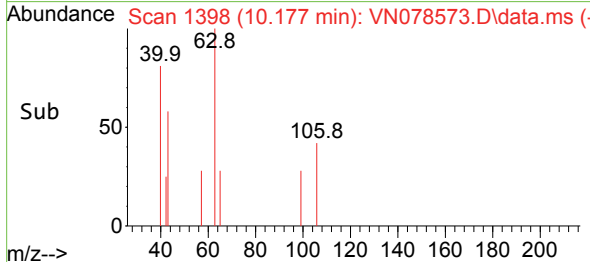
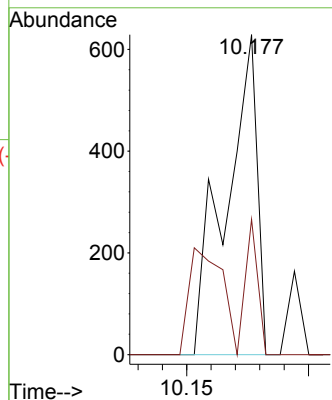
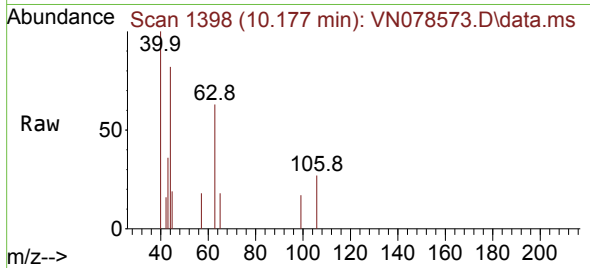




#58
2-Chloroethyl Vinyl ether
Concen: 0.213 ug/l
RT: 10.177 min Scan# 1398
Delta R.T. 0.012 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

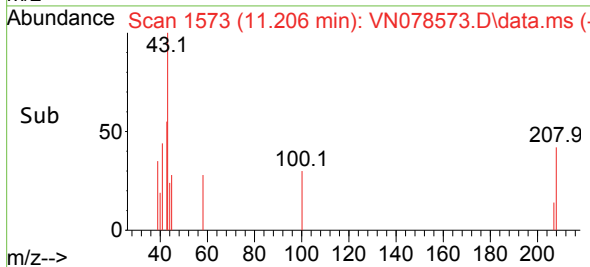
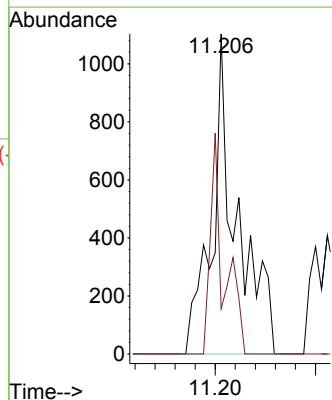
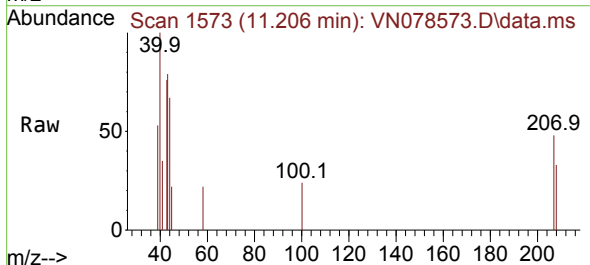
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBL01

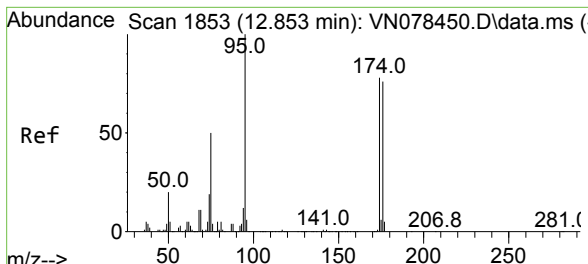
Tgt Ion: 63 Resp: 561
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 0.442 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 43 Resp: 1870
Ion Ratio Lower Upper
43 100
58 38.2 31.7 95.1

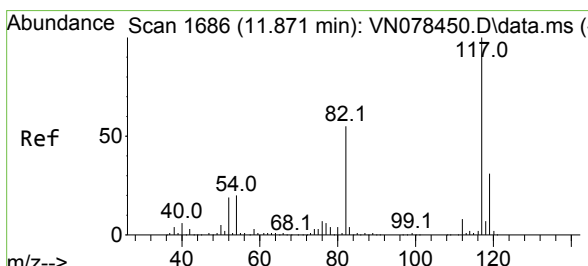
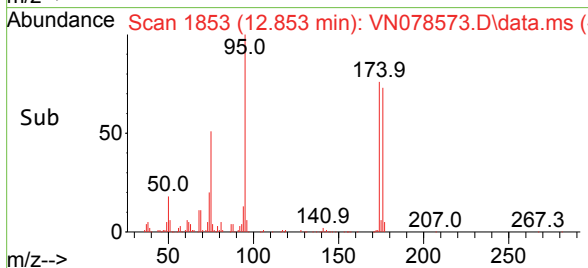
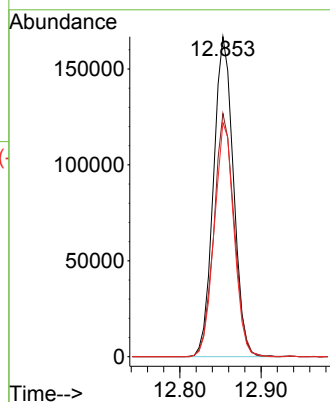
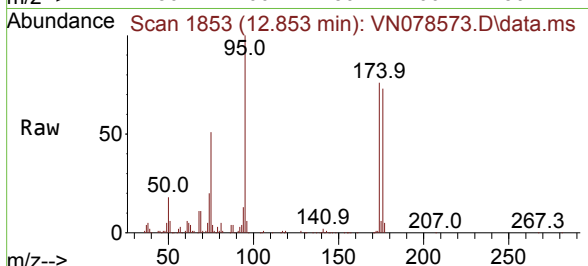




#62
4-Bromofluorobenzene
Concen: 48.427 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

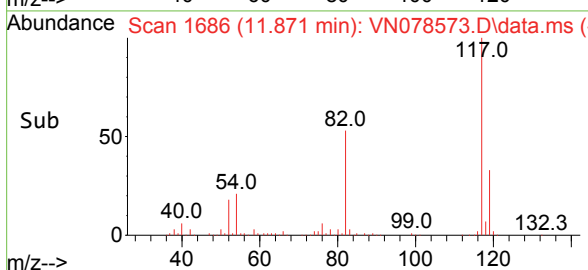
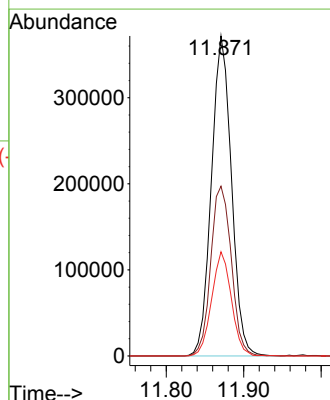
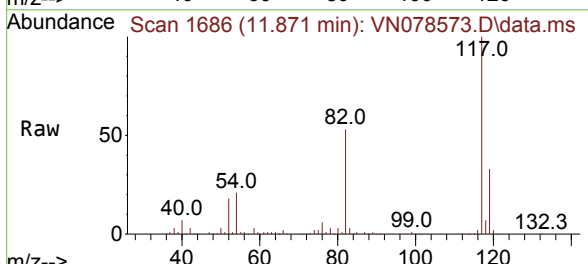
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBL01

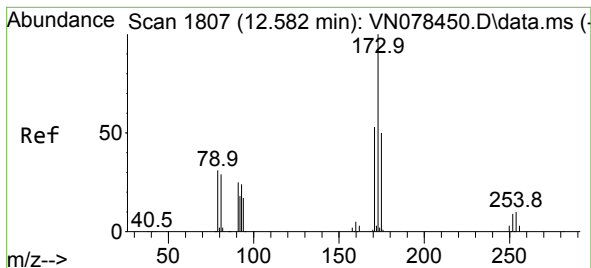
Tgt Ion:	95	Resp:	284778
Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	143.8
176	72.6	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

Tgt Ion:	117	Resp:	668419
Ion	Ratio	Lower	Upper
117	100		
82	53.0	44.0	66.0
119	32.6	25.6	38.4





#71

Bromoform

Concen: 0.667 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN078573.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBL01

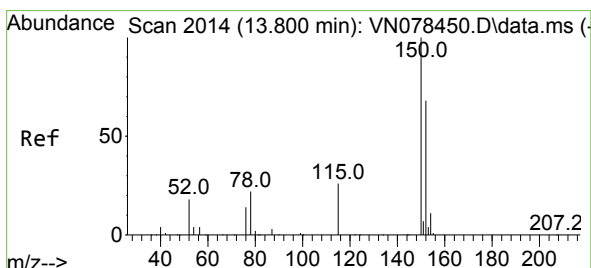
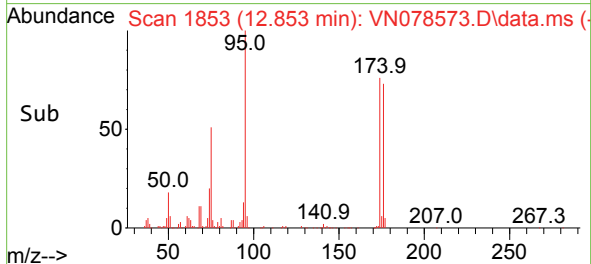
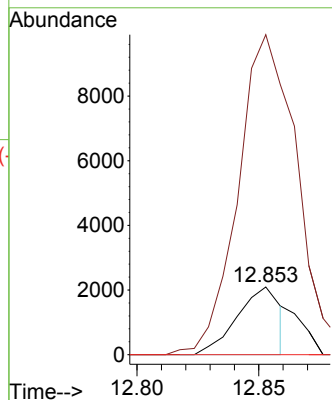
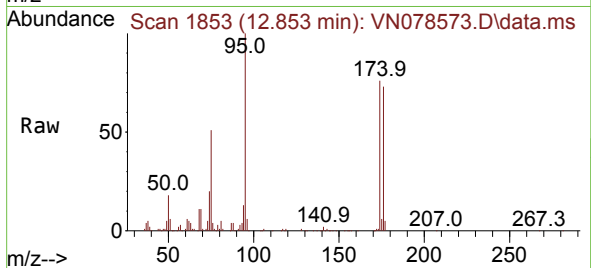
Tgt Ion:173 Resp: 2598

Ion Ratio Lower Upper

173 100

175 481.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.006 min

Lab File: VN078573.D

Acq: 19 Jul 2023 11:27

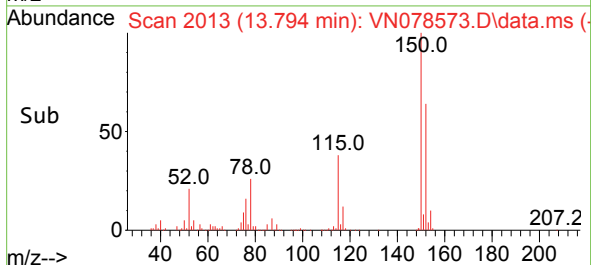
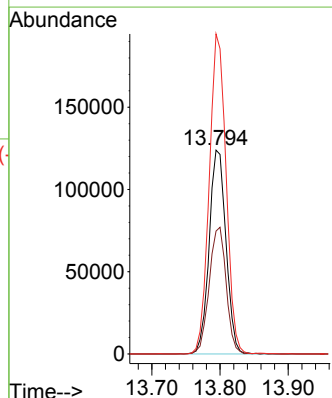
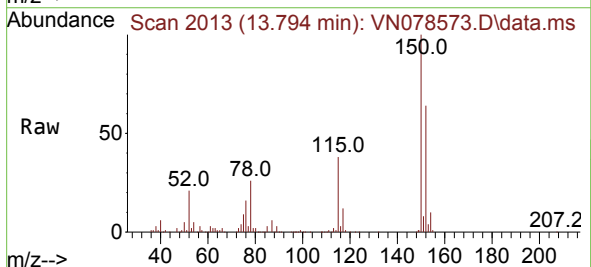
Tgt Ion:152 Resp: 213077

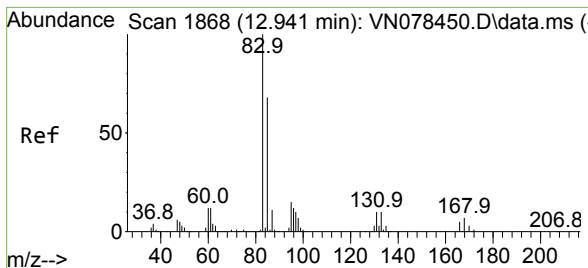
Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 156.8 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: VN078573.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBL01

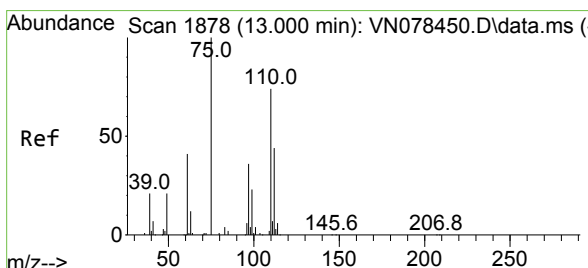
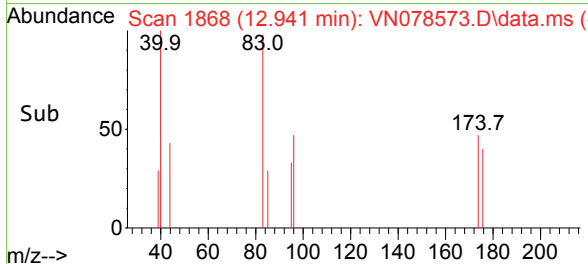
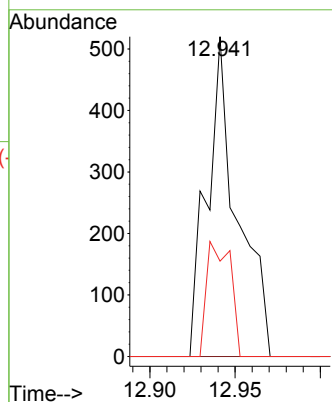
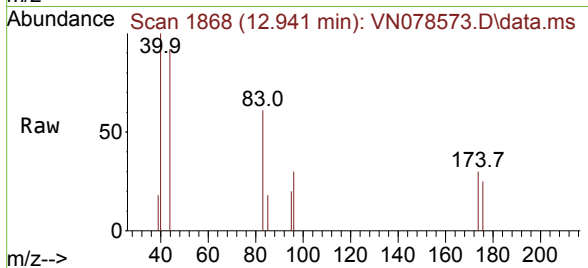
Tgt Ion: 83 Resp: 643

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 28.1 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 28.614 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078573.D

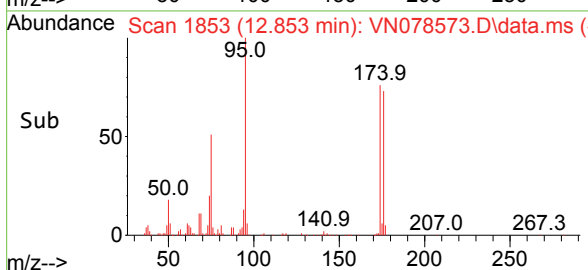
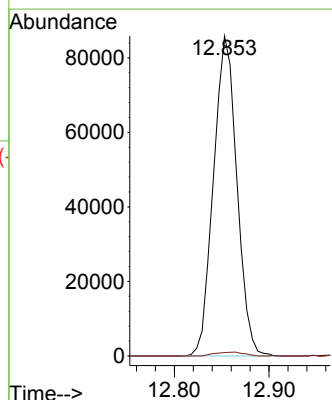
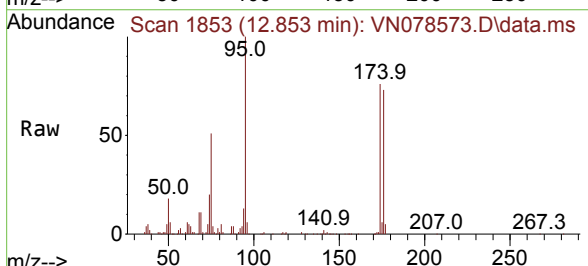
Acq: 19 Jul 2023 11:27

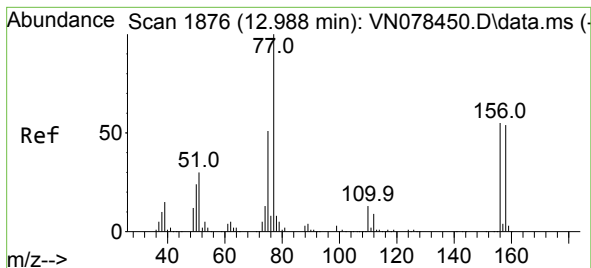
Tgt Ion: 75 Resp: 147371

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#





#77

Bromobenzene

Concen: Below Cal

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN078573.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBL01

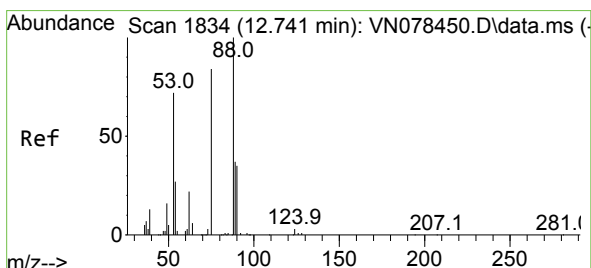
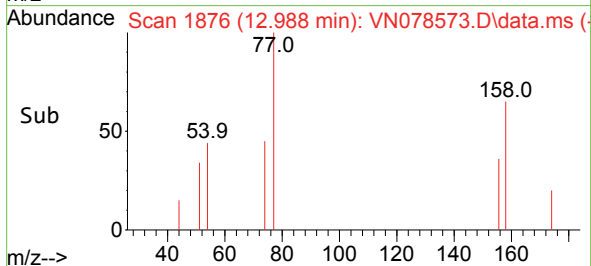
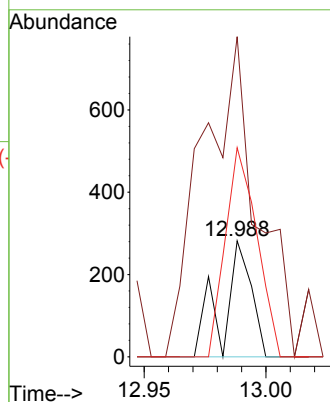
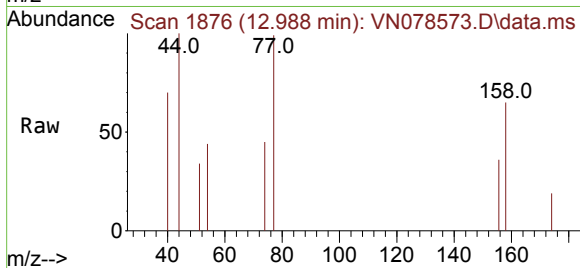
Tgt Ion:156 Resp: 229

Ion Ratio Lower Upper

156 100

77 555.9 107.7 323.3#

158 200.4 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.192 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078573.D

Acq: 19 Jul 2023 11:27

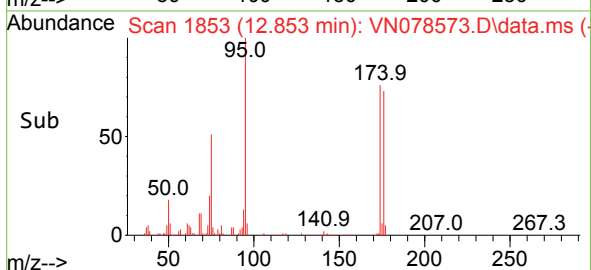
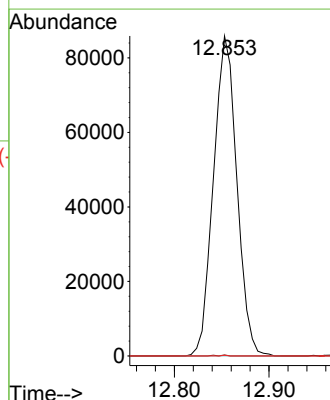
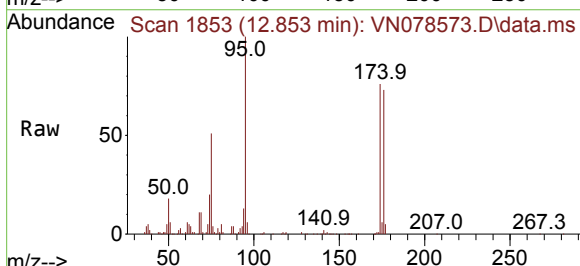
Tgt Ion: 75 Resp: 147371

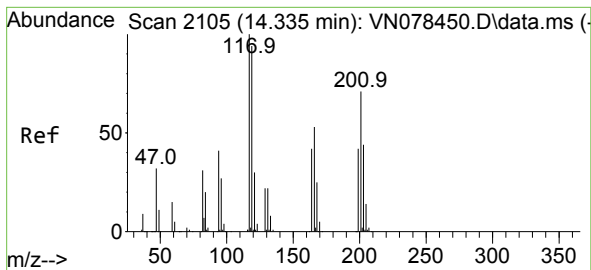
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

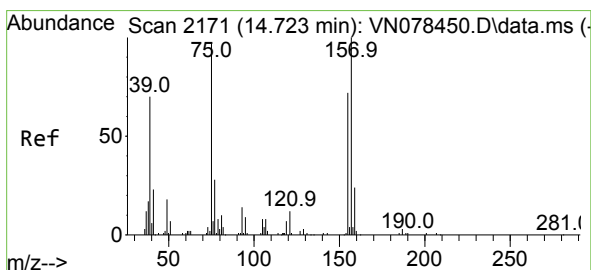
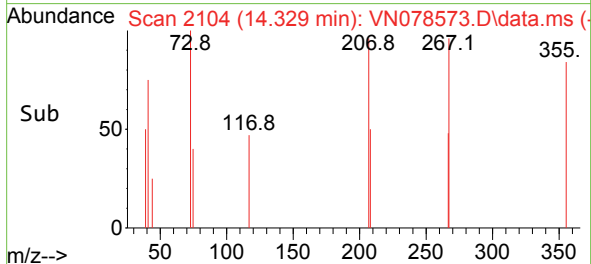
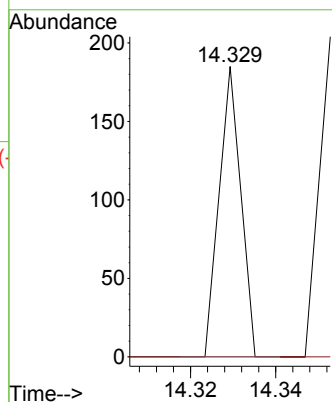
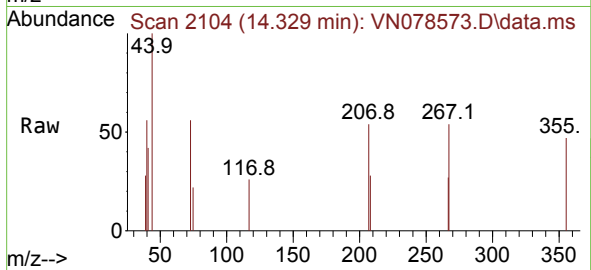




#90
Hexachloroethane
Concen: Below Cal
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

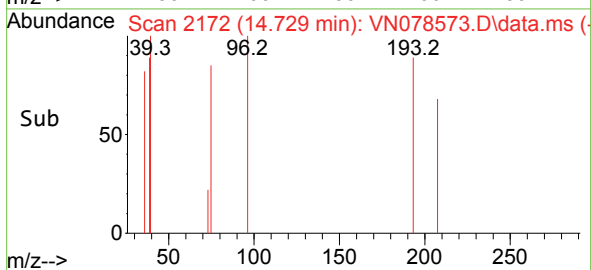
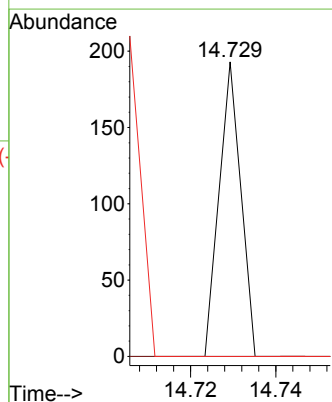
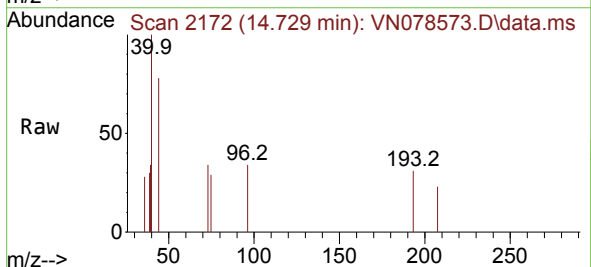
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBL01

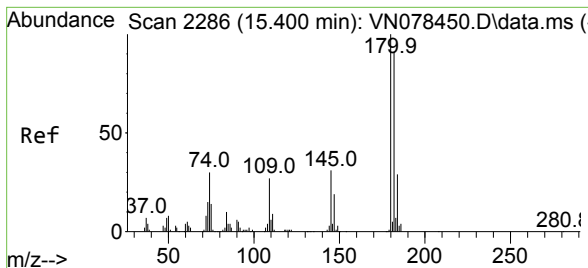
Tgt Ion:117 Resp: 65
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.729 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VN078573.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 75 Resp: 68
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.207 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.012 min

Lab File: VN078573.D

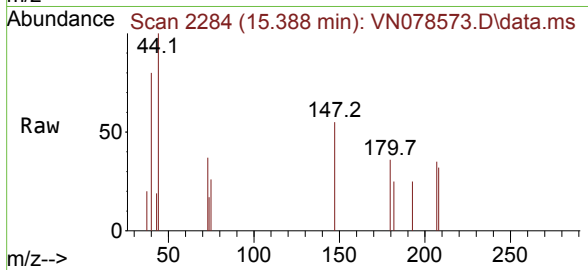
Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBL01



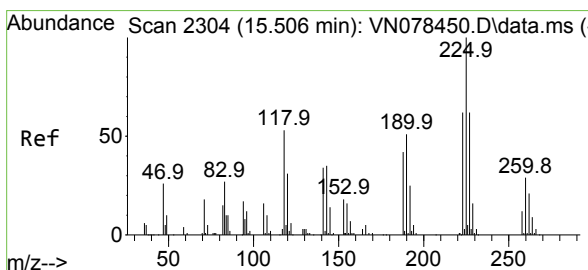
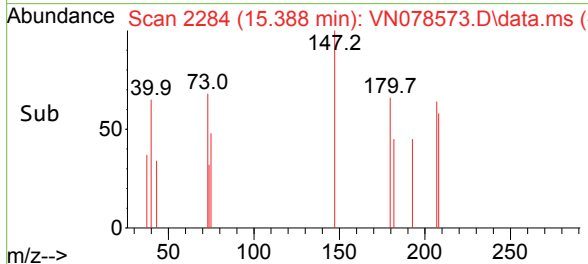
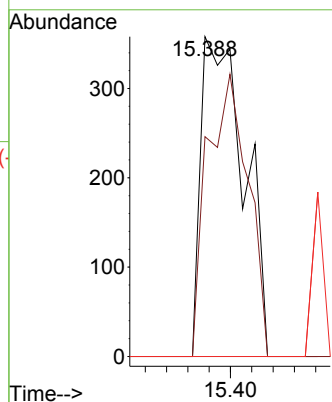
Tgt Ion:180 Resp: 505

Ion Ratio Lower Upper

180 100

182 83.0 46.1 138.2

145 0.0 16.6 49.8#



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.512 min Scan# 2305

Delta R.T. 0.006 min

Lab File: VN078573.D

Acq: 19 Jul 2023 11:27

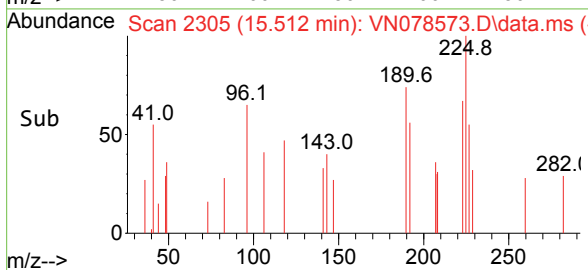
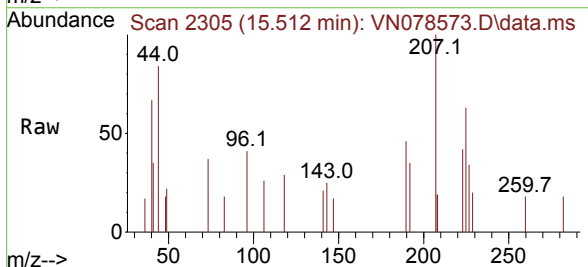
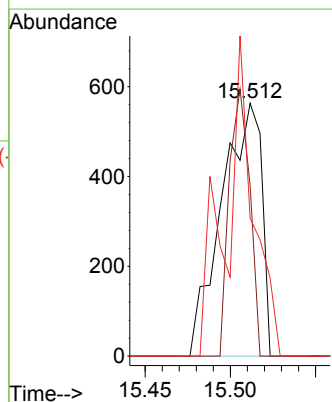
Tgt Ion:225 Resp: 922

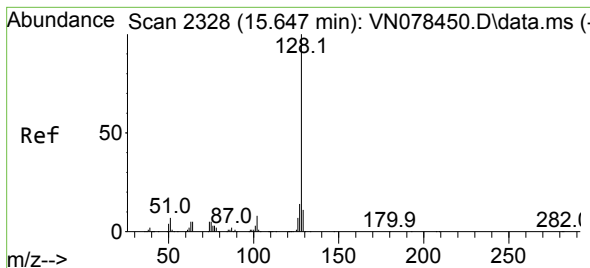
Ion Ratio Lower Upper

225 100

223 54.0 31.3 93.8

227 87.0 31.9 95.9





#95

Naphthalene

Concen: 0.432 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078573.D

Acq: 19 Jul 2023 11:27

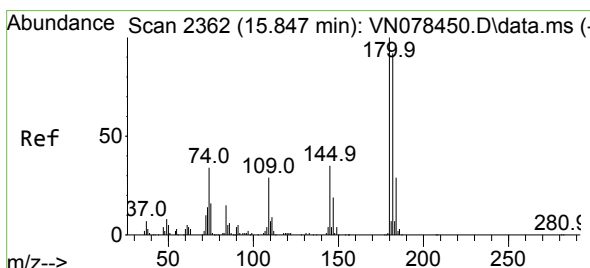
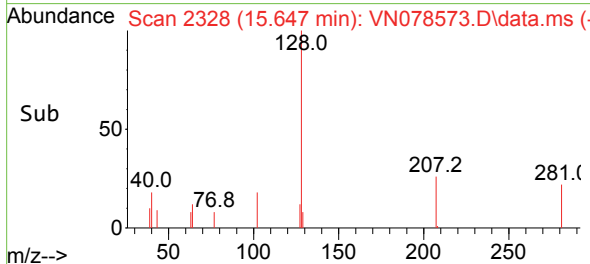
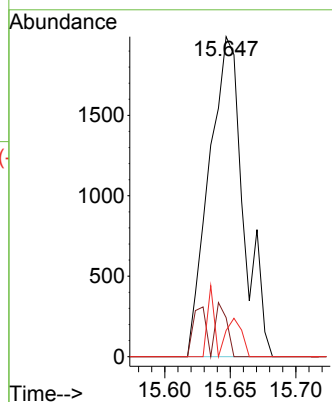
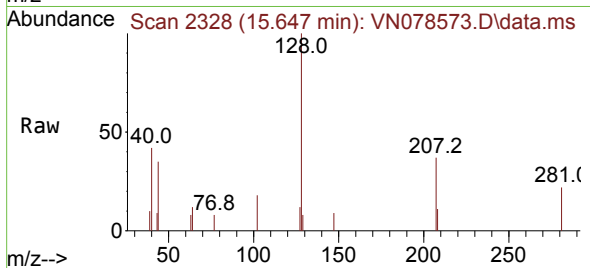
Instrument :

MSVOA_N

ClientSampleId :

VN0719WBL01

Tgt Ion:	128	Resp:	3602
Ion	Ratio	Lower	Upper
128	100		
127	5.7	10.0	15.0#
129	3.9	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.445 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. -0.000 min

Lab File: VN078573.D

Acq: 19 Jul 2023 11:27

Tgt Ion:	180	Resp:	1249
Ion	Ratio	Lower	Upper
180	100		
182	80.7	46.2	138.6
145	24.8	17.5	52.6

