

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041624\
 Data File : VN081749.D
 Acq On : 16 Apr 2024 11:05
 Operator : JC\MD
 Sample : VN0416MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 17 03:21:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:37:39 2024
 Response via : Initial Calibration

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

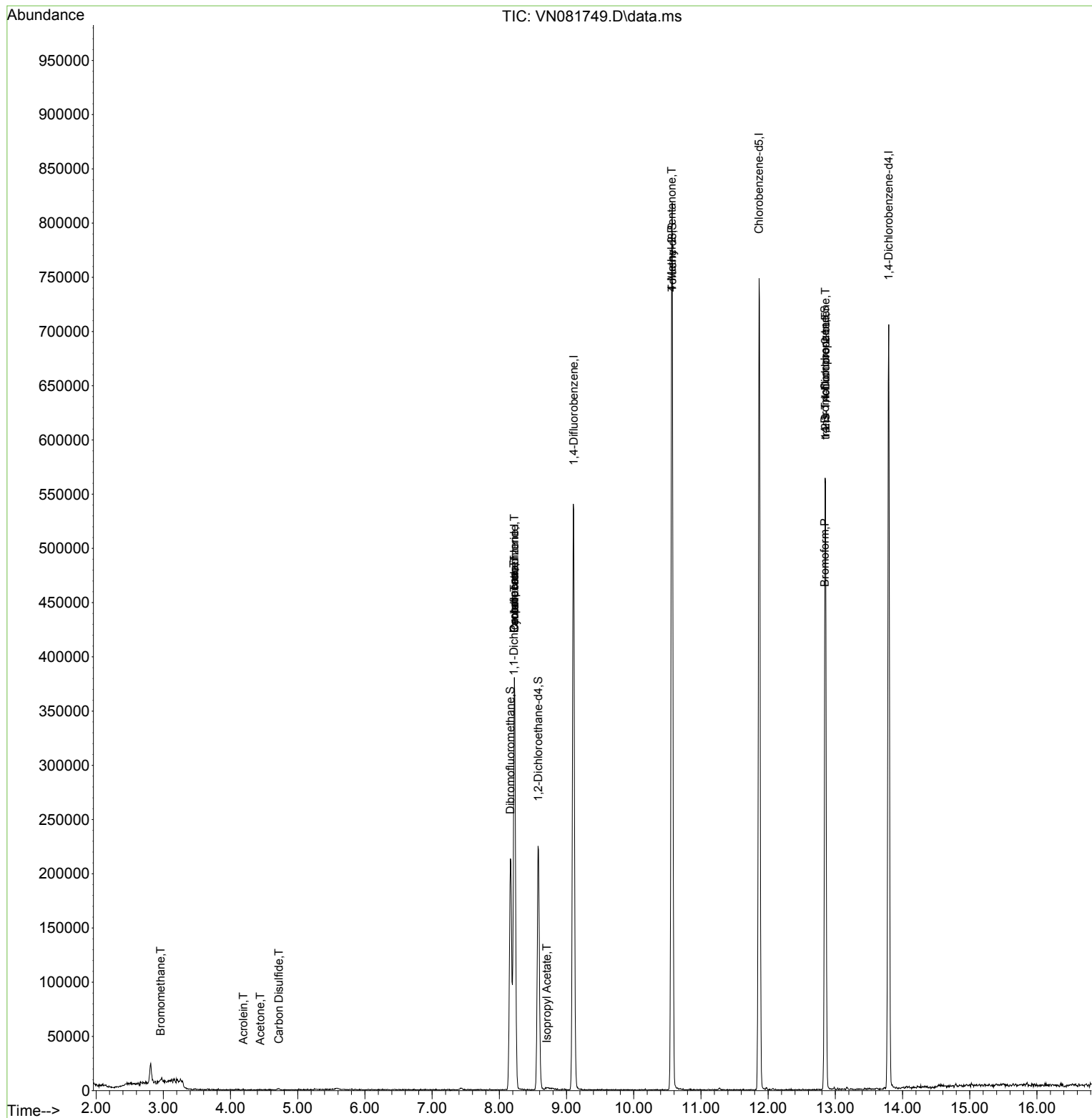
Internal Standards						
1) Pentafluorobenzene	8.224	168	266546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	470854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	430022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	186659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	183069	48.809	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	97.620%	
35) Dibromofluoromethane	8.165	113	154665	49.743	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.480%	
50) Toluene-d8	10.571	98	576375	50.319	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	100.640%	
62) 4-Bromofluorobenzene	12.847	95	198092	50.608	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	=	101.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	721	Below Cal	#	43
5) Bromomethane	2.959	94	1709	0.685	ug/l #	76
6) Chloroethane	3.124	64	327	Below Cal	#	44
13) Acrolein	4.189	56	352	0.647	ug/l #	35
16) Acetone	4.442	43	229	0.219	ug/l #	43
17) Carbon Disulfide	4.718	76	2101	0.228	ug/l #	74
20) Methylene Chloride	5.271	84	115	Below Cal	#	42
31) Cyclohexane	8.224	56	6439	1.251	ug/l #	10
36) 1,1-Dichloropropene	8.218	75	23095	5.331	ug/l #	50
38) Carbon Tetrachloride	8.224	117	28739	5.702	ug/l #	16
43) Isopropyl Acetate	8.706	43	1537	0.231	ug/l #	52
51) 4-Methyl-2-Pentanone	10.565	43	2665	0.721	ug/l #	1
71) Bromoform	12.841	173	929	0.357	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	104999	29.364	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	104999	68.829	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.712	75	69	Below Cal	#	2

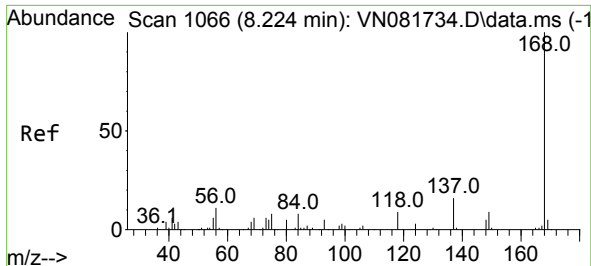
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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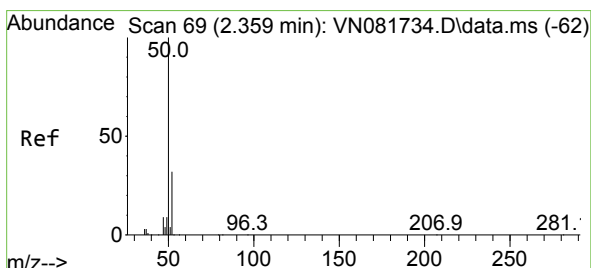
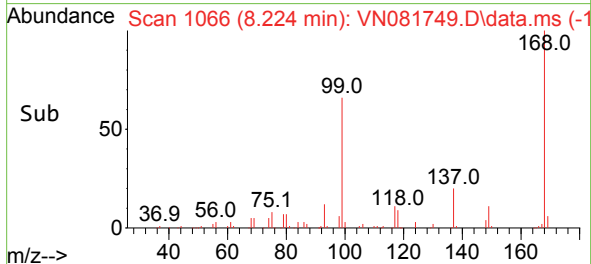
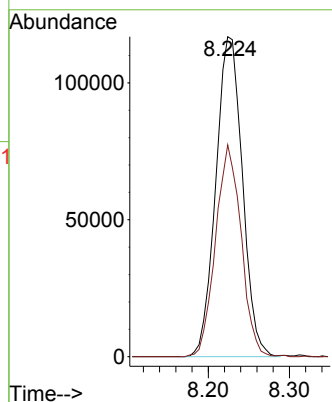
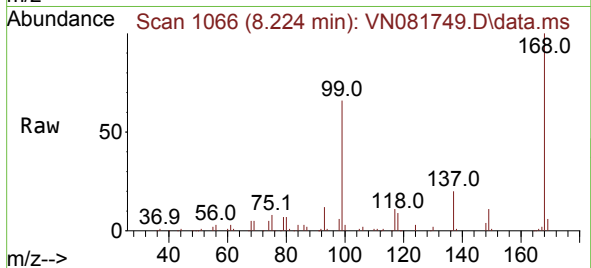




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05

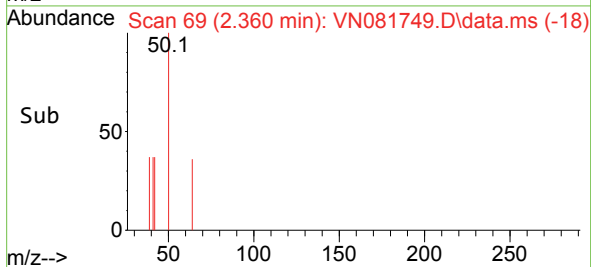
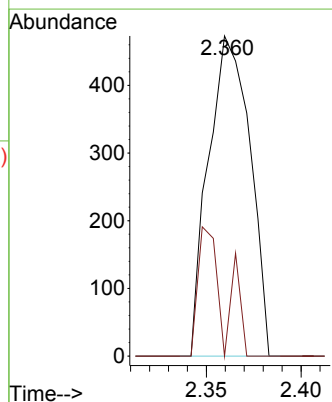
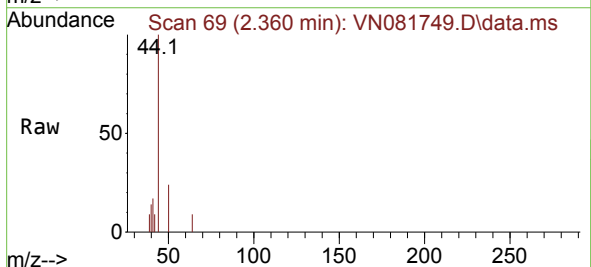
Instrument :
MSVOA_N
ClientSampleId :

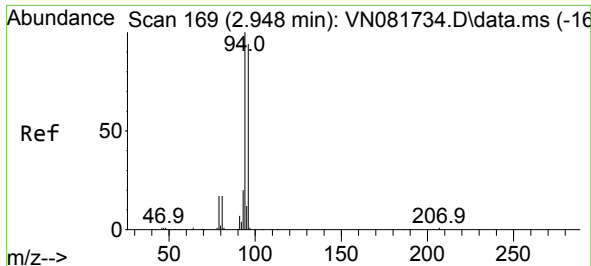
Tgt Ion:168 Resp: 266546
Ion Ratio Lower Upper
168 100
99 66.2 48.2 72.4



#3
Chloromethane
Concen: Below Cal
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05

Tgt Ion: 50 Resp: 721
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#5

Bromomethane

Concen: 0.685 ug/l

RT: 2.959 min Scan# 1

Delta R.T. 0.011 min

Lab File: VN081749.D

Acq: 16 Apr 2024 11:05

Instrument :

MSVOA_N

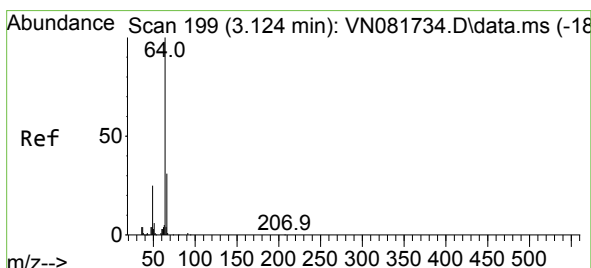
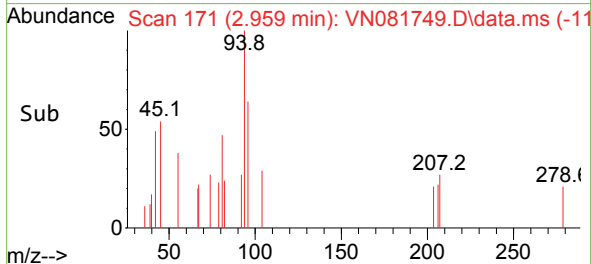
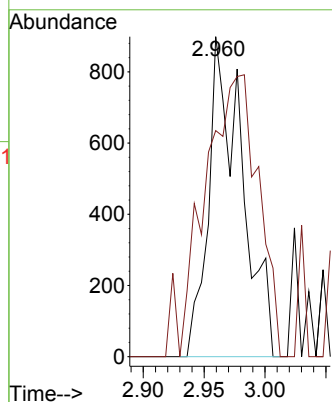
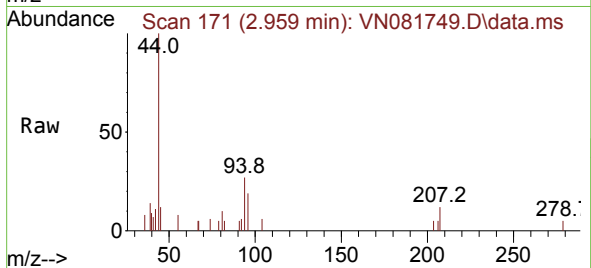
ClientSampleId :

Tgt Ion: 94 Resp: 1709

Ion Ratio Lower Upper

94 100

96 70.6 74.8 112.2#



#6

Chloroethane

Concen: Below Cal

RT: 3.124 min Scan# 199

Delta R.T. 0.000 min

Lab File: VN081749.D

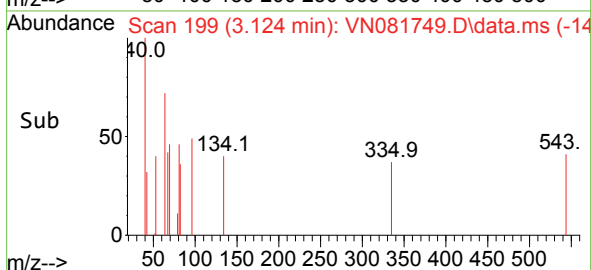
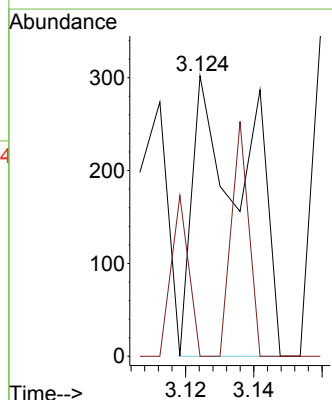
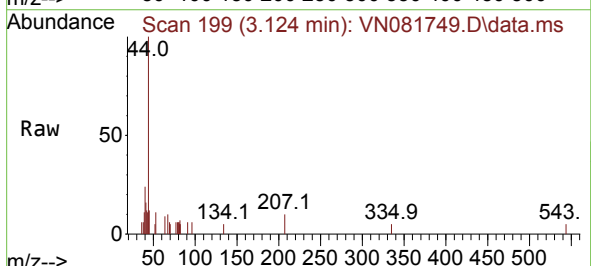
Acq: 16 Apr 2024 11:05

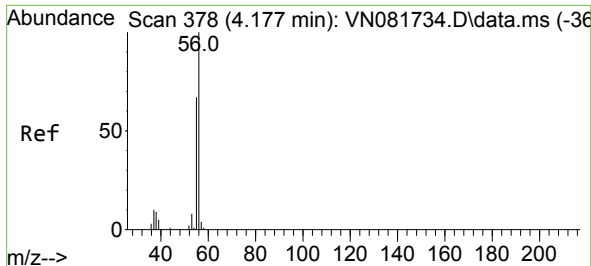
Tgt Ion: 64 Resp: 327

Ion Ratio Lower Upper

64 100

66 0.0 24.7 37.1#





#13

Acrolein

Concen: 0.647 ug/l

RT: 4.189 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN081749.D

Acq: 16 Apr 2024 11:05

Instrument :

MSVOA_N

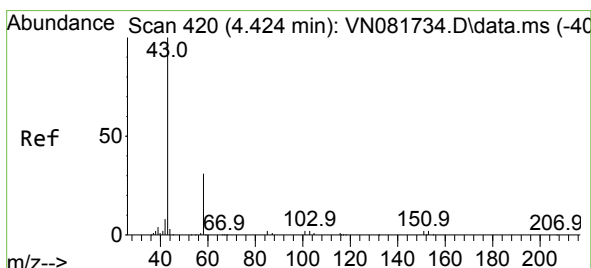
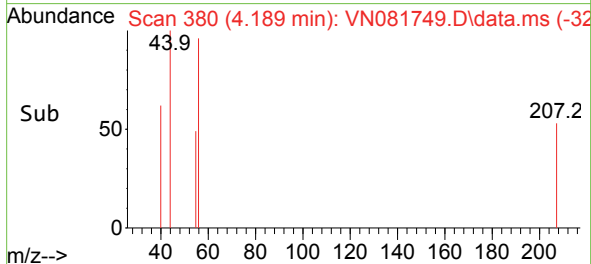
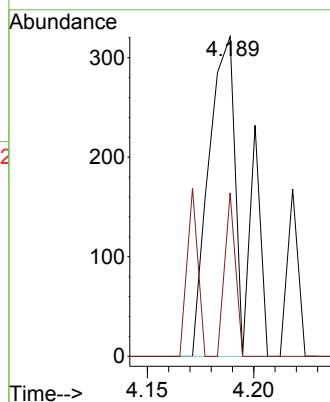
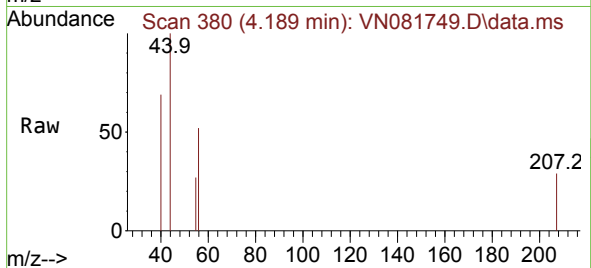
ClientSampleId :

Tgt Ion: 56 Resp: 352

Ion Ratio Lower Upper

56 100

55 16.5 55.8 83.8#



#16

Acetone

Concen: 0.219 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.018 min

Lab File: VN081749.D

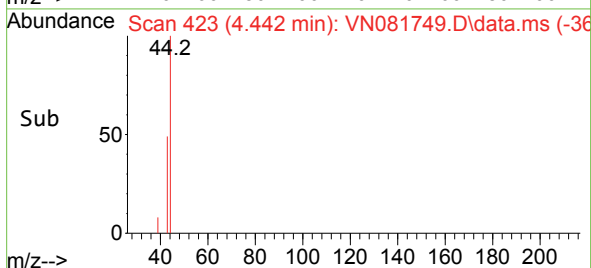
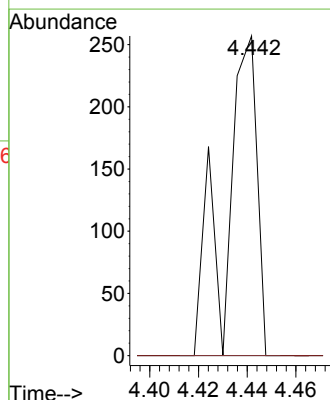
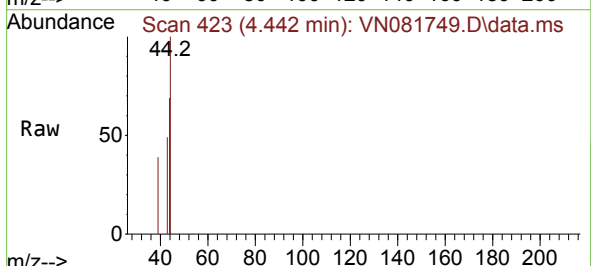
Acq: 16 Apr 2024 11:05

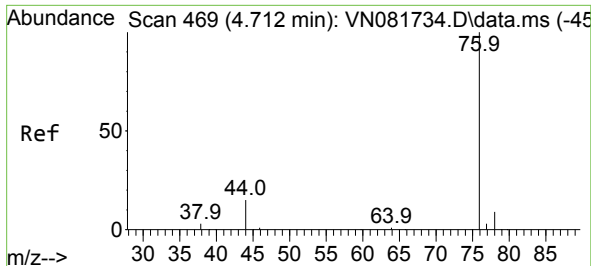
Tgt Ion: 43 Resp: 229

Ion Ratio Lower Upper

43 100

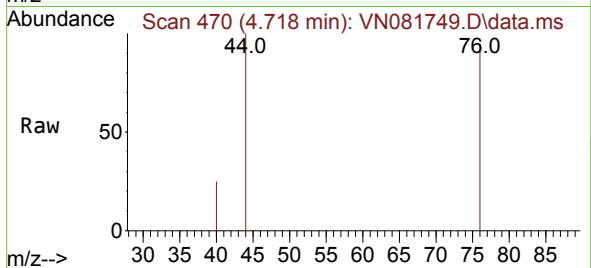
58 0.0 25.2 37.8#



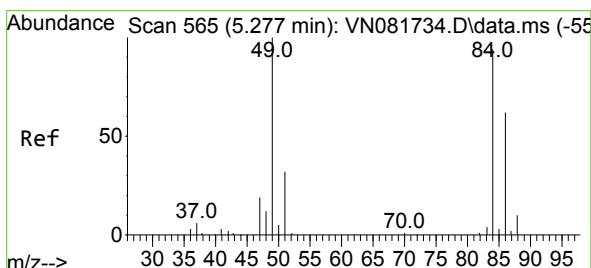
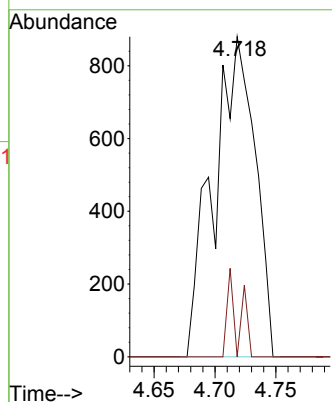
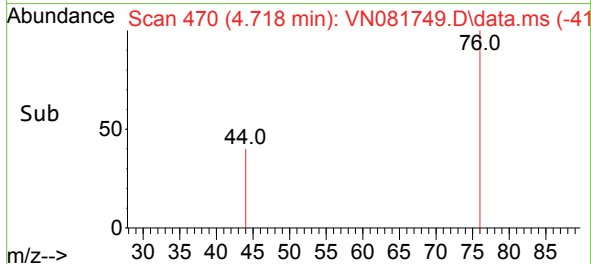


#17
Carbon Disulfide
Concen: 0.228 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05

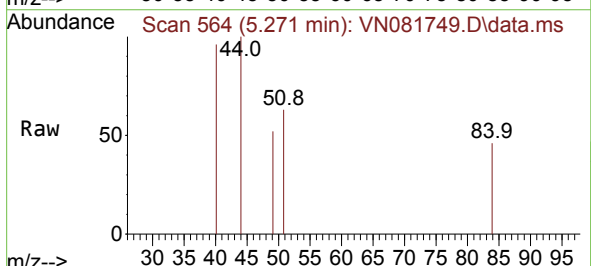
Instrument :
MSVOA_N
ClientSampleId :



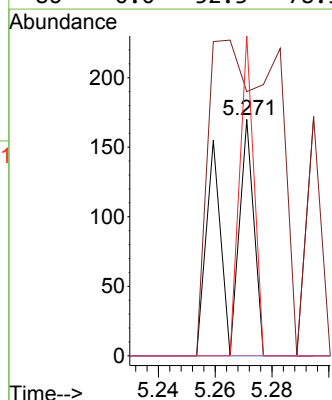
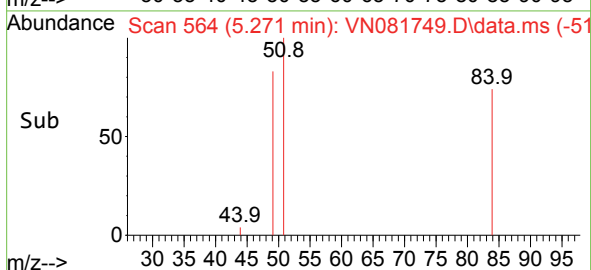
Tgt Ion: 76 Resp: 2101
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

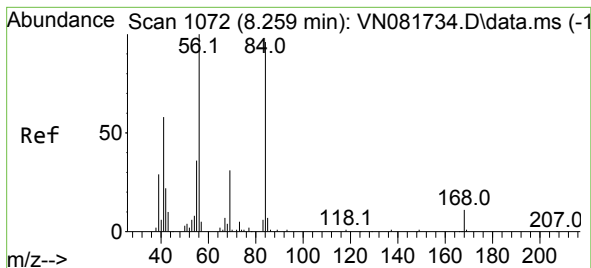


#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05



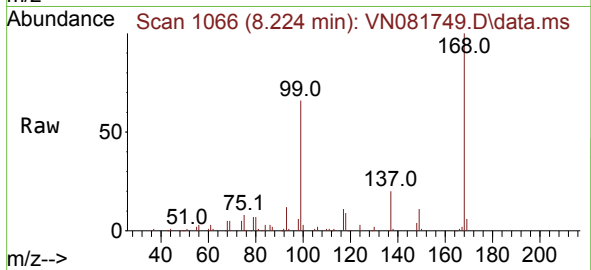
Tgt Ion: 84 Resp: 115
Ion Ratio Lower Upper
84 100
49 111.8 84.9 127.3
51 135.3 27.0 40.6#
86 0.0 52.3 78.5#



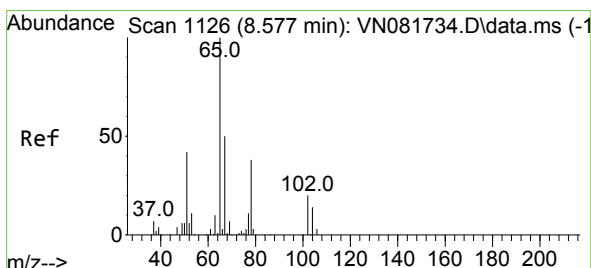
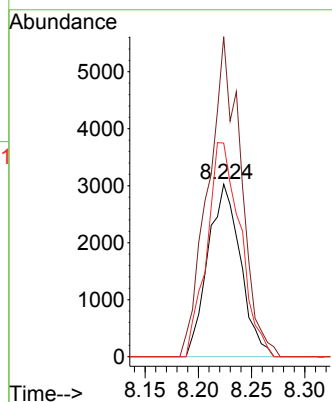
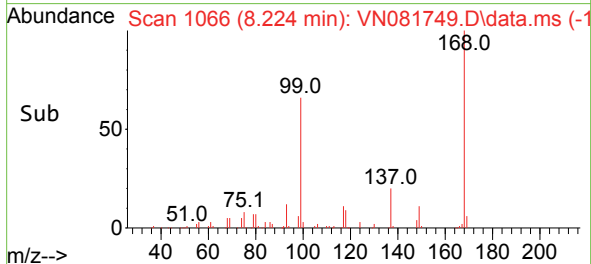


#31
Cyclohexane
Concen: 1.251 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05

Instrument :
MSVOA_N
ClientSampleId :

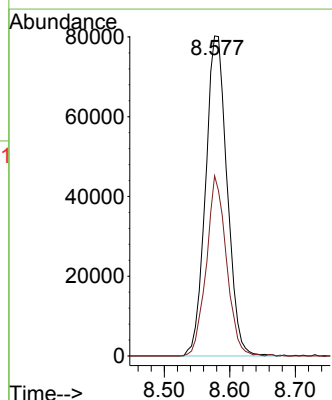
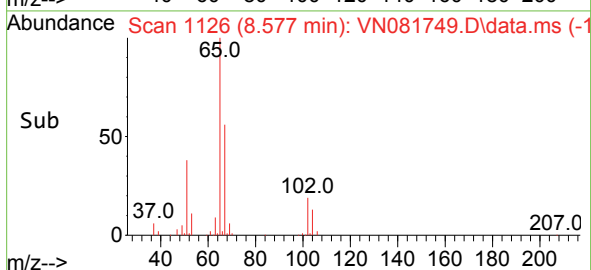
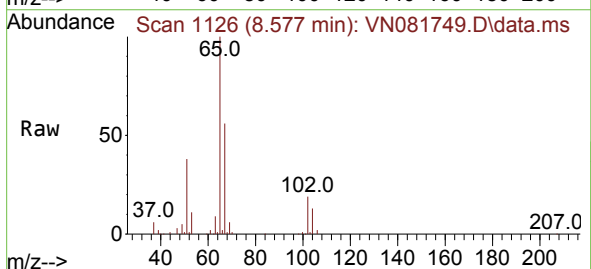


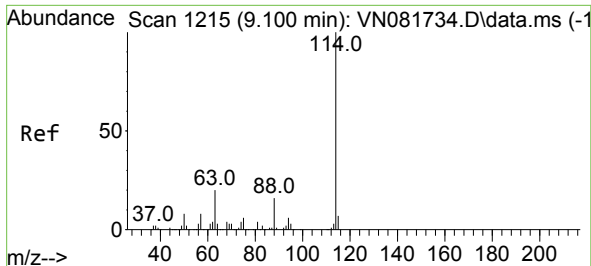
Tgt Ion: 56 Resp: 6439
Ion Ratio Lower Upper
56 100
69 185.6 24.4 36.6#
84 123.9 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 48.809 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05

Tgt Ion: 65 Resp: 183069
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0

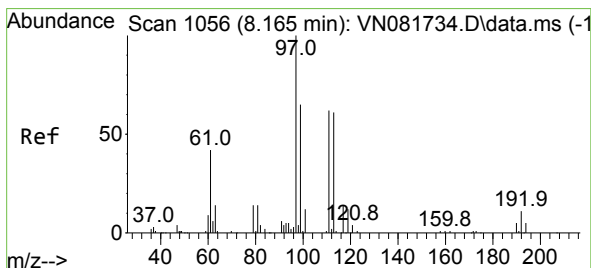
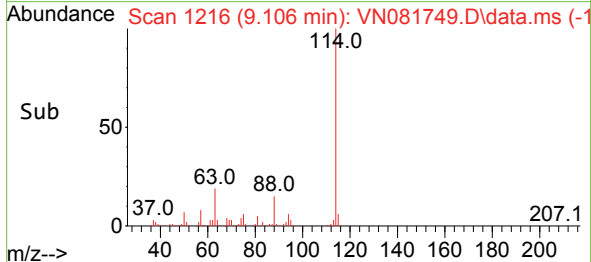
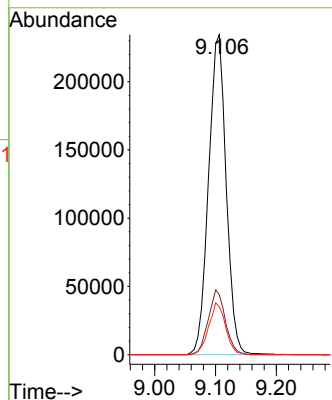
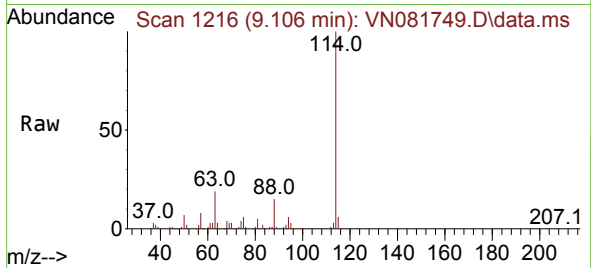




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05

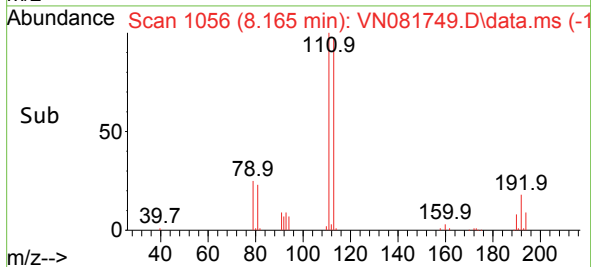
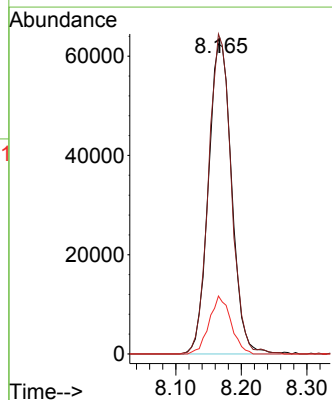
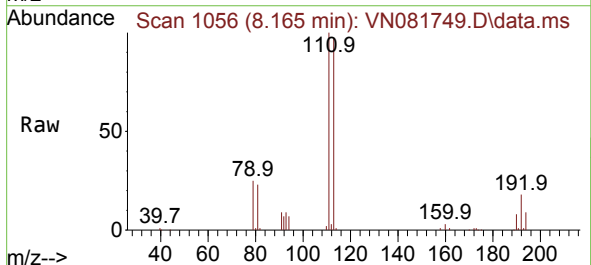
Instrument :
MSVOA_N
ClientSampleId :

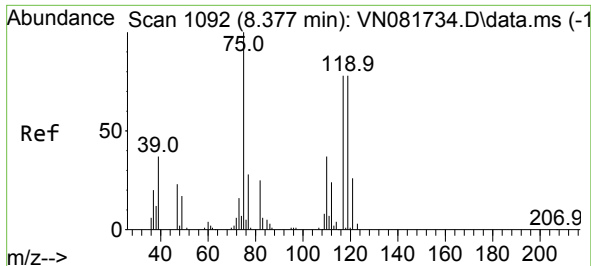
Tgt Ion:114 Resp: 470854
Ion Ratio Lower Upper
114 100
63 18.8 0.0 41.0
88 15.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.743 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05

Tgt Ion:113 Resp: 154665
Ion Ratio Lower Upper
113 100
111 100.4 83.4 125.2
192 17.4 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.331 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.159 min

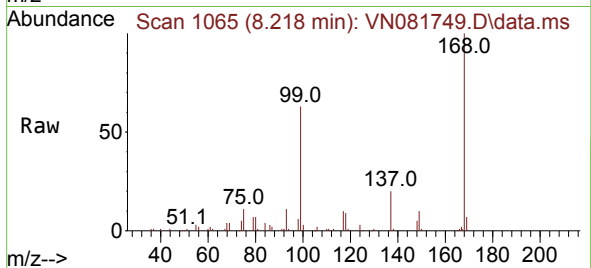
Lab File: VN081749.D

Acq: 16 Apr 2024 11:05

Instrument :

MSVOA_N

ClientSampleId :



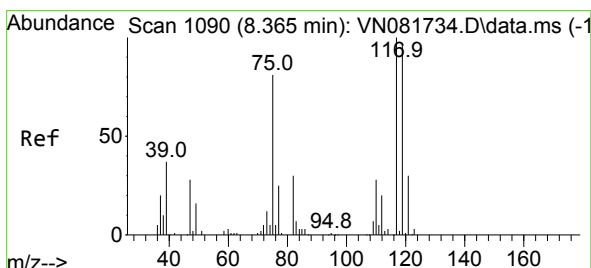
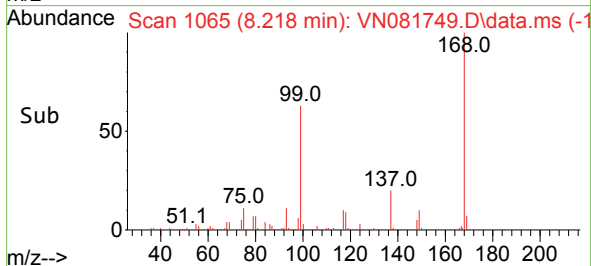
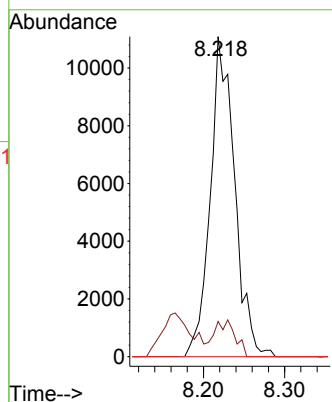
Tgt Ion: 75 Resp: 23095

Ion Ratio Lower Upper

75 100

110 10.1 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.702 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081749.D

Acq: 16 Apr 2024 11:05

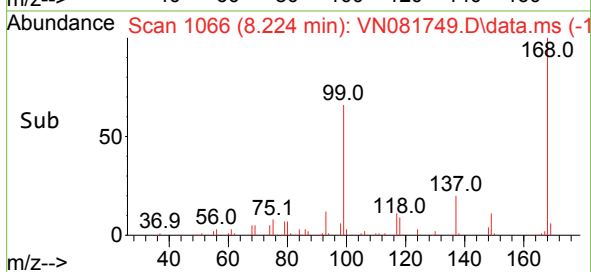
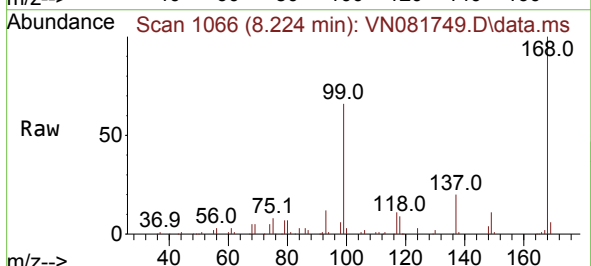
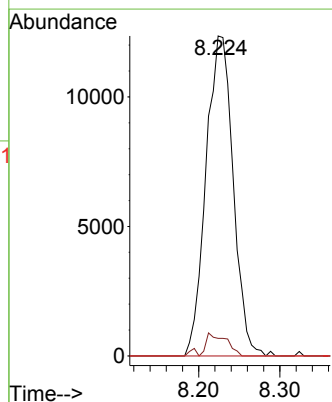
Tgt Ion: 117 Resp: 28739

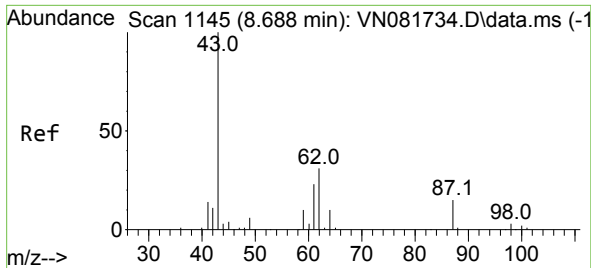
Ion Ratio Lower Upper

117 100

119 5.5 76.5 114.7#

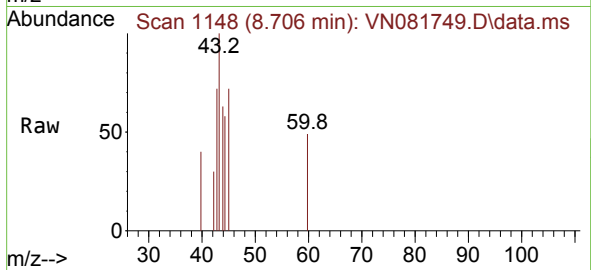
121 0.0 23.9 35.9#



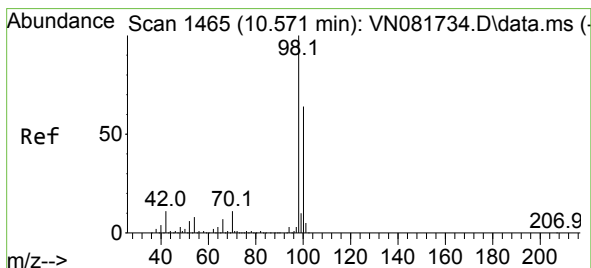
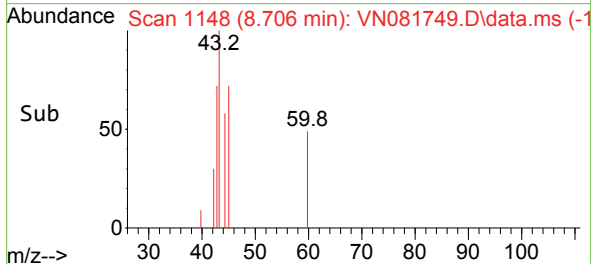
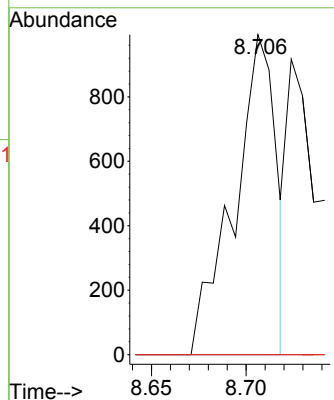


#43
Isopropyl Acetate
Concen: 0.231 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.018 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05

Instrument :
MSVOA_N
ClientSampleId :

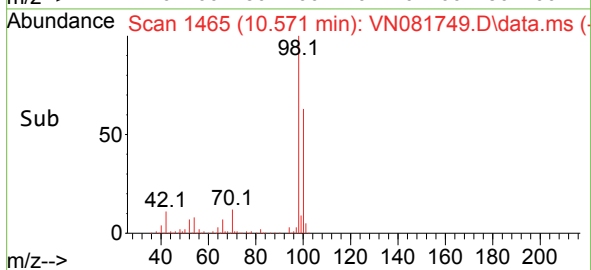
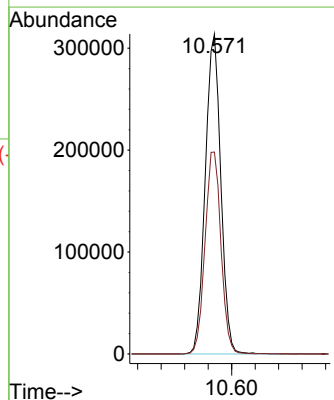
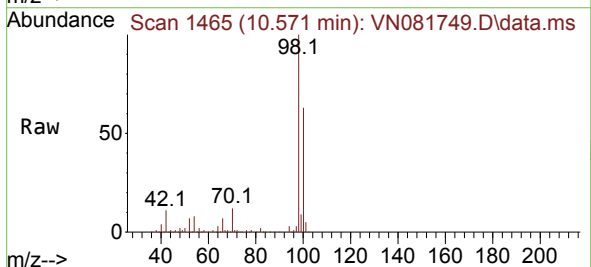


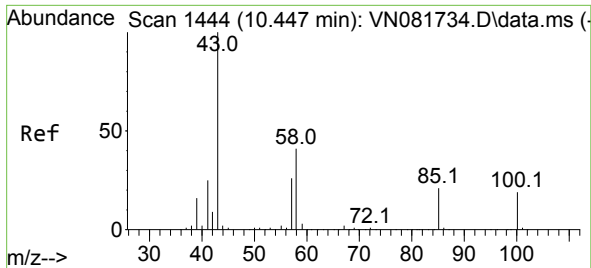
Tgt Ion: 43 Resp: 1537
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 50.319 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05

Tgt Ion: 98 Resp: 576375
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6

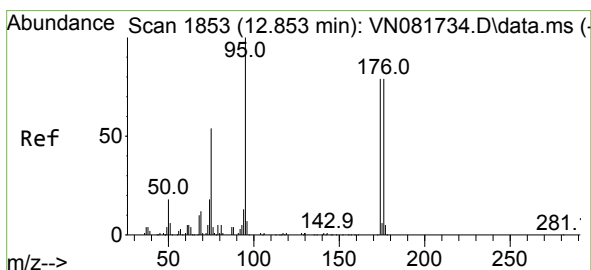
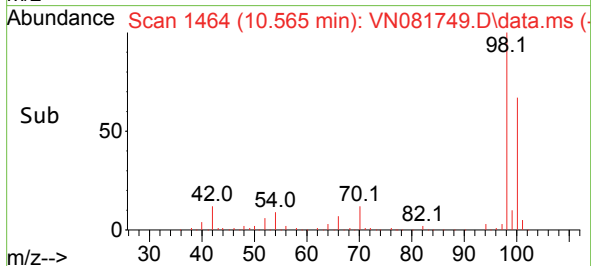
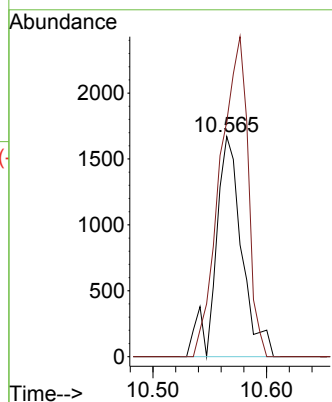
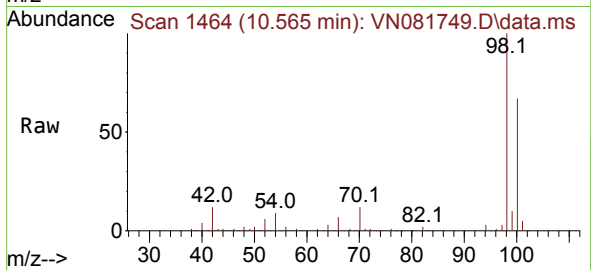




#51
4-Methyl-2-Pentanone
Concen: 0.721 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05

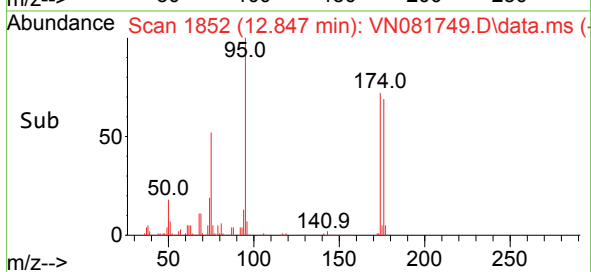
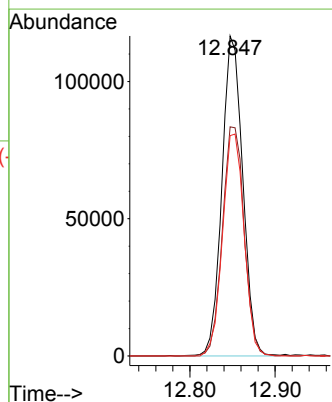
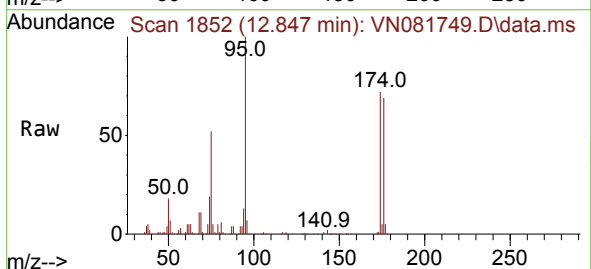
Instrument :
MSVOA_N
ClientSampleId :

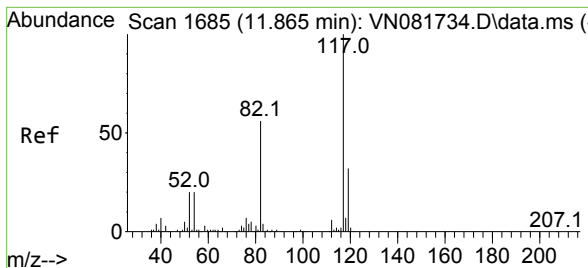
Tgt Ion: 43 Resp: 2665
Ion Ratio Lower Upper
43 100
58 155.2 33.2 49.8#



#62
4-Bromofluorobenzene
Concen: 50.608 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05

Tgt Ion: 95 Resp: 198092
Ion Ratio Lower Upper
95 100
174 74.8 0.0 160.6
176 71.5 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

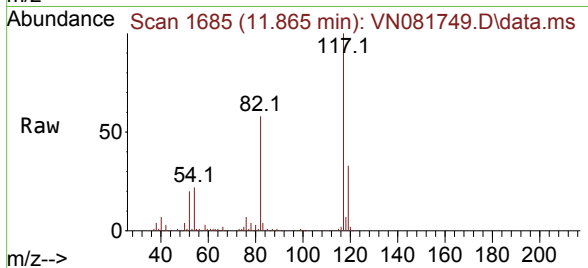
Lab File: VN081749.D

Acq: 16 Apr 2024 11:05

Instrument :

MSVOA_N

ClientSampleId :



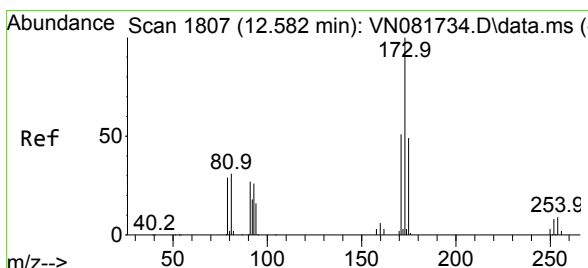
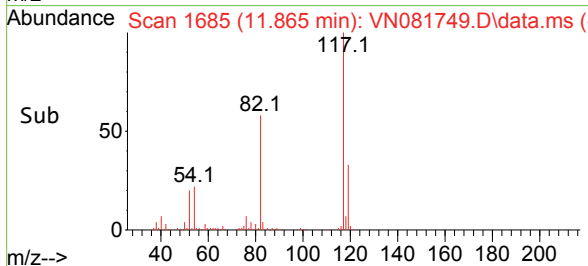
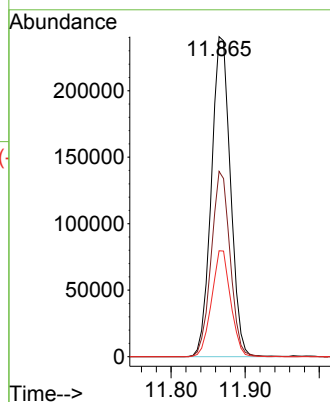
Tgt Ion:117 Resp: 430022

Ion Ratio Lower Upper

117 100

82 57.9 44.6 66.8

119 33.1 25.9 38.9



#71

Bromoform

Concen: 0.357 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.259 min

Lab File: VN081749.D

Acq: 16 Apr 2024 11:05

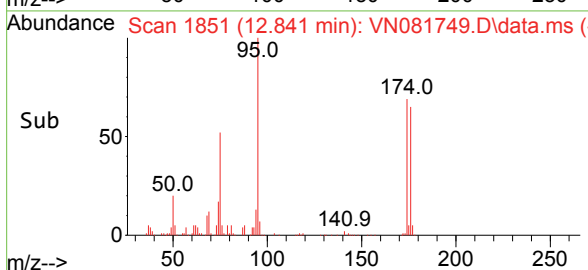
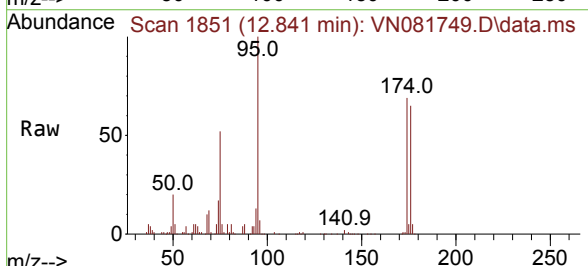
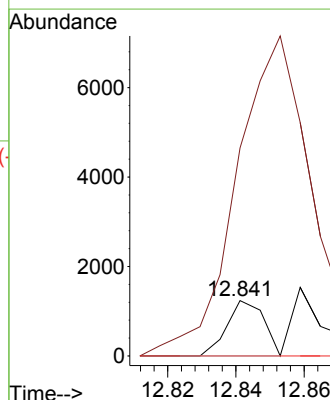
Tgt Ion:173 Resp: 929

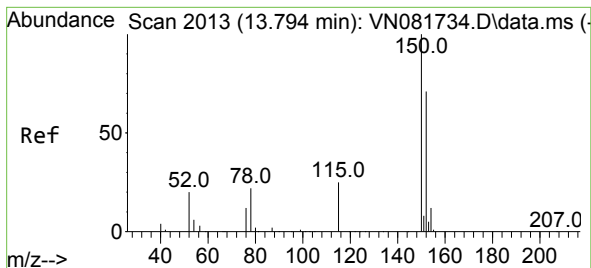
Ion Ratio Lower Upper

173 100

175 999.5 24.6 74.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

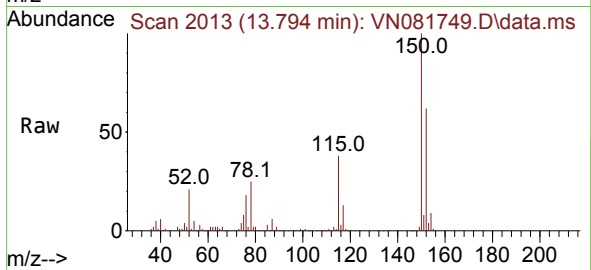
Lab File: VN081749.D

Acq: 16 Apr 2024 11:05

Instrument :

MSVOA_N

ClientSampleId :



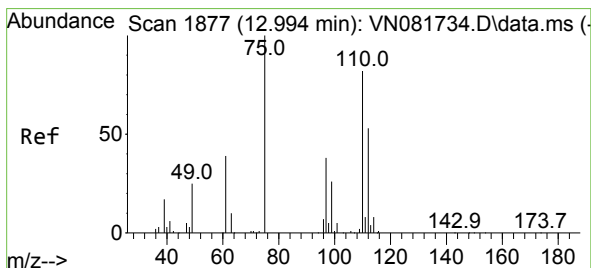
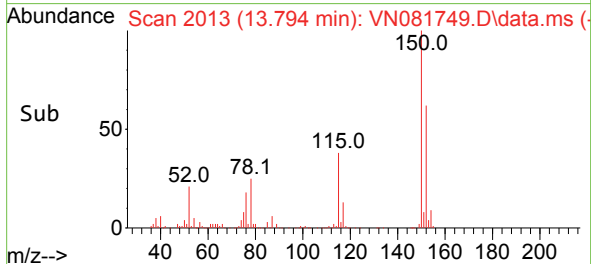
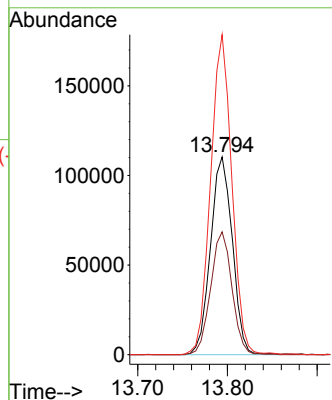
Tgt Ion:152 Resp: 186659

Ion Ratio Lower Upper

152 100

115 60.7 30.4 91.3

150 157.0 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 29.364 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081749.D

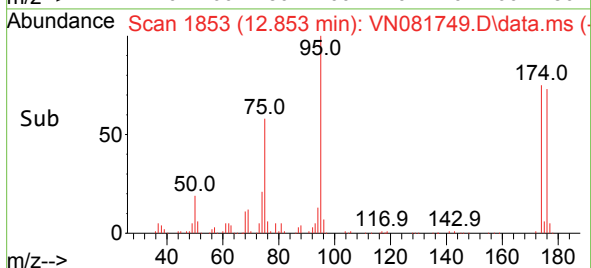
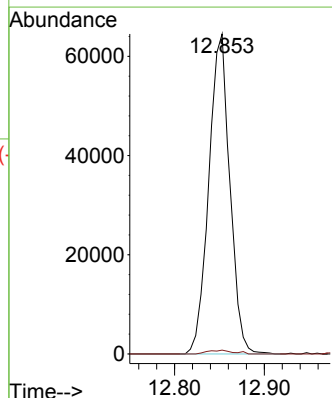
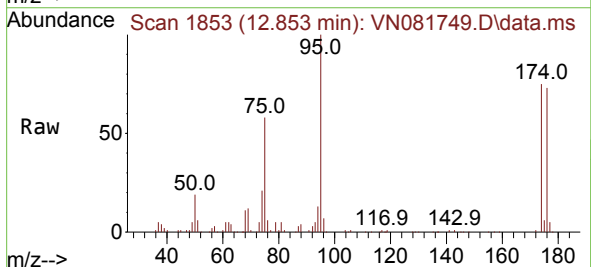
Acq: 16 Apr 2024 11:05

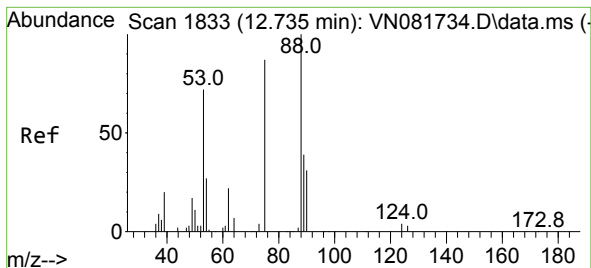
Tgt Ion: 75 Resp: 104999

Ion Ratio Lower Upper

75 100

77 1.4 90.5 271.3#

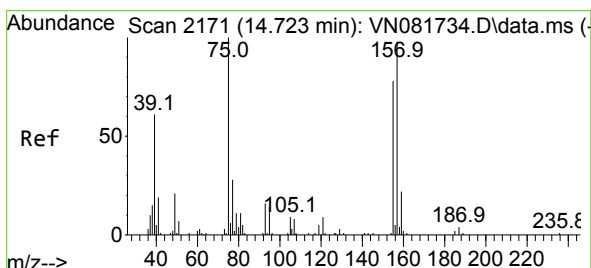
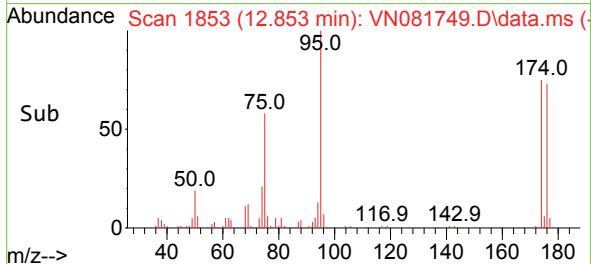
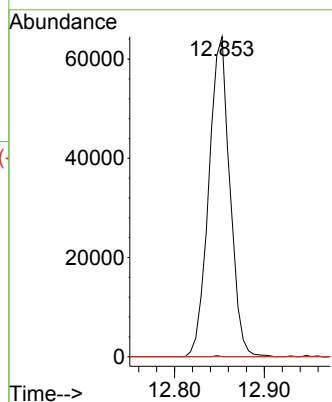
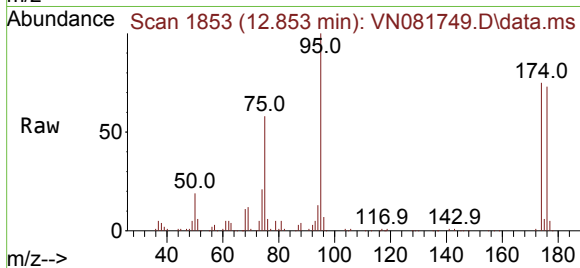




#81
trans-1,4-Dichloro-2-butene
Concen: 68.829 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 104999
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.712 min Scan# 2169
Delta R.T. -0.011 min
Lab File: VN081749.D
Acq: 16 Apr 2024 11:05

Tgt Ion: 75 Resp: 69
Ion Ratio Lower Upper
75 100
155 0.0 42.6 128.0#
157 0.0 53.0 159.0#

