

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010224\
 Data File : VN080626.D
 Acq On : 02 Jan 2024 15:43
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 03 01:46:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 2023
 Response via : Initial Calibration

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

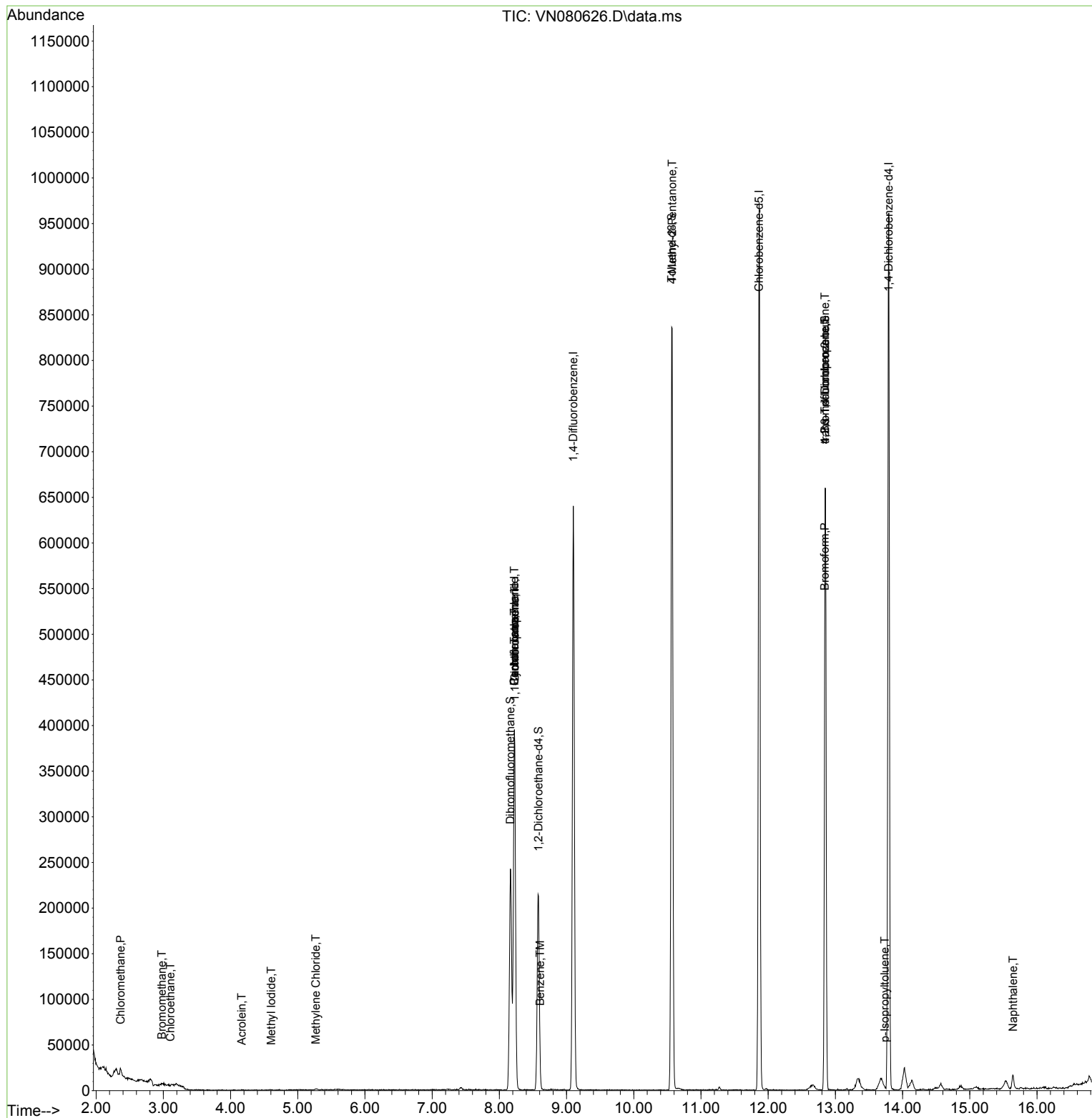
Internal Standards						
1) Pentafluorobenzene	8.224	168	286434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	560476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	588614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	266428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	184253	50.148	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.300%			
35) Dibromofluoromethane	8.165	113	168838	46.577	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.160%			
50) Toluene-d8	10.565	98	620211	49.004	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.000%			
62) 4-Bromofluorobenzene	12.847	95	249563	58.590	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.180%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	14238	3.006	ug/l	98
5) Bromomethane	2.977	94	1445	1.074	ug/l #	66
6) Chloroethane	3.106	64	495	0.224	ug/l #	43
10) Methyl Iodide	4.606	142	524	0.275	ug/l #	38
13) Acrolein	4.165	56	224	0.401	ug/l	88
20) Methylene Chloride	5.271	84	947	0.297	ug/l #	78
31) Cyclohexane	8.224	56	4971	1.000	ug/l #	14
36) 1,1-Dichloropropene	8.229	75	22535	4.039	ug/l #	48
38) Carbon Tetrachloride	8.224	117	31179	5.463	ug/l #	15
40) Benzene	8.606	78	57	0.375	ug/l #	52
51) 4-Methyl-2-Pentanone	10.571	43	2077	0.535	ug/l #	1
71) Bromoform	12.841	173	1147	0.344	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	125889	21.968	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	125889	59.507	ug/l #	15
86) p-Isopropyltoluene	13.735	119	69	0.459	ug/l #	50
95) Naphthalene	15.647	128	13133	0.949	ug/l	97

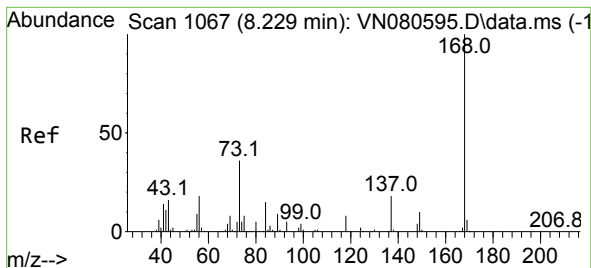
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN080626.D

Acq: 02 Jan 2024 15:43

Instrument :

MSVOA_N

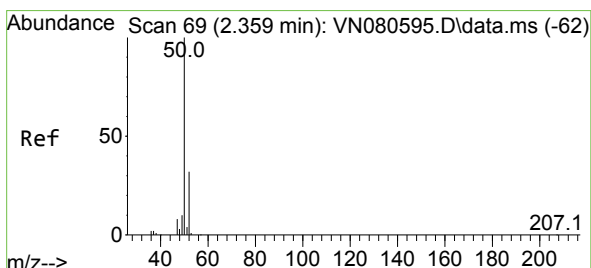
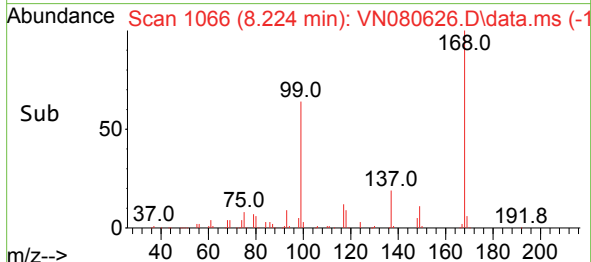
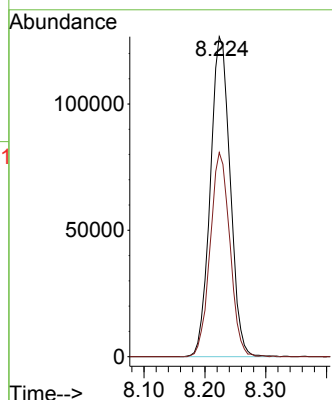
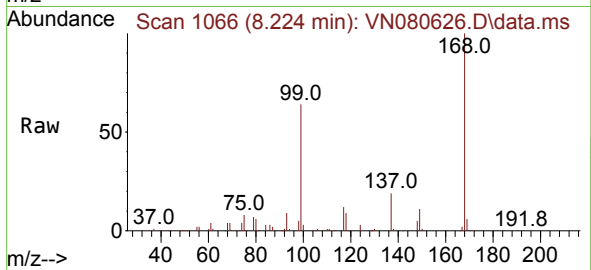
ClientSampleId :

Tgt Ion:168 Resp: 286434

Ion Ratio Lower Upper

168 100

99 63.8 53.0 79.6



#3

Chloromethane

Concen: 3.006 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080626.D

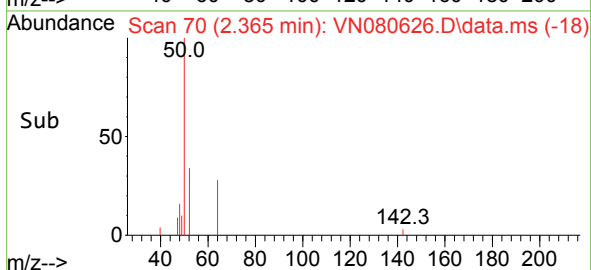
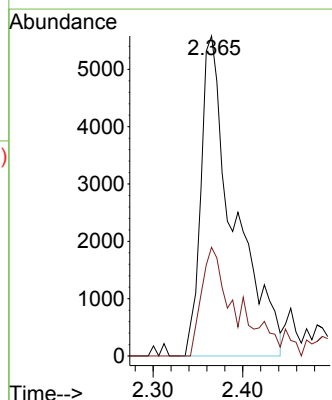
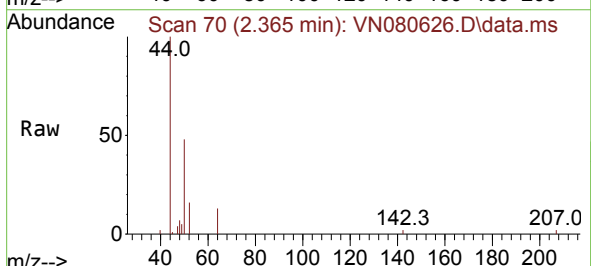
Acq: 02 Jan 2024 15:43

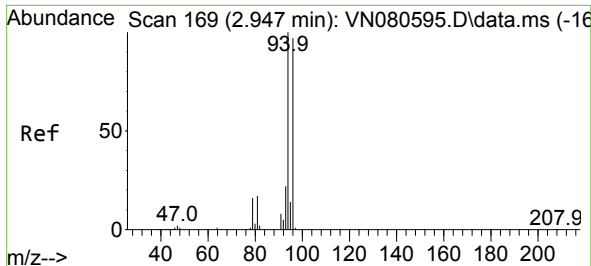
Tgt Ion: 50 Resp: 14238

Ion Ratio Lower Upper

50 100

52 34.0 26.5 39.7

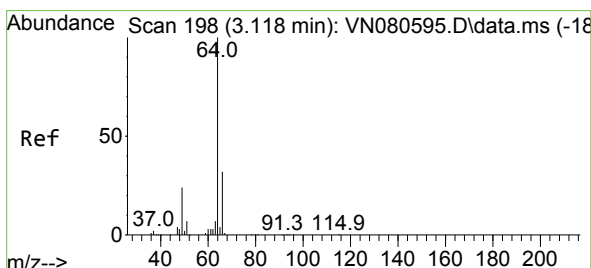
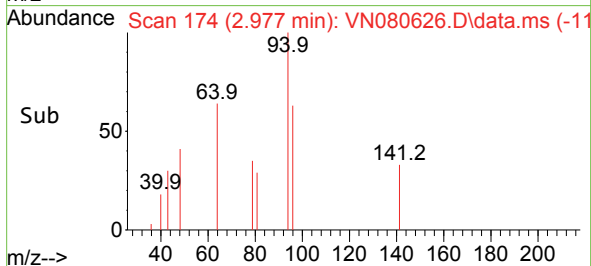
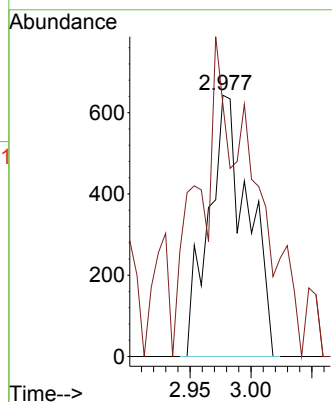
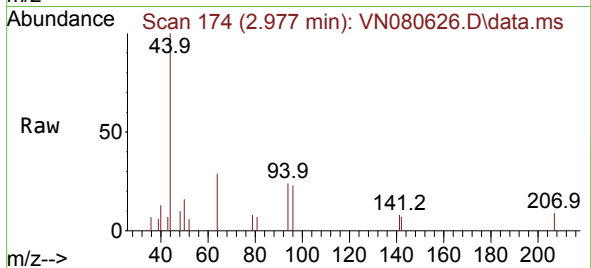




#5
Bromomethane
Concen: 1.074 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN080626.D
Acq: 02 Jan 2024 15:43

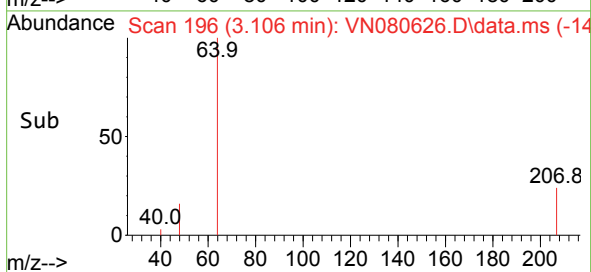
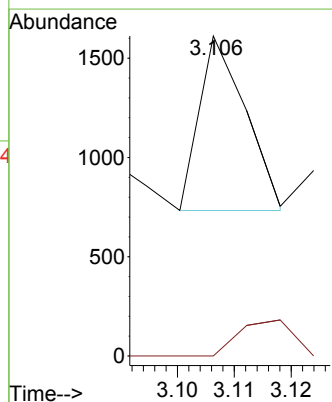
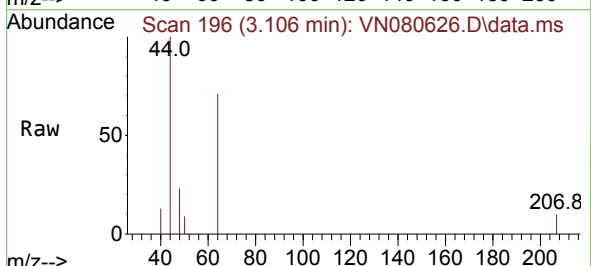
Instrument :
MSVOA_N
ClientSampleId :

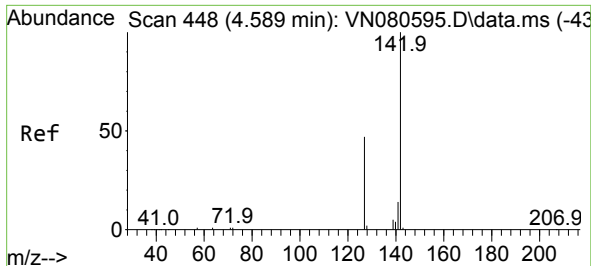
Tgt Ion: 94 Resp: 1445
Ion Ratio Lower Upper
94 100
96 58.8 73.1 109.7#



#6
Chloroethane
Concen: 0.224 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN080626.D
Acq: 02 Jan 2024 15:43

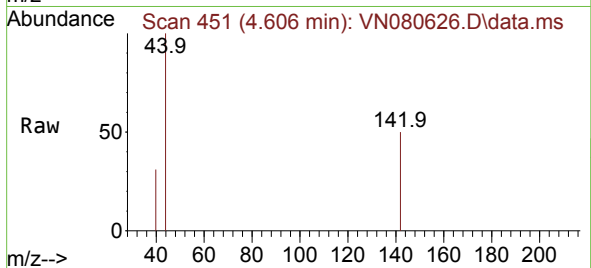
Tgt Ion: 64 Resp: 495
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



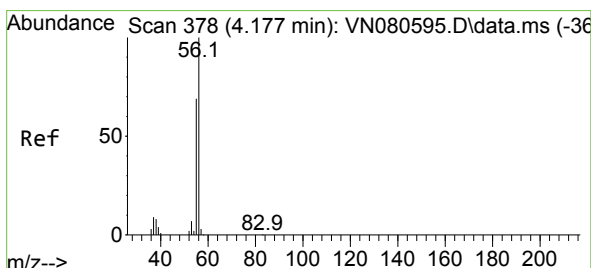
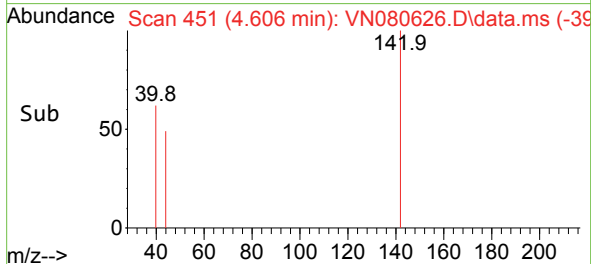
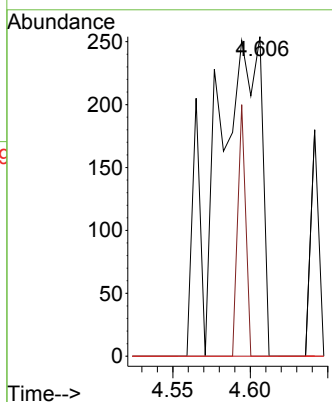


#10
Methyl Iodide
Concen: 0.275 ug/l
RT: 4.606 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN080626.D
Acq: 02 Jan 2024 15:43

Instrument :
MSVOA_N
ClientSampleId :

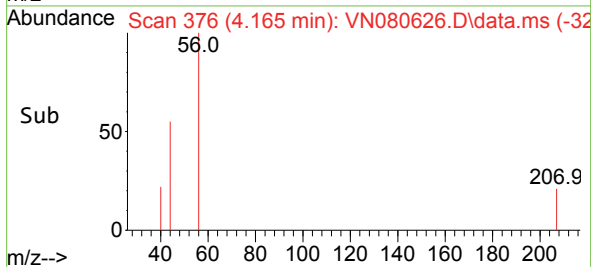
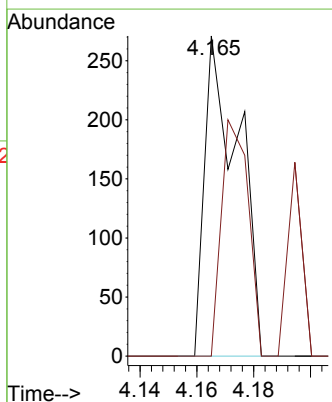
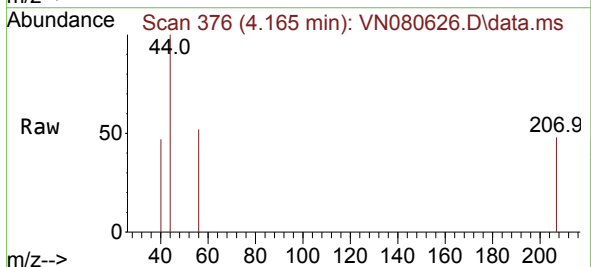


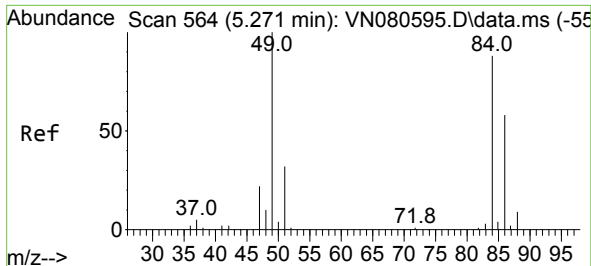
Tgt Ion:142 Resp: 524
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 0.401 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.012 min
Lab File: VN080626.D
Acq: 02 Jan 2024 15:43

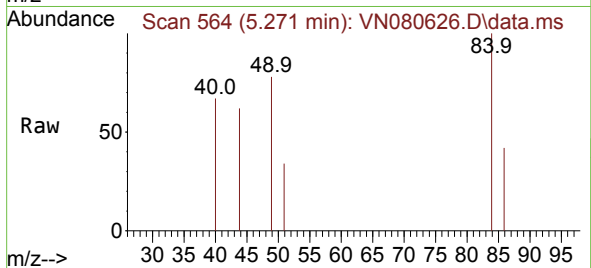
Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 58.5 54.5 81.7





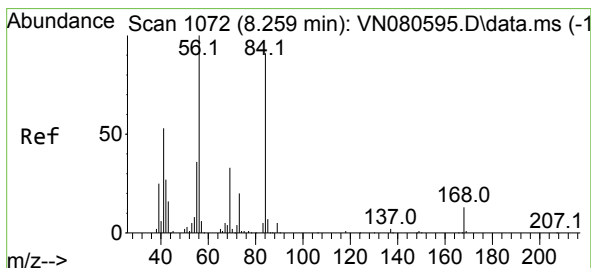
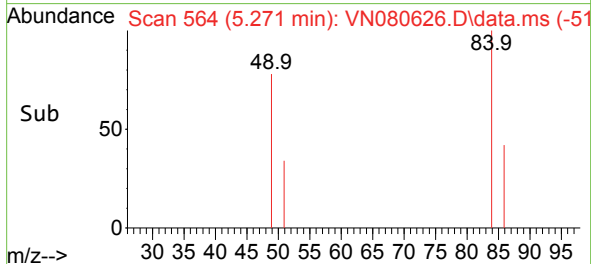
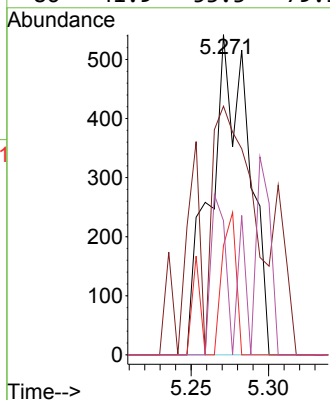
#20
Methylene Chloride
Concen: 0.297 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080626.D
Acq: 02 Jan 2024 15:43

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 947

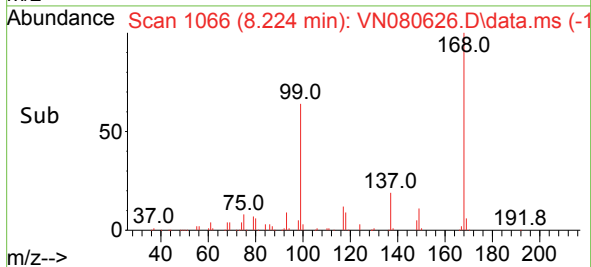
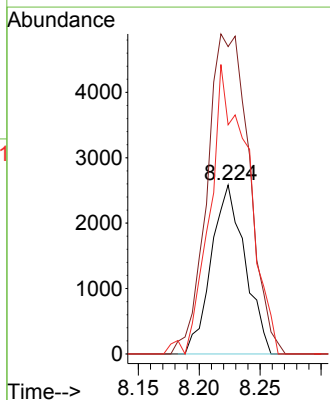
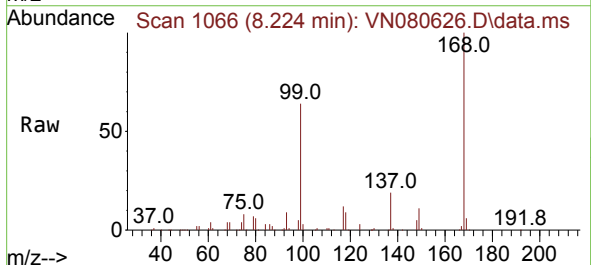
Ion	Ratio	Lower	Upper
84	100		
49	77.7	79.7	119.5#
51	34.1	25.2	37.8
86	41.9	53.3	79.9#

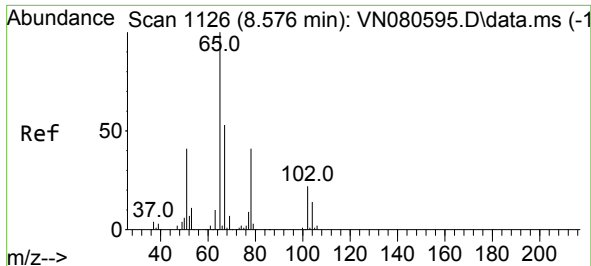


#31
Cyclohexane
Concen: 1.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080626.D
Acq: 02 Jan 2024 15:43

Tgt Ion: 56 Resp: 4971

Ion	Ratio	Lower	Upper
56	100		
69	175.6	26.8	40.2#
84	135.6	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 50.148 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080626.D

Acq: 02 Jan 2024 15:43

Instrument :

MSVOA_N

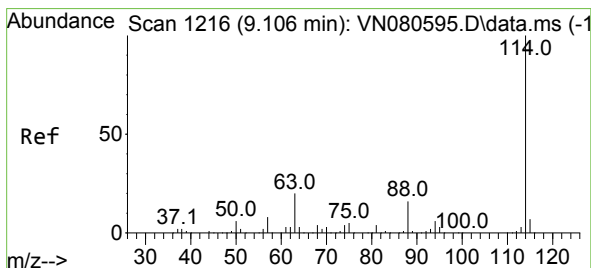
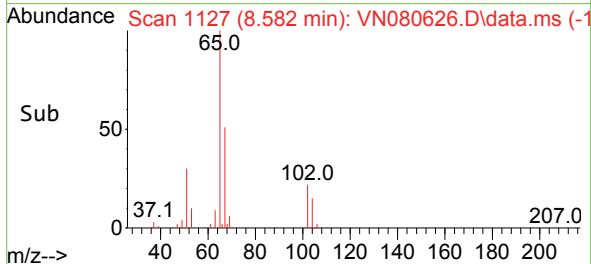
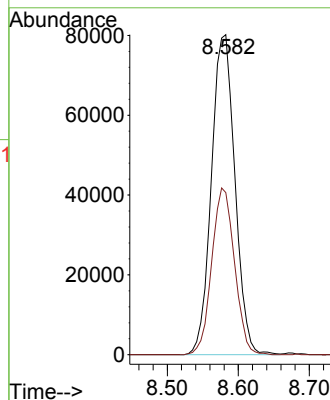
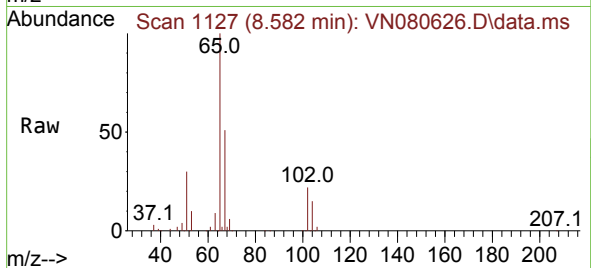
ClientSampleId :

Tgt Ion: 65 Resp: 184253

Ion Ratio Lower Upper

65 100

67 50.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080626.D

Acq: 02 Jan 2024 15:43

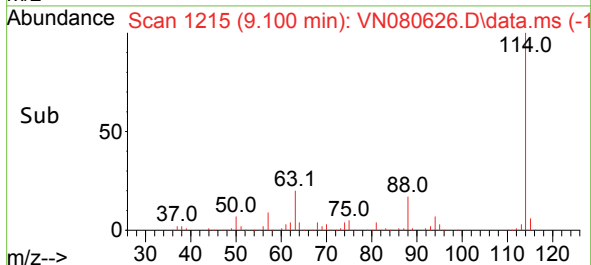
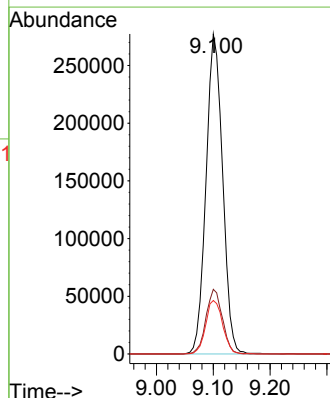
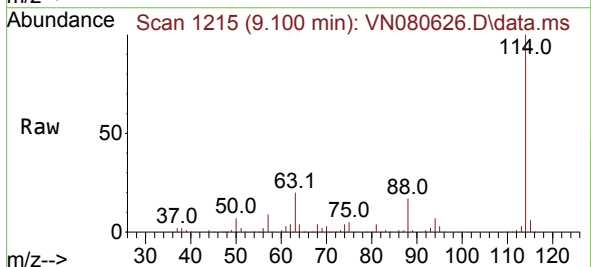
Tgt Ion: 114 Resp: 560476

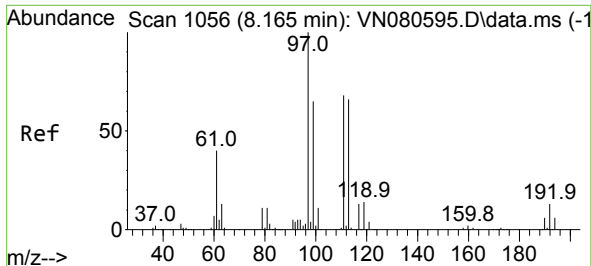
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 16.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.577 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

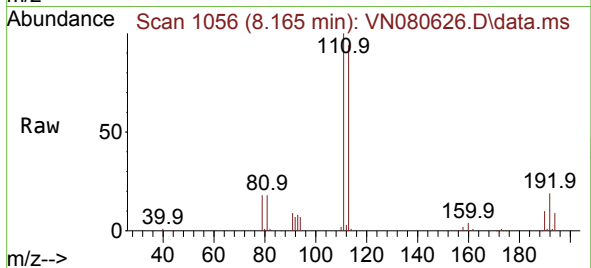
Lab File: VN080626.D

Acq: 02 Jan 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :



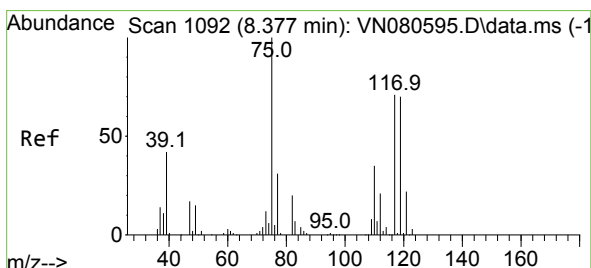
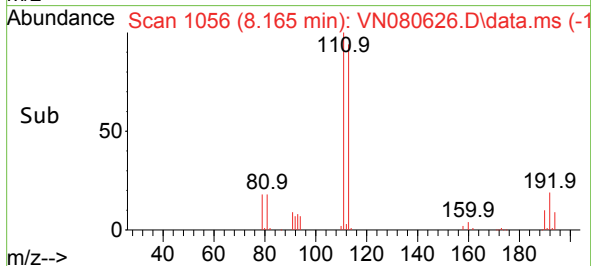
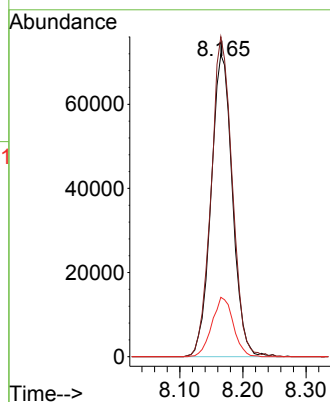
Tgt Ion:113 Resp: 168838

Ion Ratio Lower Upper

113 100

111 104.8 82.6 123.8

192 19.7 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 4.039 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN080626.D

Acq: 02 Jan 2024 15:43

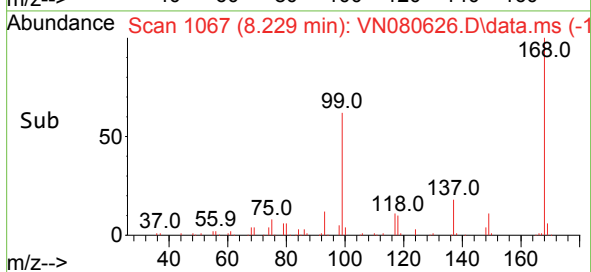
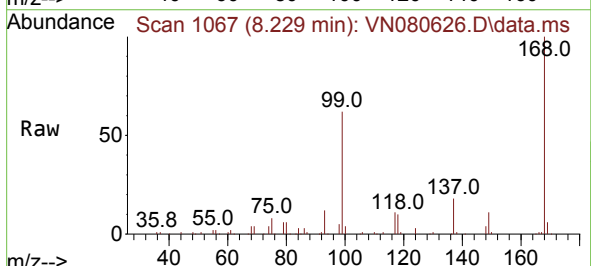
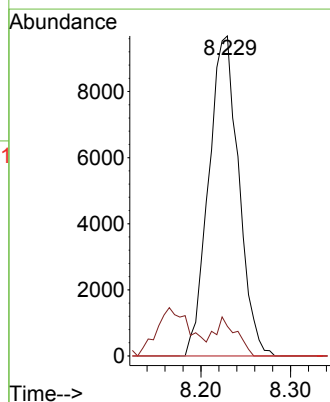
Tgt Ion: 75 Resp: 22535

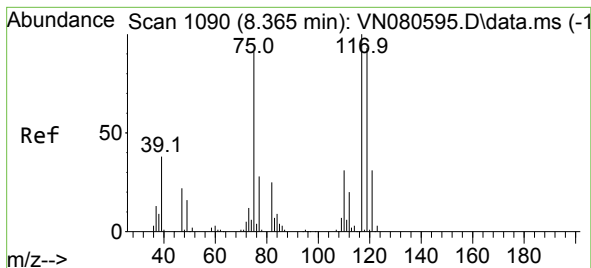
Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.463 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

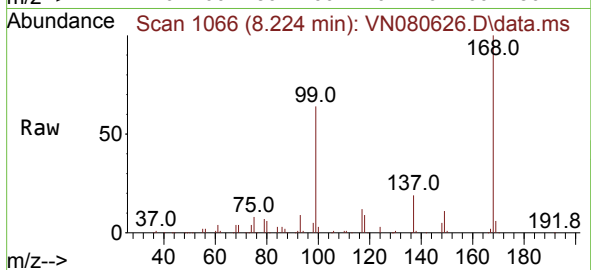
Lab File: VN080626.D

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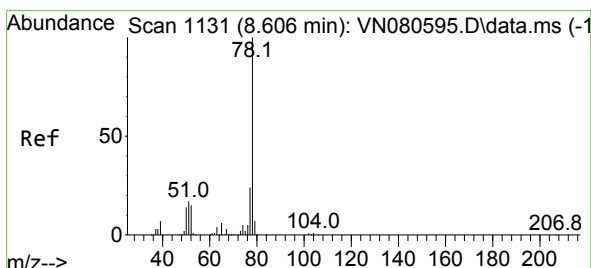
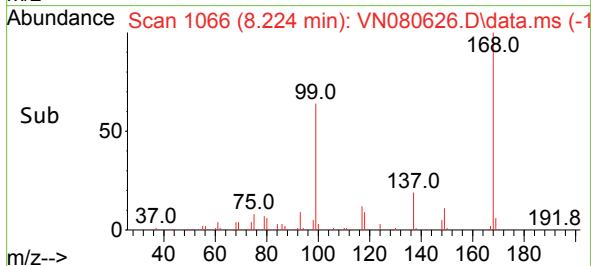
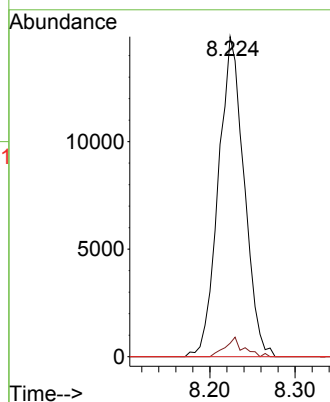
Tgt Ion:117 Resp: 31179

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

121 0.0 23.3 34.9#



#40

Benzene

Concen: 0.375 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN080626.D

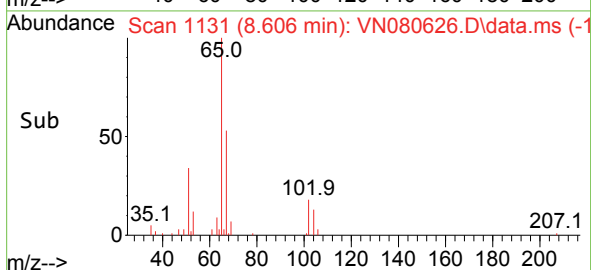
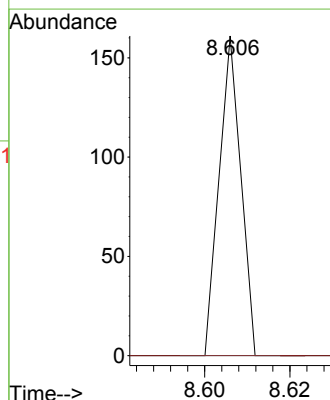
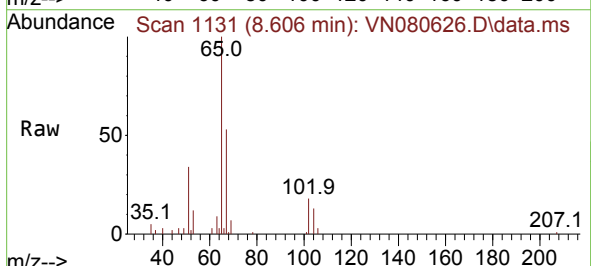
Acq: 02 Jan 2024 15:43

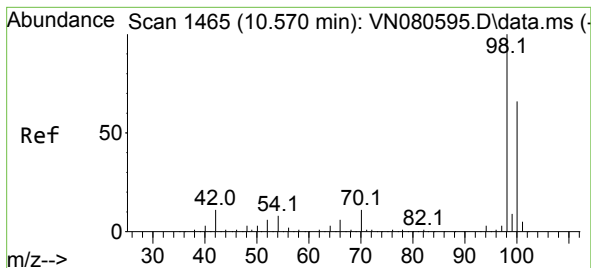
Tgt Ion: 78 Resp: 57

Ion Ratio Lower Upper

78 100

77 0.0 19.0 28.6#





#50

Toluene-d8

Concen: 49.004 ug/l

RT: 10.565 min Scan# 1465

Delta R.T. -0.006 min

Lab File: VN080626.D

Acq: 02 Jan 2024 15:43

Instrument :

MSVOA_N

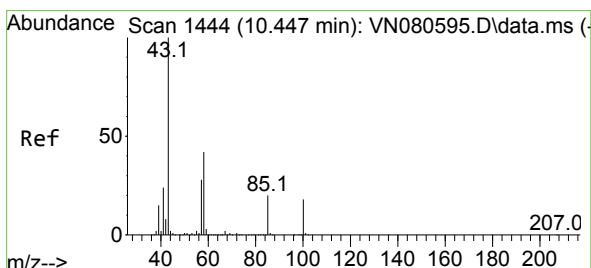
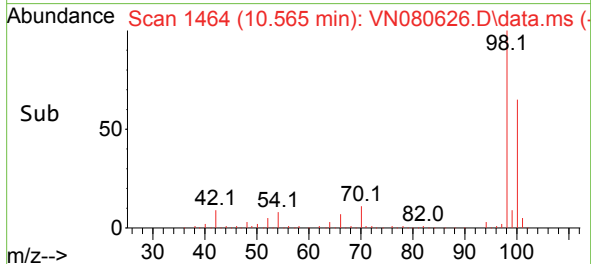
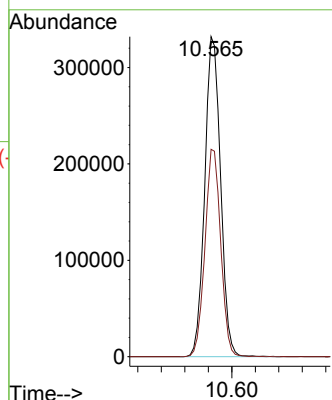
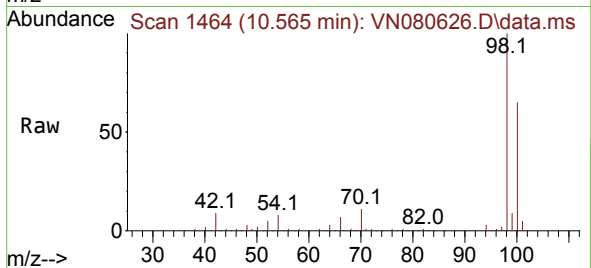
ClientSampleId :

Tgt Ion: 98 Resp: 620211

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.535 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.124 min

Lab File: VN080626.D

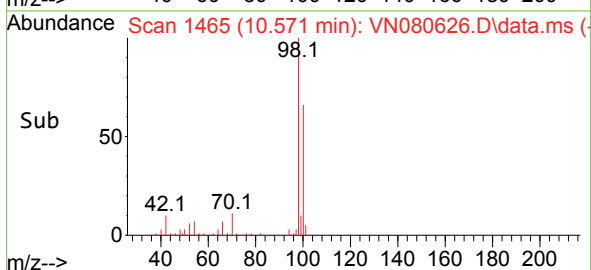
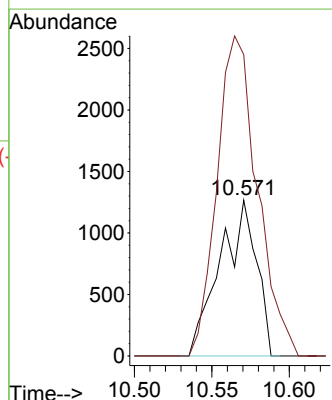
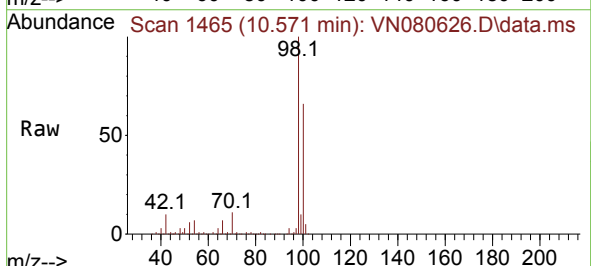
Acq: 02 Jan 2024 15:43

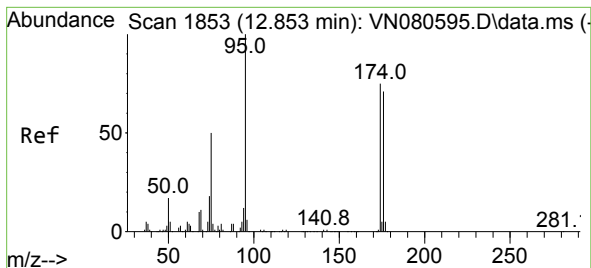
Tgt Ion: 43 Resp: 2077

Ion Ratio Lower Upper

43 100

58 226.7 36.6 54.8#





#62

4-Bromofluorobenzene

Concen: 58.590 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.006 min

Lab File: VN080626.D

Acq: 02 Jan 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :

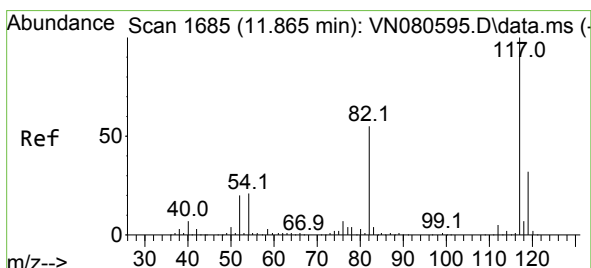
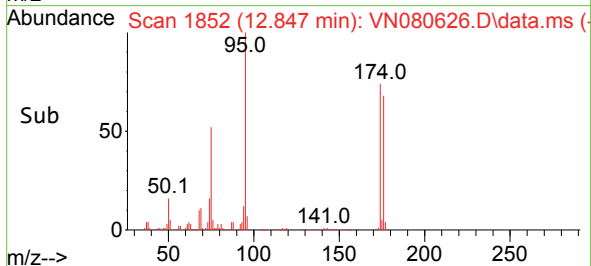
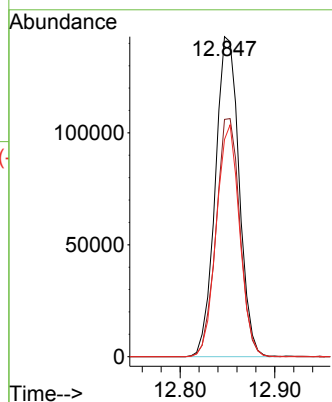
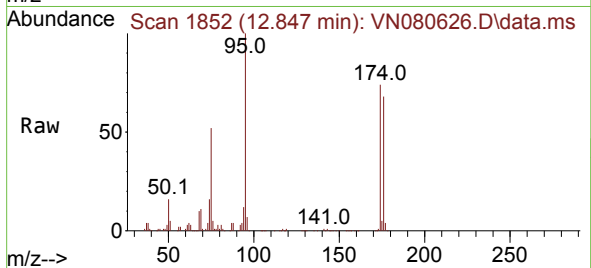
Tgt Ion: 95 Resp: 249563

Ion Ratio Lower Upper

95 100

174 74.4 0.0 143.8

176 70.8 0.0 135.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN080626.D

Acq: 02 Jan 2024 15:43

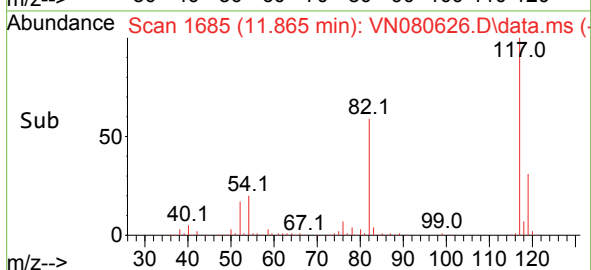
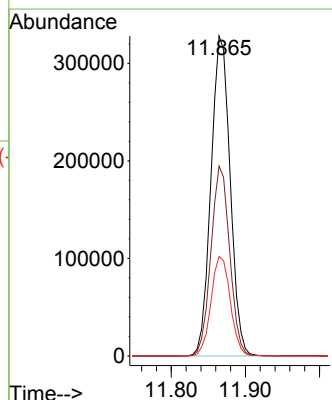
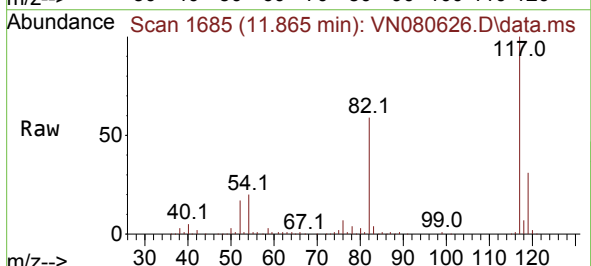
Tgt Ion: 117 Resp: 588614

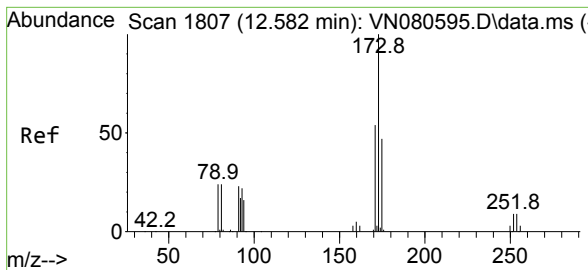
Ion Ratio Lower Upper

117 100

82 59.4 44.0 66.0

119 31.1 25.6 38.4





#71

Bromoform

Concen: 0.344 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.259 min

Lab File: VN080626.D

Acq: 02 Jan 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :

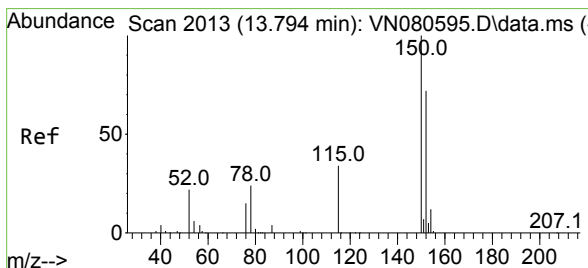
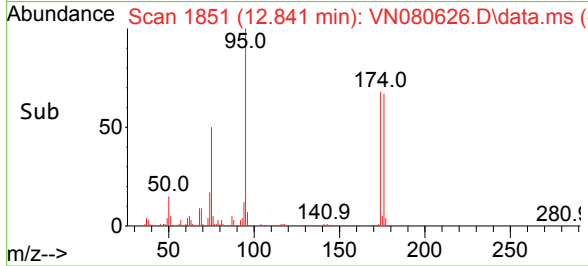
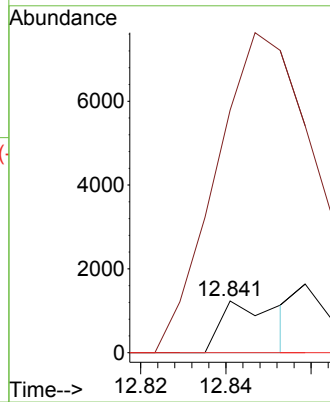
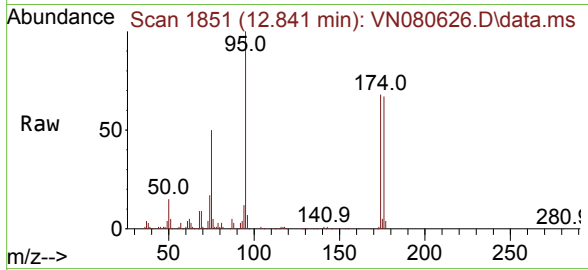
Tgt Ion:173 Resp: 1147

Ion Ratio Lower Upper

173 100

175 938.5 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080626.D

Acq: 02 Jan 2024 15:43

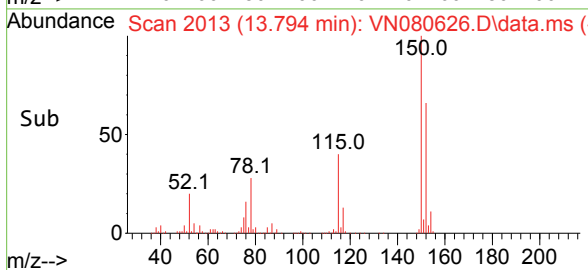
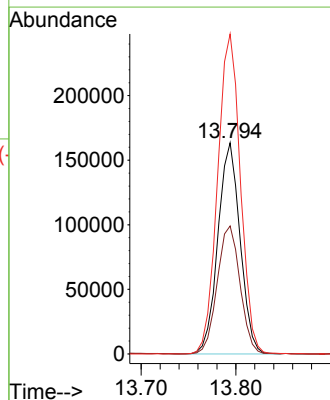
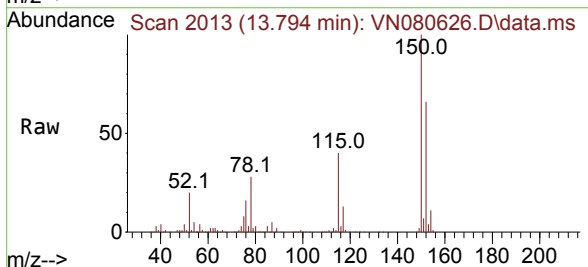
Tgt Ion:152 Resp: 266428

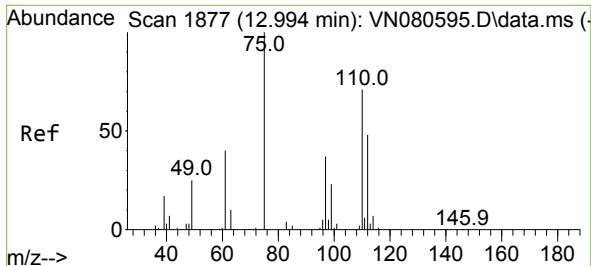
Ion Ratio Lower Upper

152 100

115 62.4 32.3 96.8

150 155.4 0.0 355.8

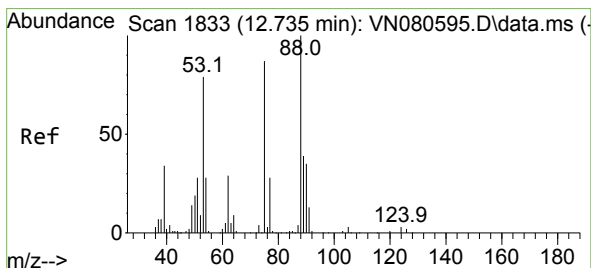
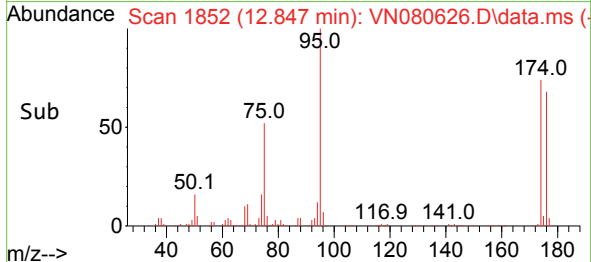
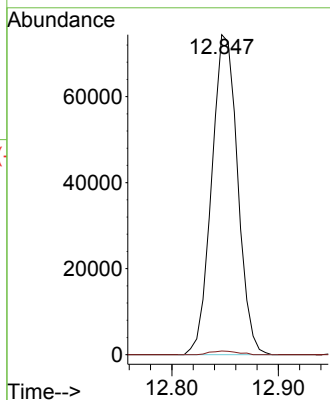
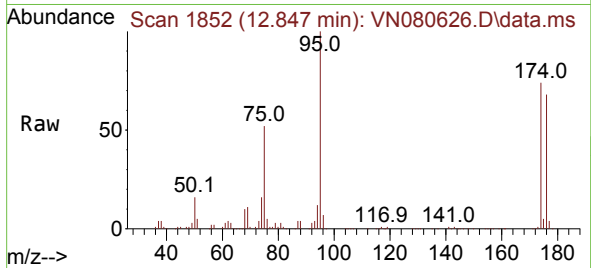




#76
1,2,3-Trichloropropane
Concen: 21.968 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080626.D
Acq: 02 Jan 2024 15:43

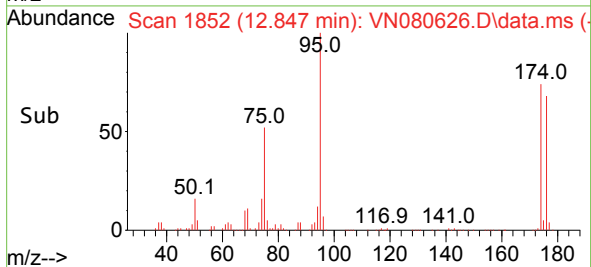
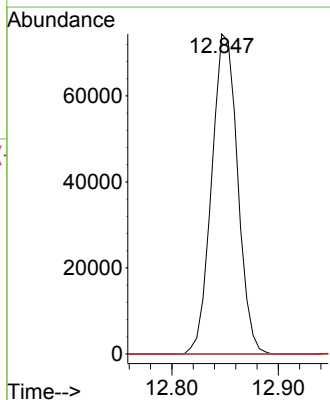
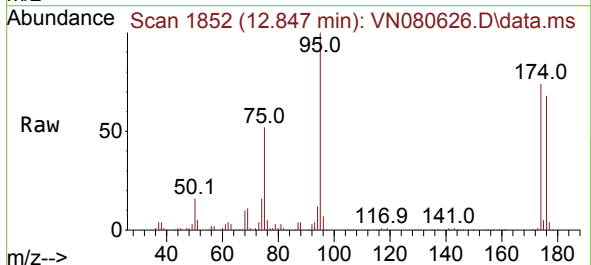
Instrument :
MSVOA_N
ClientSampleId :

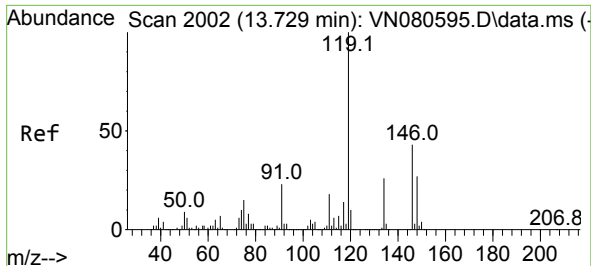
Tgt Ion: 75 Resp: 125889
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.507 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080626.D
Acq: 02 Jan 2024 15:43

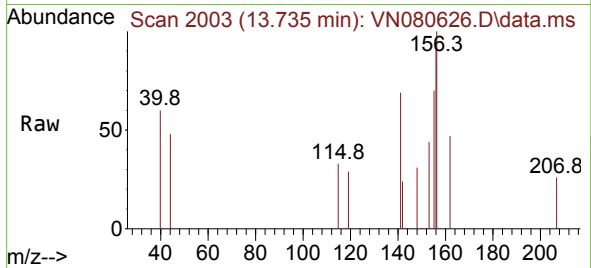
Tgt Ion: 75 Resp: 125889
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



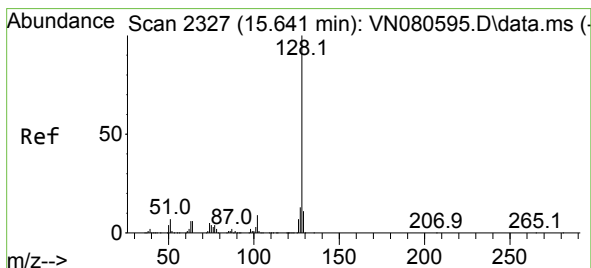
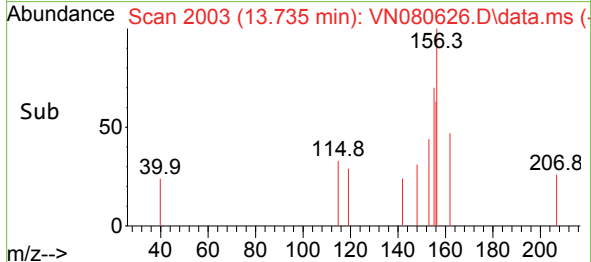
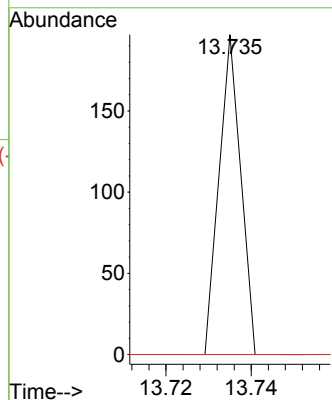


#86
p-Isopropyltoluene
Concen: 0.459 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN080626.D
Acq: 02 Jan 2024 15:43

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:119 Resp: 69
Ion Ratio Lower Upper
119 100
134 0.0 12.6 37.8#
91 0.0 12.4 37.2#



#95
Naphthalene
Concen: 0.949 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080626.D
Acq: 02 Jan 2024 15:43

Tgt Ion:128 Resp: 13133
Ion Ratio Lower Upper
128 100
127 14.1 10.0 15.0
129 11.2 8.7 13.1

