

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013123\
 Data File : VN076476.D
 Acq On : 31 Jan 2023 10:14
 Operator : JC\MD
 Sample : VN0131WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131WBL01

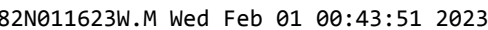
Quant Time: Feb 01 00:43:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

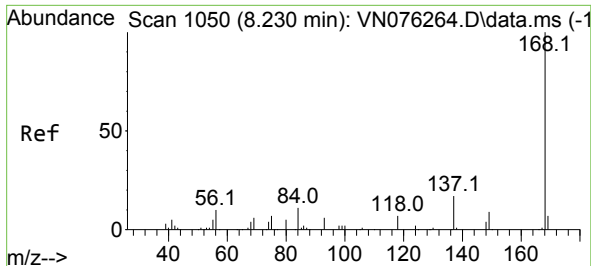
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	449040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	741585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	622910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	239164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	275711	54.837	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.680%	
35) Dibromofluoromethane	8.177	113	233604	50.357	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.720%	
50) Toluene-d8	10.570	98	847260	49.455	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.900%	
62) 4-Bromofluorobenzene	12.853	95	256658	45.891	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.780%	
Target Compounds						
					Qvalue	
16) Acetone	4.459	43	611	0.306	ug/l #	80
20) Methylene Chloride	5.300	84	309	Below Cal	#	53
31) Cyclohexane	8.229	56	9660	1.251	ug/l #	25
36) 1,1-Dichloropropene	8.229	75	34956	5.303	ug/l #	49
38) Carbon Tetrachloride	8.229	117	47265	6.430	ug/l #	17
43) Isopropyl Acetate	8.747	43	2615	0.304	ug/l #	51
59) 2-Hexanone	11.212	43	1018	0.278	ug/l	70
71) Bromoform	12.853	173	1714	0.484	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	137293	31.154	ug/l #	1
77) Bromobenzene	12.982	156	132	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	137293	95.513	ug/l #	11
88) 1,4-Dichlorobenzene	13.817	146	1297	0.257	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.394	180	1259	1.597	ug/l #	18
95) Naphthalene	15.641	128	5181	2.241	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.841	180	1204	1.448	ug/l	95

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

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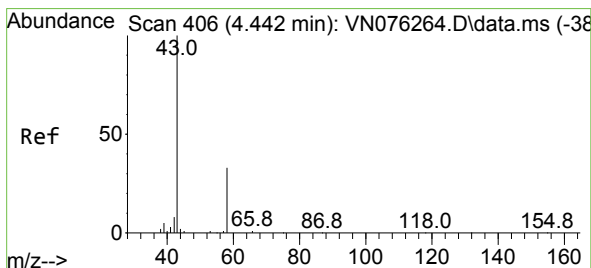
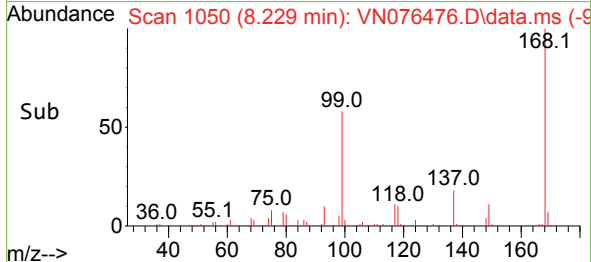
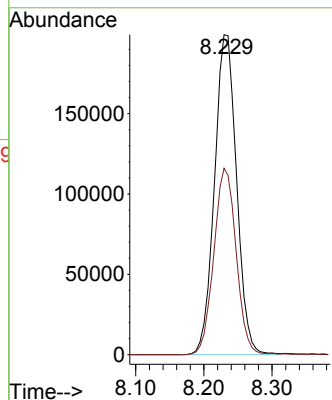
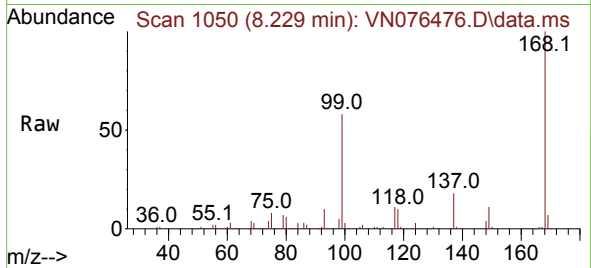




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

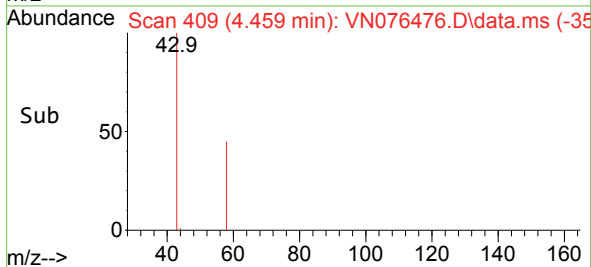
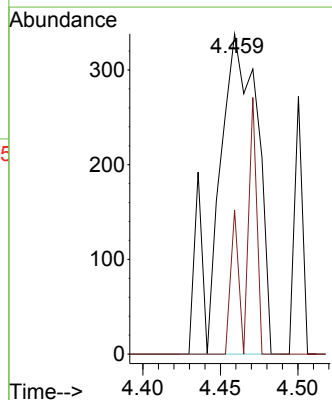
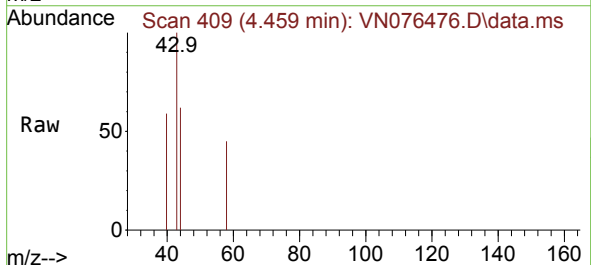
Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

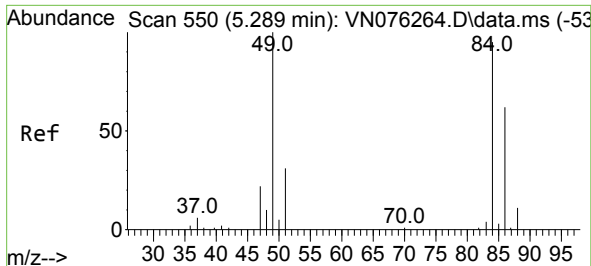
Tgt Ion:168 Resp: 449040
Ion Ratio Lower Upper
168 100
99 58.3 41.6 62.4



#16
Acetone
Concen: 0.306 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.017 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

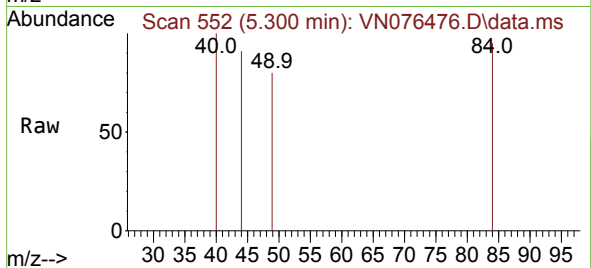
Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
58 45.0 26.7 40.1#





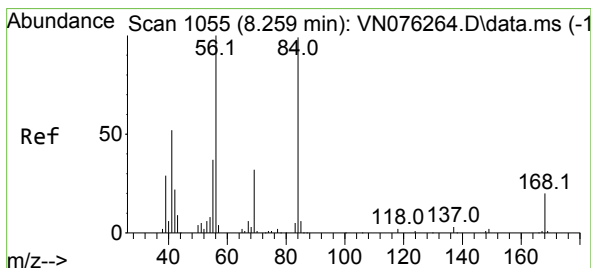
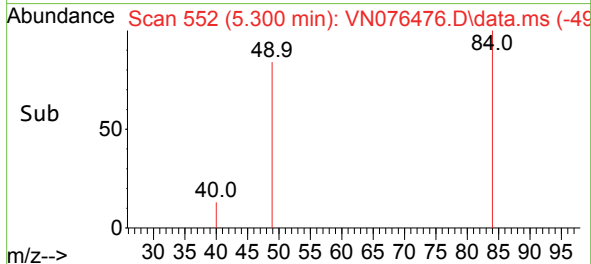
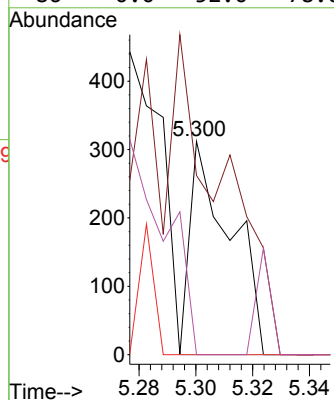
#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01



Tgt Ion: 84 Resp: 309

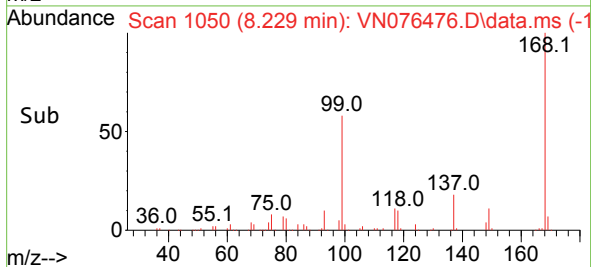
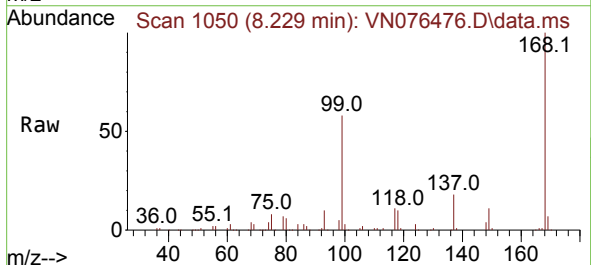
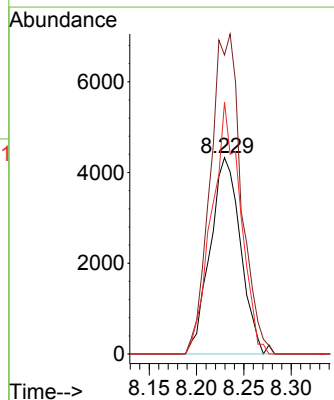
Ion	Ratio	Lower	Upper
84	100		
49	84.0	84.5	126.7#
51	0.0	26.0	39.0#
86	0.0	52.0	78.0#

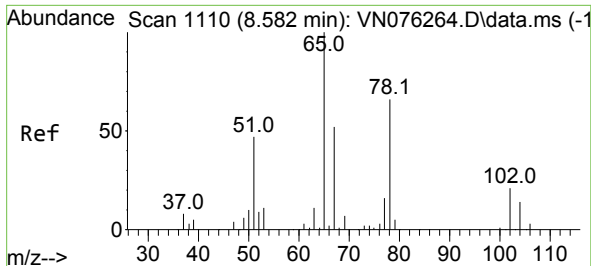


#31
Cyclohexane
Concen: 1.251 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

Tgt Ion: 56 Resp: 9660

Ion	Ratio	Lower	Upper
56	100		
69	152.2	25.8	38.8#
84	128.3	79.0	118.4#





#33

1,2-Dichloroethane-d4

Concen: 54.837 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076476.D

Acq: 31 Jan 2023 10:14

Instrument :

MSVOA_N

ClientSampleId :

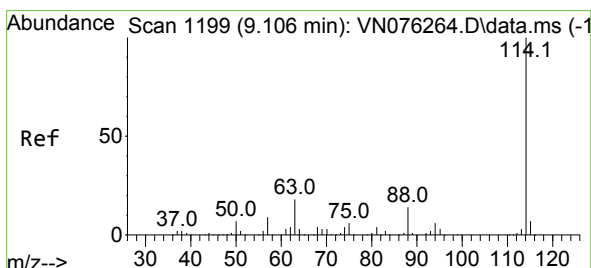
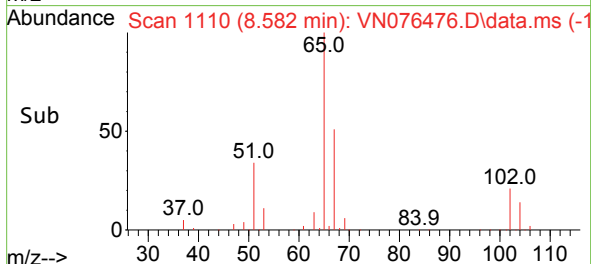
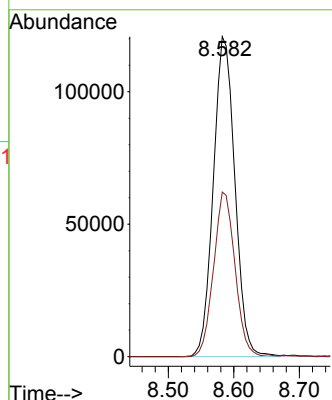
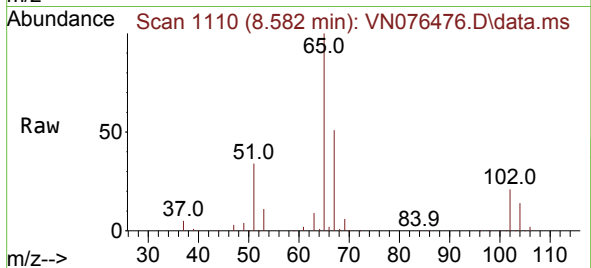
VN0131WBL01

Tgt Ion: 65 Resp: 275711

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076476.D

Acq: 31 Jan 2023 10:14

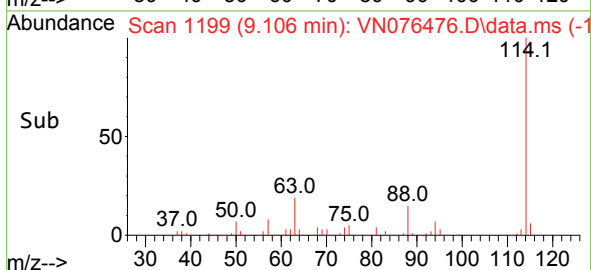
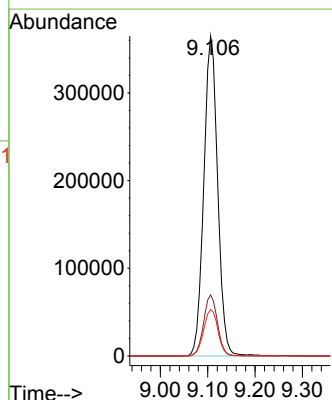
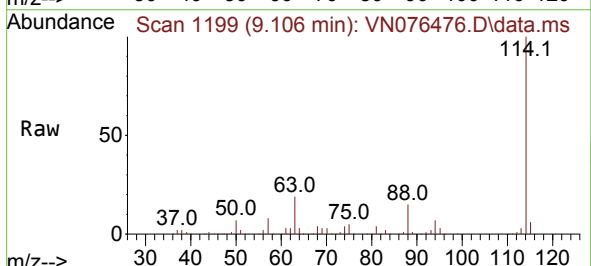
Tgt Ion: 114 Resp: 741585

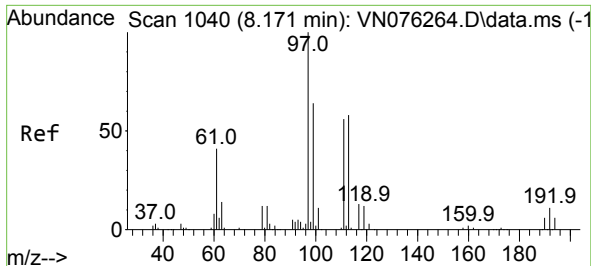
Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.8

88 14.5 0.0 28.0

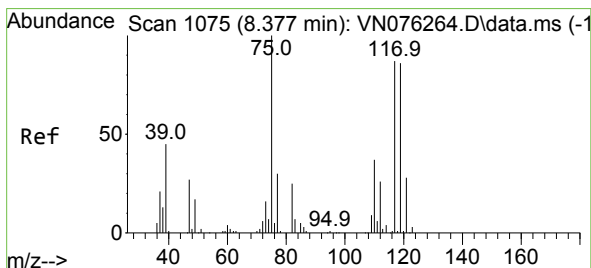
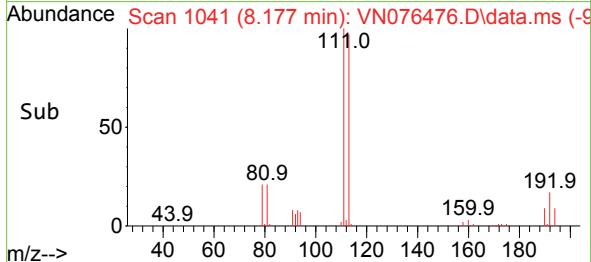
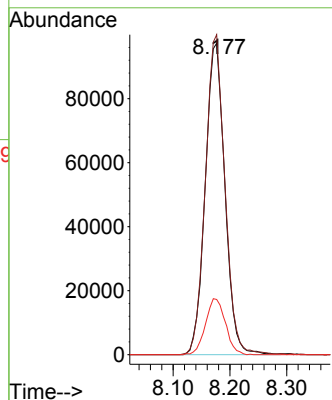
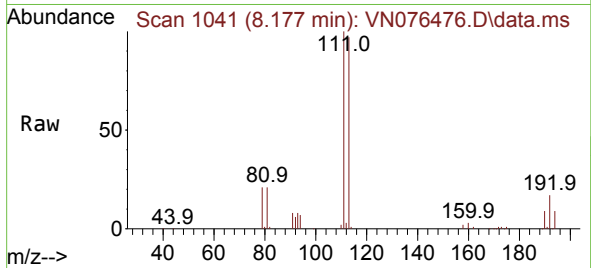




#35
Dibromofluoromethane
Concen: 50.357 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

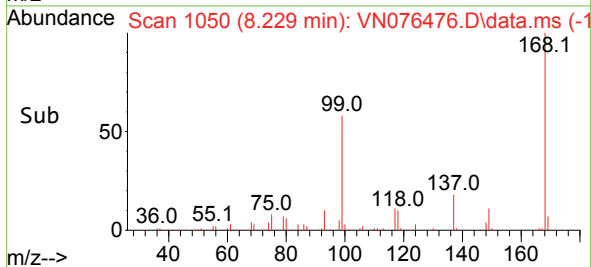
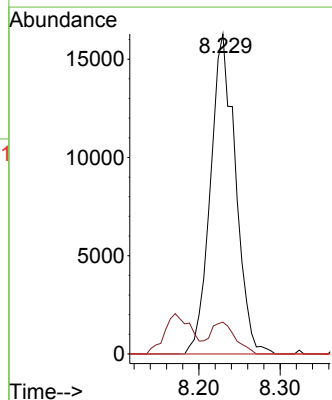
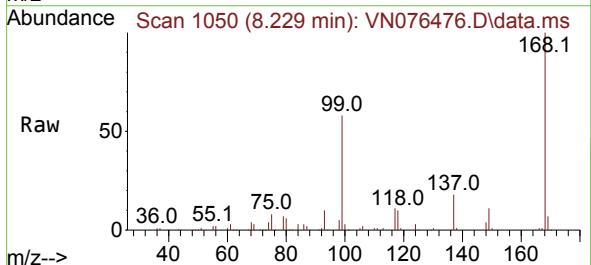
Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

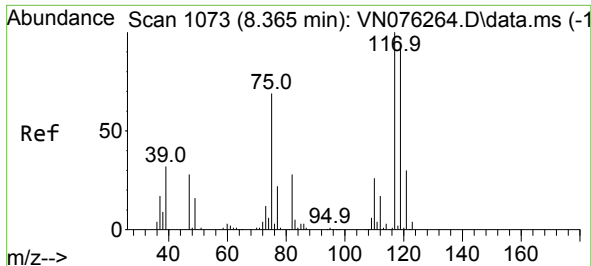
Tgt Ion:113 Resp: 233604
Ion Ratio Lower Upper
113 100
111 102.1 82.7 124.1
192 18.2 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.303 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.148 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

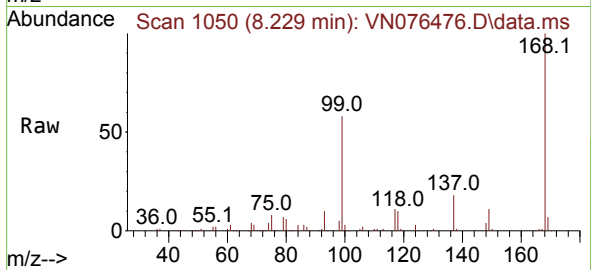
Tgt Ion: 75 Resp: 34956
Ion Ratio Lower Upper
75 100
110 9.6 18.8 56.3#
77 0.0 25.0 37.4#



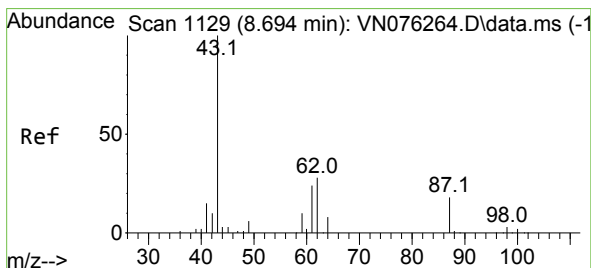
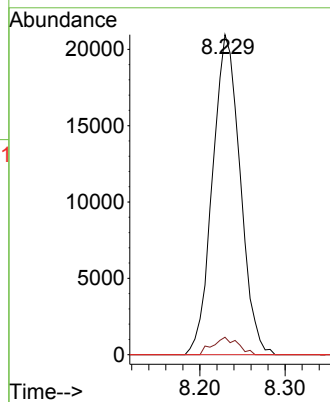
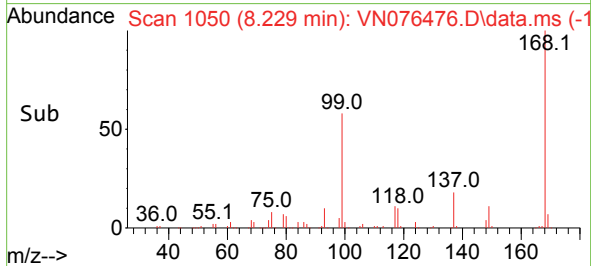


#38
Carbon Tetrachloride
Concen: 6.430 ug/l
RT: 8.229 min Scan# 110
Delta R.T. -0.136 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

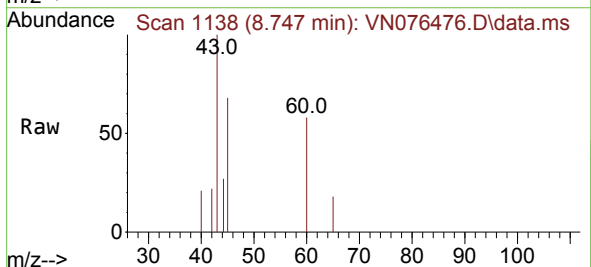
Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01



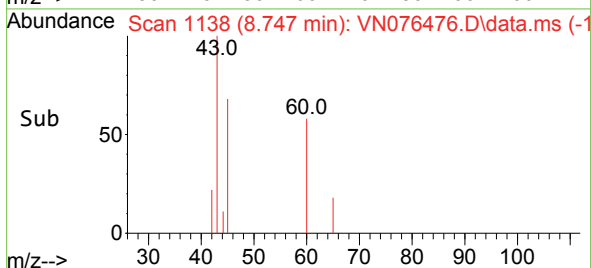
Tgt Ion:117 Resp: 47265
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.0#
121 0.0 24.2 36.2#

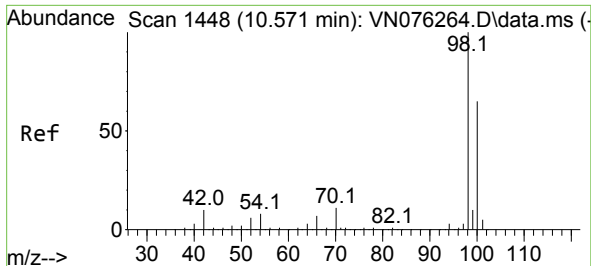


#43
Isopropyl Acetate
Concen: 0.304 ug/l
RT: 8.747 min Scan# 1138
Delta R.T. 0.053 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14



Tgt Ion: 43 Resp: 2615
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 0.0 13.8 20.6#

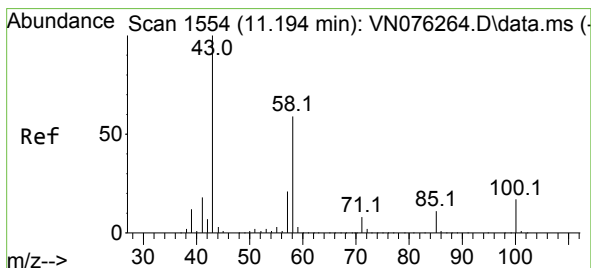
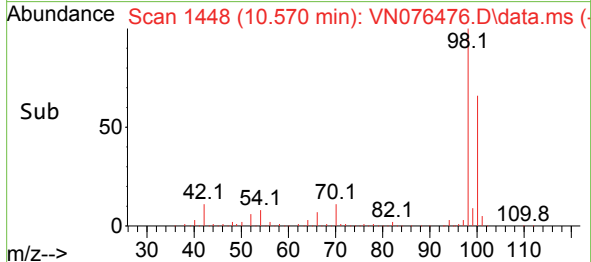
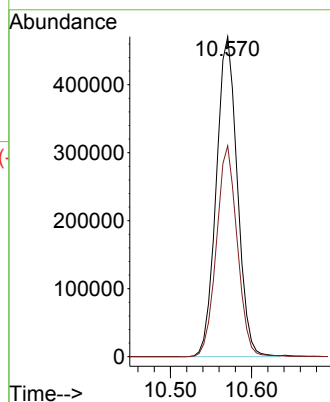
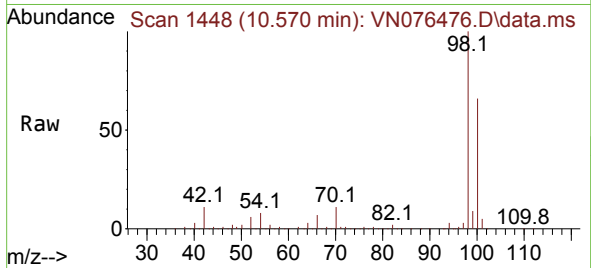




#50
Toluene-d8
Concen: 49.455 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

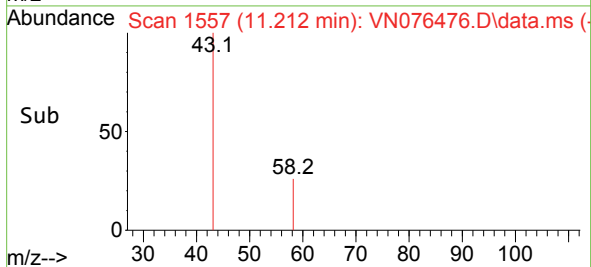
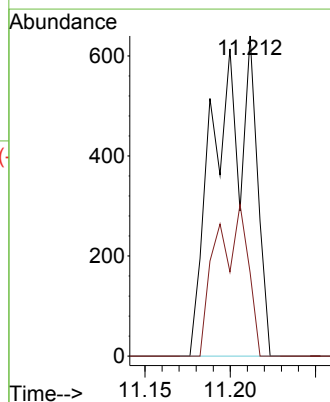
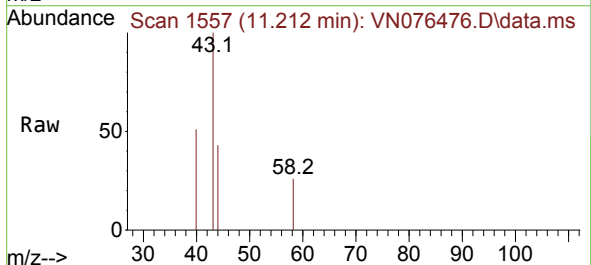
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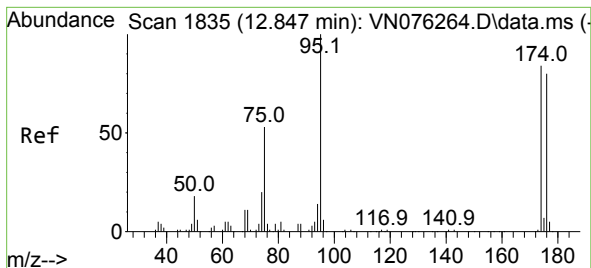
Tgt Ion: 98 Resp: 847260
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#59
2-Hexanone
Concen: 0.278 ug/l
RT: 11.212 min Scan# 1557
Delta R.T. 0.018 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

Tgt Ion: 43 Resp: 1018
Ion Ratio Lower Upper
43 100
58 37.8 30.1 90.3

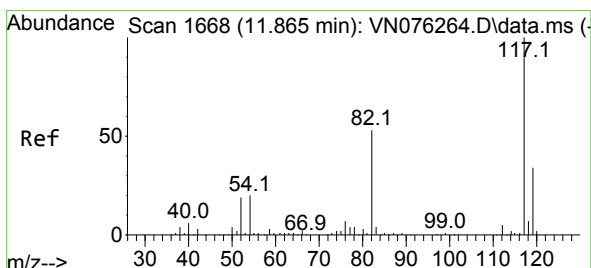
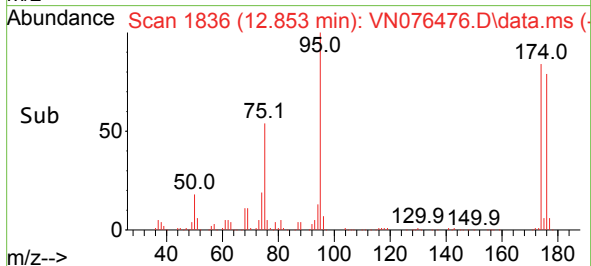
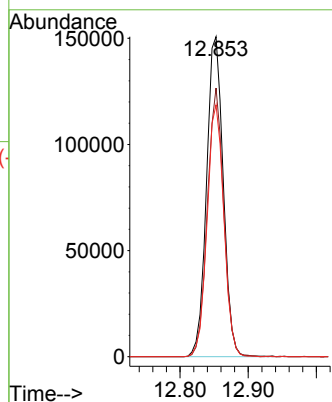
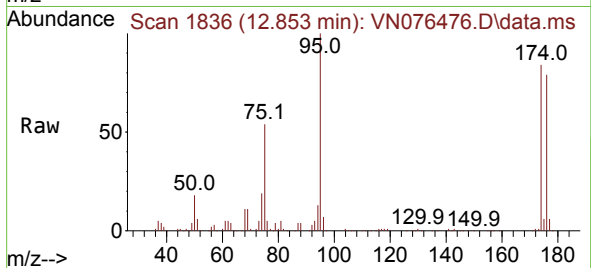




#62
4-Bromofluorobenzene
Concen: 45.891 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

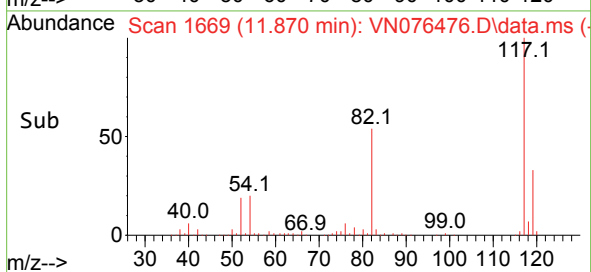
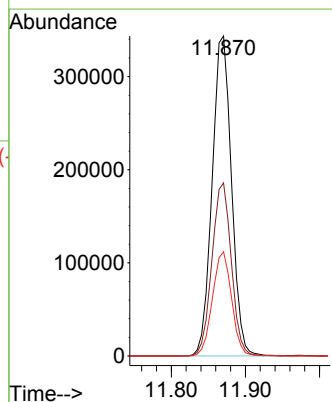
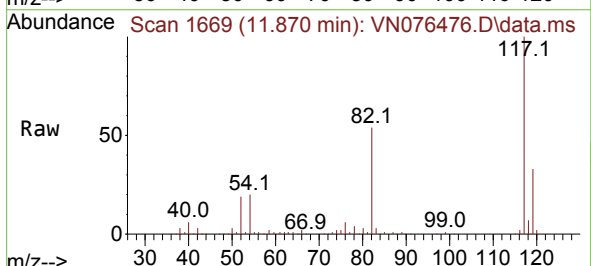
Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

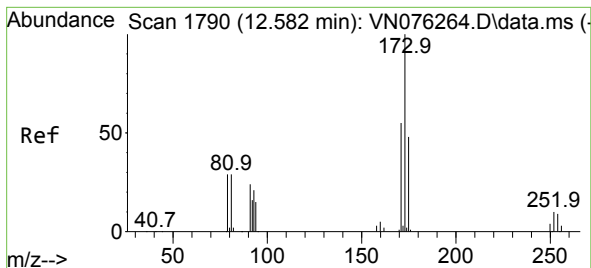
Tgt Ion: 95 Resp: 256658
Ion Ratio Lower Upper
95 100
174 82.2 0.0 174.6
176 78.8 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

Tgt Ion: 117 Resp: 622910
Ion Ratio Lower Upper
117 100
82 54.1 42.2 63.2
119 32.6 26.9 40.3





#71

Bromoform

Concen: 0.484 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076476.D

Acq: 31 Jan 2023 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBL01

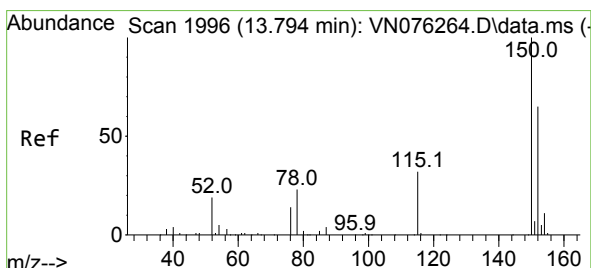
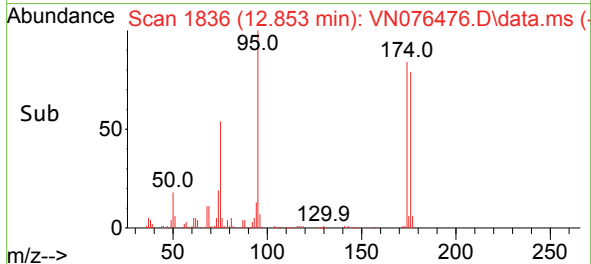
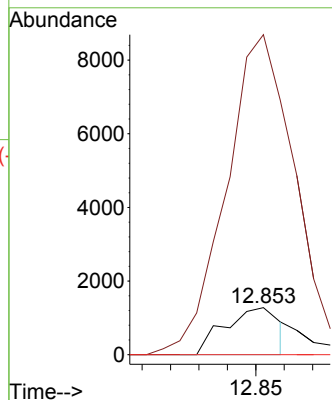
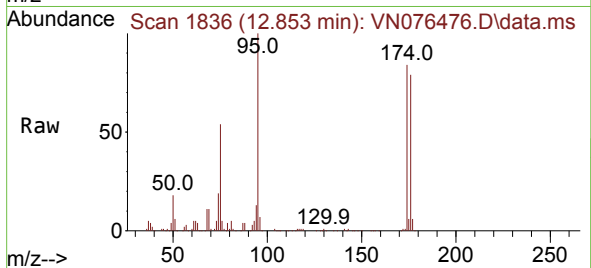
Tgt Ion:173 Resp: 1714

Ion Ratio Lower Upper

173 100

175 684.9 24.1 72.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076476.D

Acq: 31 Jan 2023 10:14

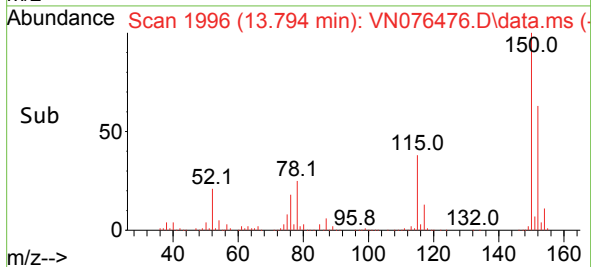
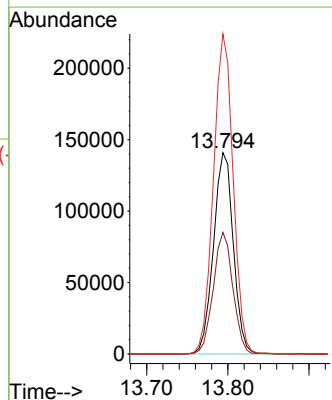
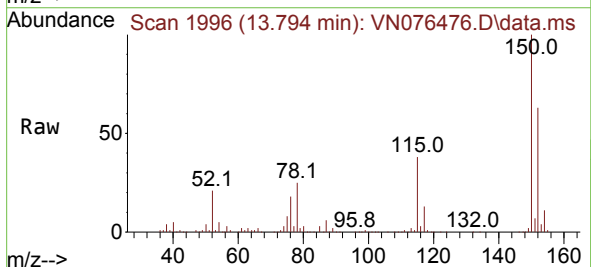
Tgt Ion:152 Resp: 239164

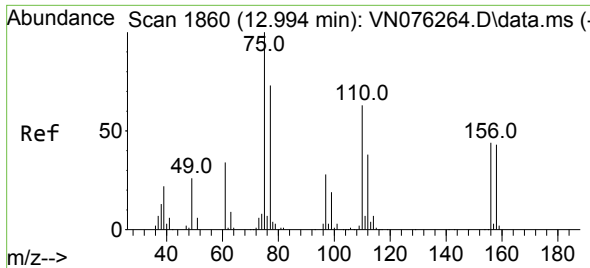
Ion Ratio Lower Upper

152 100

115 59.7 29.6 88.9

150 157.9 0.0 351.4

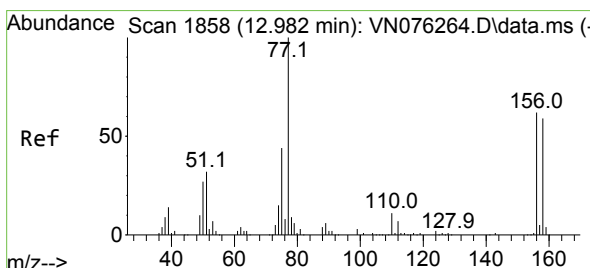
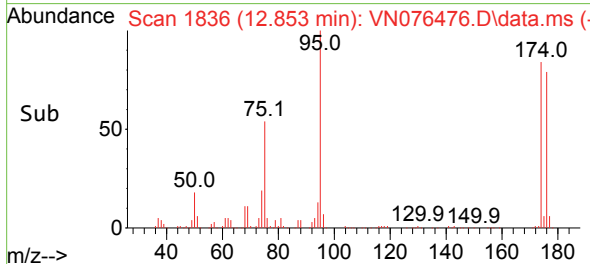
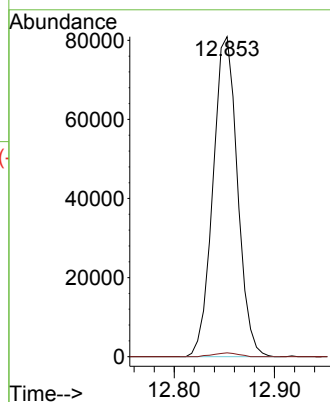
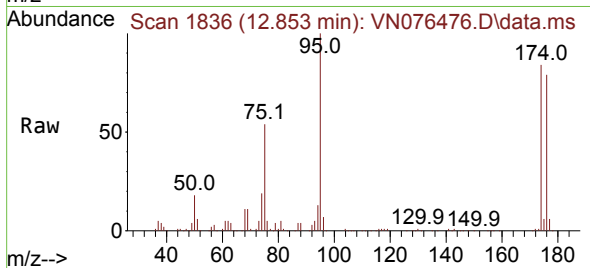




#76
1,2,3-Trichloropropane
Concen: 31.154 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

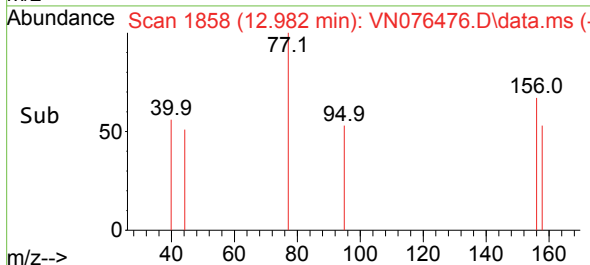
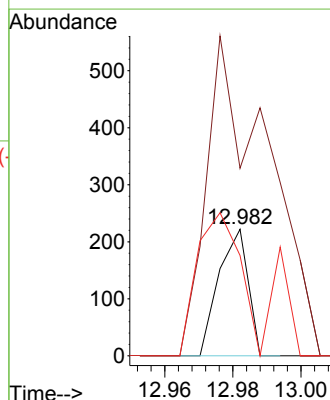
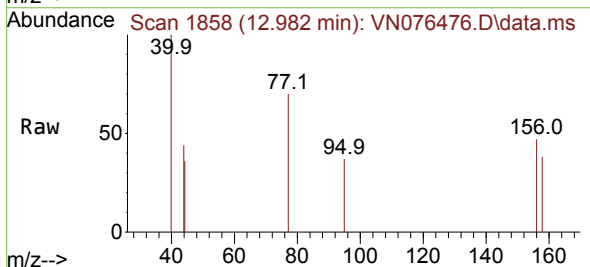
Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

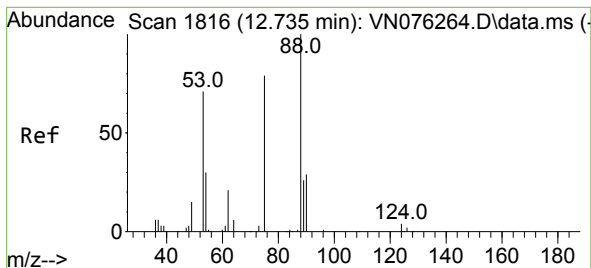
Tgt Ion: 75 Resp: 137293
Ion Ratio Lower Upper
75 100
77 1.2 75.2 225.6#



#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

Tgt Ion: 156 Resp: 132
Ion Ratio Lower Upper
156 100
77 531.8 93.4 280.2#
158 218.9 48.4 145.2#

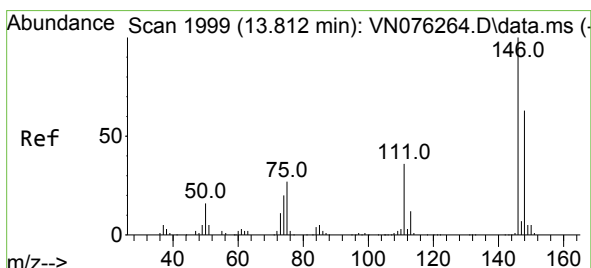
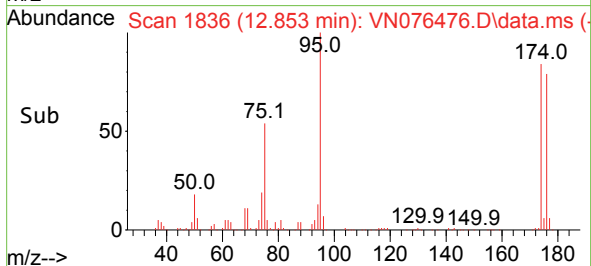
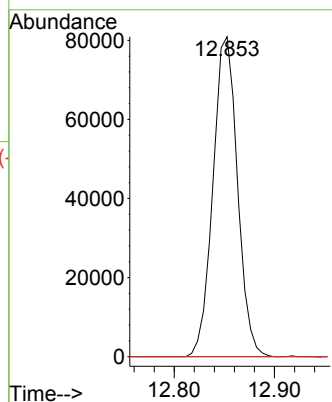
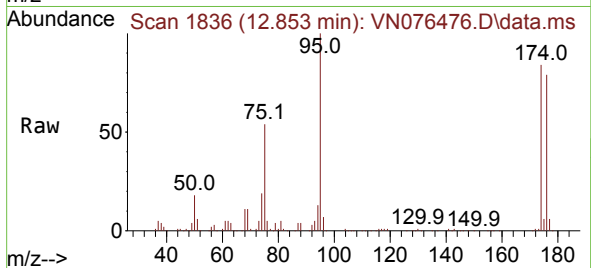




#81
trans-1,4-Dichloro-2-butene
Concen: 95.513 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

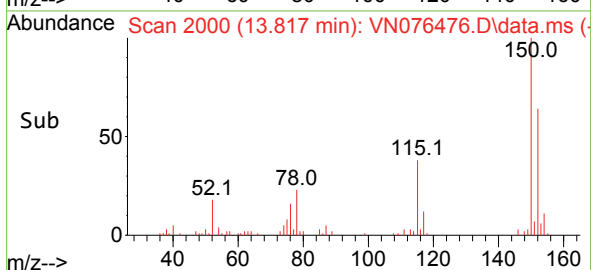
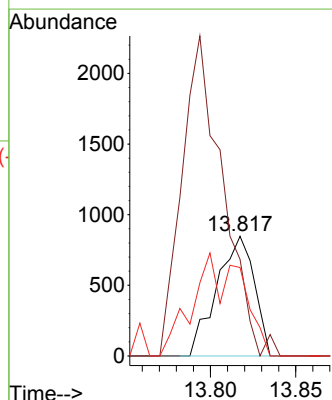
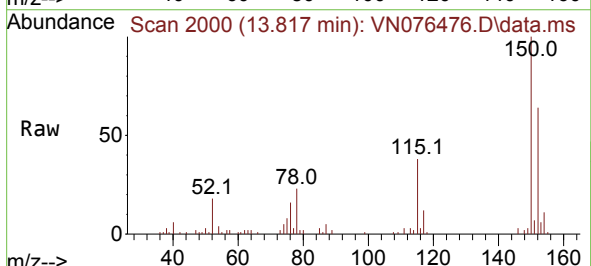
Instrument :
MSVOA_N
ClientSampleId :
VN0131WBL01

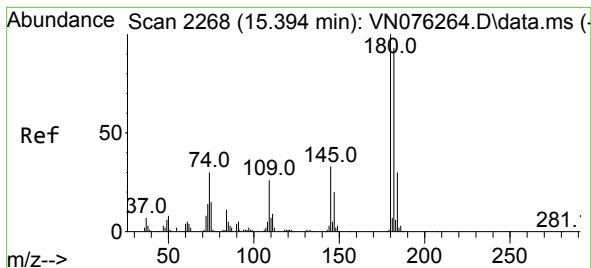
Tgt Ion: 75 Resp: 137293
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#88
1,4-Dichlorobenzene
Concen: 0.257 ug/l
RT: 13.817 min Scan# 2000
Delta R.T. 0.005 min
Lab File: VN076476.D
Acq: 31 Jan 2023 10:14

Tgt Ion:146 Resp: 1297
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.5#
148 0.0 31.9 95.9#





#93

1,2,4-Trichlorobenzene

Concen: 1.597 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076476.D

Acq: 31 Jan 2023 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBL01

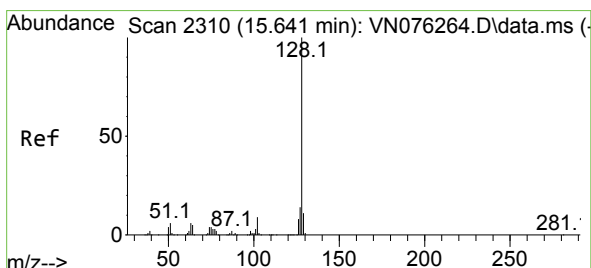
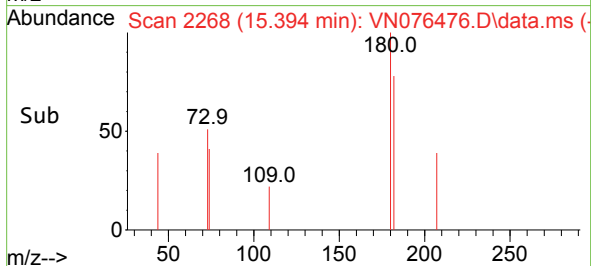
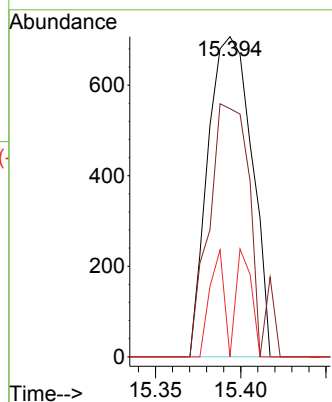
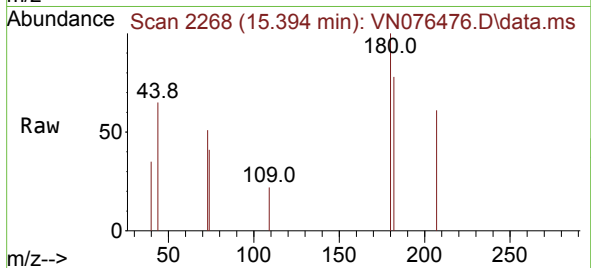
Tgt Ion:180 Resp: 1259

Ion Ratio Lower Upper

180 100

182 0.0 47.0 141.2#

145 11.8 15.2 45.5#



#95

Naphthalene

Concen: 2.241 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076476.D

Acq: 31 Jan 2023 10:14

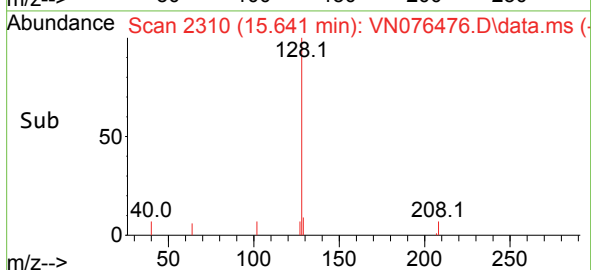
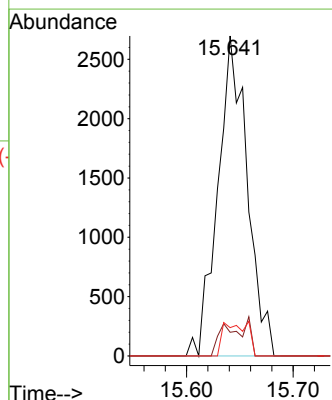
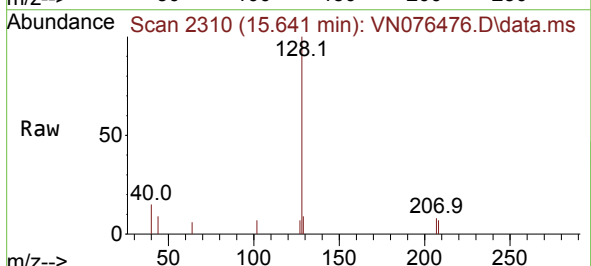
Tgt Ion:128 Resp: 5181

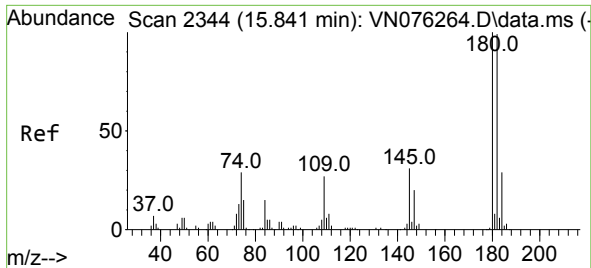
Ion Ratio Lower Upper

128 100

127 9.1 10.3 15.5#

129 8.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.448 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076476.D
 Acq: 31 Jan 2023 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131WBL01

Tgt Ion:180 Resp: 1204
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.5 142.5
 145 22.9 15.9 47.6

