

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077732.D
 Acq On : 18 May 2023 12:12
 Operator : JC\MD
 Sample : VN0518WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBL01

Quant Time: May 29 08:48:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

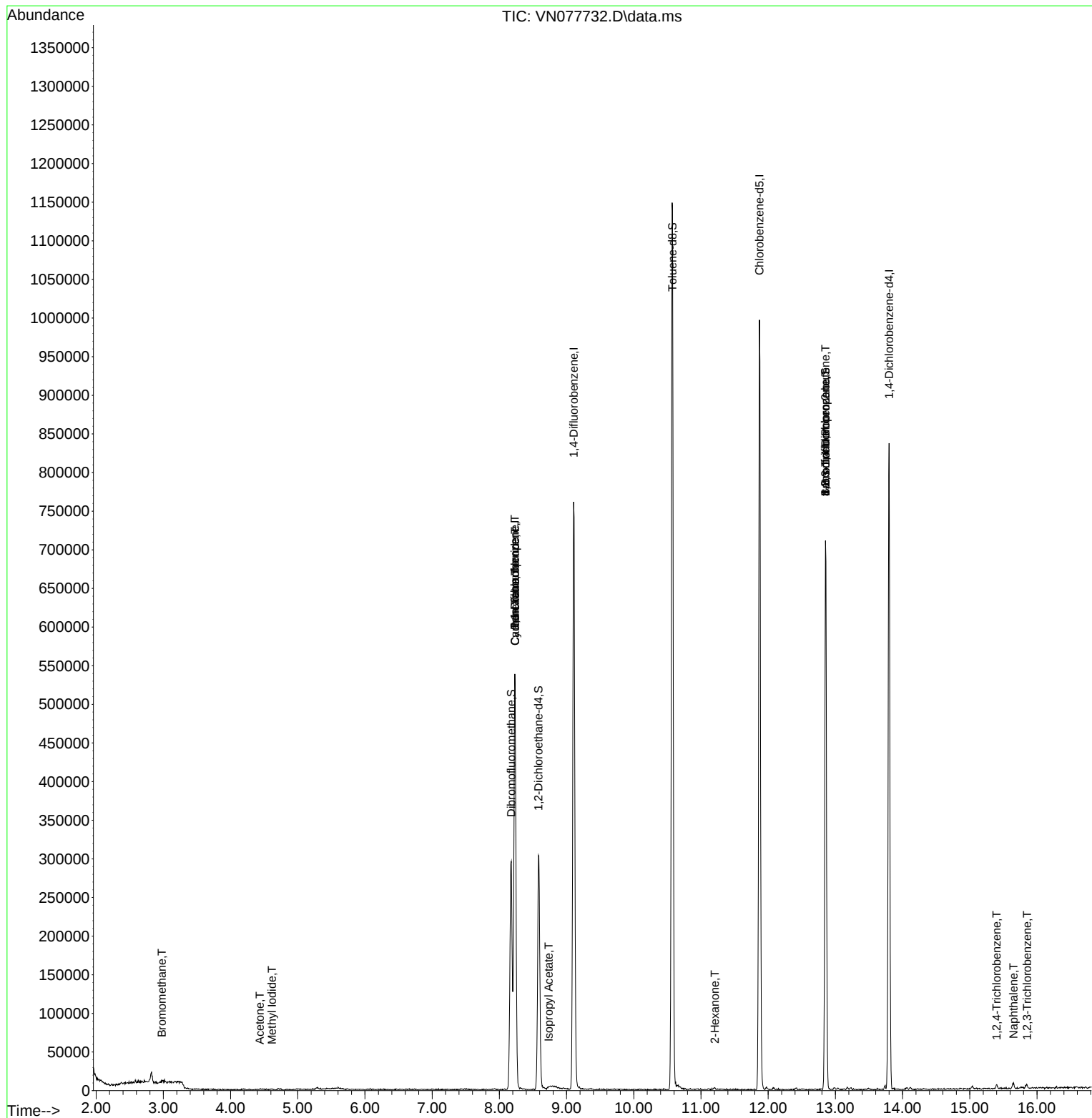
Internal Standards						
1) Pentafluorobenzene	8.229	168	369239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	680688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	590523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	220796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	253437	45.873	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.740%
35) Dibromofluoromethane	8.177	113	215650	48.584	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.160%
50) Toluene-d8	10.576	98	832942	48.753	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.500%
62) 4-Bromofluorobenzene	12.853	95	256239	42.466	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1359	Below Cal		89
5) Bromomethane	2.977	94	2137	0.545 ug/l	#	60
10) Methyl Iodide	4.618	142	1629	0.334 ug/l	#	90
13) Acrolein	4.206	56	857	Below Cal	#	81
16) Acetone	4.436	43	674	0.388 ug/l	#	40
20) Methylene Chloride	5.300	84	1848	Below Cal	#	79
31) Cyclohexane	8.235	56	8062	1.074 ug/l	#	5
36) 1,1-Dichloropropene	8.229	75	33916	5.224 ug/l	#	48
38) Carbon Tetrachloride	8.235	117	41143	6.276 ug/l	#	15
43) Isopropyl Acetate	8.735	43	2482	0.263 ug/l	#	49
59) 2-Hexanone	11.206	43	1710	0.411 ug/l		62
71) Bromoform	12.853	173	1027	0.349 ug/l	#	28
76) 1,2,3-Trichloropropane	12.853	75	139615	25.249 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	139615	80.709 ug/l	#	15
93) 1,2,4-Trichlorobenzene	15.400	180	1690	0.385 ug/l	#	83
95) Naphthalene	15.653	128	7168	0.475 ug/l		97
96) 1,2,3-Trichlorobenzene	15.853	180	2093	0.487 ug/l		82

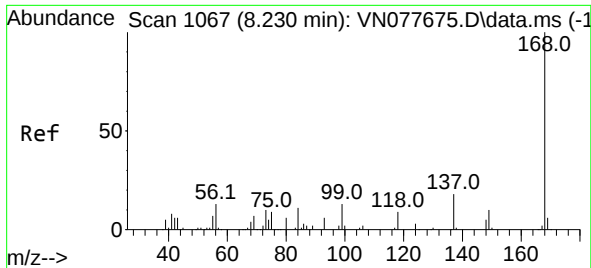
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
Data File : VN077732.D
Acq On : 18 May 2023 12:12
Operator : JC\MD
Sample : VN0518WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBL01

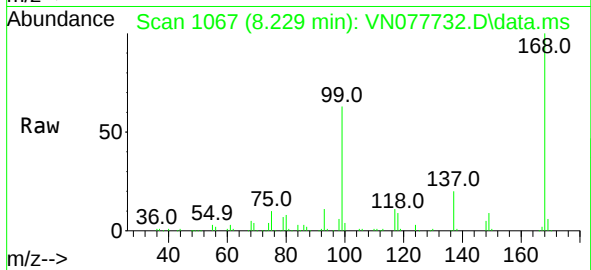
Quant Time: May 29 08:48:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration



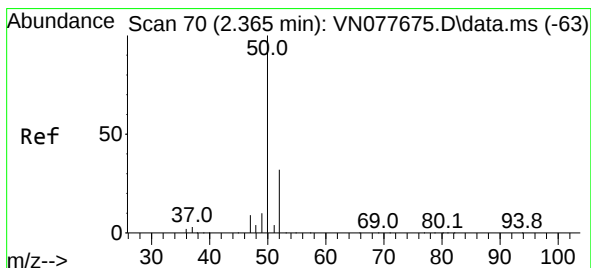
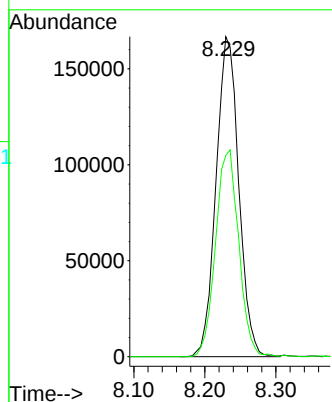
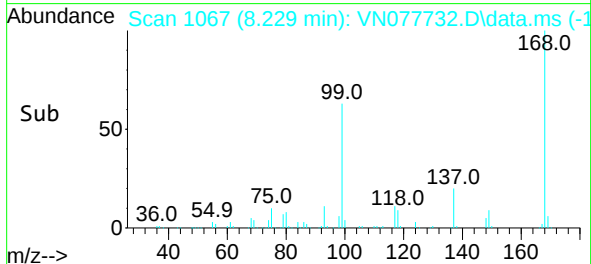


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077732.D
Acq: 18 May 2023 12:12

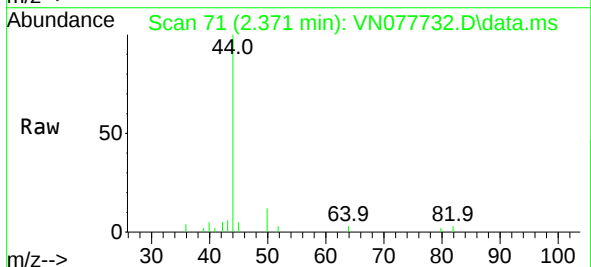
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBL01



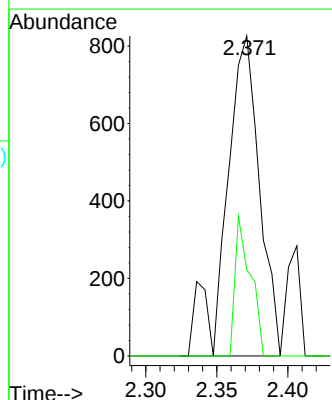
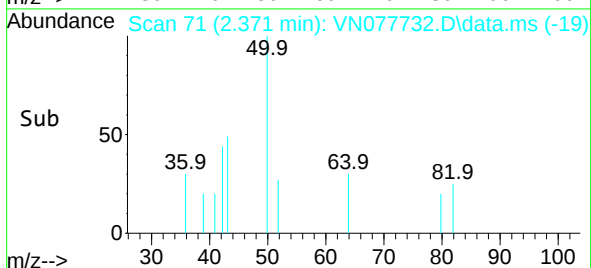
Tgt Ion:168 Resp: 369239
Ion Ratio Lower Upper
168 100
99 62.9 53.0 79.6

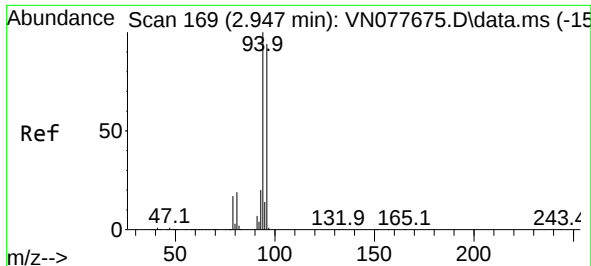


#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077732.D
Acq: 18 May 2023 12:12



Tgt Ion: 50 Resp: 1359
Ion Ratio Lower Upper
50 100
52 27.0 26.5 39.7

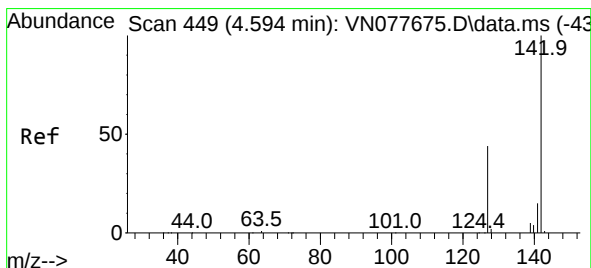
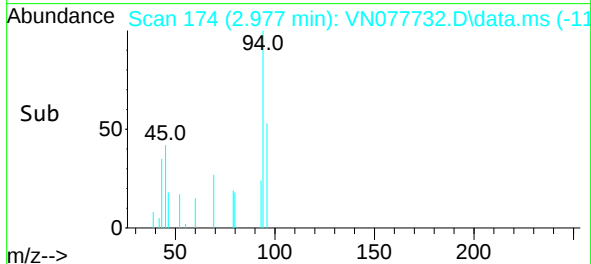
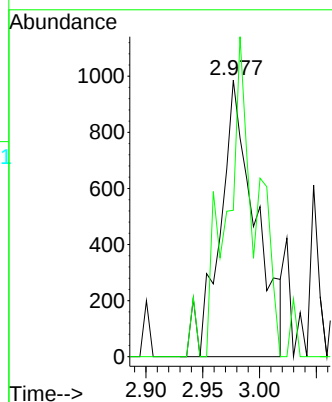
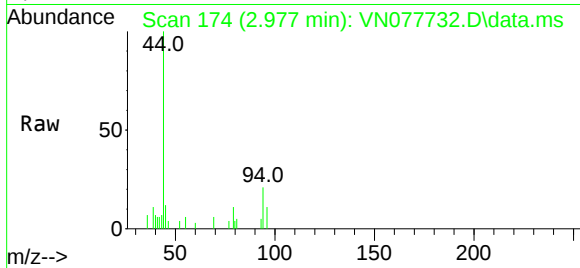




#5
Bromomethane
Concen: 0.545 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN077732.D
Acq: 18 May 2023 12:12

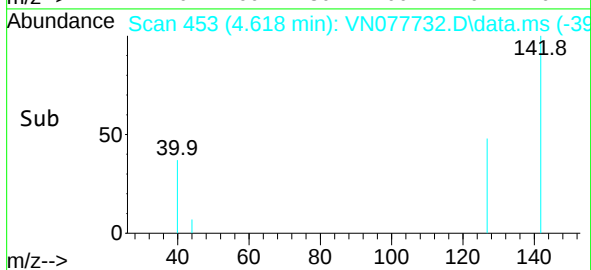
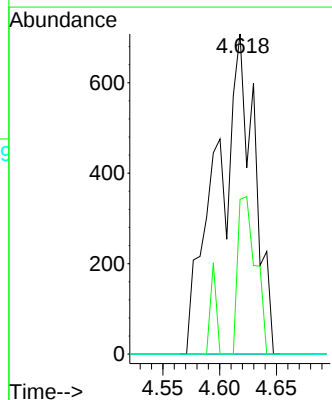
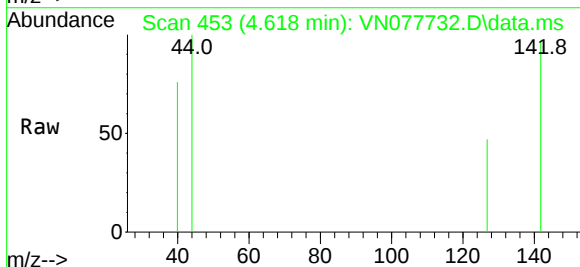
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBL01

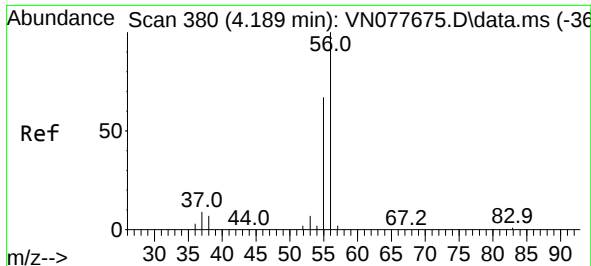
Tgt Ion: 94 Resp: 2137
Ion Ratio Lower Upper
94 100
96 52.9 73.1 109.7#



#10
Methyl Iodide
Concen: 0.334 ug/l
RT: 4.618 min Scan# 453
Delta R.T. 0.024 min
Lab File: VN077732.D
Acq: 18 May 2023 12:12

Tgt Ion:142 Resp: 1629
Ion Ratio Lower Upper
142 100
127 48.3 37.6 56.4
141 0.0 11.4 17.0#

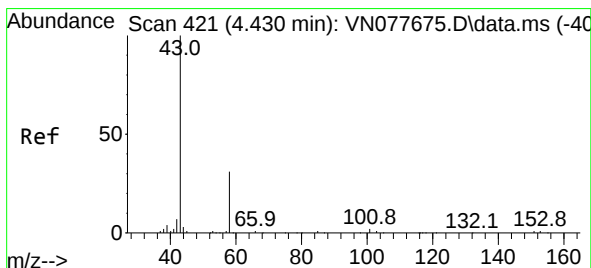
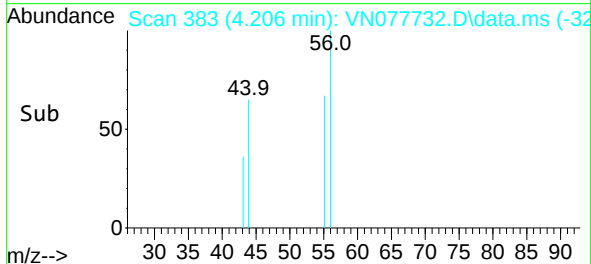
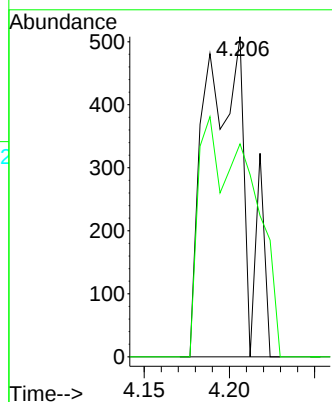
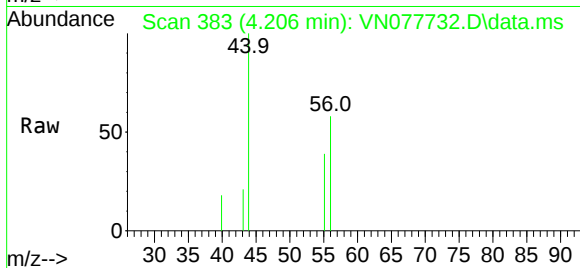




#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 380
Delta R.T. 0.017 min
Lab File: VN077732.D
Acq: 18 May 2023 12:12

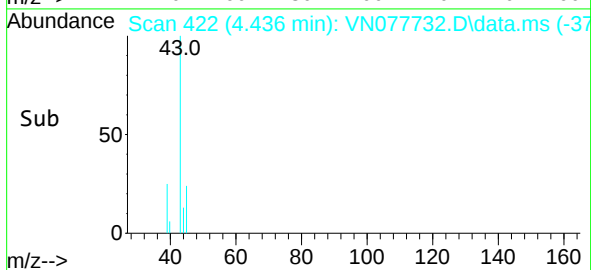
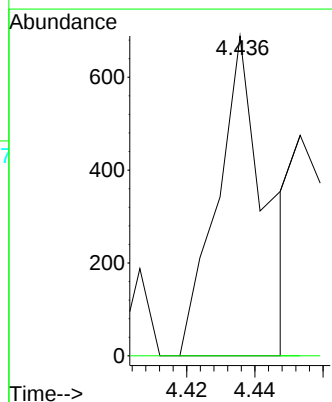
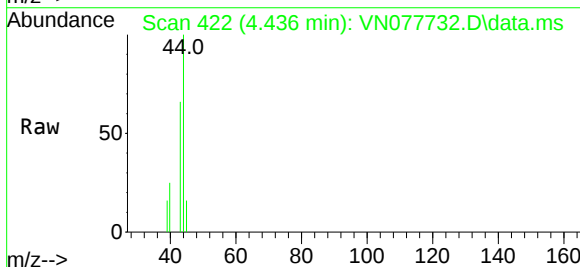
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBL01

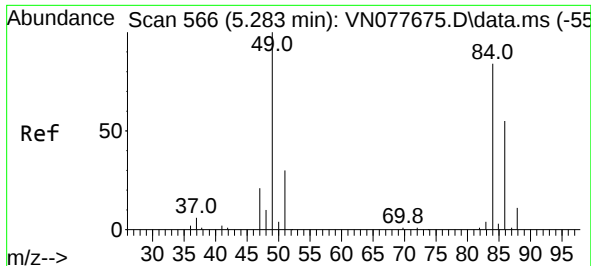
Tgt Ion: 56 Resp: 857
Ion Ratio Lower Upper
56 100
55 52.4 54.5 81.7#



#16
Acetone
Concen: 0.388 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN077732.D
Acq: 18 May 2023 12:12

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

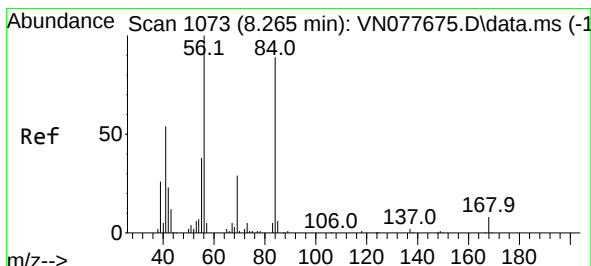
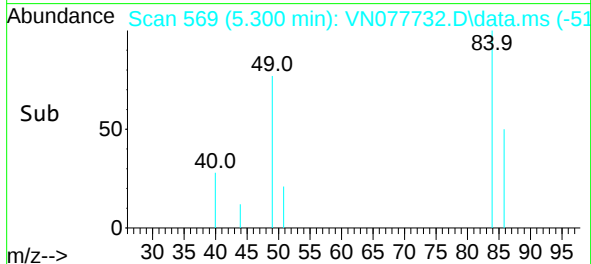
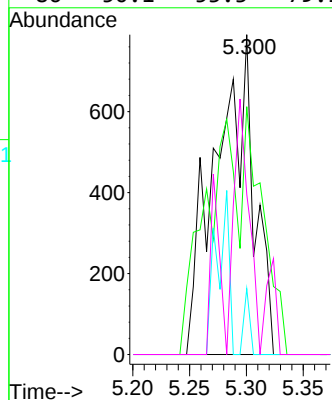
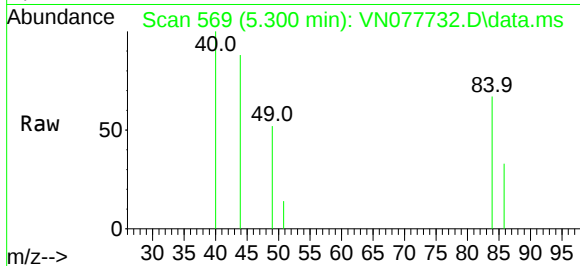




#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN077732.D
Acq: 18 May 2023 12:12

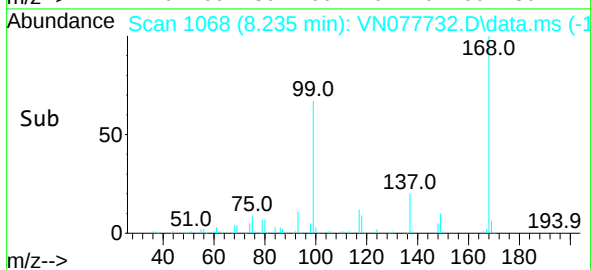
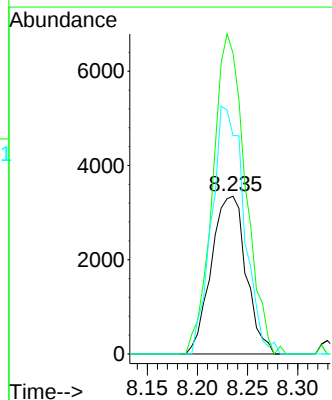
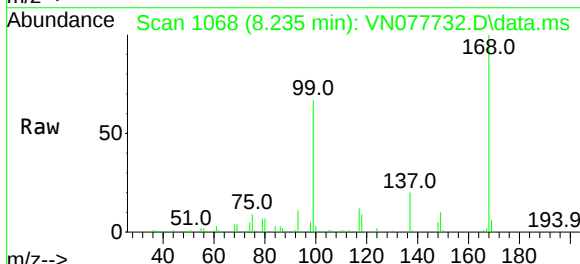
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBL01

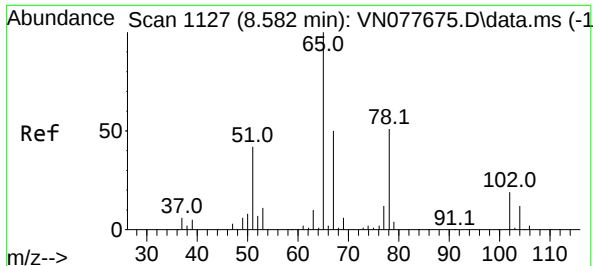
Tgt Ion:	84	Resp:	1848
Ion	Ratio	Lower	Upper
84	100		
49	77.5	79.7	119.5#
51	20.6	25.2	37.8#
86	50.1	53.3	79.9#



#31
Cyclohexane
Concen: 1.074 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077732.D
Acq: 18 May 2023 12:12

Tgt Ion:	56	Resp:	8062
Ion	Ratio	Lower	Upper
56	100		
69	190.7	26.8	40.2#
84	138.5	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 45.873 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN077732.D

Acq: 18 May 2023 12:12

Instrument :

MSVOA_N

ClientSampleId :

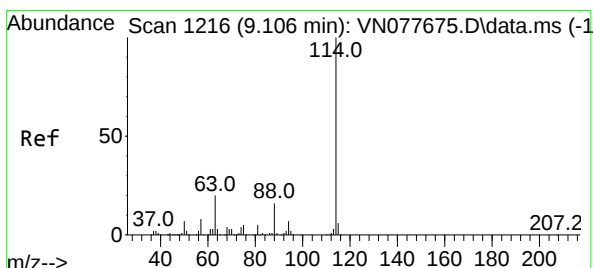
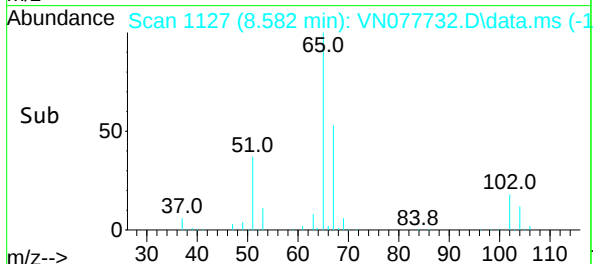
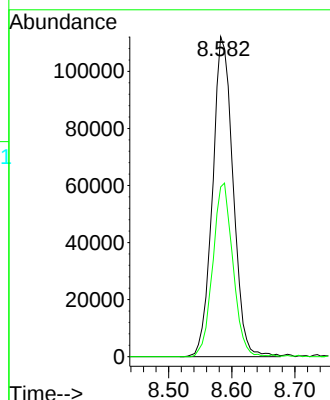
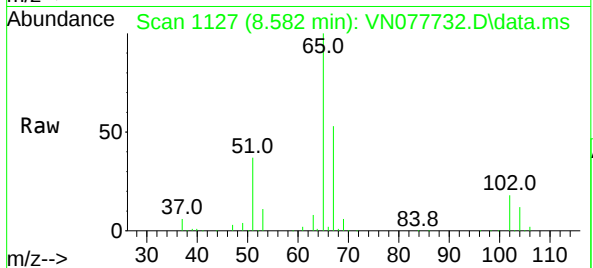
VN0518WBL01

Tgt Ion: 65 Resp: 253437

Ion Ratio Lower Upper

65 100

67 53.0 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: VN077732.D

Acq: 18 May 2023 12:12

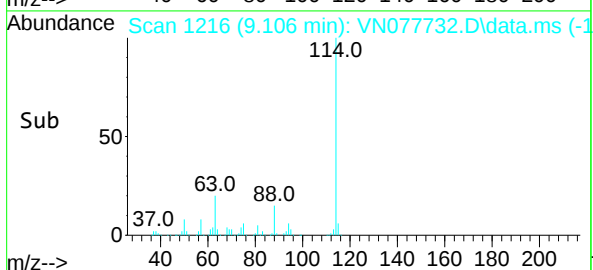
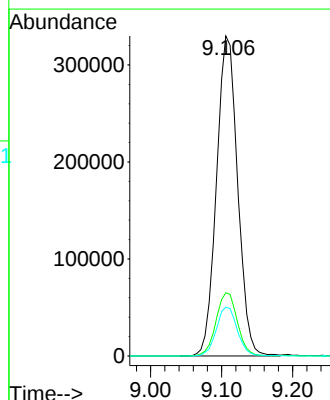
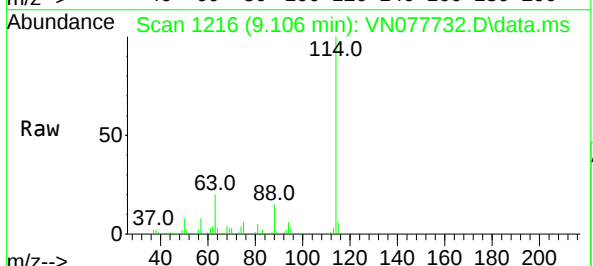
Tgt Ion: 114 Resp: 680688

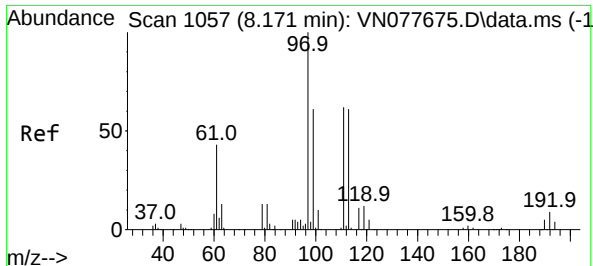
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.584 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077732.D

Acq: 18 May 2023 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBL01

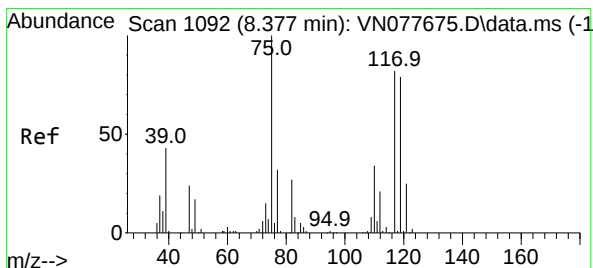
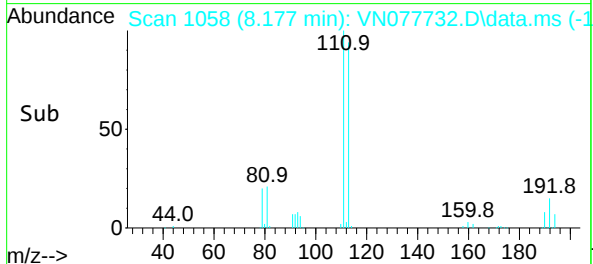
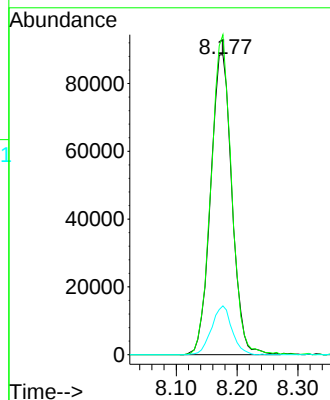
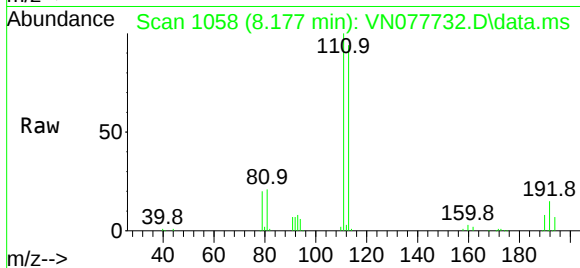
Tgt Ion:113 Resp: 215650

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 15.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.224 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN077732.D

Acq: 18 May 2023 12:12

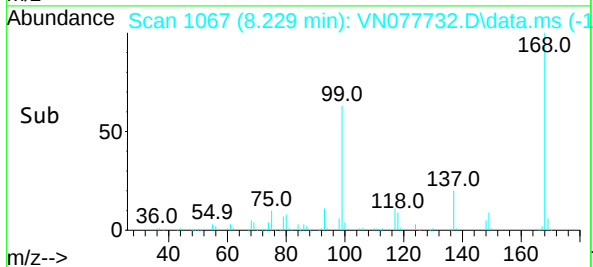
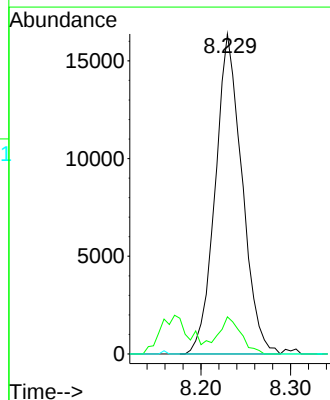
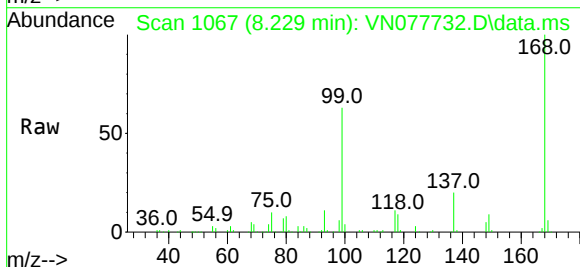
Tgt Ion: 75 Resp: 33916

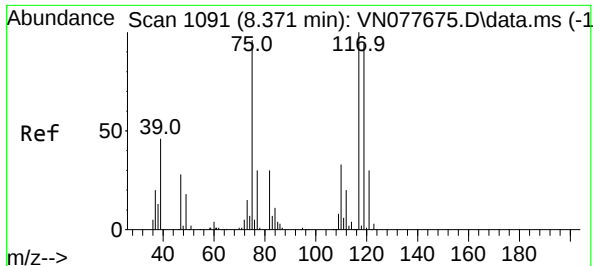
Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

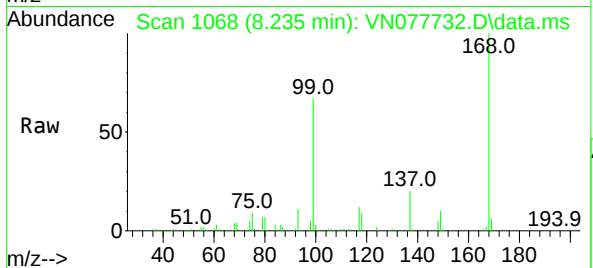
77 0.0 25.0 37.4#



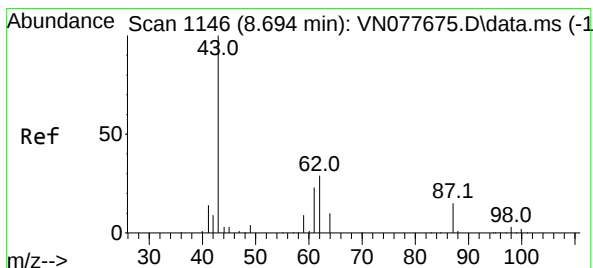
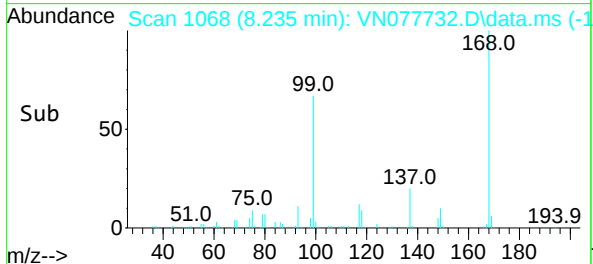
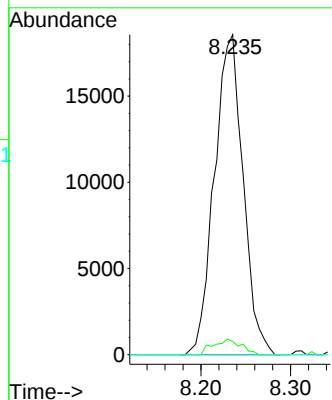


#38
Carbon Tetrachloride
Concen: 6.276 ug/l
RT: 8.235 min Scan# 1107
Delta R.T. -0.136 min
Lab File: VN077732.D
Acq: 18 May 2023 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBL01

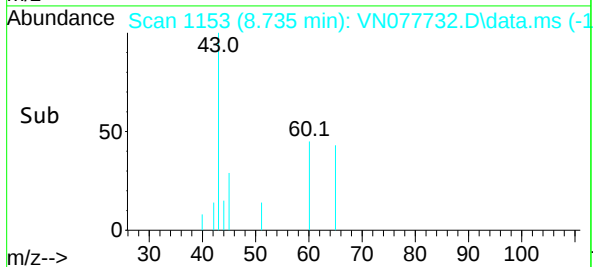
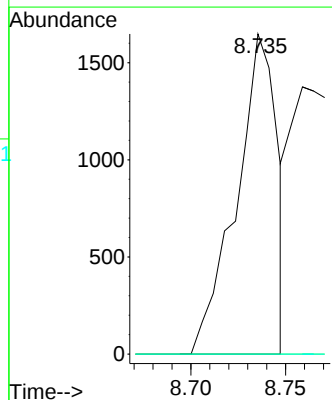
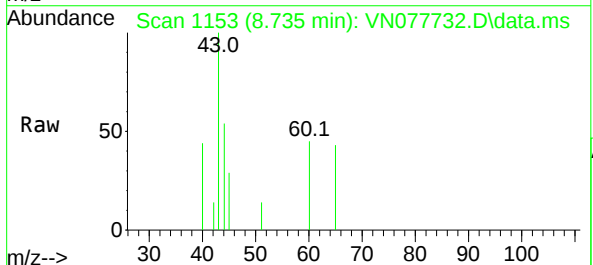


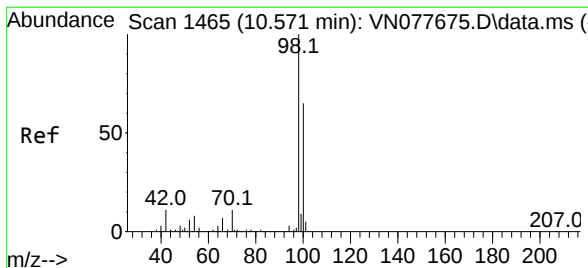
Tgt Ion:117 Resp: 41143
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.263 ug/l
RT: 8.735 min Scan# 1153
Delta R.T. 0.041 min
Lab File: VN077732.D
Acq: 18 May 2023 12:12

Tgt Ion: 43 Resp: 2482
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#50

Toluene-d8

Concen: 48.753 ug/l

RT: 10.576 min Scan# 1465

Delta R.T. 0.005 min

Lab File: VN077732.D

Acq: 18 May 2023 12:12

Instrument :

MSVOA_N

ClientSampleId :

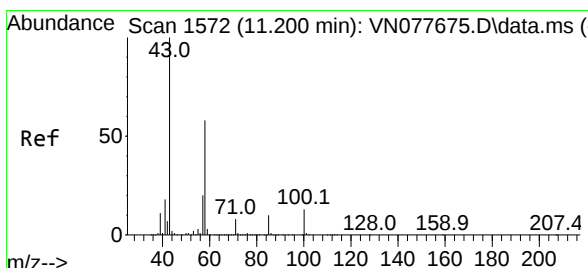
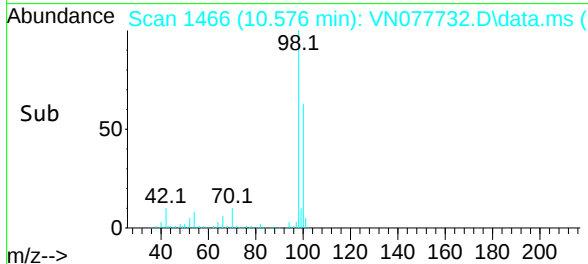
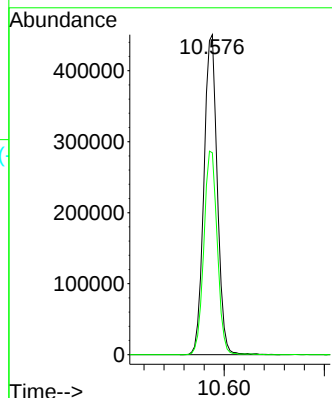
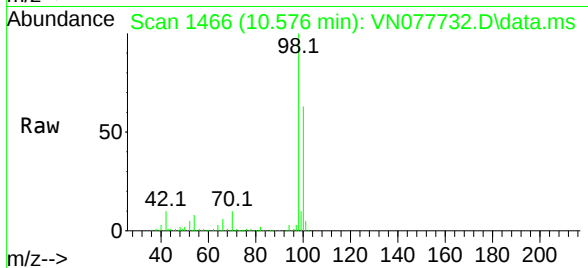
VN0518WBL01

Tgt Ion: 98 Resp: 832942

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0



#59

2-Hexanone

Concen: 0.411 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN077732.D

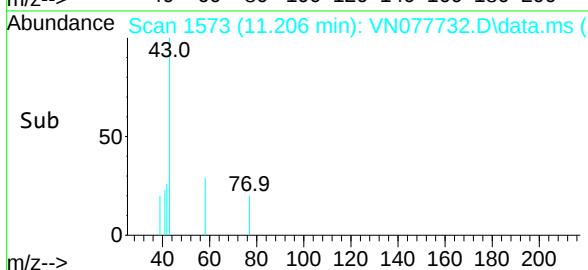
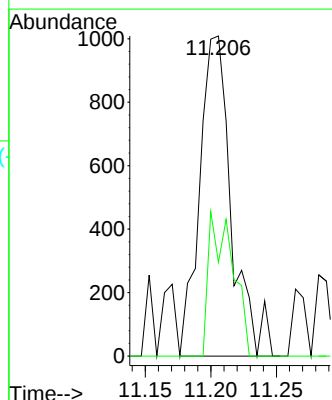
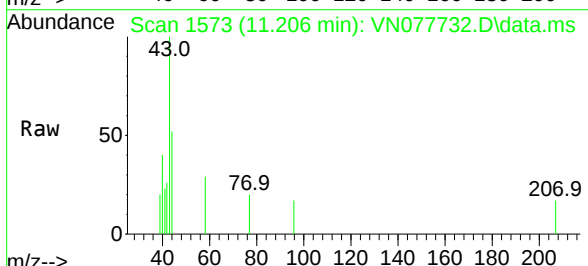
Acq: 18 May 2023 12:12

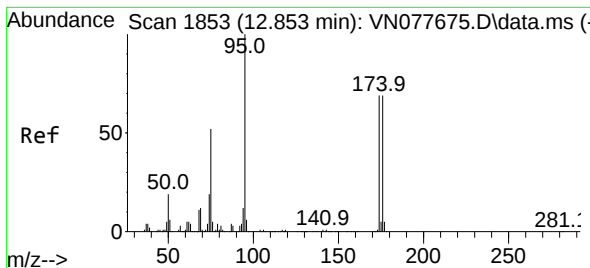
Tgt Ion: 43 Resp: 1710

Ion Ratio Lower Upper

43 100

58 33.9 31.7 95.1

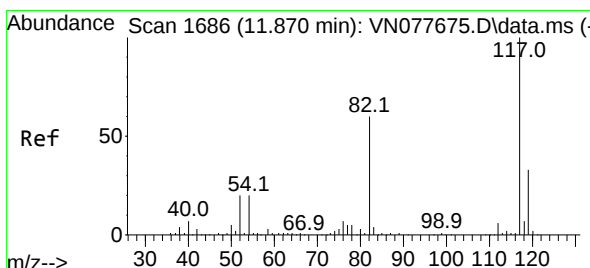
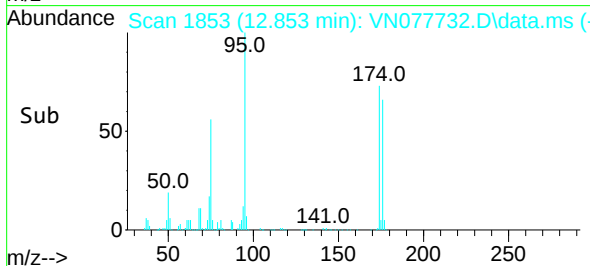
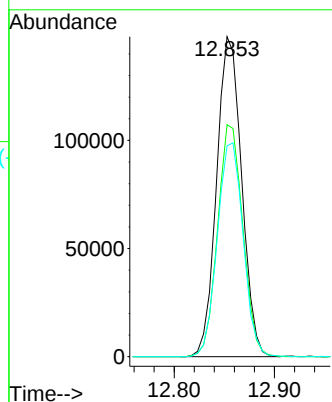
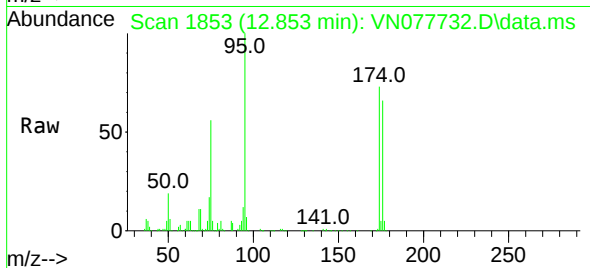




#62
4-Bromofluorobenzene
Concen: 42.466 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077732.D
Acq: 18 May 2023 12:12

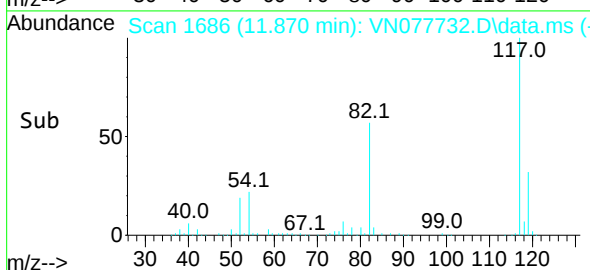
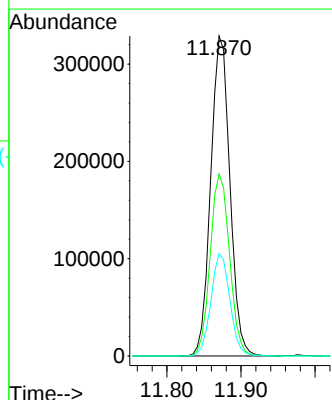
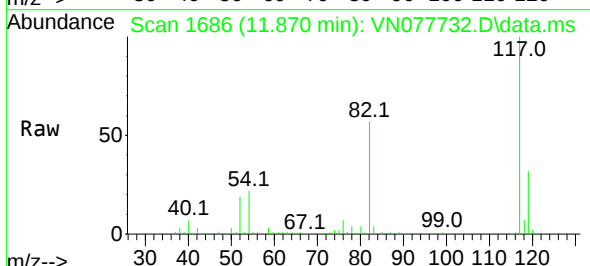
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBL01

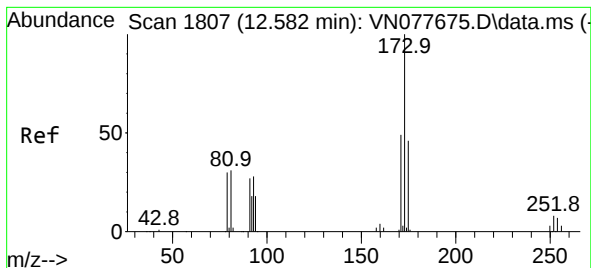
Tgt Ion: 95 Resp: 256239
Ion Ratio Lower Upper
95 100
174 73.2 0.0 143.8
176 68.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077732.D
Acq: 18 May 2023 12:12

Tgt Ion: 117 Resp: 590523
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 32.0 25.6 38.4





#71

Bromoform

Concen: 0.349 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN077732.D

Acq: 18 May 2023 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBL01

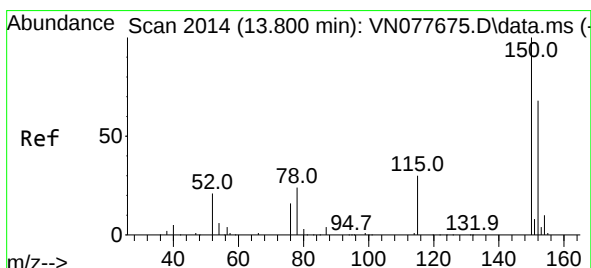
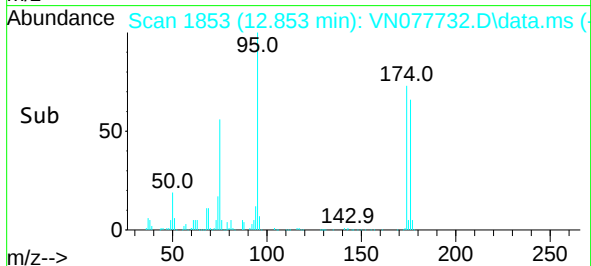
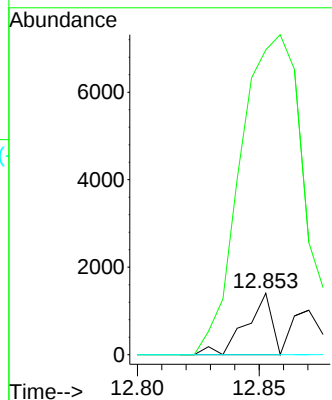
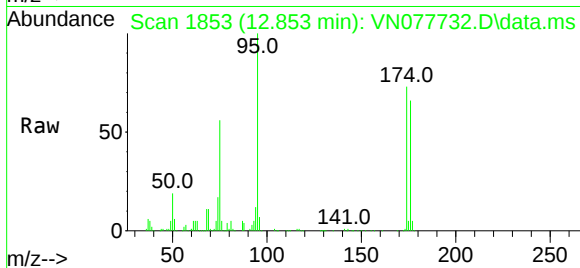
Tgt Ion:173 Resp: 1027

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077732.D

Acq: 18 May 2023 12:12

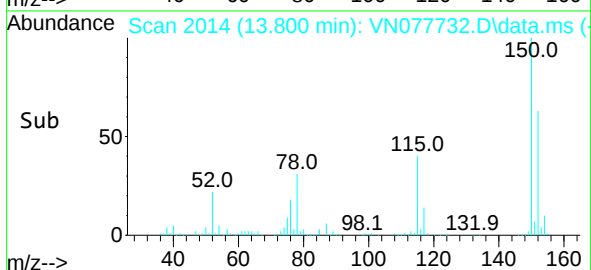
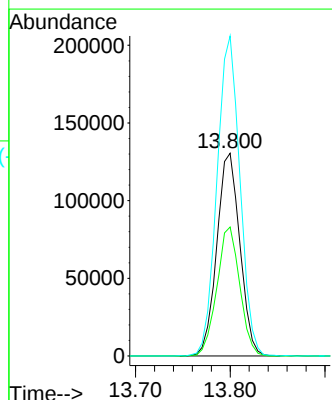
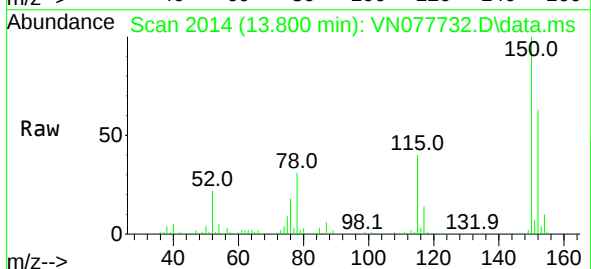
Tgt Ion:152 Resp: 220796

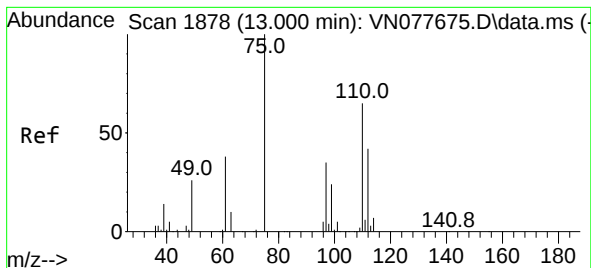
Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

150 156.8 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 25.249 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN077732.D

Acq: 18 May 2023 12:12

Instrument :

MSVOA_N

ClientSampleId :

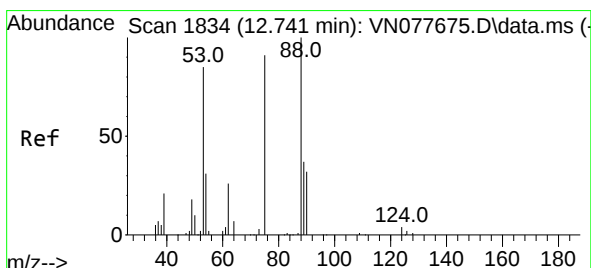
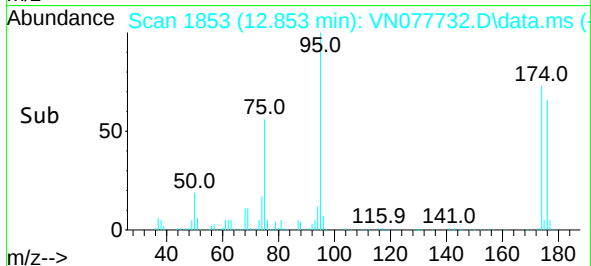
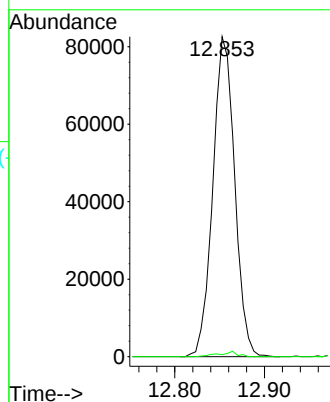
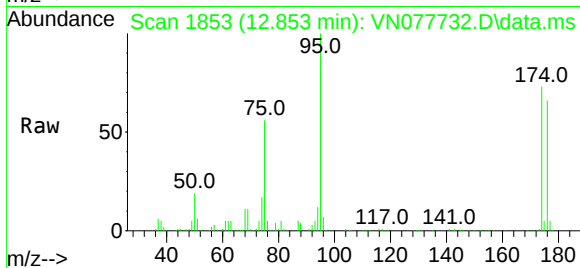
VN0518WBL01

Tgt Ion: 75 Resp: 139615

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.709 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN077732.D

Acq: 18 May 2023 12:12

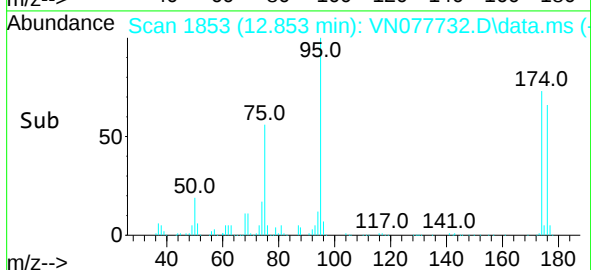
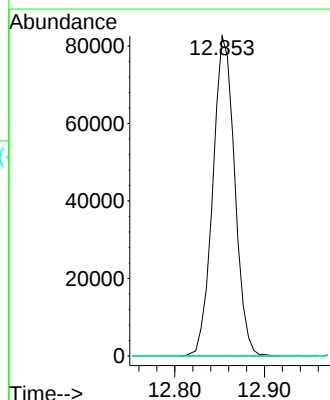
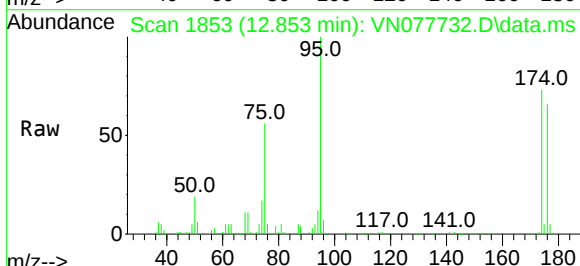
Tgt Ion: 75 Resp: 139615

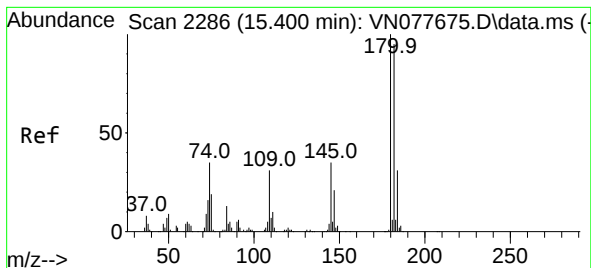
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.385 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077732.D

Acq: 18 May 2023 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBL01

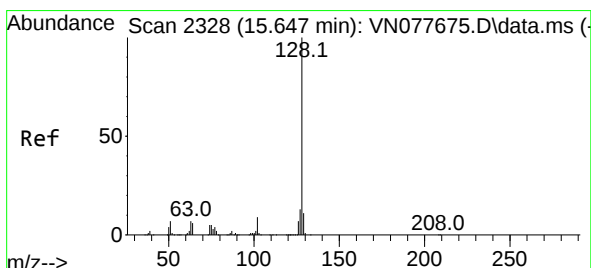
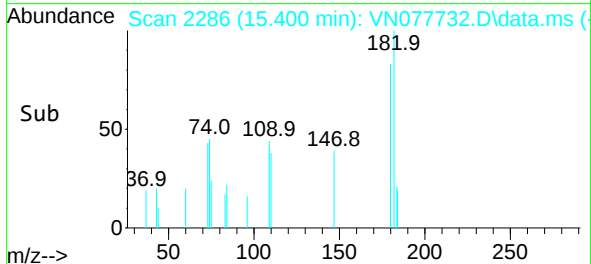
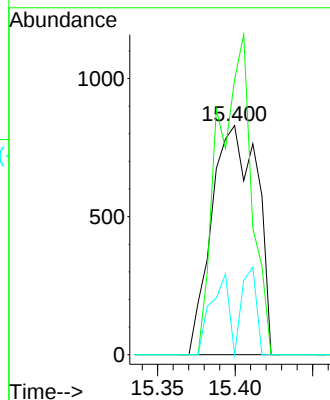
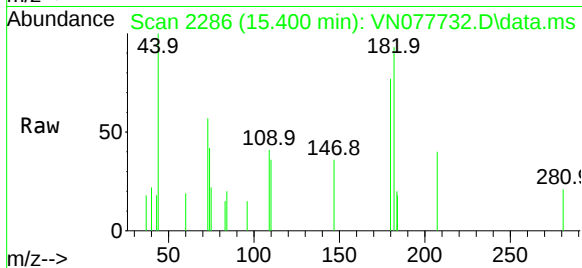
Tgt Ion:180 Resp: 1690

Ion Ratio Lower Upper

180 100

182 101.7 46.1 138.2

145 12.2 16.6 49.8#



#95

Naphthalene

Concen: 0.475 ug/l

RT: 15.653 min Scan# 2329

Delta R.T. 0.006 min

Lab File: VN077732.D

Acq: 18 May 2023 12:12

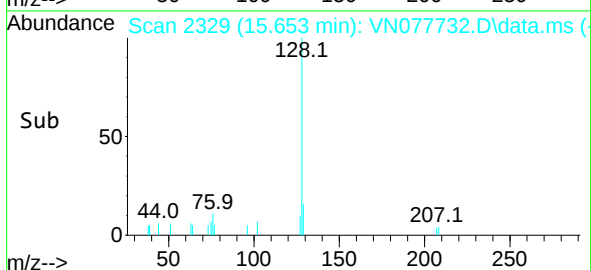
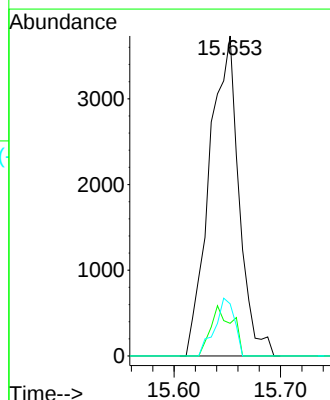
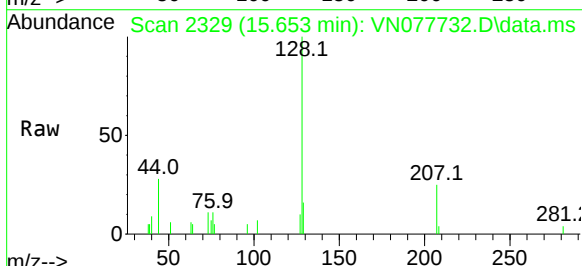
Tgt Ion:128 Resp: 7168

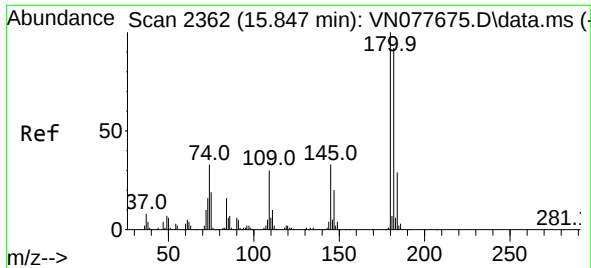
Ion Ratio Lower Upper

128 100

127 11.5 10.0 15.0

129 12.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.487 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN077732.D
 Acq: 18 May 2023 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBL01

Tgt Ion:	180	Resp:	2093
Ion	Ratio	Lower	Upper
180	100		
182	71.1	46.2	138.6
145	31.2	17.5	52.6

