

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040824\
 Data File : VN081667.D
 Acq On : 08 Apr 2024 10:57
 Operator : JC\MD
 Sample : VN0408MBL01
 Misc : 5.00g/10.00mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0408MBL01

Quant Time: Apr 09 01:52:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

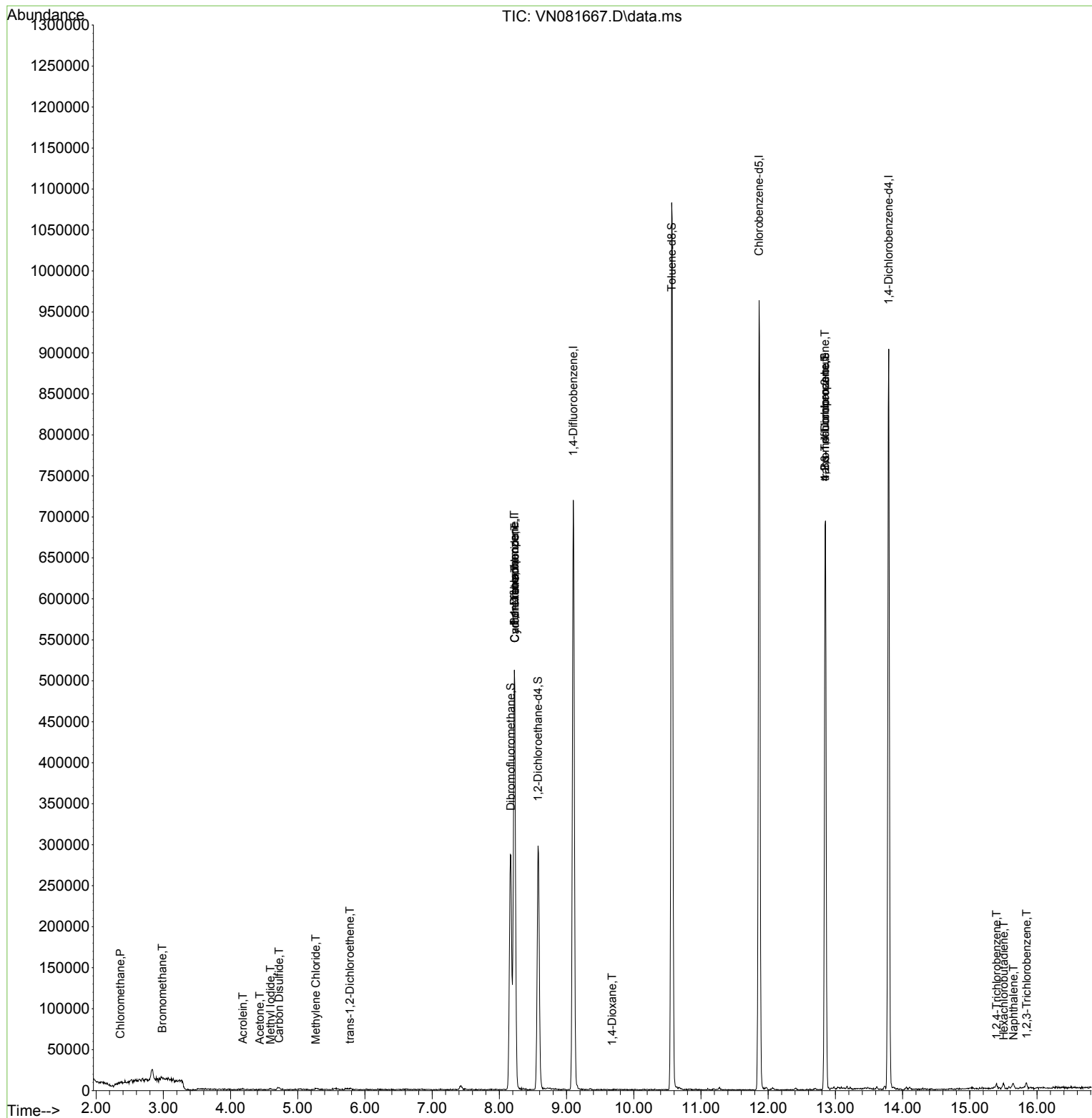
Internal Standards						
1) Pentafluorobenzene	8.224	168	371035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	654846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	584429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	240170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	241213	50.978	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.960%			
35) Dibromofluoromethane	8.171	113	214335	51.863	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.720%			
50) Toluene-d8	10.565	98	765979	51.273	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.540%			
62) 4-Bromofluorobenzene	12.847	95	246796	46.883	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 93.760%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1462	0.294	ug/l #	76
5) Bromomethane	2.983	94	2932	0.743	ug/l	90
10) Methyl Iodide	4.594	142	2503	0.532	ug/l #	80
13) Acrolein	4.183	56	721	0.974	ug/l	94
16) Acetone	4.436	43	426	0.279	ug/l	89
17) Carbon Disulfide	4.724	76	3084	0.245	ug/l #	78
20) Methylene Chloride	5.271	84	1143	0.228	ug/l #	52
21) trans-1,2-Dichloroethene	5.777	96	1114	0.228	ug/l #	55
31) Cyclohexane	8.229	56	8020	1.042	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	29289	4.211	ug/l #	45
38) Carbon Tetrachloride	8.229	117	41046	5.387	ug/l #	15
49) 1,4-Dioxane	9.676	88	59	0.539	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	125216	21.796	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	125216	58.899	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.400	180	1740	0.336	ug/l	76
94) Hexachlorobutadiene	15.505	225	1556	0.686	ug/l	77
95) Naphthalene	15.653	128	6823	0.407	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.847	180	2573	0.495	ug/l	95

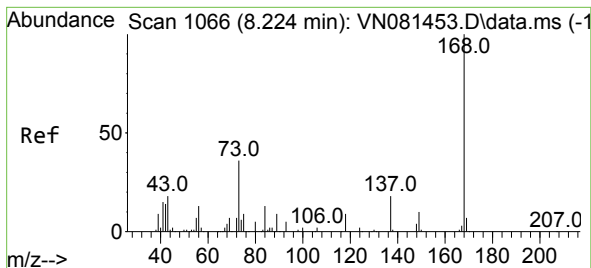
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040824\
Data File : VN081667.D
Acq On : 08 Apr 2024 10:57
Operator : JC\MD
Sample : VN0408MBL01
Misc : 5.00g/10.00mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0408MBL01

Quant Time: Apr 09 01:52:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081667.D

Acq: 08 Apr 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

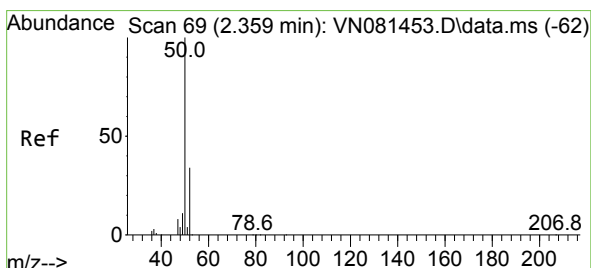
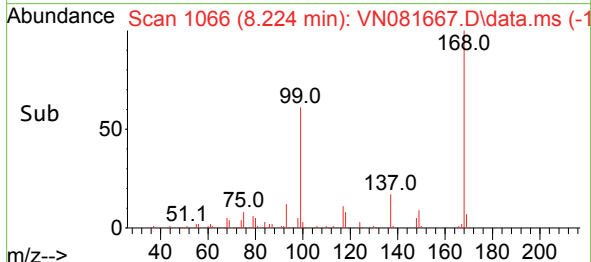
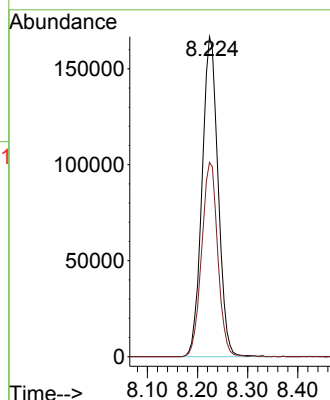
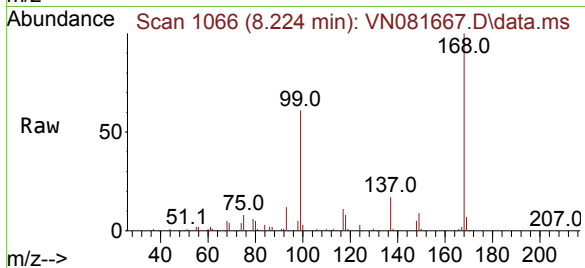
VN0408MBL01

Tgt Ion:168 Resp: 371035

Ion Ratio Lower Upper

168 100

99 60.7 59.9 89.9



#3

Chloromethane

Concen: 0.294 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN081667.D

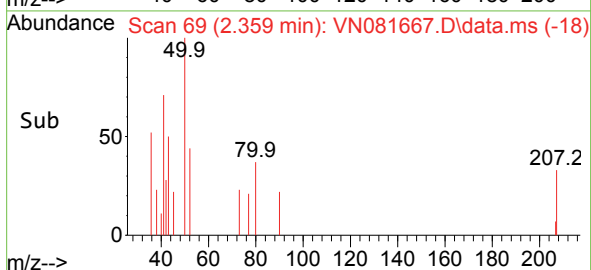
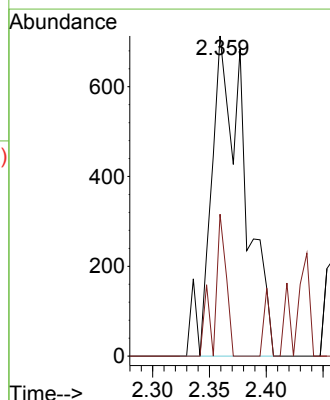
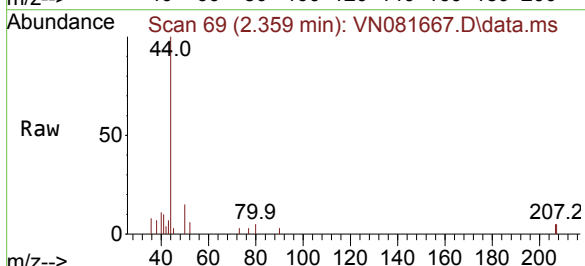
Acq: 08 Apr 2024 10:57

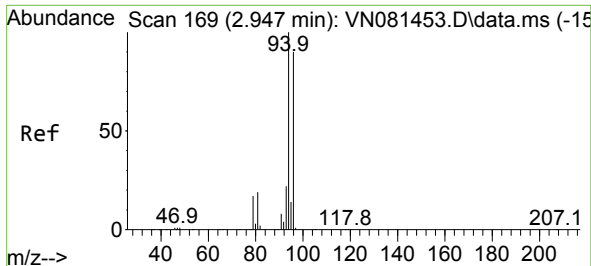
Tgt Ion: 50 Resp: 1462

Ion Ratio Lower Upper

50 100

52 44.3 25.0 37.4#

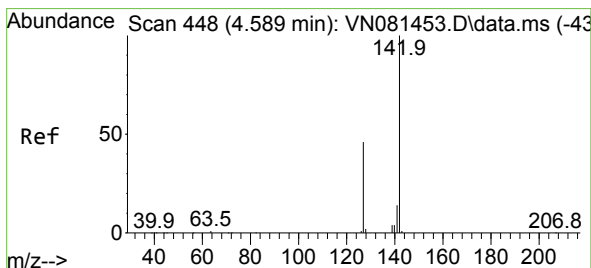
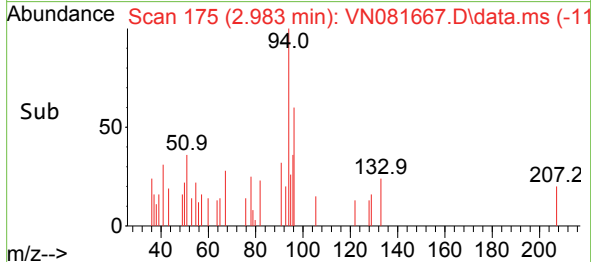
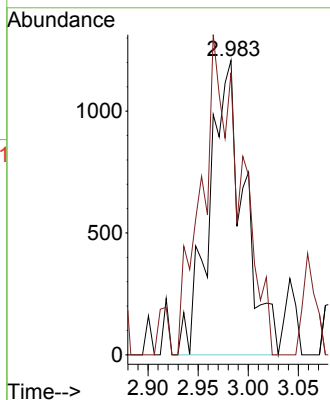
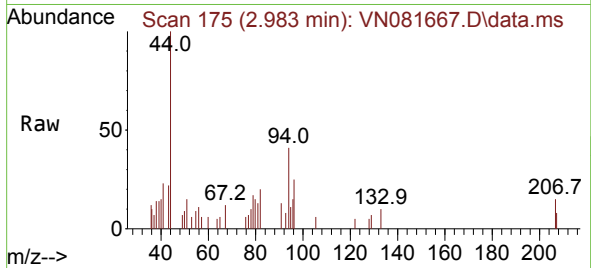




#5
Bromomethane
Concen: 0.743 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN081667.D
Acq: 08 Apr 2024 10:57

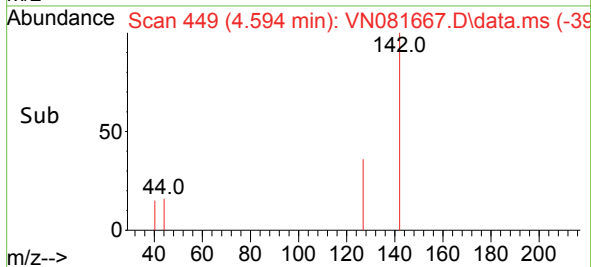
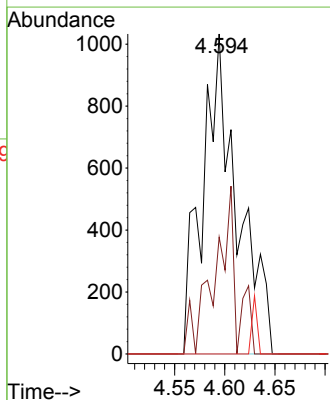
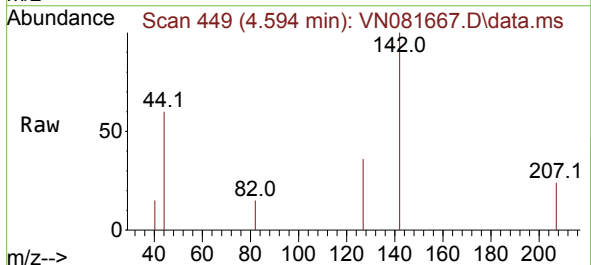
Instrument :
MSVOA_N
ClientSampleId :
VN0408MBL01

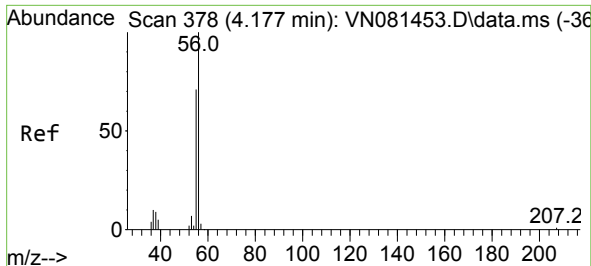
Tgt Ion: 94 Resp: 2932
Ion Ratio Lower Upper
94 100
96 95.9 69.2 103.8



#10
Methyl Iodide
Concen: 0.532 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN081667.D
Acq: 08 Apr 2024 10:57

Tgt Ion:142 Resp: 2503
Ion Ratio Lower Upper
142 100
127 36.5 37.0 55.4#
141 0.0 12.5 18.7#

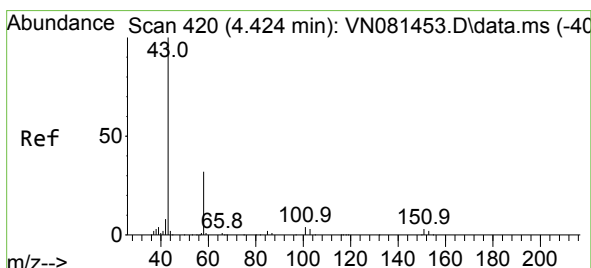
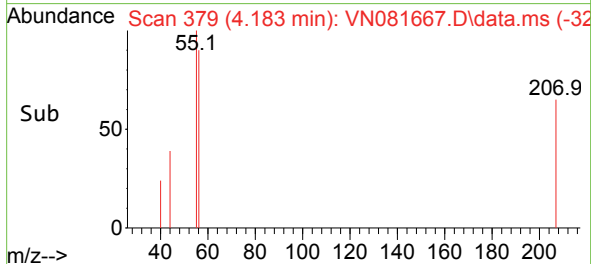
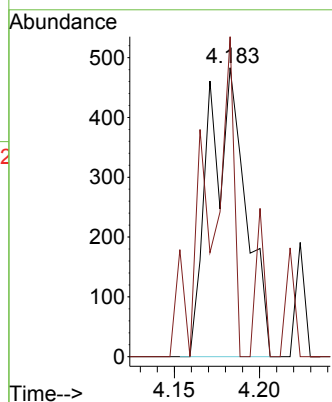
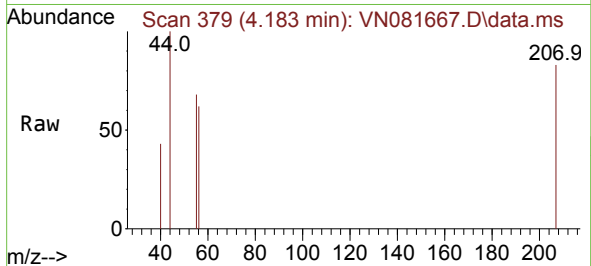




#13
Acrolein
Concen: 0.974 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081667.D
Acq: 08 Apr 2024 10:57

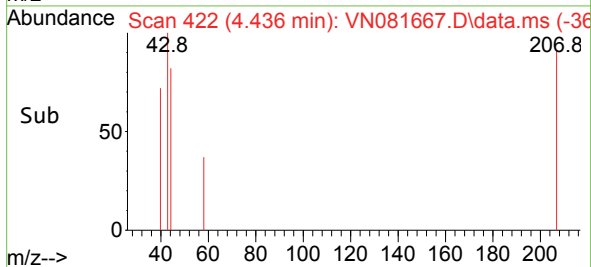
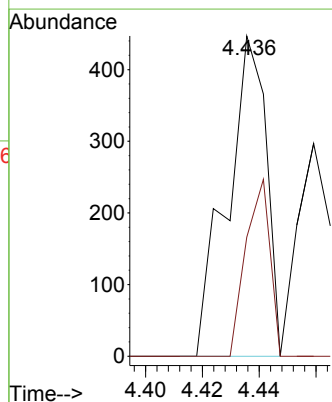
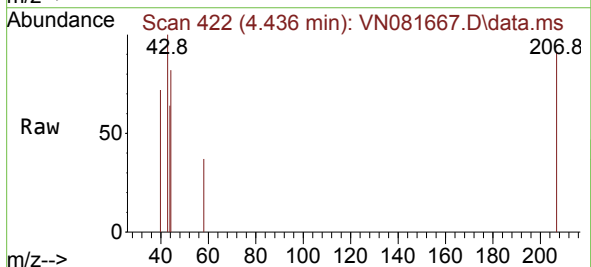
Instrument :
MSVOA_N
ClientSampleId :
VN0408MBL01

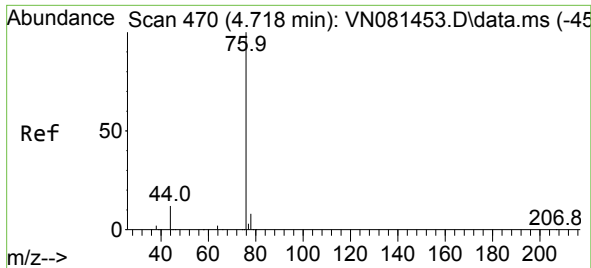
Tgt Ion: 56 Resp: 721
Ion Ratio Lower Upper
56 100
55 73.9 55.3 82.9



#16
Acetone
Concen: 0.279 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN081667.D
Acq: 08 Apr 2024 10:57

Tgt Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
58 37.1 24.8 37.2





#17

Carbon Disulfide

Concen: 0.245 ug/l

RT: 4.724 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN081667.D

Acq: 08 Apr 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

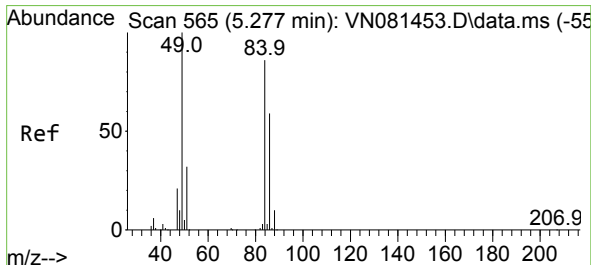
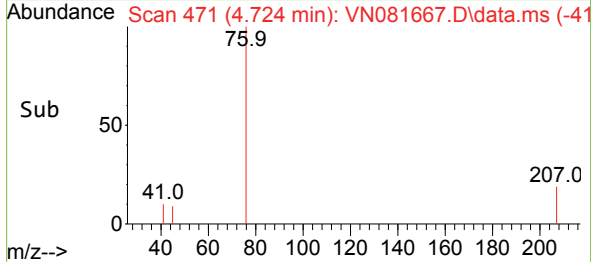
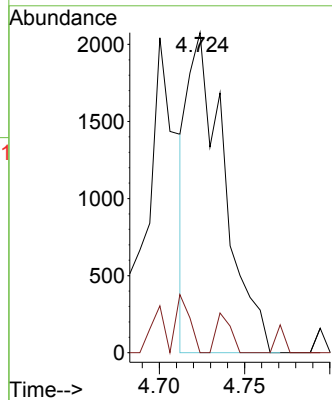
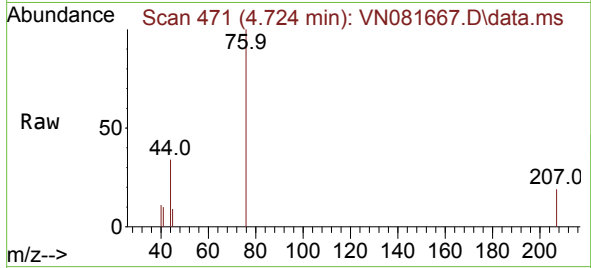
VN0408MBL01

Tgt Ion: 76 Resp: 3084

Ion Ratio Lower Upper

76 100

78 0.0 6.3 9.5#



#20

Methylene Chloride

Concen: 0.228 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN081667.D

Acq: 08 Apr 2024 10:57

Tgt Ion: 84 Resp: 1143

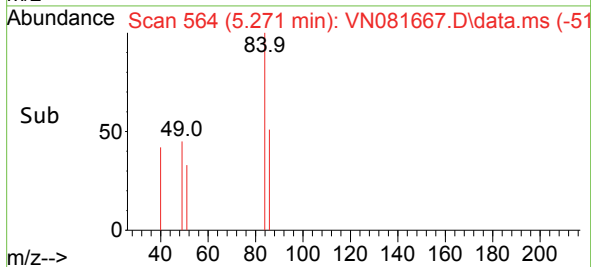
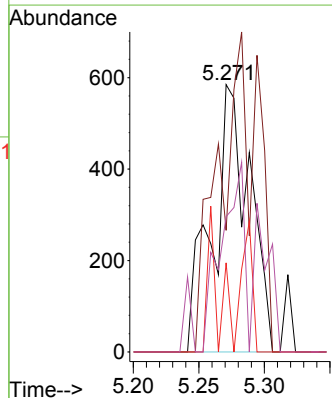
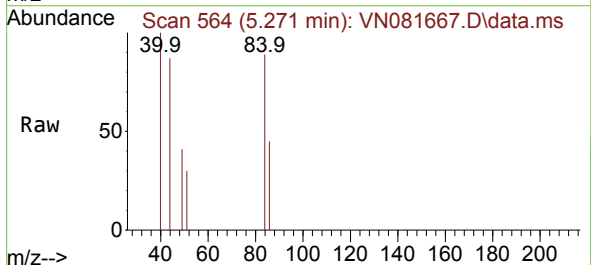
Ion Ratio Lower Upper

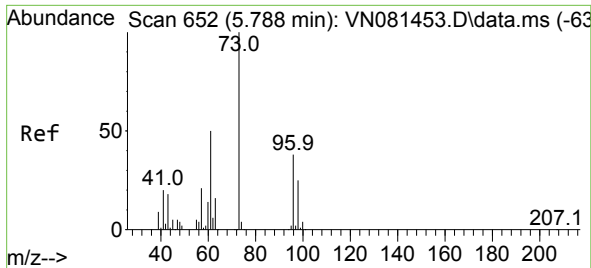
84 100

49 45.5 108.1 162.1#

51 33.3 32.9 49.3

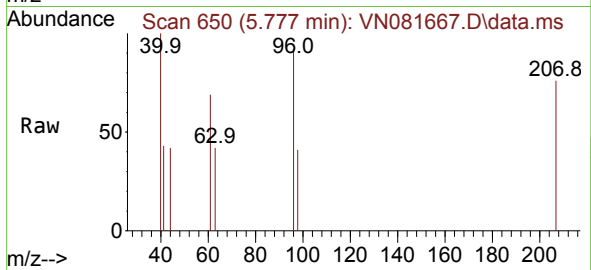
86 50.6 48.6 73.0



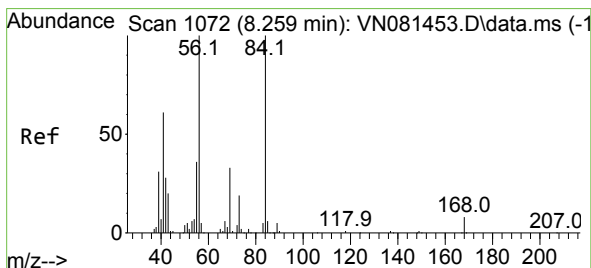
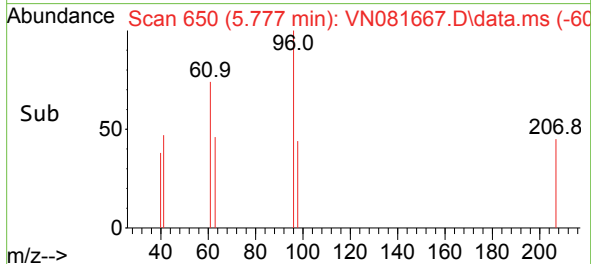
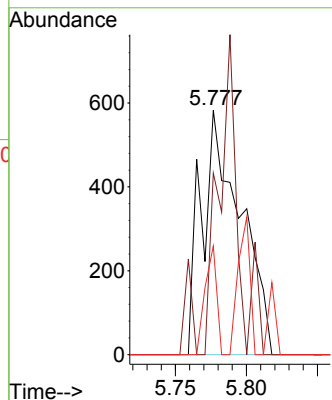


#21
trans-1,2-Dichloroethene
Concen: 0.228 ug/l
RT: 5.777 min Scan# 611
Delta R.T. -0.012 min
Lab File: VN081667.D
Acq: 08 Apr 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN0408MBL01

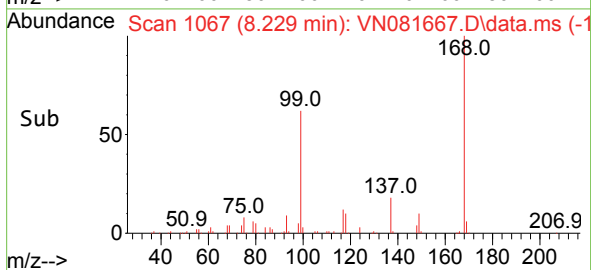
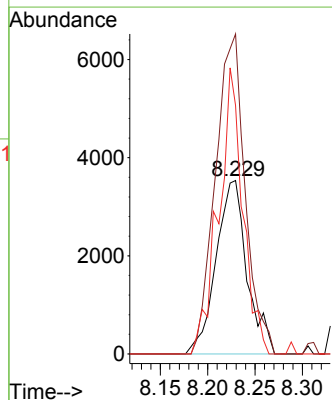
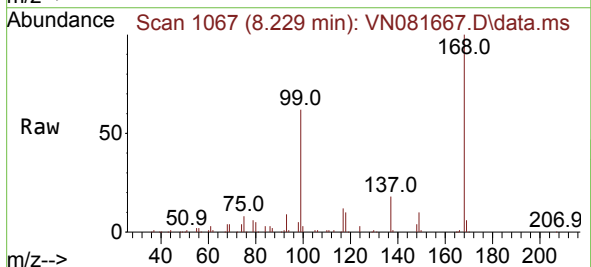


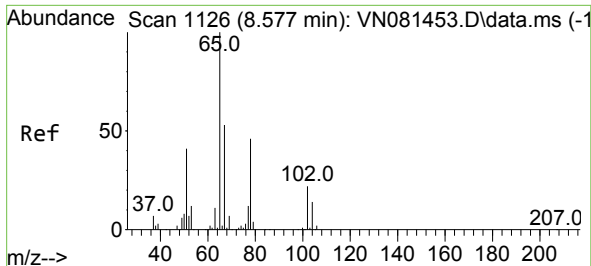
Tgt Ion: 96 Resp: 1114
Ion Ratio Lower Upper
96 100
61 74.3 112.8 169.2#
98 44.4 51.0 76.4#



#31
Cyclohexane
Concen: 1.042 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081667.D
Acq: 08 Apr 2024 10:57

Tgt Ion: 56 Resp: 8020
Ion Ratio Lower Upper
56 100
69 184.5 20.1 30.1#
84 143.2 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 50.978 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081667.D

Acq: 08 Apr 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

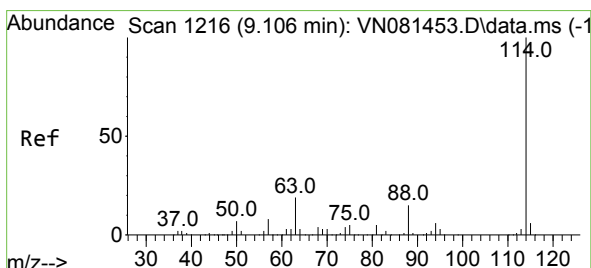
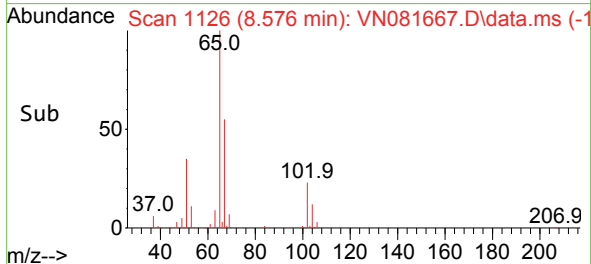
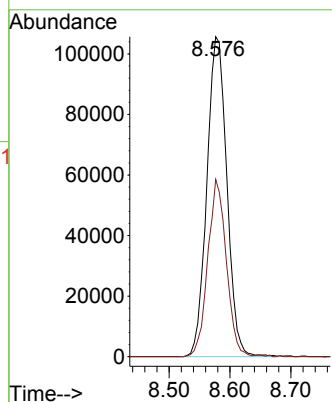
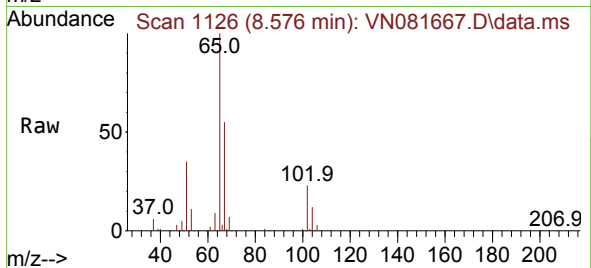
VN0408MBL01

Tgt Ion: 65 Resp: 241213

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081667.D

Acq: 08 Apr 2024 10:57

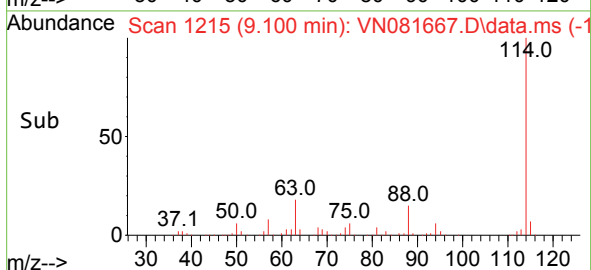
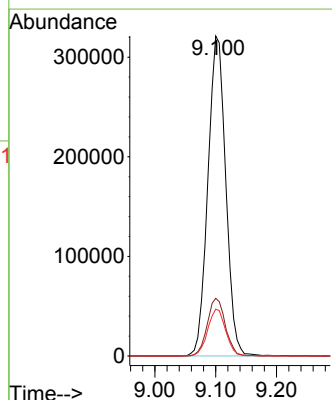
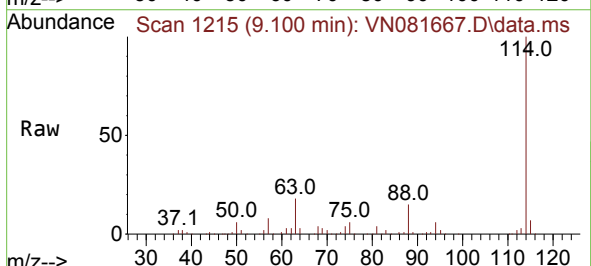
Tgt Ion: 114 Resp: 654846

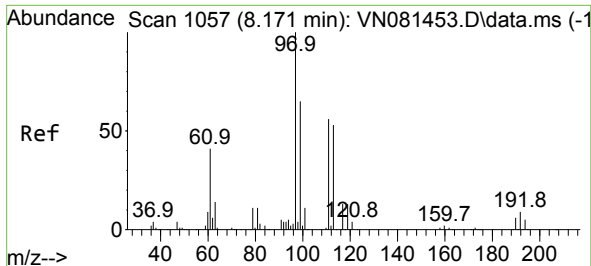
Ion Ratio Lower Upper

114 100

63 18.0 0.0 48.0

88 14.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 51.863 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN081667.D

Acq: 08 Apr 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN0408MBL01

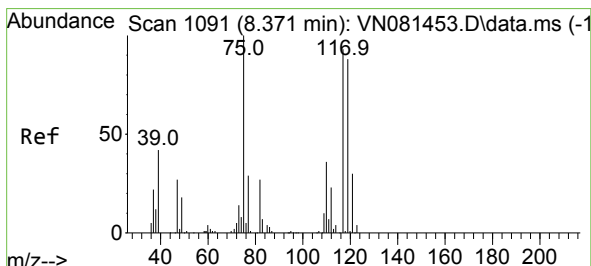
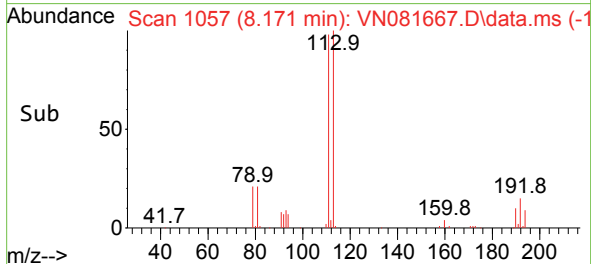
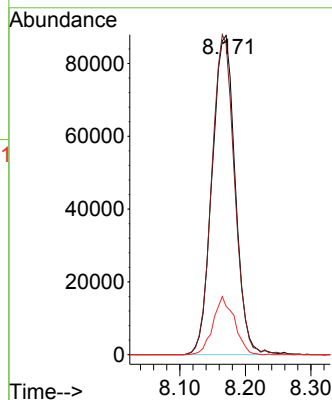
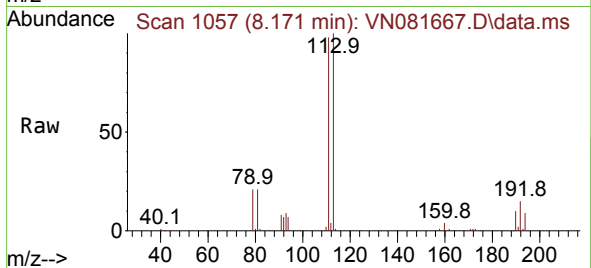
Tgt Ion:113 Resp: 214335

Ion Ratio Lower Upper

113 100

111 98.9 82.2 123.4

192 16.9 12.5 18.7



#36

1,1-Dichloropropene

Concen: 4.211 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081667.D

Acq: 08 Apr 2024 10:57

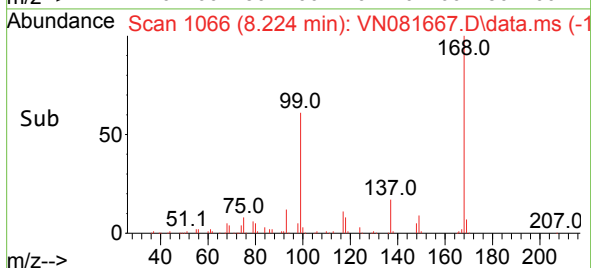
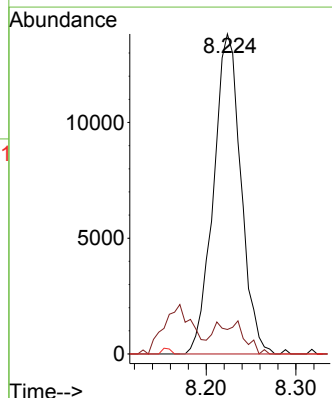
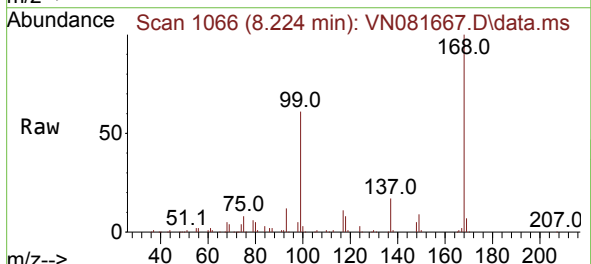
Tgt Ion: 75 Resp: 29289

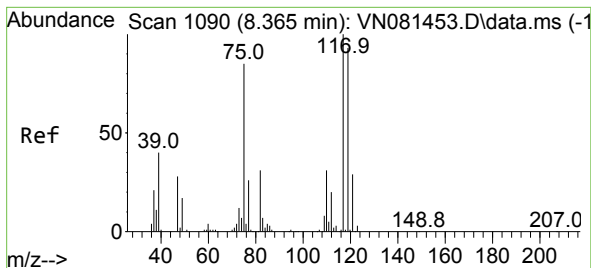
Ion Ratio Lower Upper

75 100

110 2.4 16.0 48.0#

77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.387 ug/l

RT: 8.229 min Scan# 117

Delta R.T. -0.135 min

Lab File: VN081667.D

Acq: 08 Apr 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN0408MBL01

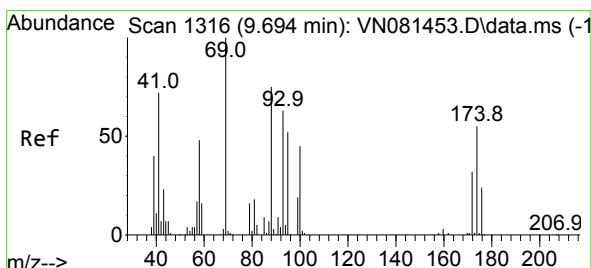
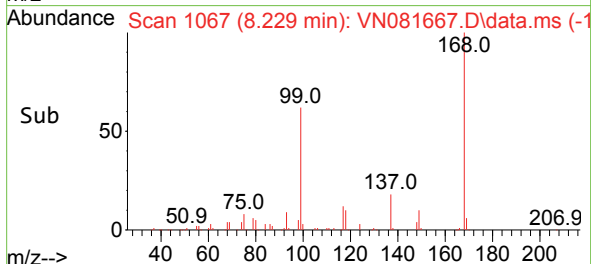
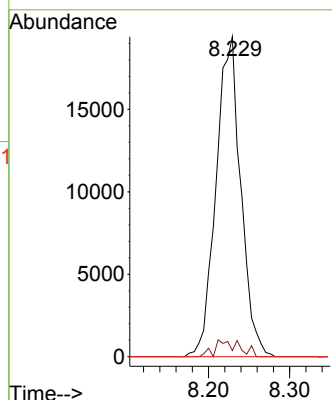
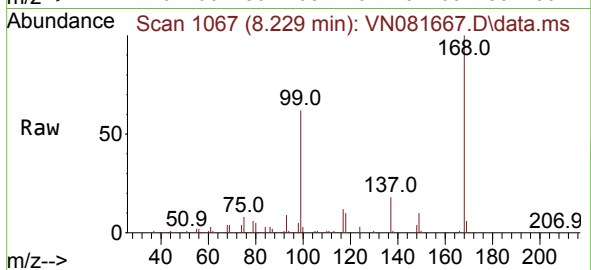
Tgt Ion:117 Resp: 41046

Ion Ratio Lower Upper

117 100

119 1.9 73.4 110.2#

121 0.0 24.4 36.6#



#49

1,4-Dioxane

Concen: 0.539 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.018 min

Lab File: VN081667.D

Acq: 08 Apr 2024 10:57

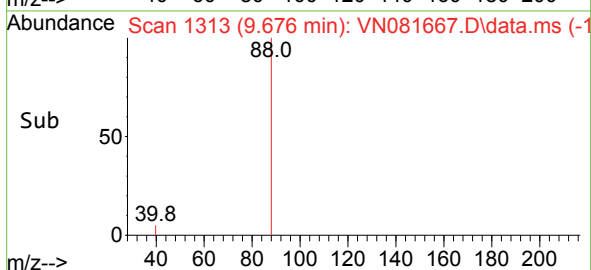
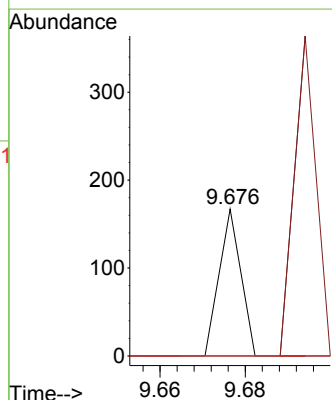
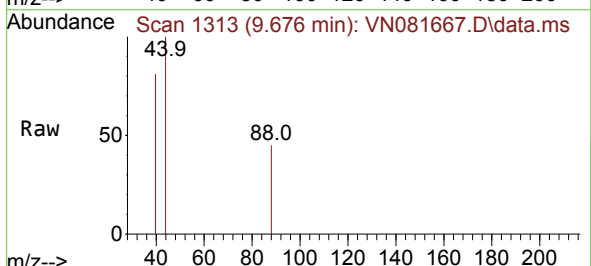
Tgt Ion: 88 Resp: 59

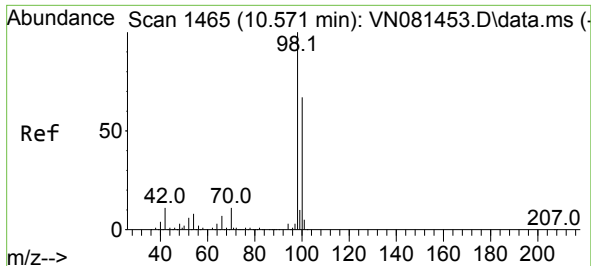
Ion Ratio Lower Upper

88 100

43 216.9 30.1 45.1#

58 0.0 63.9 95.9#

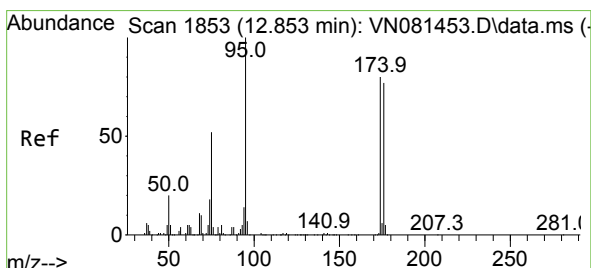
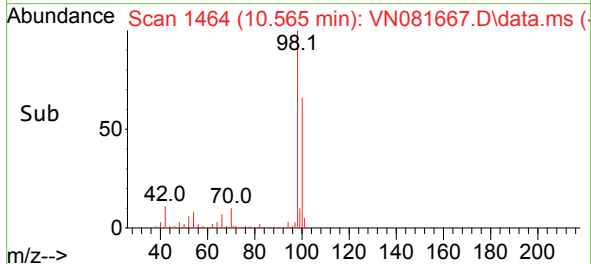
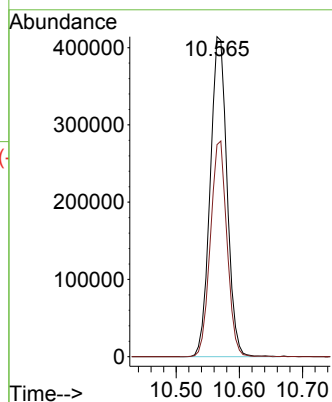
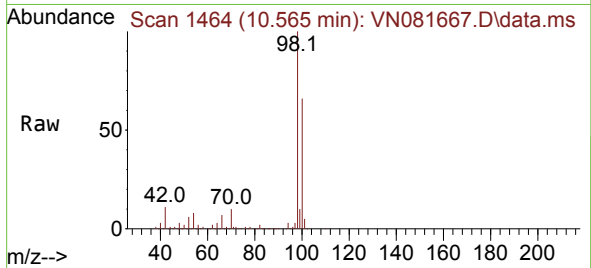




#50
Toluene-d8
Concen: 51.273 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081667.D
Acq: 08 Apr 2024 10:57

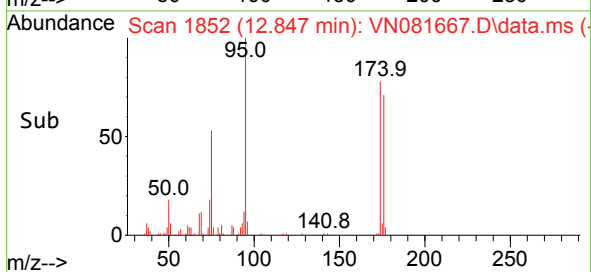
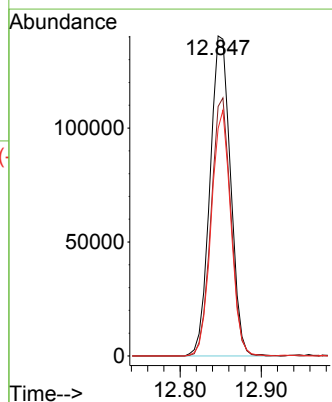
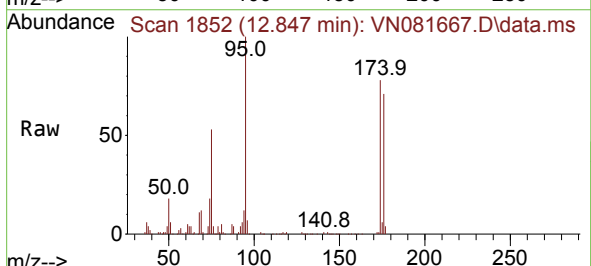
Instrument :
MSVOA_N
ClientSampleId :
VN0408MBL01

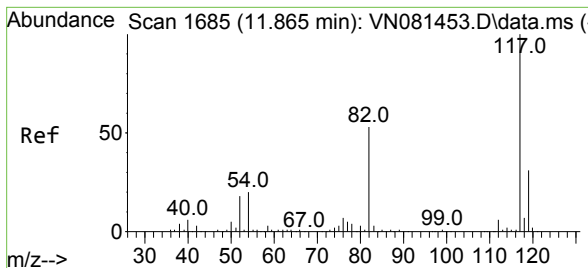
Tgt Ion: 98 Resp: 765979
Ion Ratio Lower Upper
98 100
100 66.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 46.883 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081667.D
Acq: 08 Apr 2024 10:57

Tgt Ion: 95 Resp: 246796
Ion Ratio Lower Upper
95 100
174 77.6 0.0 120.4
176 73.2 0.0 121.0

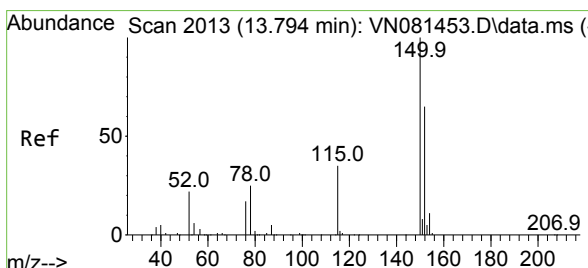
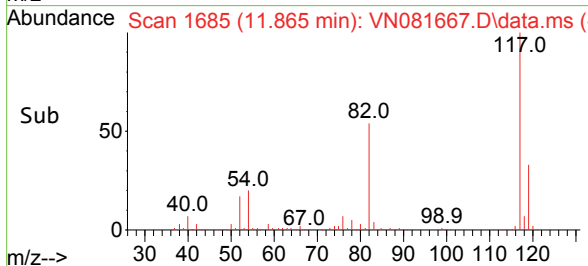
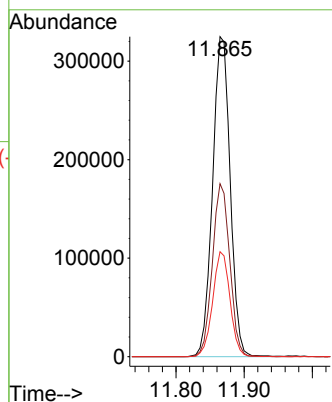
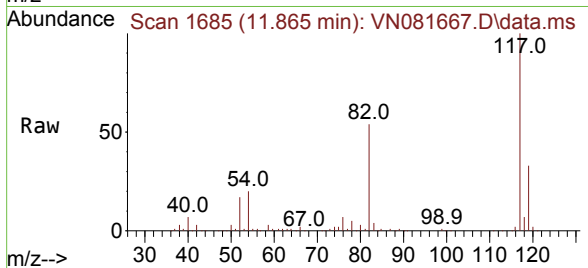




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081667.D
Acq: 08 Apr 2024 10:57

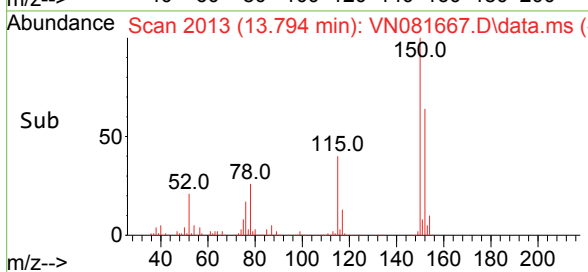
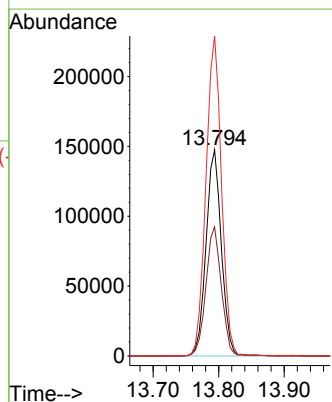
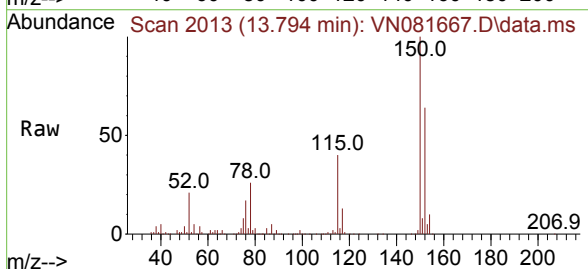
Instrument :
MSVOA_N
ClientSampleId :
VN0408MBL01

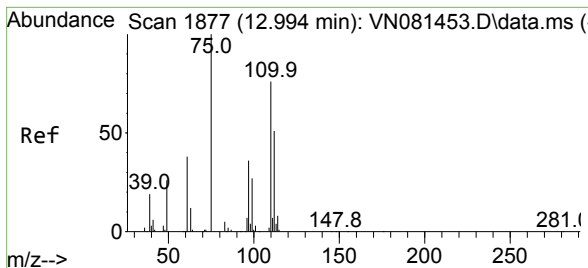
Tgt Ion:117 Resp: 584429
Ion Ratio Lower Upper
117 100
82 54.0 52.7 79.1
119 32.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081667.D
Acq: 08 Apr 2024 10:57

Tgt Ion:152 Resp: 240170
Ion Ratio Lower Upper
152 100
115 62.9 32.3 96.8
150 156.7 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 21.796 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081667.D

Acq: 08 Apr 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

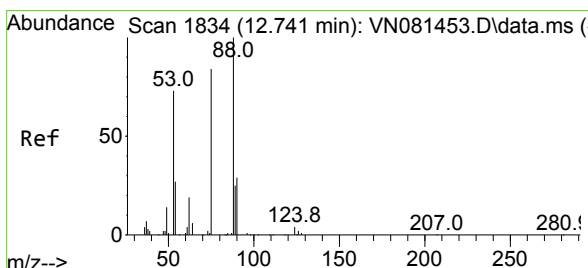
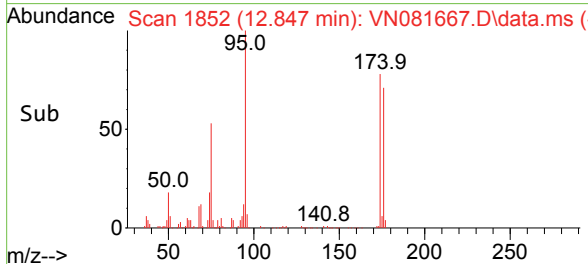
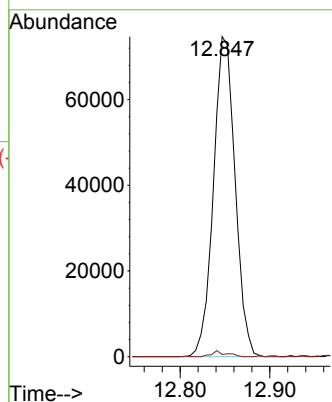
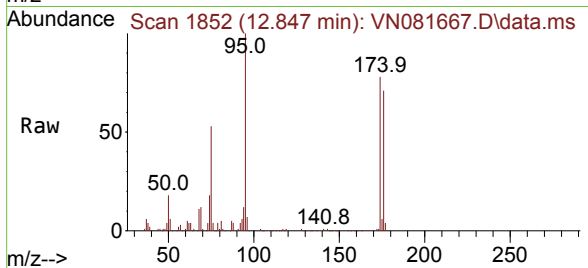
VN0408MBL01

Tgt Ion: 75 Resp: 125216

Ion Ratio Lower Upper

75 100

77 1.2 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.899 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN081667.D

Acq: 08 Apr 2024 10:57

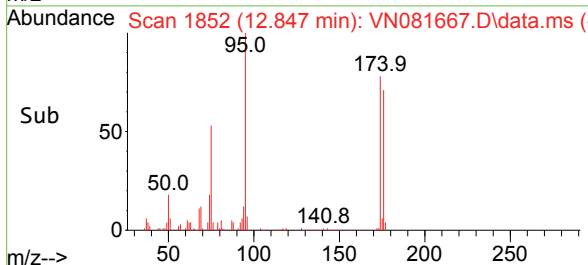
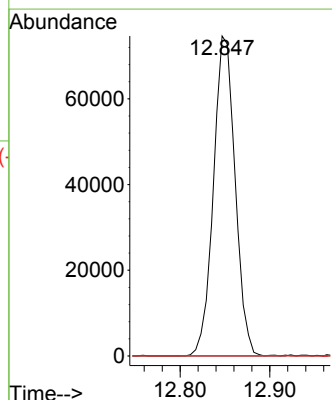
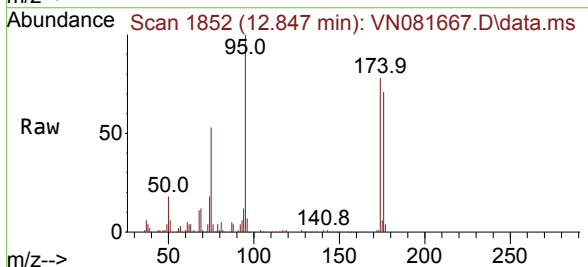
Tgt Ion: 75 Resp: 125216

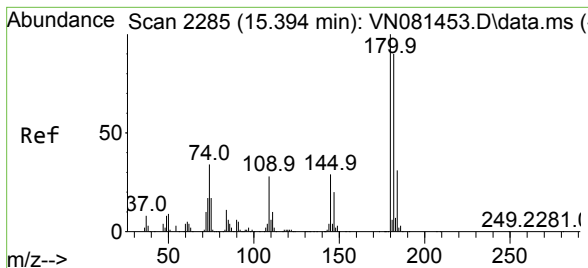
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 33.4 50.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.336 ug/l

RT: 15.400 min Scan# 2286

Delta R.T. 0.006 min

Lab File: VN081667.D

Acq: 08 Apr 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN0408MBL01

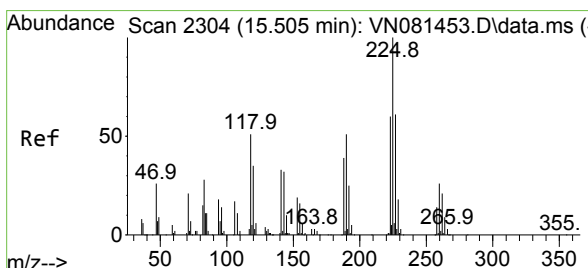
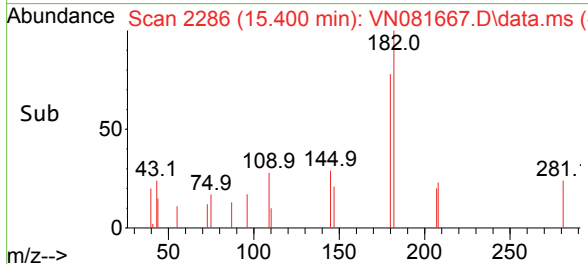
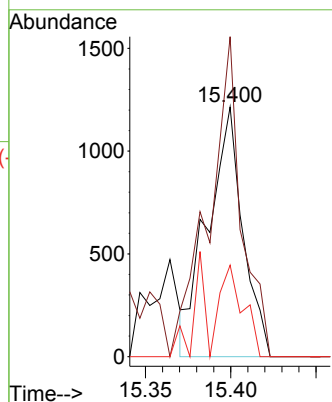
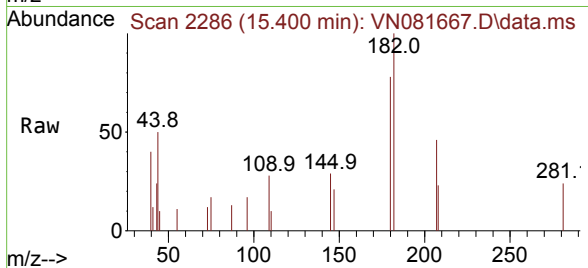
Tgt Ion:180 Resp: 1740

Ion Ratio Lower Upper

180 100

182 118.7 46.6 139.7

145 24.7 16.8 50.3



#94

Hexachlorobutadiene

Concen: 0.686 ug/l

RT: 15.505 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN081667.D

Acq: 08 Apr 2024 10:57

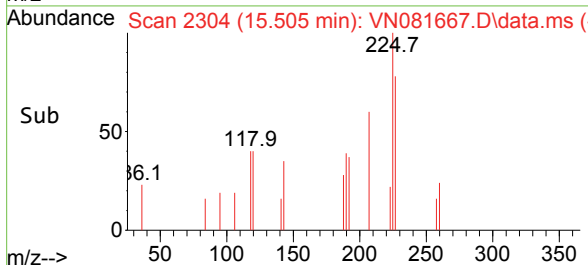
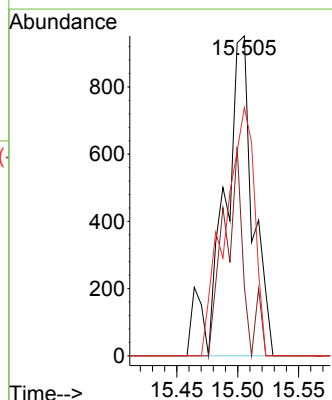
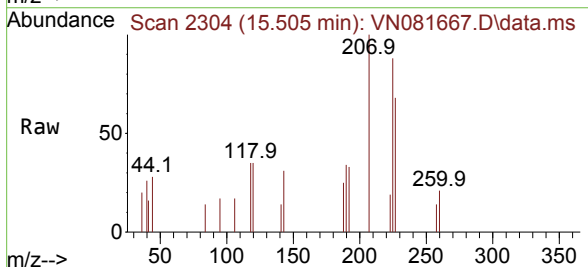
Tgt Ion:225 Resp: 1556

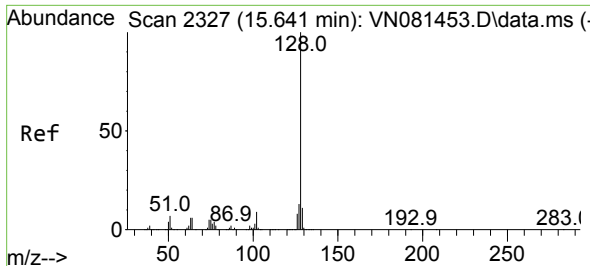
Ion Ratio Lower Upper

225 100

223 44.5 33.3 99.8

227 80.5 33.1 99.2

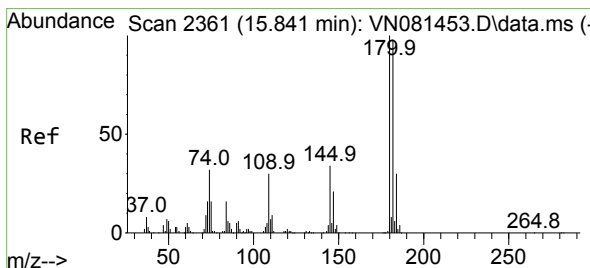
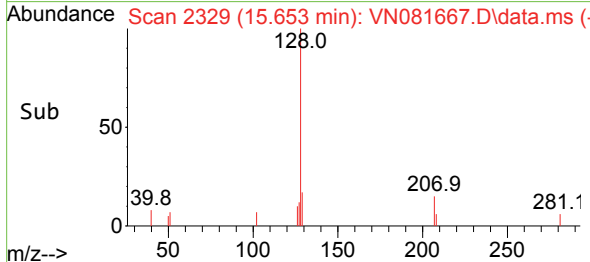
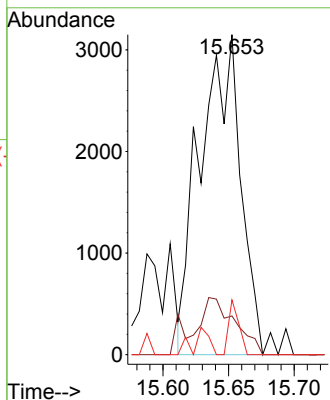
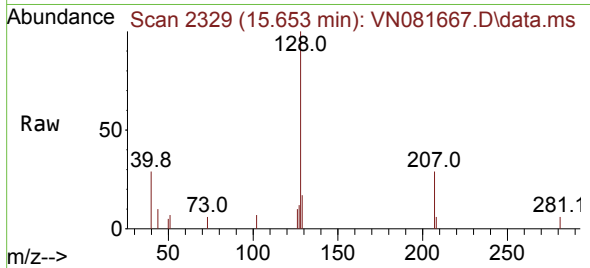




#95
Naphthalene
Concen: 0.407 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN081667.D
Acq: 08 Apr 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN0408MBL01

Tgt Ion:128 Resp: 6823
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 4.2 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.495 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN081667.D
Acq: 08 Apr 2024 10:57

Tgt Ion:180 Resp: 2573
Ion Ratio Lower Upper
180 100
182 96.8 46.5 139.3
145 30.7 17.8 53.4

