

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
 Data File : VN080966.D
 Acq On : 08 Feb 2024 16:10
 Operator : JC\MD
 Sample : P1415-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 01:23:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 06:22:23 2024
 Response via : Initial Calibration

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

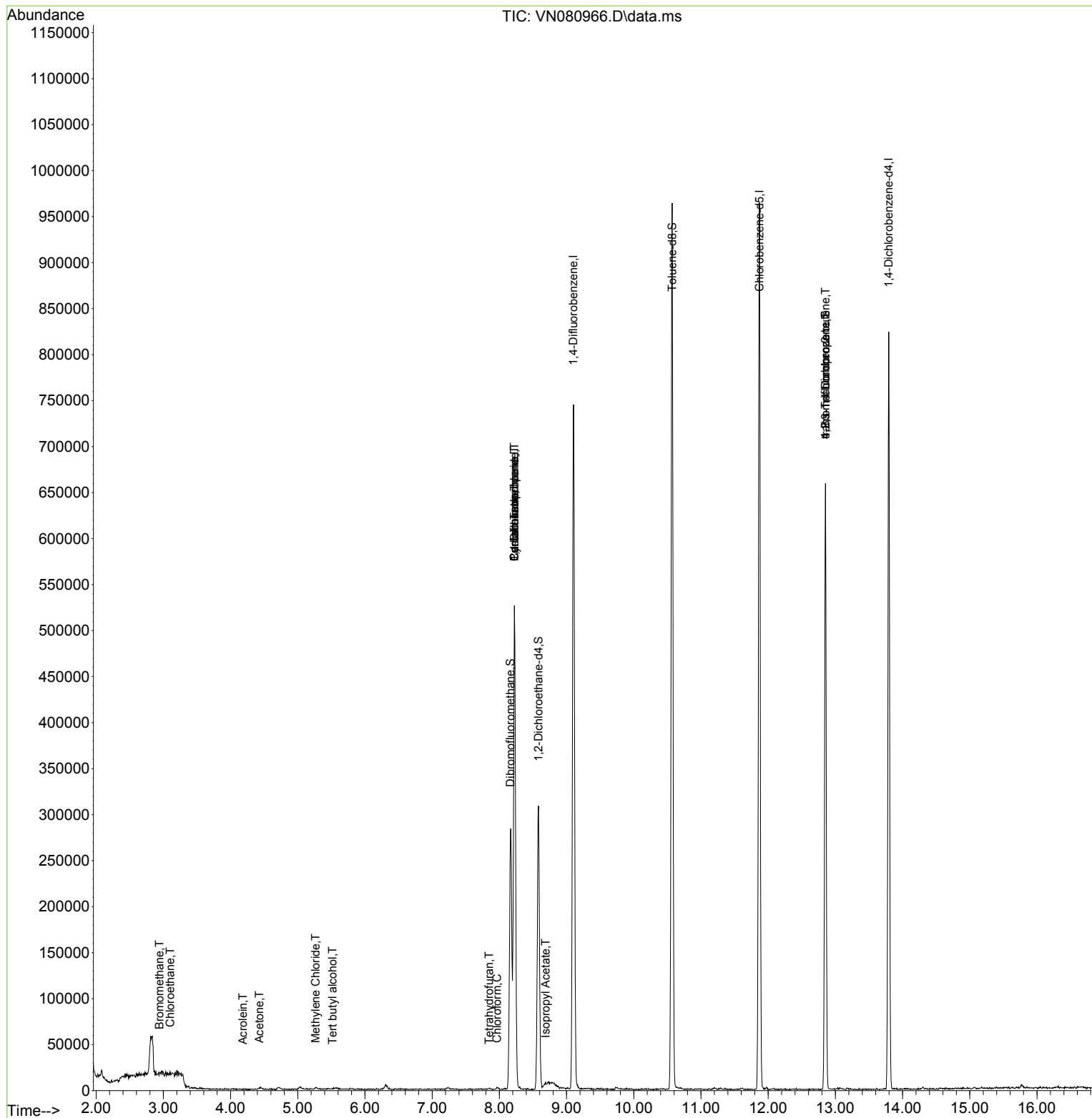
Internal Standards						
1) Pentafluorobenzene	8.224	168	356431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	661098	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	565543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	217150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	250563	55.725	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 111.460%		
35) Dibromofluoromethane	8.165	113	203641	57.405	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 114.800%		
50) Toluene-d8	10.571	98	680811	53.058	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 106.120%		
62) 4-Bromofluorobenzene	12.853	95	224437	48.148	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 96.300%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	3606	Below Cal		89
5) Bromomethane	2.942	94	864	0.255 ug/l	#	7
6) Chloroethane	3.101	64	1128	0.303 ug/l	#	42
11) Tert butyl alcohol	5.518	59	247	0.399 ug/l	#	72
13) Acrolein	4.183	56	247	0.316 ug/l	#	15
16) Acetone	4.430	43	1503	1.016 ug/l	#	69
18) Methyl Acetate	5.012	43	1194	Below Cal	#	54
20) Methylene Chloride	5.265	84	1005	0.224 ug/l	#	44
29) Tetrahydrofuran	7.847	42	675	0.465 ug/l	#	55
30) Chloroform	7.965	83	2103	0.249 ug/l		85
31) Cyclohexane	8.224	56	8611	1.401 ug/l	#	1
36) 1,1-Dichloropropene	8.224	75	30706	5.818 ug/l	#	50
38) Carbon Tetrachloride	8.224	117	38823	7.176 ug/l	#	18
43) Isopropyl Acetate	8.688	43	6396	0.871 ug/l	#	57
76) 1,2,3-Trichloropropane	12.853	75	120159	27.139 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	120159	73.733 ug/l	#	14

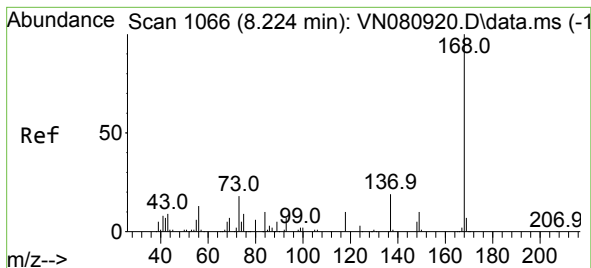
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 07 06:22:23 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080966.D

Acq: 08 Feb 2024 16:10

Instrument :

MSVOA_N

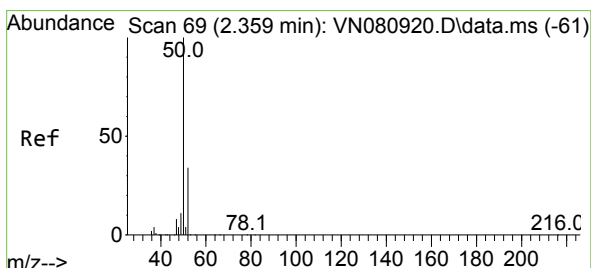
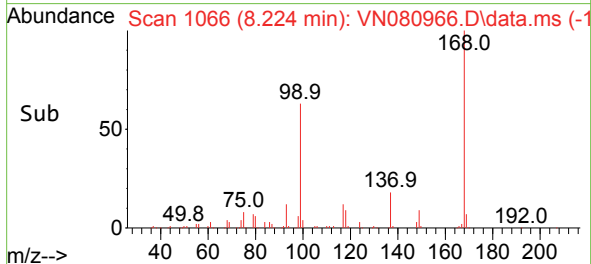
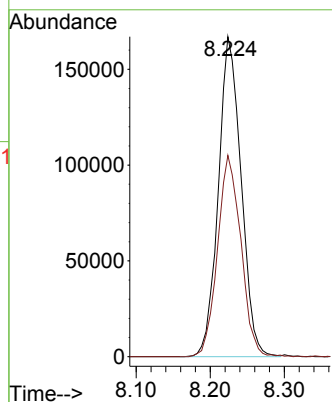
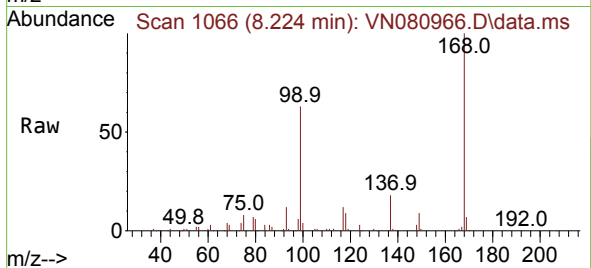
ClientSampleId :

Tgt Ion:168 Resp: 356431

Ion Ratio Lower Upper

168 100

99 62.9 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080966.D

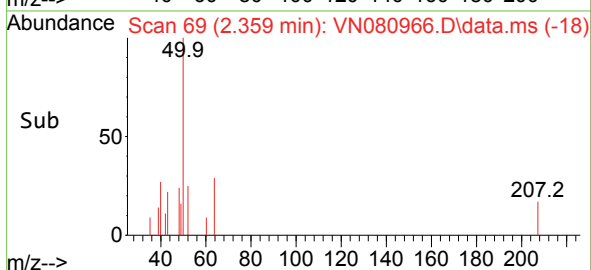
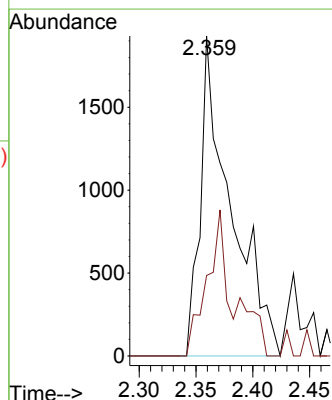
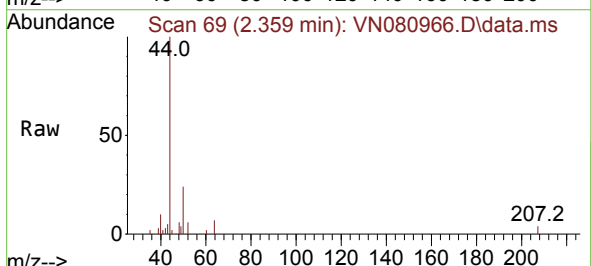
Acq: 08 Feb 2024 16:10

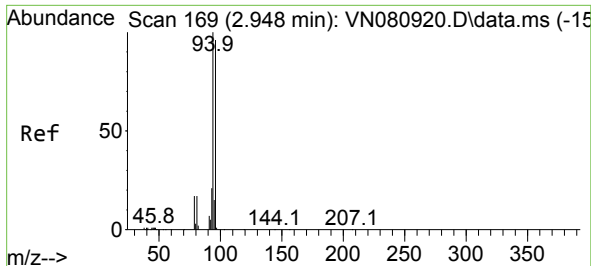
Tgt Ion: 50 Resp: 3606

Ion Ratio Lower Upper

50 100

52 25.1 25.0 37.4

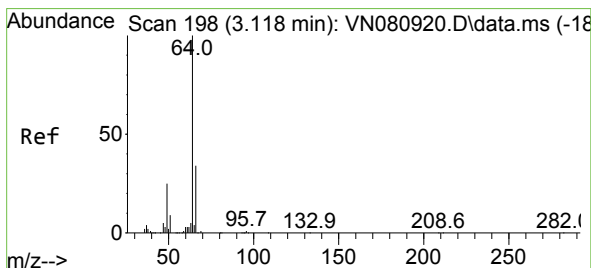
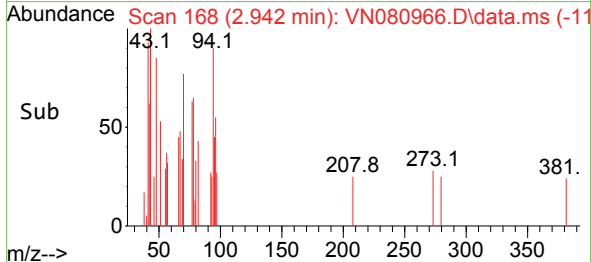
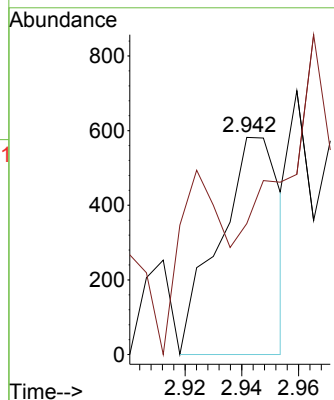
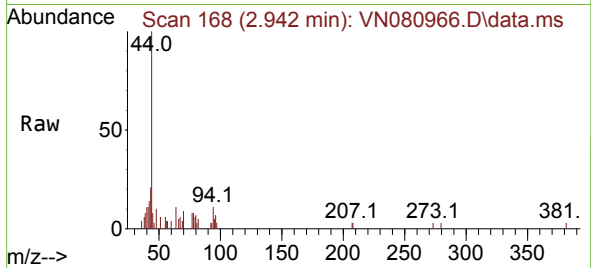




#5
Bromomethane
Concen: 0.255 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

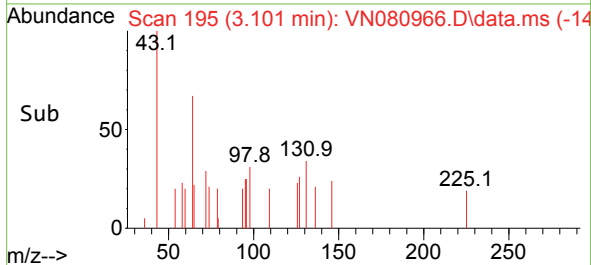
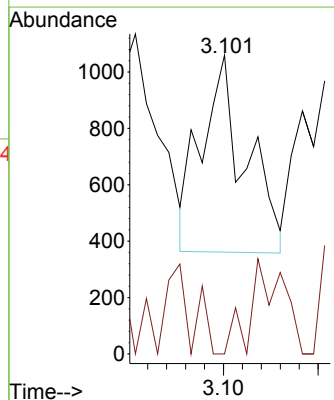
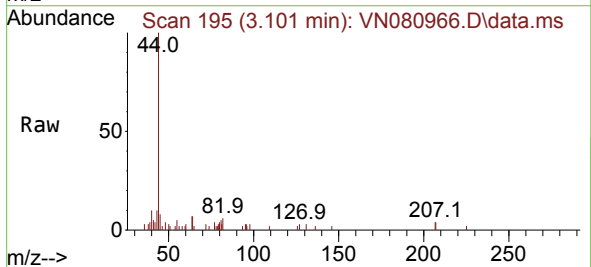
Instrument :
MSVOA_N
ClientSampleId :

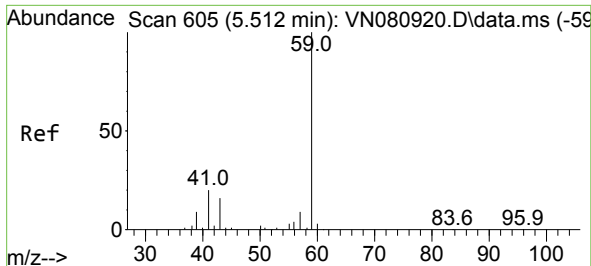
Tgt Ion: 94 Resp: 864
Ion Ratio Lower Upper
94 100
96 0.7 69.2 103.8#



#6
Chloroethane
Concen: 0.303 ug/l
RT: 3.101 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

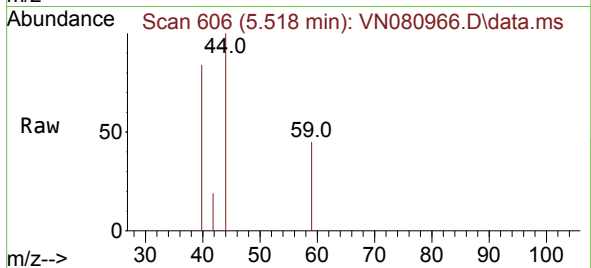
Tgt Ion: 64 Resp: 1128
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



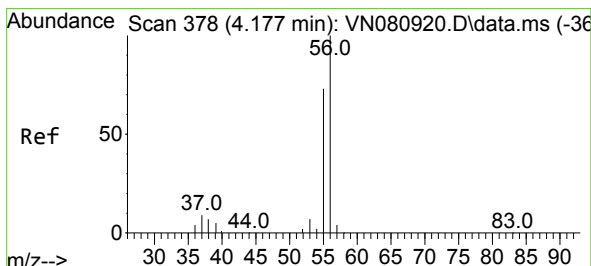
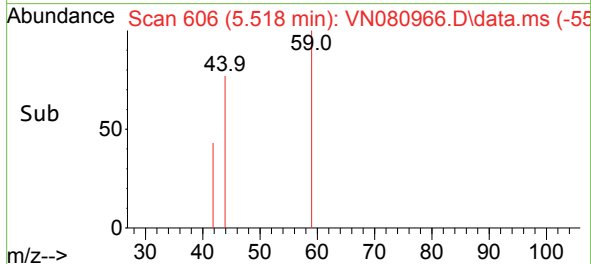
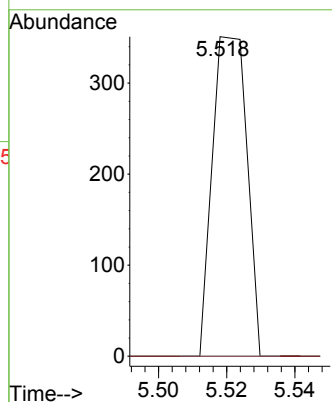


#11
Tert butyl alcohol
Concen: 0.399 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

Instrument :
MSVOA_N
ClientSampleId :

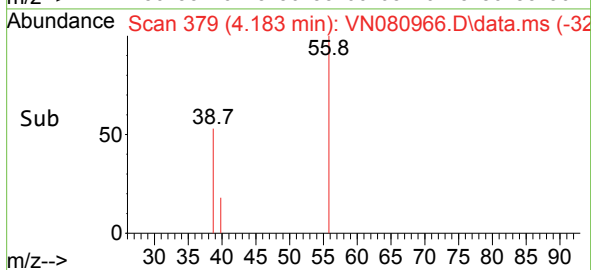
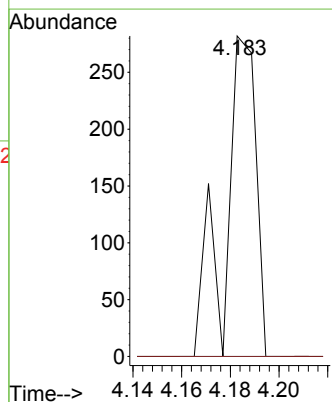
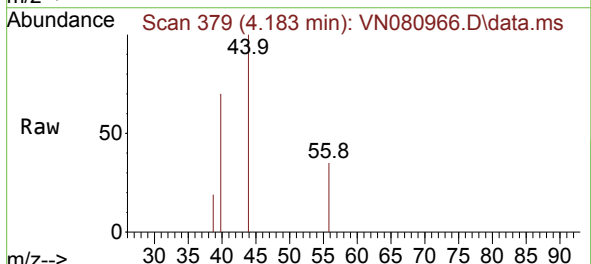


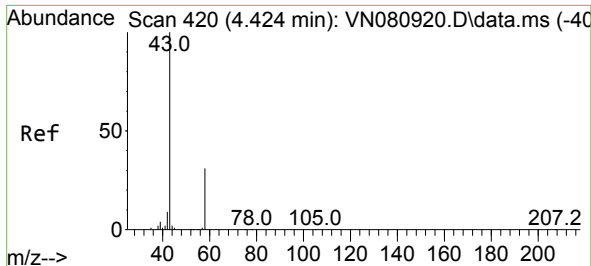
Tgt Ion: 59 Resp: 247
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.316 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

Tgt Ion: 56 Resp: 247
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#

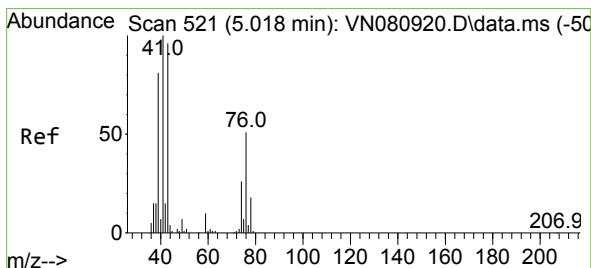
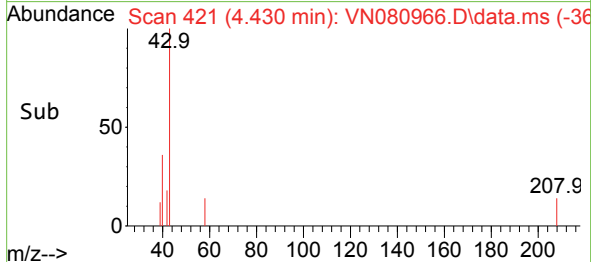
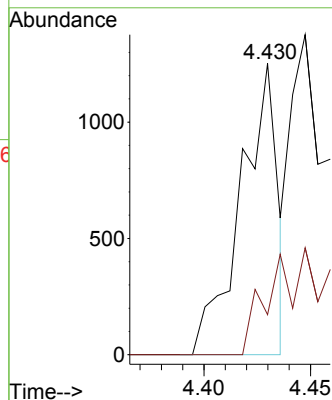
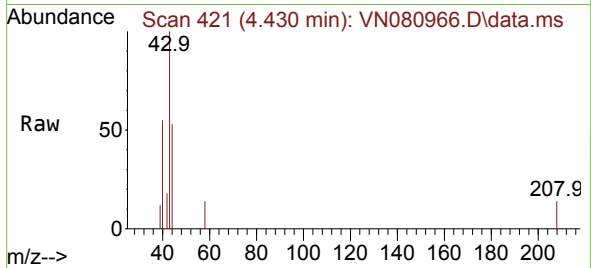




#16
Acetone
Concen: 1.016 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

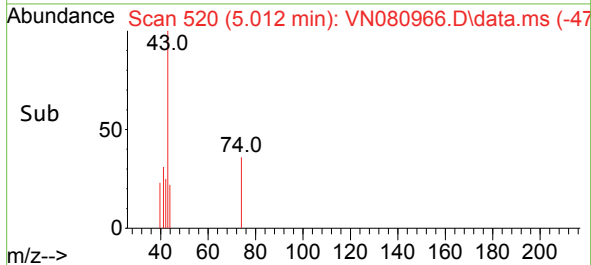
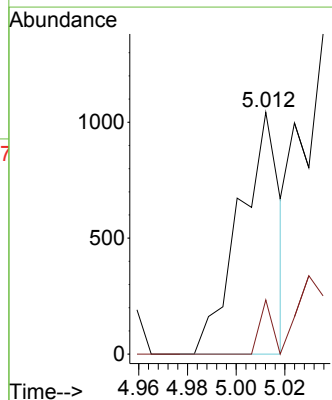
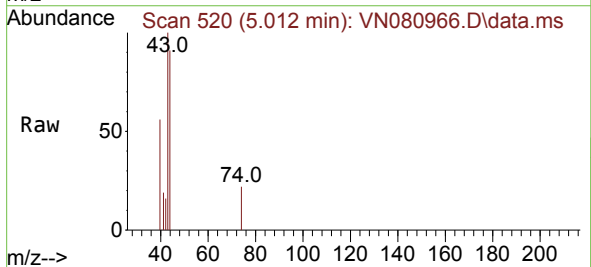
Instrument :
MSVOA_N
ClientSampleId :

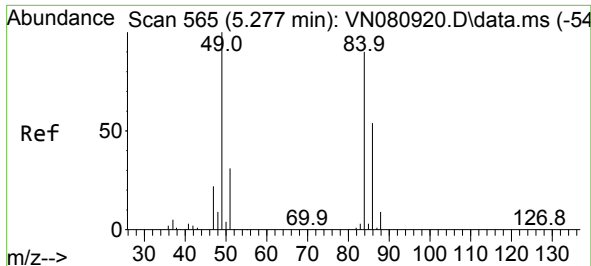
Tgt Ion: 43 Resp: 1503
Ion Ratio Lower Upper
43 100
58 13.7 24.8 37.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

Tgt Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#





#20

Methylene Chloride

Concen: 0.224 ug/l

RT: 5.265 min Scan# 51

Delta R.T. -0.012 min

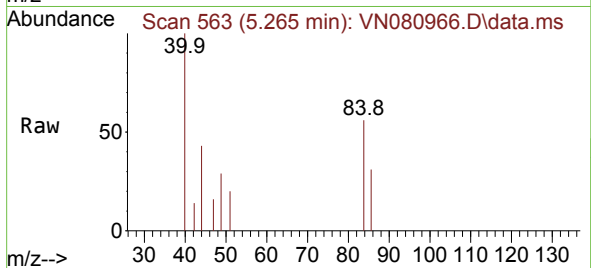
Lab File: VN080966.D

Acq: 08 Feb 2024 16:10

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 1005

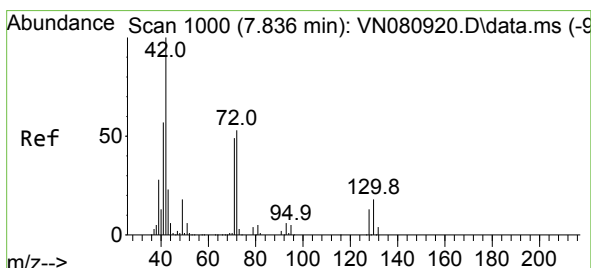
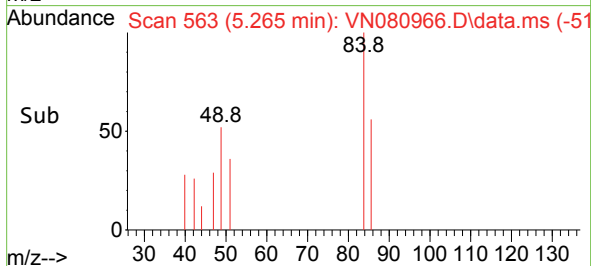
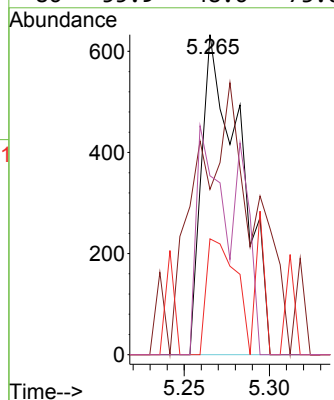
Ion Ratio Lower Upper

84 100

49 23.5 108.1 162.1#

51 36.2 32.9 49.3

86 55.9 48.6 73.0



#29

Tetrahydrofuran

Concen: 0.465 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VN080966.D

Acq: 08 Feb 2024 16:10

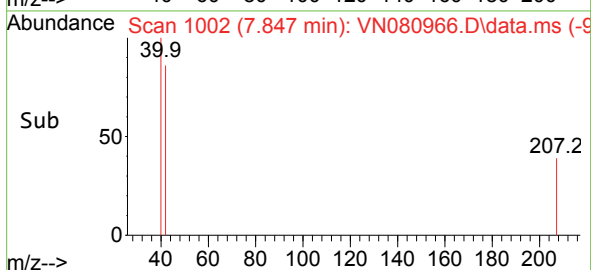
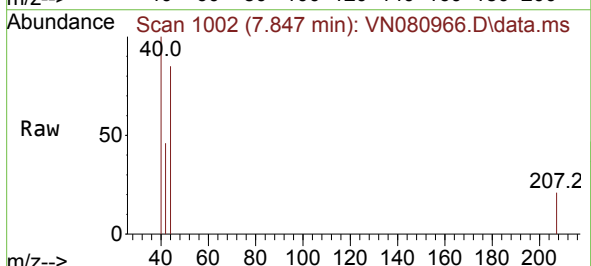
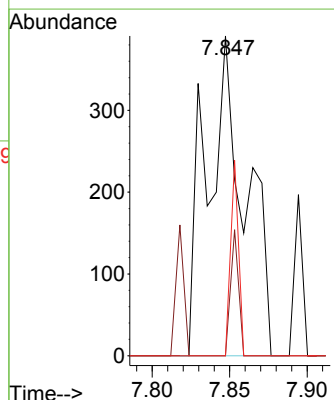
Tgt Ion: 42 Resp: 675

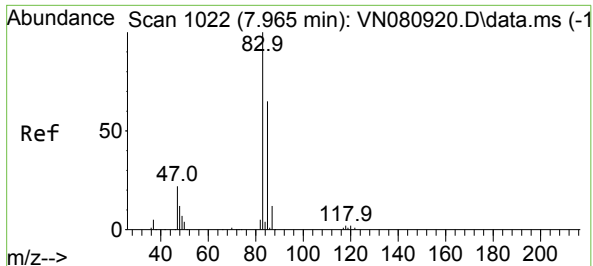
Ion Ratio Lower Upper

42 100

72 8.0 31.1 46.7#

71 12.4 28.3 42.5#

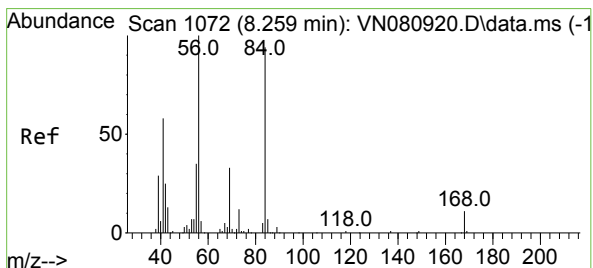
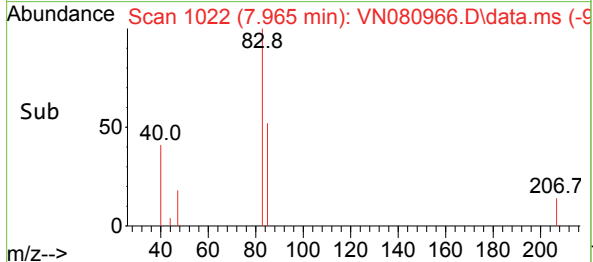
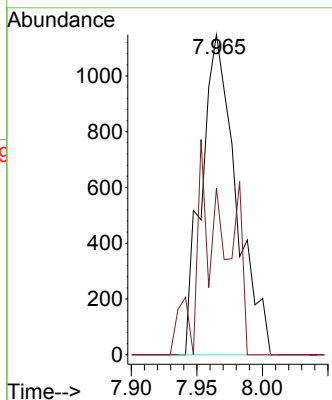
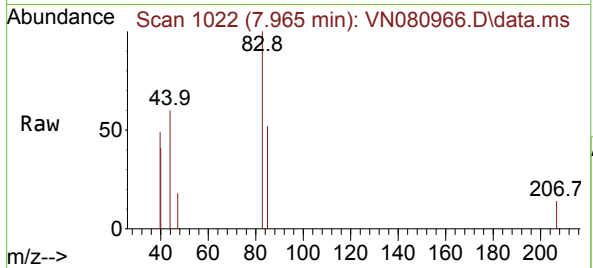




#30
Chloroform
Concen: 0.249 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

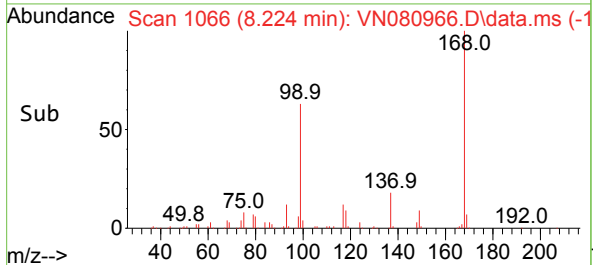
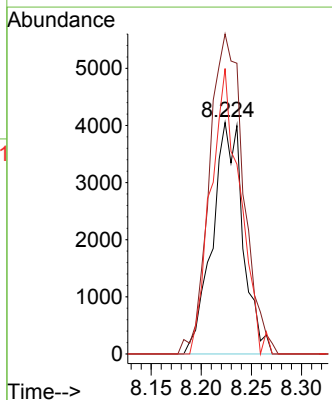
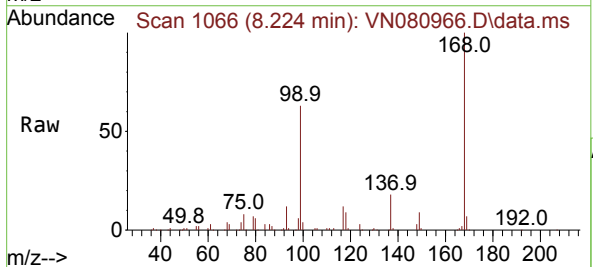
Instrument :
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ClientSampleId :

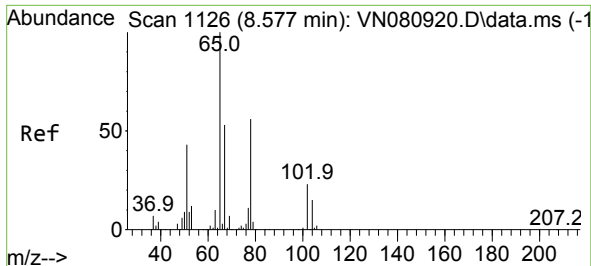
Tgt Ion: 83 Resp: 2103
Ion Ratio Lower Upper
83 100
85 52.1 51.0 76.6



#31
Cyclohexane
Concen: 1.401 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

Tgt Ion: 56 Resp: 8611
Ion Ratio Lower Upper
56 100
69 138.2 20.1 30.1#
84 123.3 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 55.725 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN080966.D

Acq: 08 Feb 2024 16:10

Instrument :

MSVOA_N

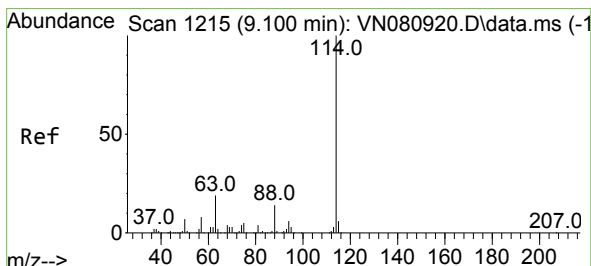
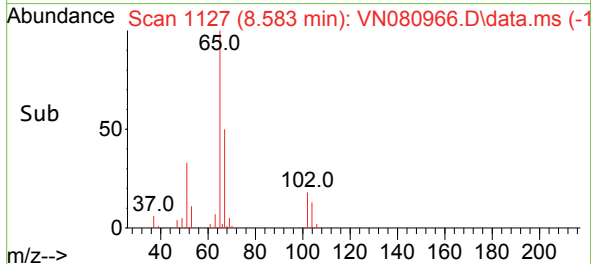
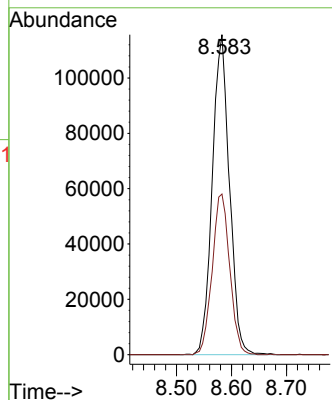
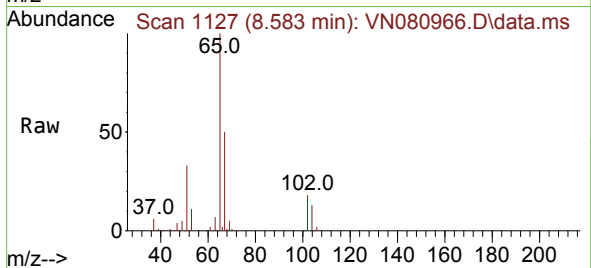
ClientSampleId :

Tgt Ion: 65 Resp: 250563

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. -0.000 min

Lab File: VN080966.D

Acq: 08 Feb 2024 16:10

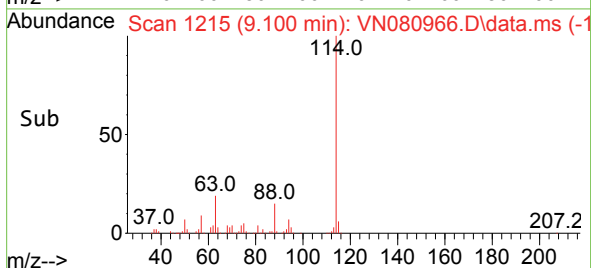
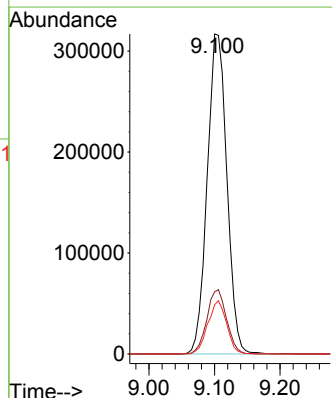
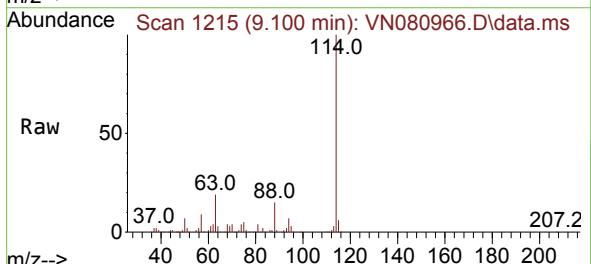
Tgt Ion: 114 Resp: 661098

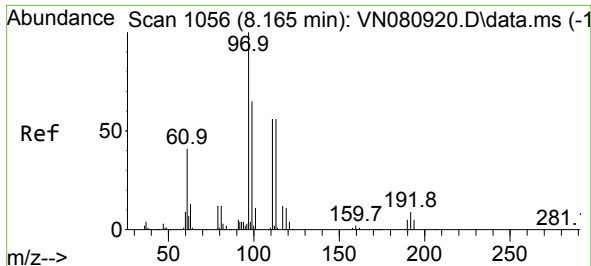
Ion Ratio Lower Upper

114 100

63 19.4 0.0 48.0

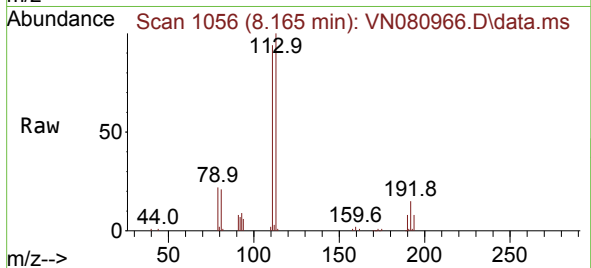
88 15.3 0.0 34.8



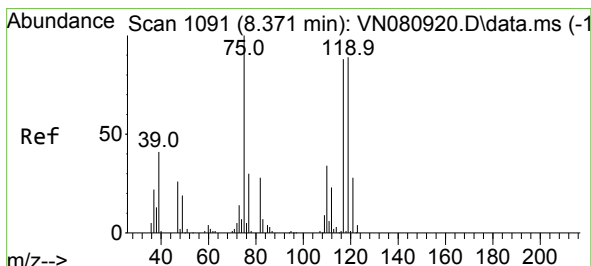
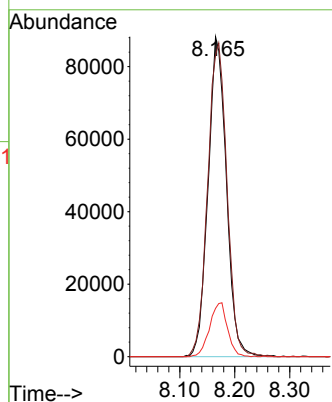
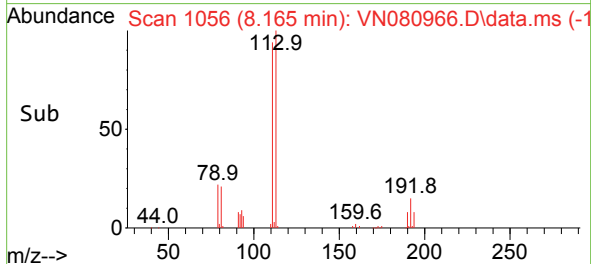


#35
Dibromofluoromethane
Concen: 57.405 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

Instrument :
MSVOA_N
ClientSampleId :

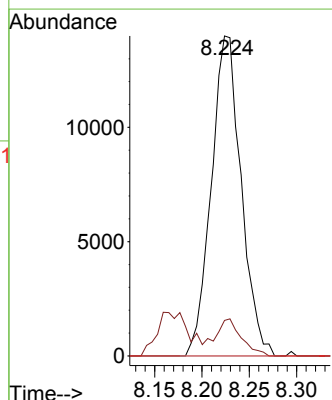
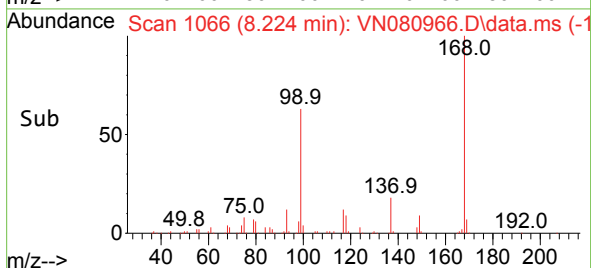
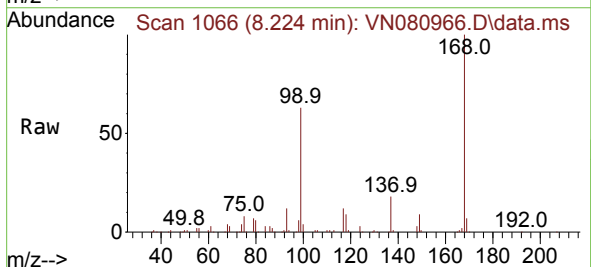


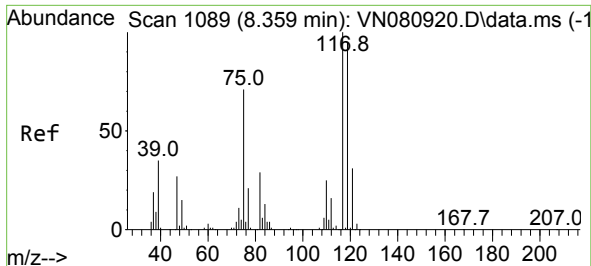
Tgt Ion:113 Resp: 203641
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.4
192 16.5 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.818 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

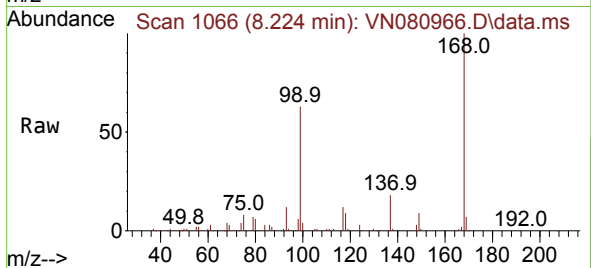
Tgt Ion: 75 Resp: 30706
Ion Ratio Lower Upper
75 100
110 8.5 16.0 48.0#
77 0.0 25.8 38.6#



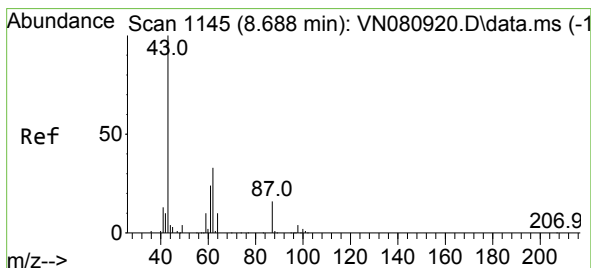
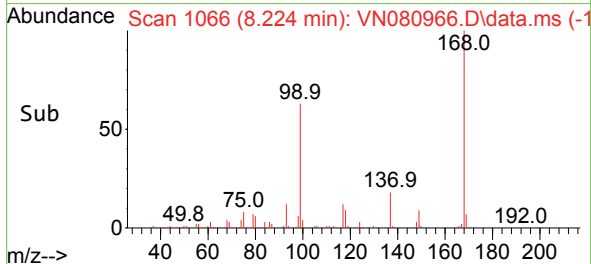
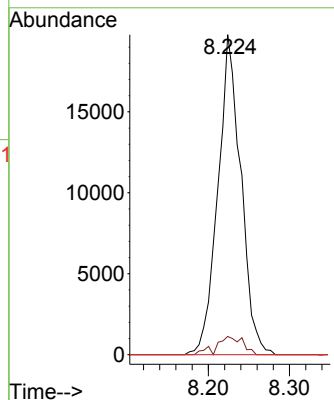


#38
Carbon Tetrachloride
Concen: 7.176 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

Instrument :
MSVOA_N
ClientSampleId :

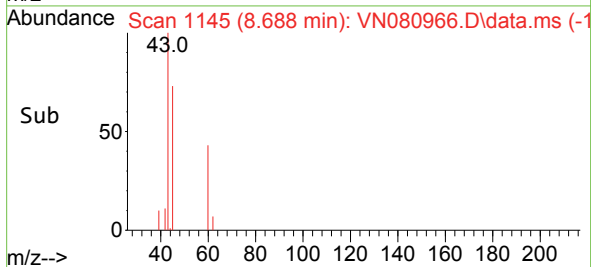
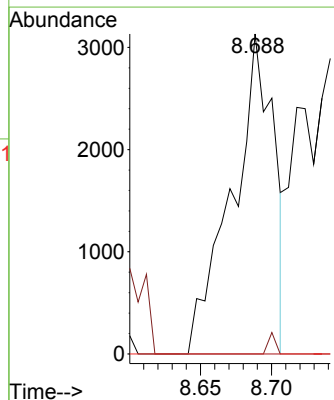
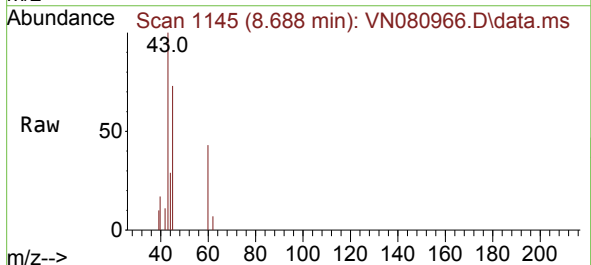


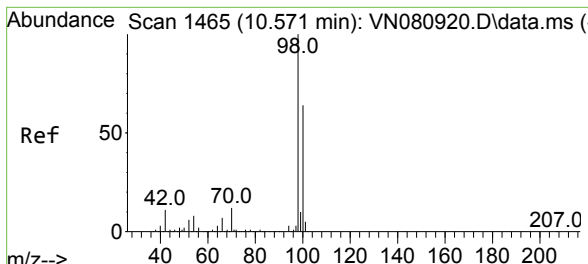
Tgt Ion:117 Resp: 38823
Ion Ratio Lower Upper
117 100
119 5.7 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 0.871 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

Tgt Ion: 43 Resp: 6396
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#

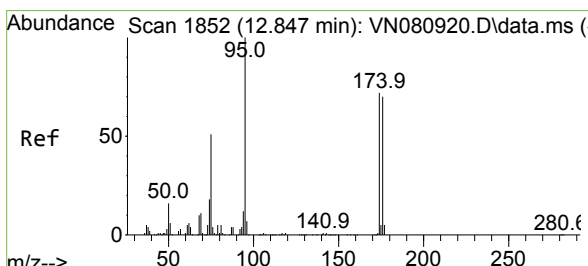
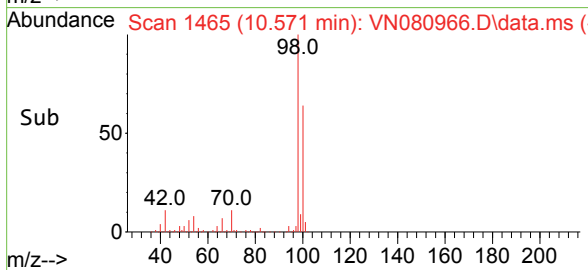
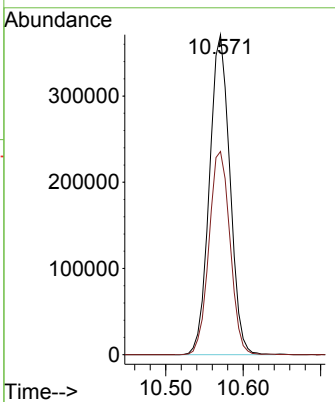
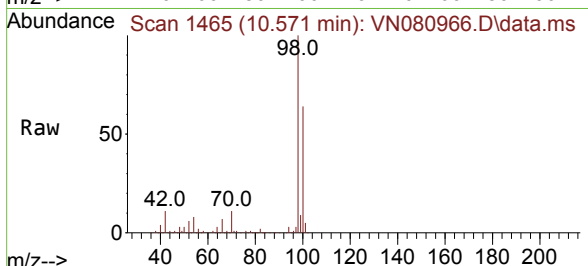




#50
Toluene-d8
Concen: 53.058 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

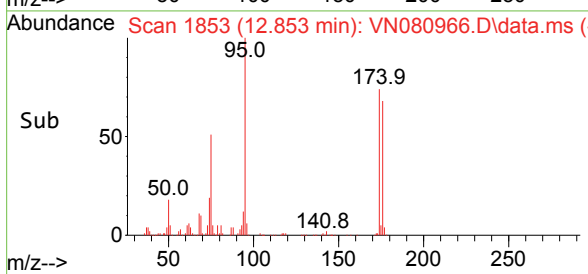
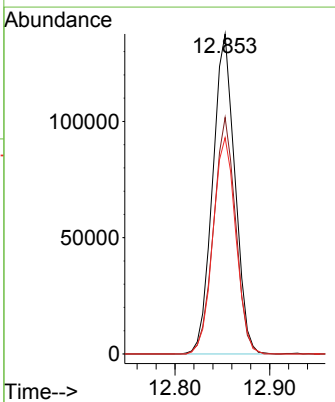
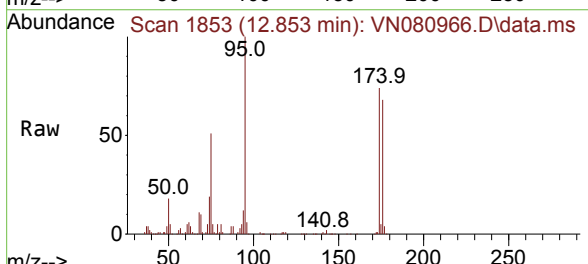
Instrument :
MSVOA_N
ClientSampleId :

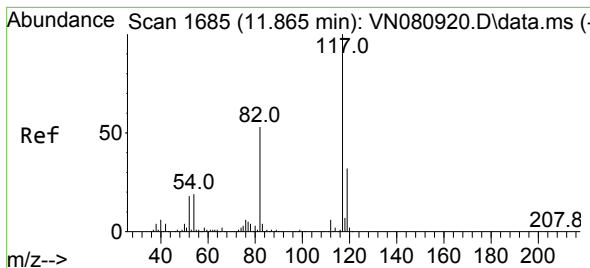
Tgt Ion:	98	Resp:	680811
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.4	77.0



#62
4-Bromofluorobenzene
Concen: 48.148 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080966.D
Acq: 08 Feb 2024 16:10

Tgt Ion:	95	Resp:	224437
Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	120.4
176	69.6	0.0	121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080966.D

Acq: 08 Feb 2024 16:10

Instrument :

MSVOA_N

ClientSampleId :

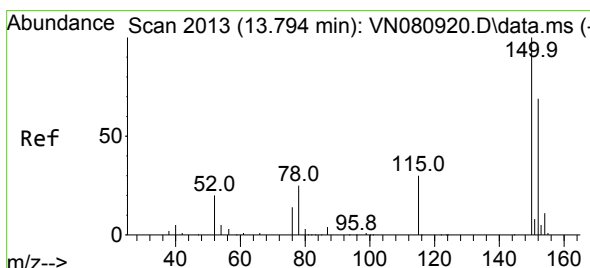
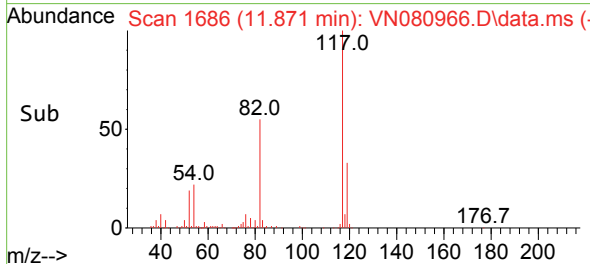
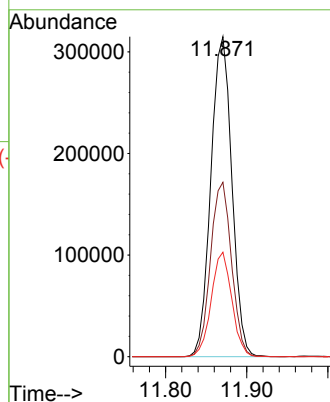
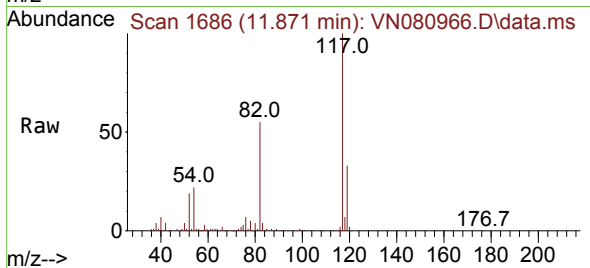
Tgt Ion:117 Resp: 565543

Ion Ratio Lower Upper

117 100

82 54.5 52.7 79.1

119 32.7 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: VN080966.D

Acq: 08 Feb 2024 16:10

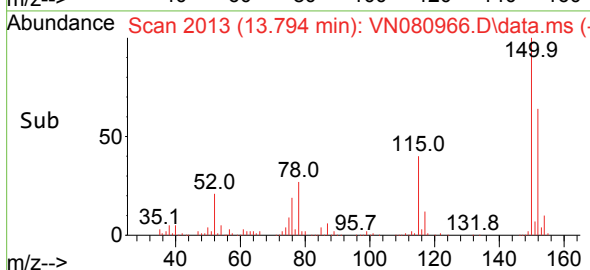
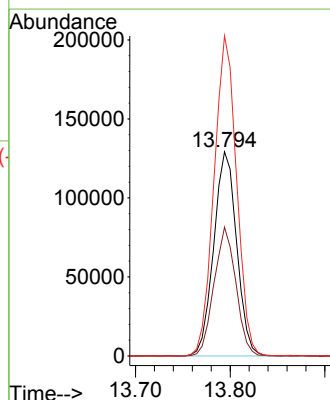
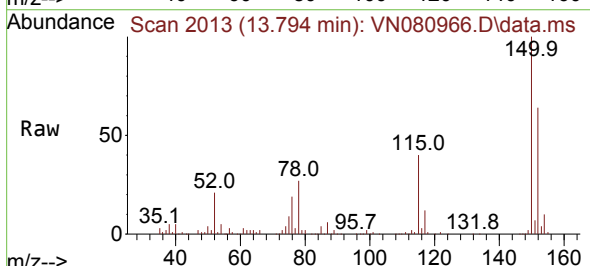
Tgt Ion:152 Resp: 217150

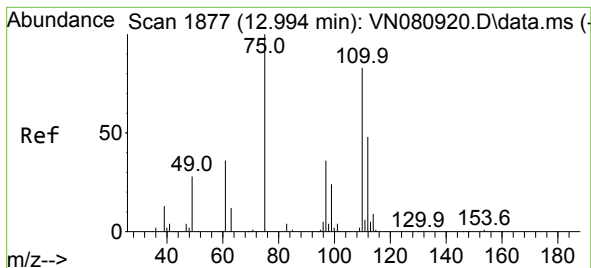
Ion Ratio Lower Upper

152 100

115 60.2 32.3 96.8

150 154.3 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 27.139 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080966.D

Acq: 08 Feb 2024 16:10

Instrument :

MSVOA_N

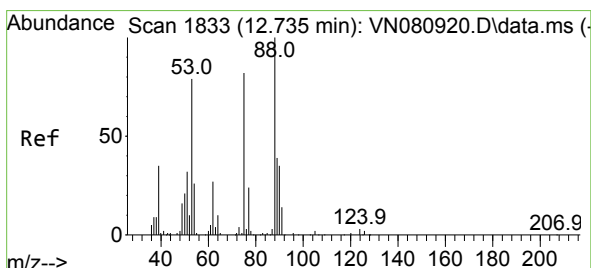
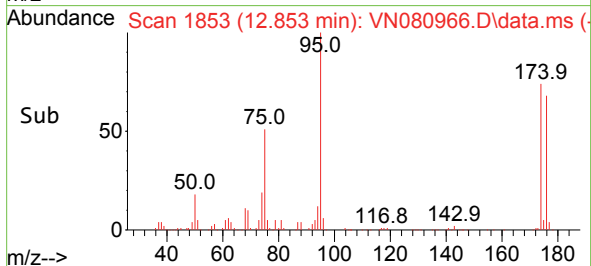
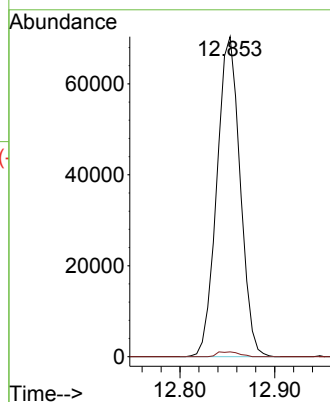
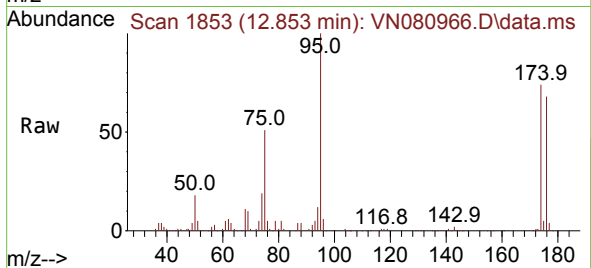
ClientSampleId :

Tgt Ion: 75 Resp: 120159

Ion Ratio Lower Upper

75 100

77 1.4 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.733 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN080966.D

Acq: 08 Feb 2024 16:10

Tgt Ion: 75 Resp: 120159

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.1 33.4 50.0#

