

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041824\
 Data File : VN081798.D
 Acq On : 18 Apr 2024 19:30
 Operator : JC\MD
 Sample : P2121-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 02:12:28 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)

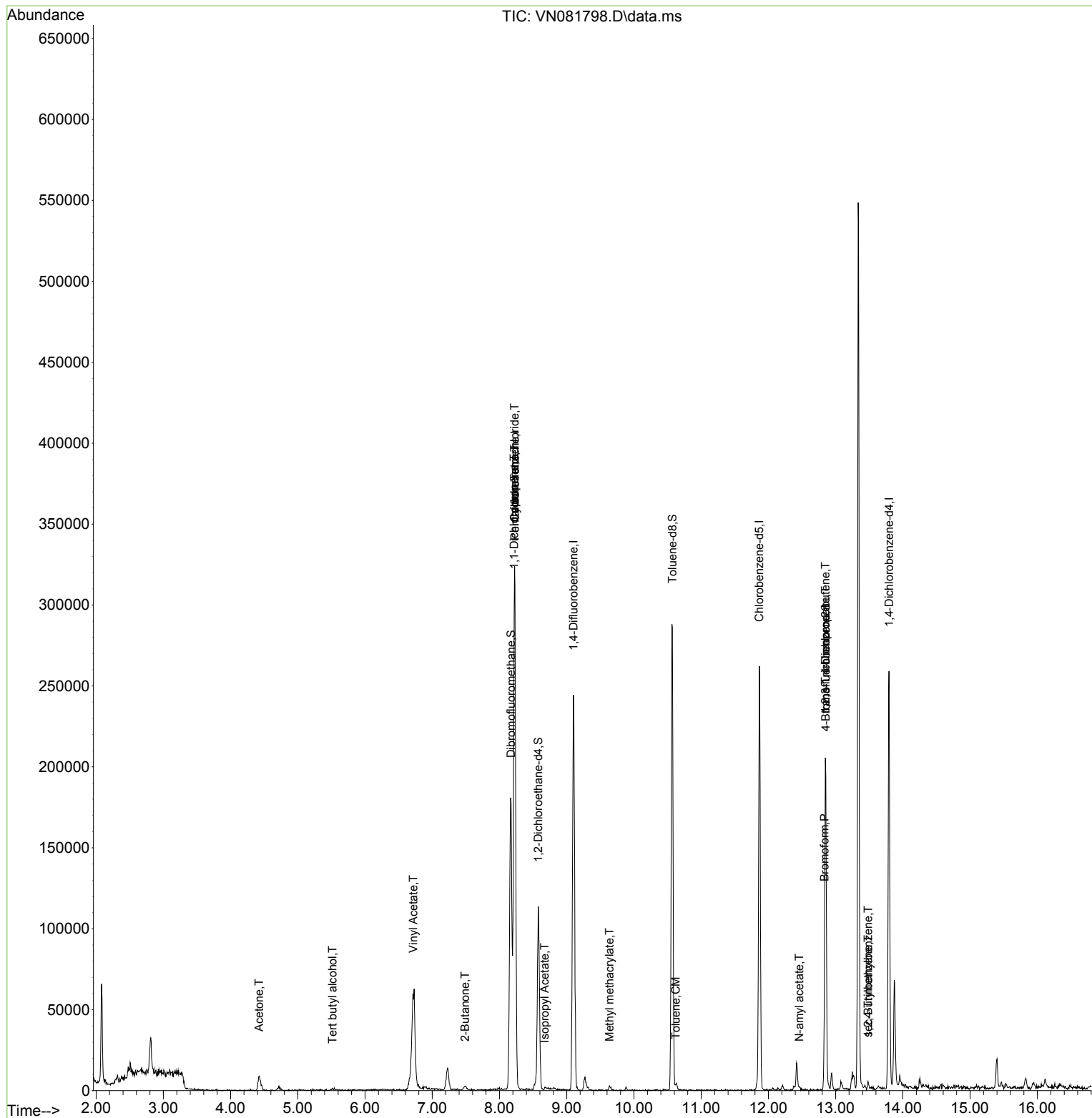
Internal Standards						
1) Pentafluorobenzene	8.230	168	232622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	228576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	147263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	64615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	85691	26.178	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	52.360%#
35) Dibromofluoromethane	8.171	113	128965	85.442	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	170.880%#
50) Toluene-d8	10.571	98	201926	36.314	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	72.620%#
62) 4-Bromofluorobenzene	12.853	95	60388	31.780	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	63.560%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	562	Below Cal	#	43
6) Chloroethane	3.118	64	1001	Below Cal	#	44
11) Tert butyl alcohol	5.518	59	1232	2.759	ug/l #	71
16) Acetone	4.424	43	16535	18.149	ug/l	96
23) Vinyl Acetate	6.718	43	11999	2.014	ug/l #	68
25) 2-Butanone	7.489	43	3372	2.245	ug/l #	82
31) Cyclohexane	8.224	56	5764	1.284	ug/l #	20
36) 1,1-Dichloropropene	8.218	75	19927	9.476	ug/l #	49
38) Carbon Tetrachloride	8.224	117	26556	10.854	ug/l #	15
43) Isopropyl Acetate	8.671	43	809	0.251	ug/l #	52
48) Methyl methacrylate	9.635	41	268	0.204	ug/l #	40
52) Toluene	10.624	92	1841	0.442	ug/l	77
71) Bromoform	12.835	173	216	0.242	ug/l #	28
74) N-amyl acetate	12.459	43	1093	0.620	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	33173	26.449	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	33173	62.818	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.482	105	1563	0.391	ug/l	75
85) sec-Butylbenzene	13.482	105	1563	0.323	ug/l #	56

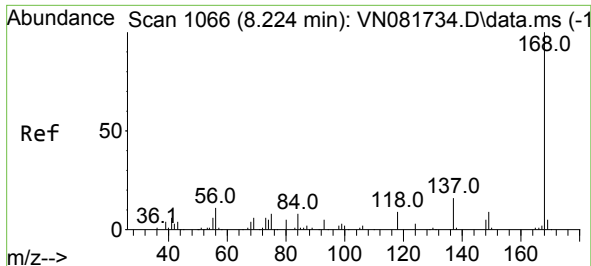
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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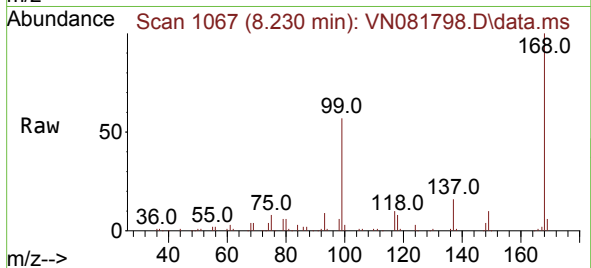
Quant Time: Apr 19 02:12:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 15:37:39 2024
Response via : Initial Calibration



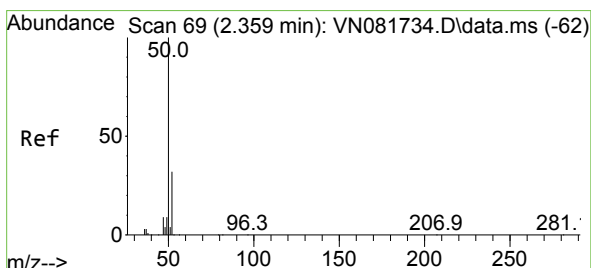
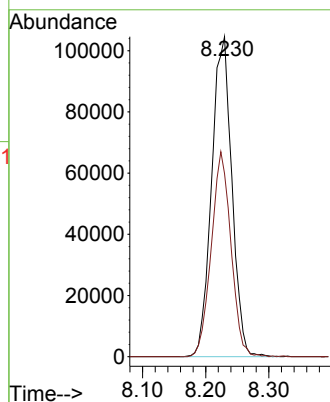
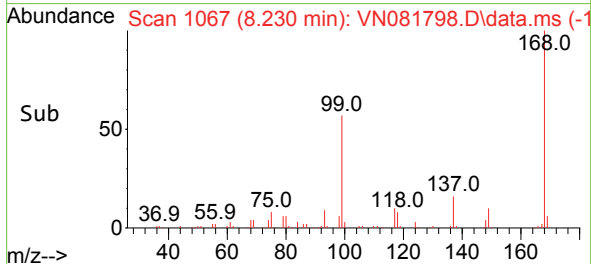


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

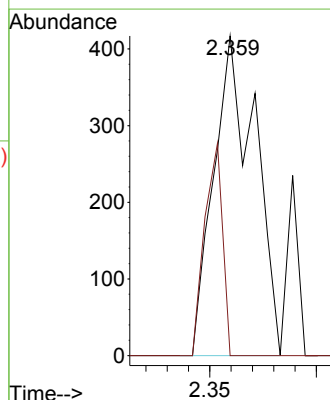
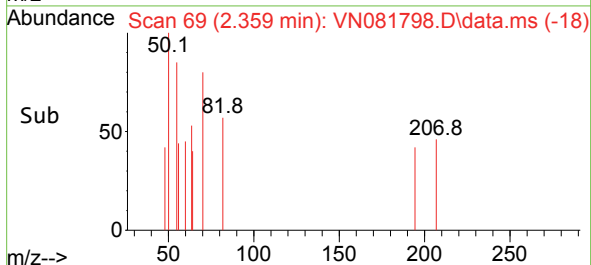
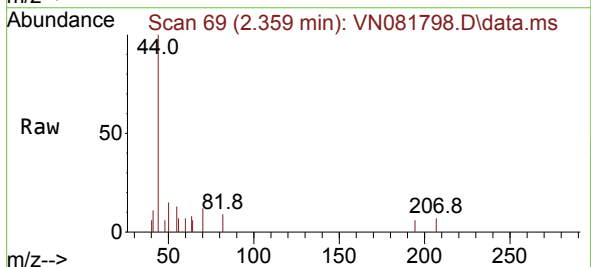


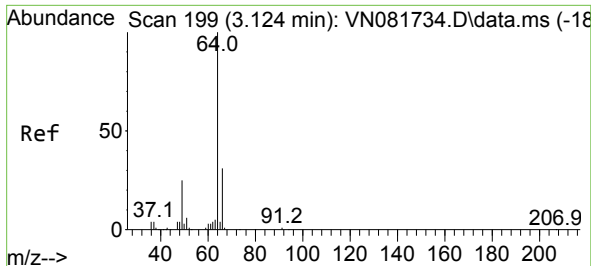
Tgt Ion:168 Resp: 232622
Ion Ratio Lower Upper
168 100
99 57.2 48.2 72.4



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

Tgt Ion: 50 Resp: 562
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

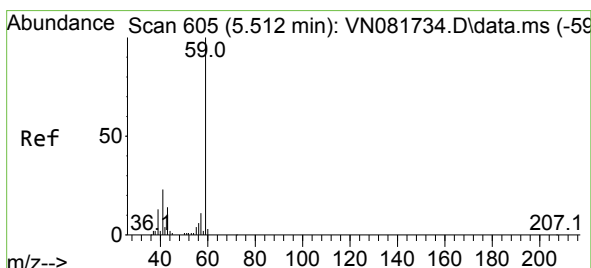
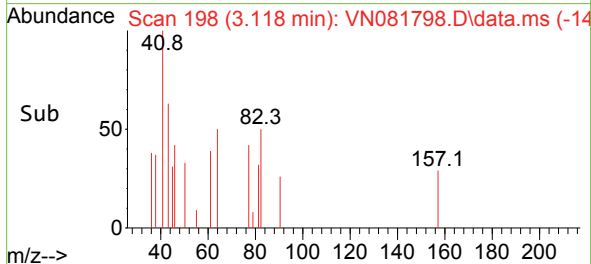
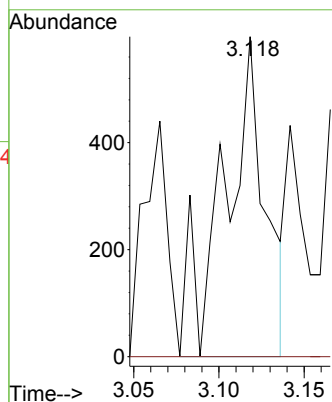
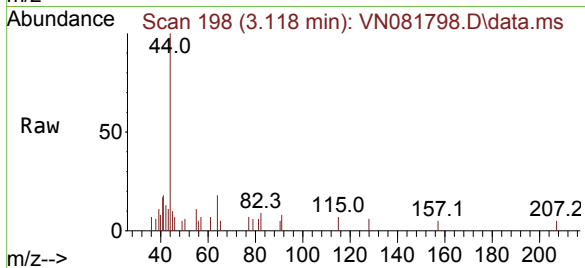




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 199
Delta R.T. -0.006 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

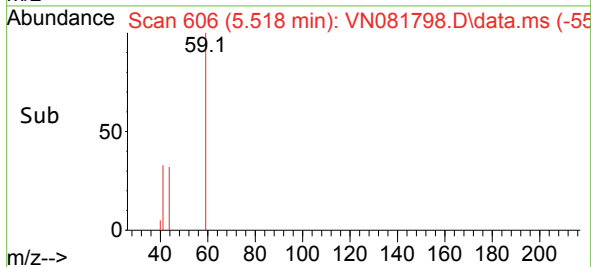
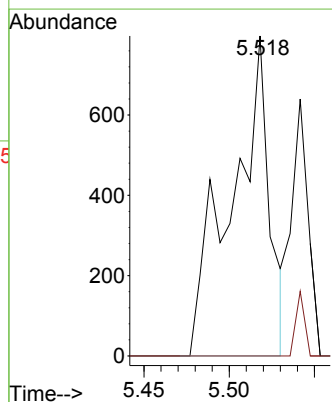
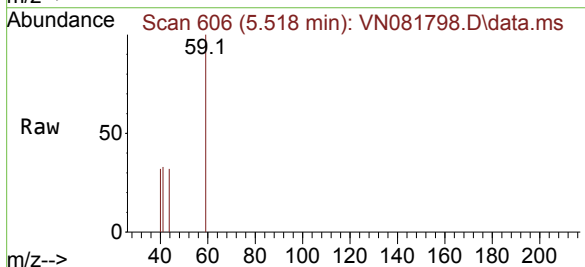
Instrument :
MSVOA_N
ClientSampleId :

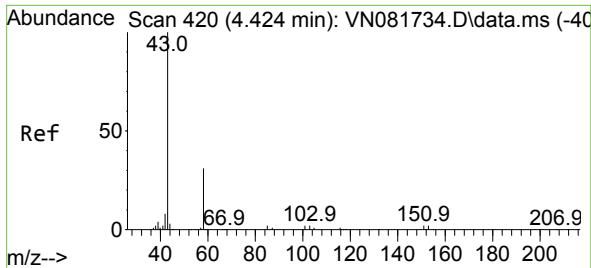
Tgt Ion: 64 Resp: 1001
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 2.759 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

Tgt Ion: 59 Resp: 1232
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

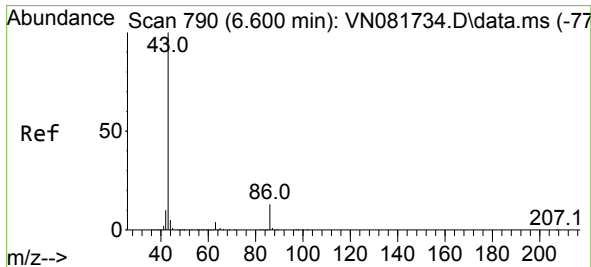
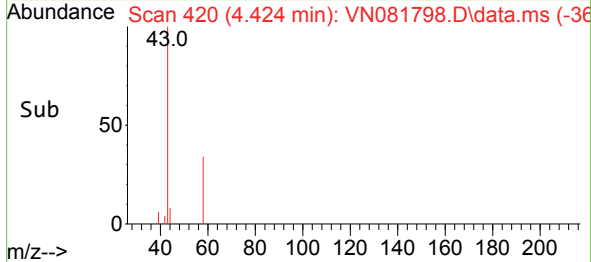
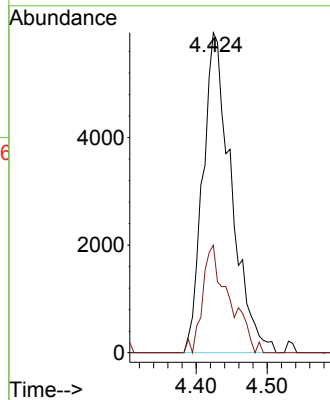
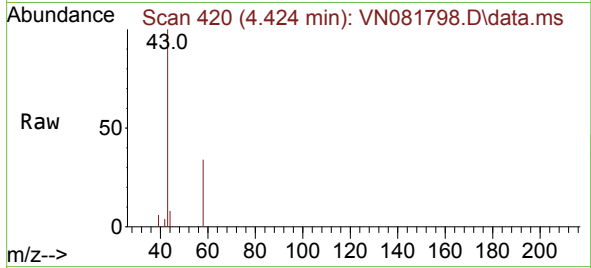




#16
Acetone
Concen: 18.149 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

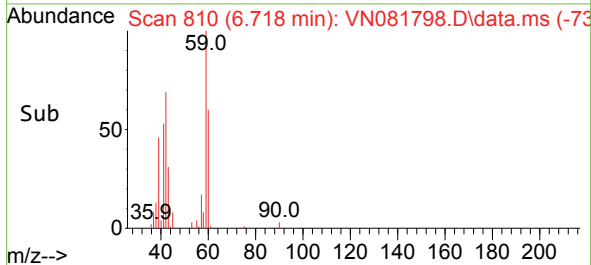
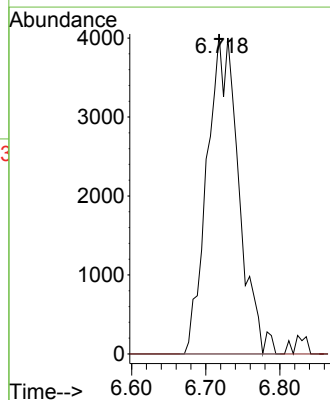
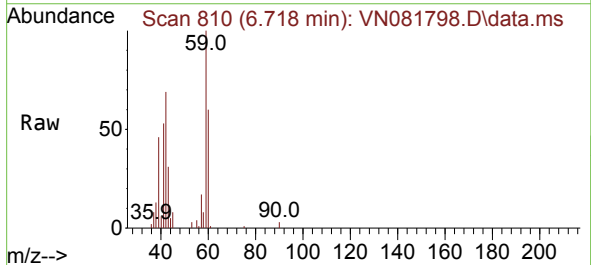
Instrument :
MSVOA_N
ClientSampleId :

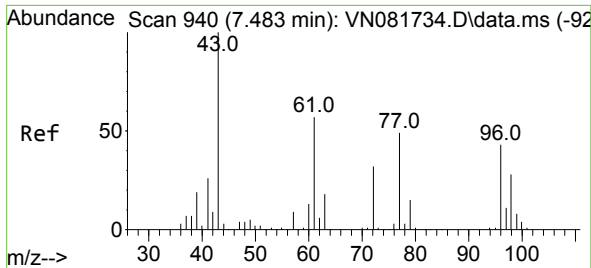
Tgt Ion: 43 Resp: 16535
Ion Ratio Lower Upper
43 100
58 33.6 25.2 37.8



#23
Vinyl Acetate
Concen: 2.014 ug/l
RT: 6.718 min Scan# 810
Delta R.T. 0.118 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

Tgt Ion: 43 Resp: 11999
Ion Ratio Lower Upper
43 100
86 0.0 10.2 15.4#

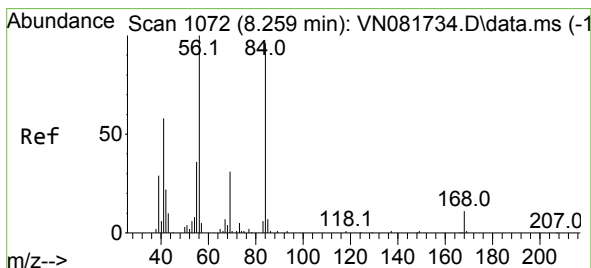
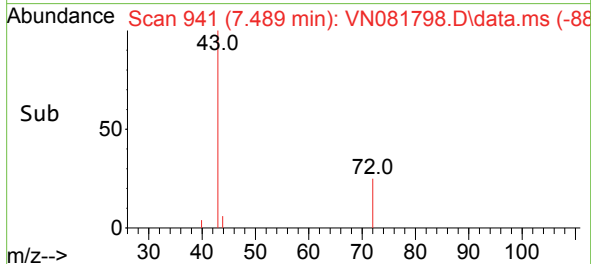
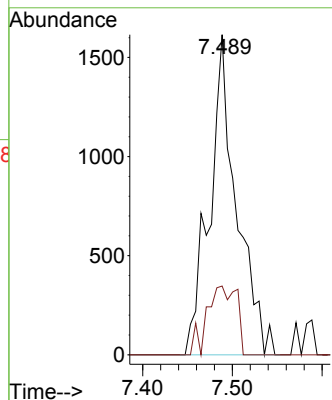
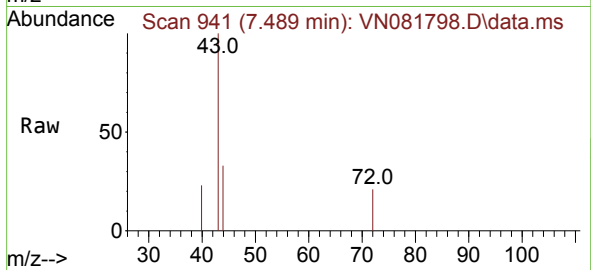




#25
2-Butanone
Concen: 2.245 ug/l
RT: 7.489 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

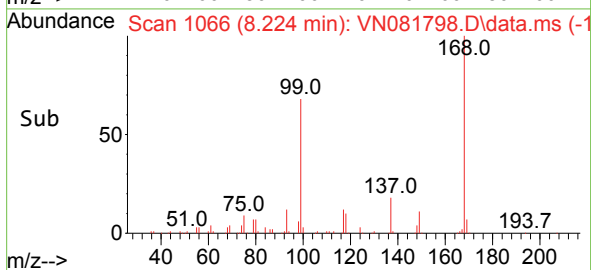
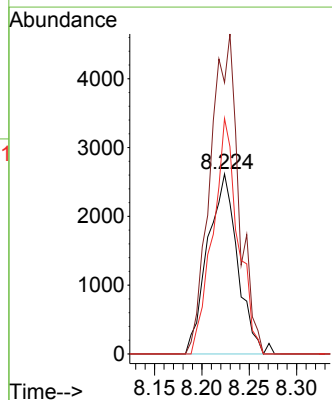
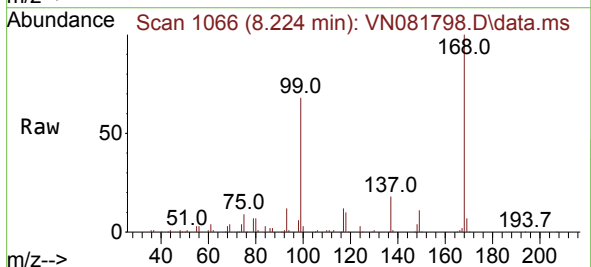
Instrument :
MSVOA_N
ClientSampleId :

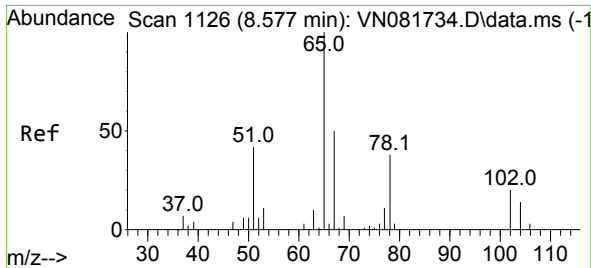
Tgt Ion: 43 Resp: 3372
Ion Ratio Lower Upper
43 100
72 21.5 25.3 37.9#



#31
Cyclohexane
Concen: 1.284 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

Tgt Ion: 56 Resp: 5764
Ion Ratio Lower Upper
56 100
69 150.7 24.4 36.6#
84 130.8 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 26.178 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081798.D

Acq: 18 Apr 2024 19:30

Instrument :

MSVOA_N

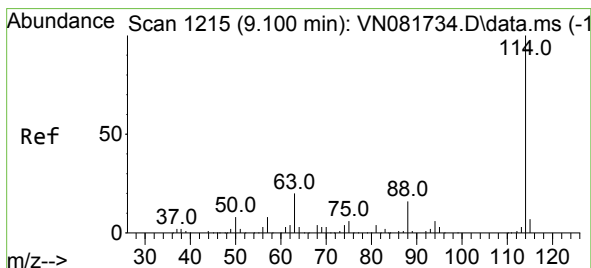
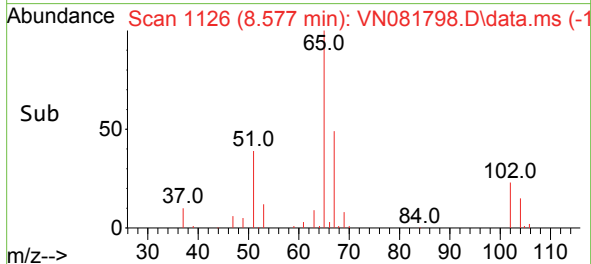
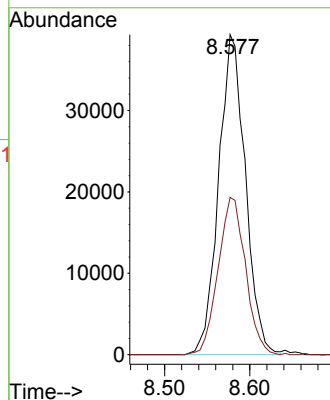
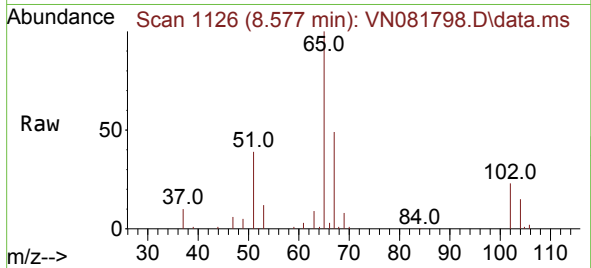
ClientSampleId :

Tgt Ion: 65 Resp: 85691

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081798.D

Acq: 18 Apr 2024 19:30

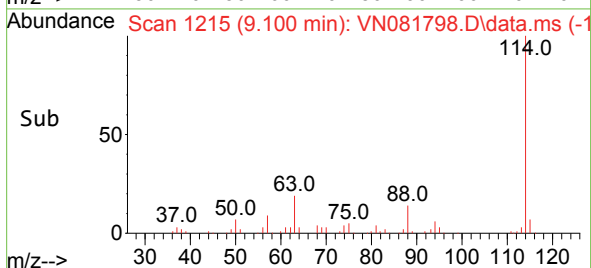
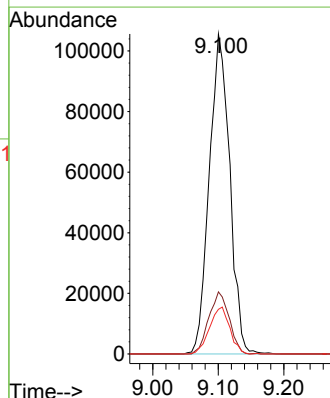
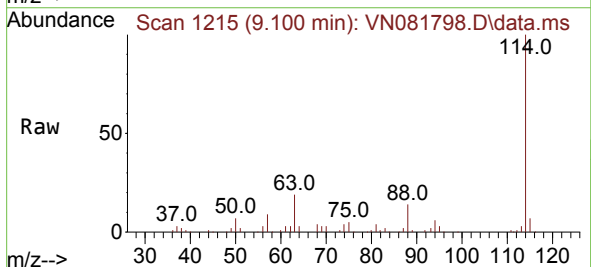
Tgt Ion: 114 Resp: 228576

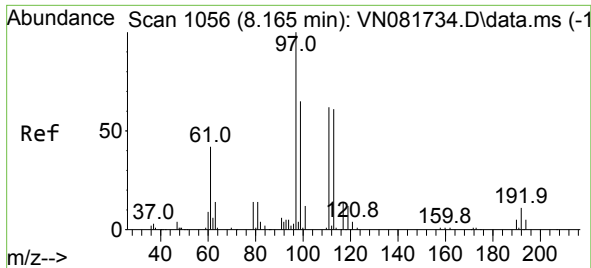
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

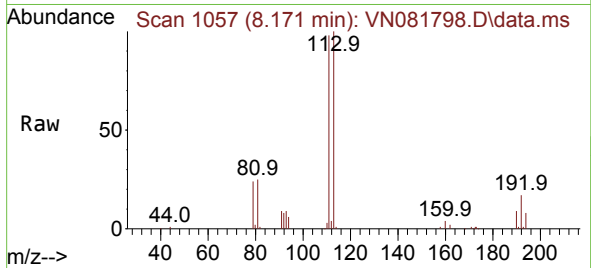
88 14.0 0.0 31.4



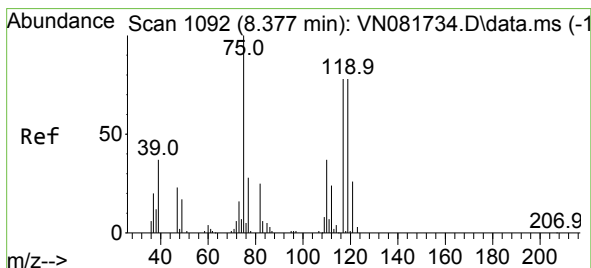
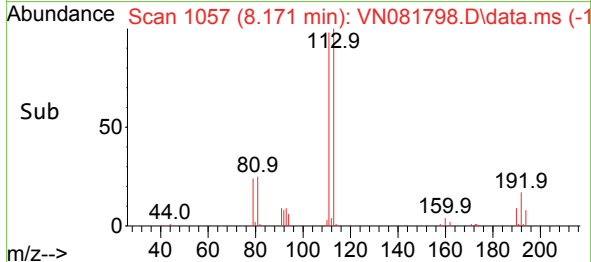
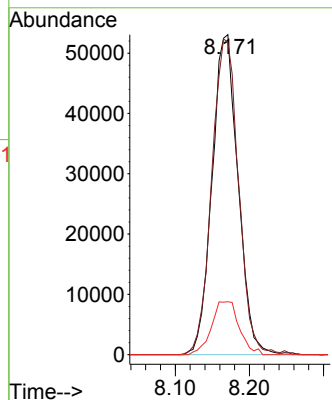


#35
Dibromofluoromethane
Concen: 85.442 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

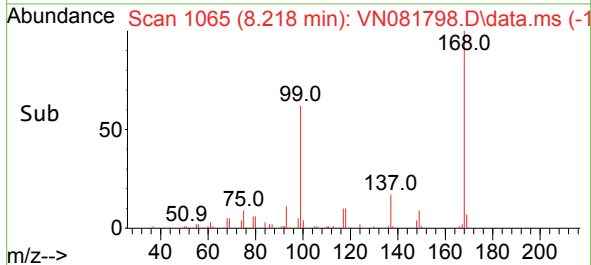
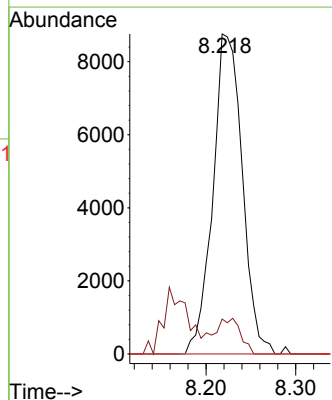
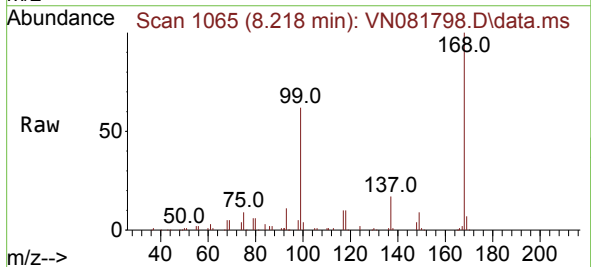


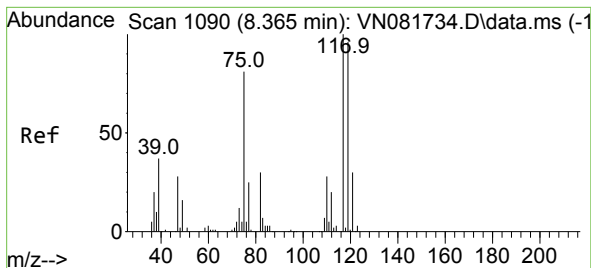
Tgt Ion:113 Resp: 128965
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.2
192 17.7 14.0 21.0



#36
1,1-Dichloropropene
Concen: 9.476 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.159 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

Tgt Ion: 75 Resp: 19927
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 10.854 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

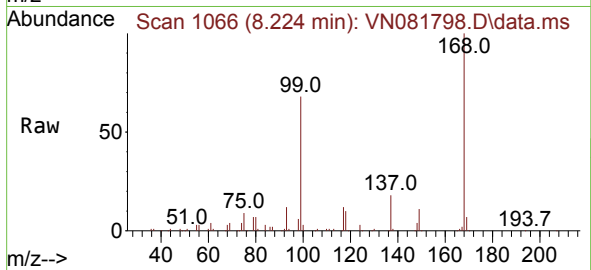
Lab File: VN081798.D

Acq: 18 Apr 2024 19:30

Instrument :

MSVOA_N

ClientSampleId :



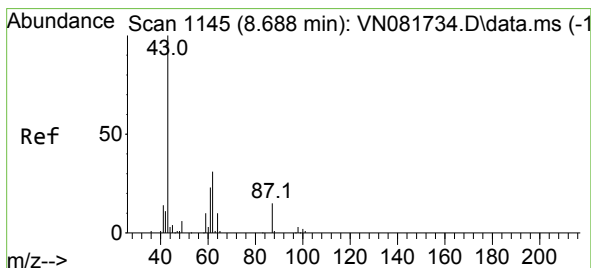
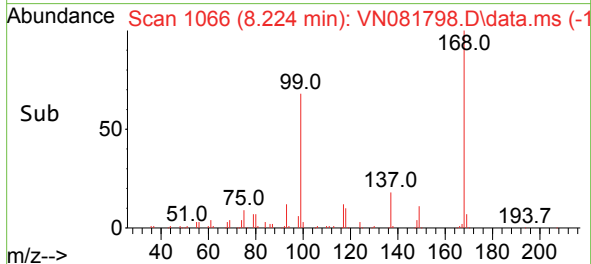
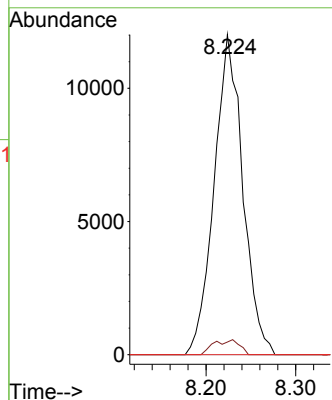
Tgt Ion:117 Resp: 26556

Ion Ratio Lower Upper

117 100

119 3.9 76.5 114.7#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 0.251 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.017 min

Lab File: VN081798.D

Acq: 18 Apr 2024 19:30

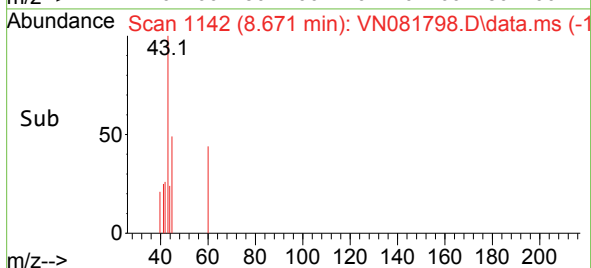
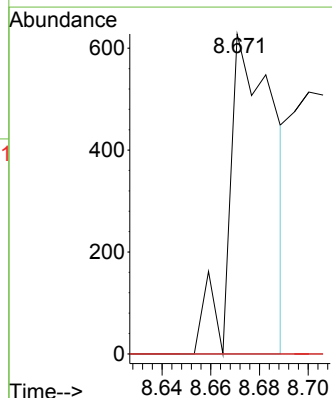
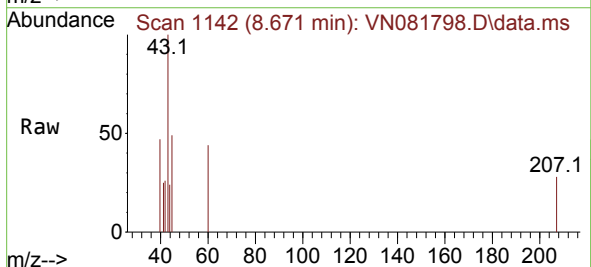
Tgt Ion: 43 Resp: 809

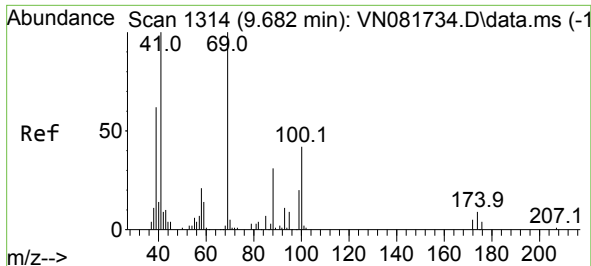
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

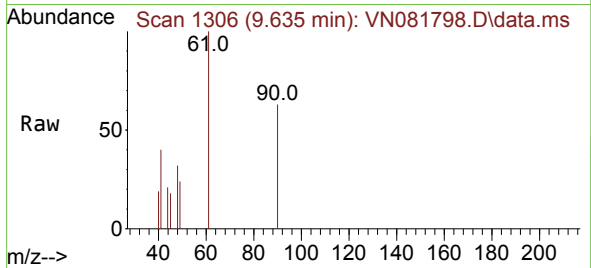
87 0.0 12.0 18.0#



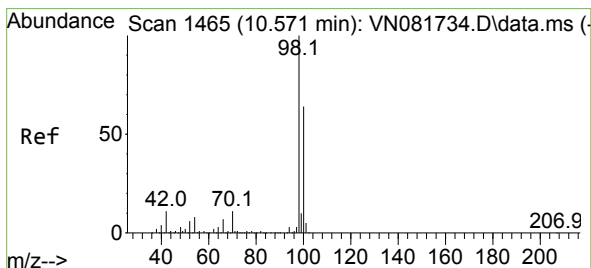
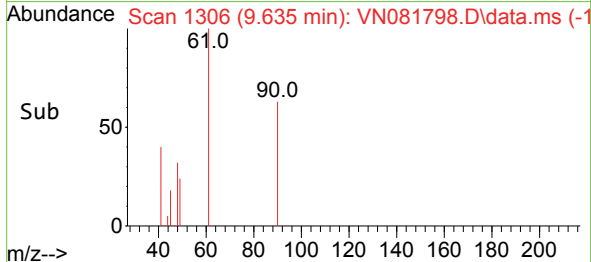
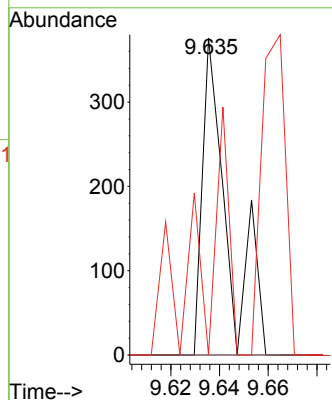


#48
Methyl methacrylate
Concen: 0.204 ug/l
RT: 9.635 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

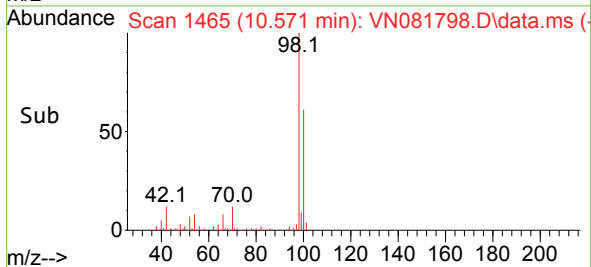
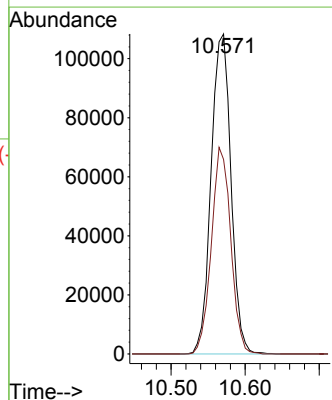
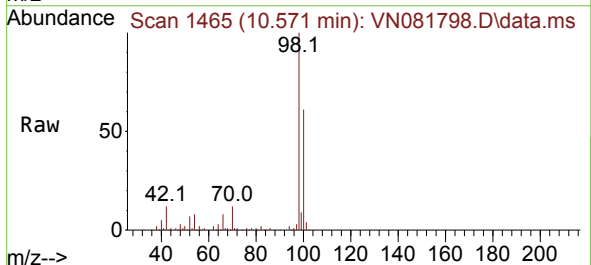


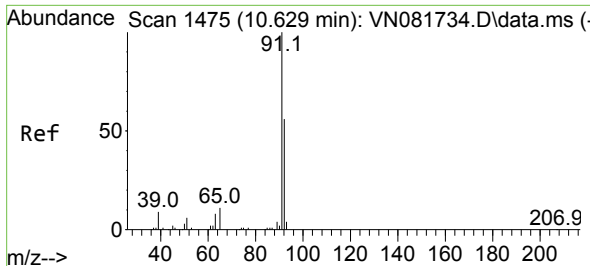
Tgt Ion: 41 Resp: 268
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 64.2 50.9 76.3



#50
Toluene-d8
Concen: 36.314 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

Tgt Ion: 98 Resp: 201926
Ion Ratio Lower Upper
98 100
100 62.9 51.8 77.6

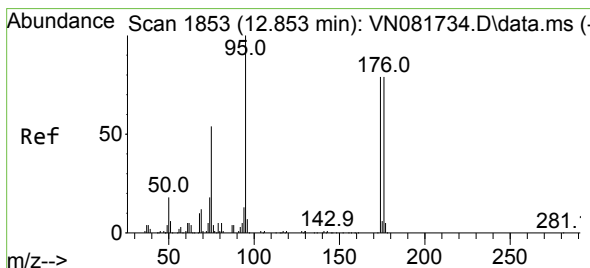
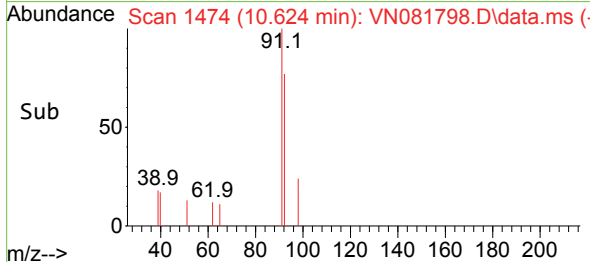
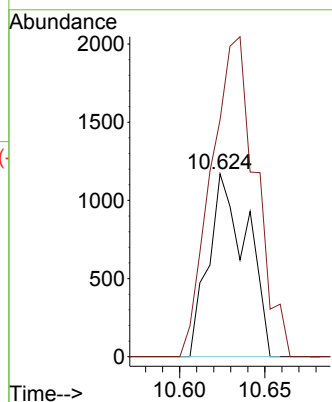
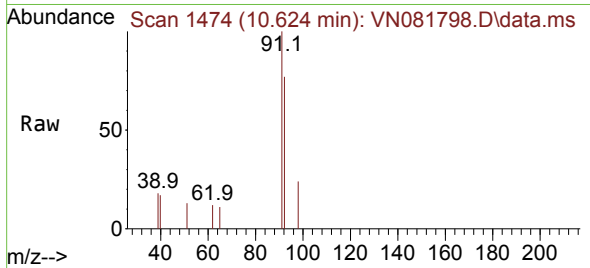




#52
Toluene
Concen: 0.442 ug/l
RT: 10.624 min Scan# 1475
Delta R.T. -0.005 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

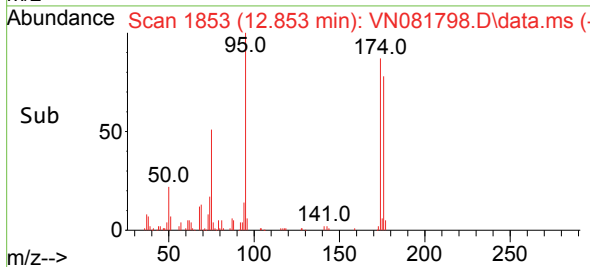
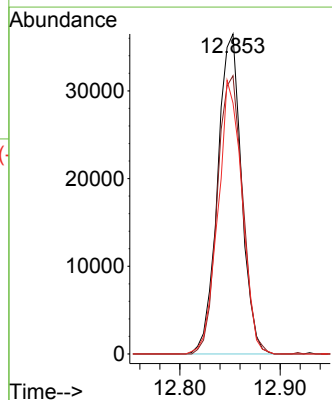
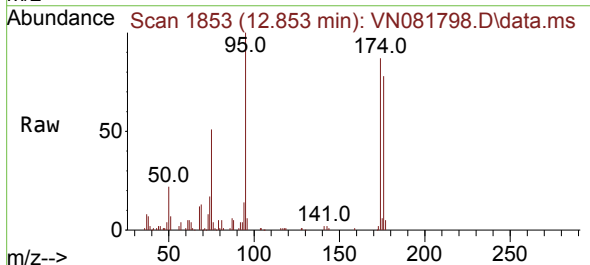
Instrument :
MSVOA_N
ClientSampleId :

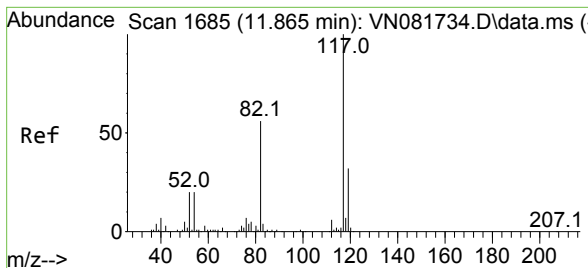
Tgt Ion: 92 Resp: 1841
Ion Ratio Lower Upper
92 100
91 203.1 136.7 205.1



#62
4-Bromofluorobenzene
Concen: 31.780 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

Tgt Ion: 95 Resp: 60388
Ion Ratio Lower Upper
95 100
174 91.9 0.0 160.6
176 86.3 0.0 152.8

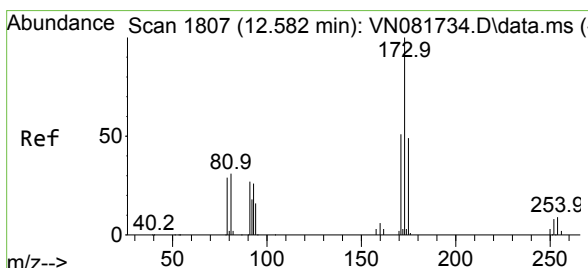
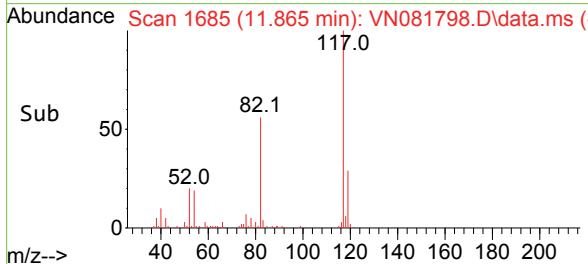
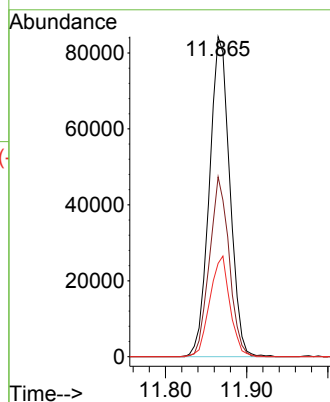
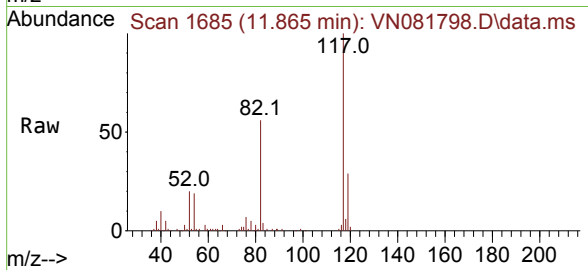




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

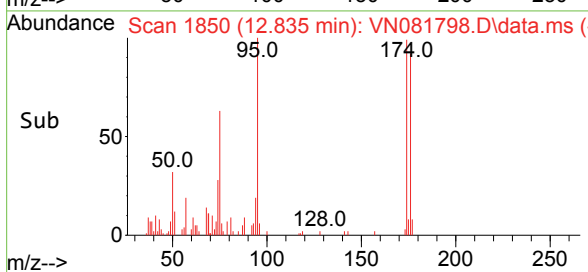
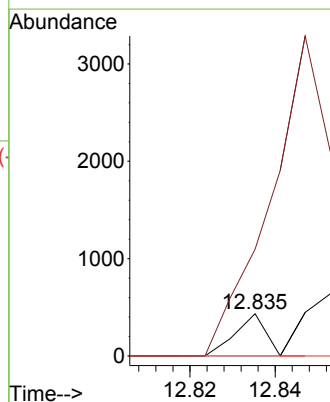
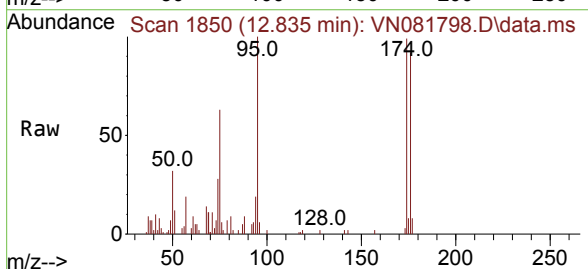
Instrument :
MSVOA_N
ClientSampleId :

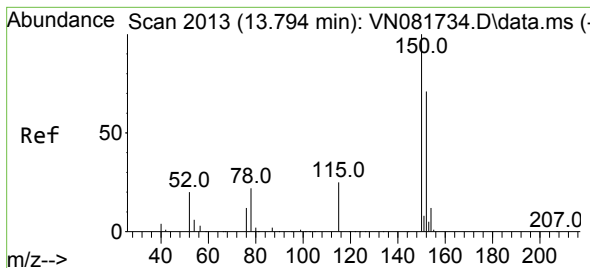
Tgt Ion:117 Resp: 147263
Ion Ratio Lower Upper
117 100
82 56.2 44.6 66.8
119 29.1 25.9 38.9



#71
Bromoform
Concen: 0.242 ug/l
RT: 12.835 min Scan# 1850
Delta R.T. 0.253 min
Lab File: VN081798.D
Acq: 18 Apr 2024 19:30

Tgt Ion:173 Resp: 216
Ion Ratio Lower Upper
173 100
175 0.0 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

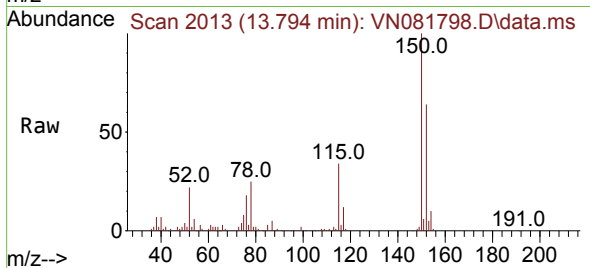
Lab File: VN081798.D

Acq: 18 Apr 2024 19:30

Instrument :

MSVOA_N

ClientSampleId :



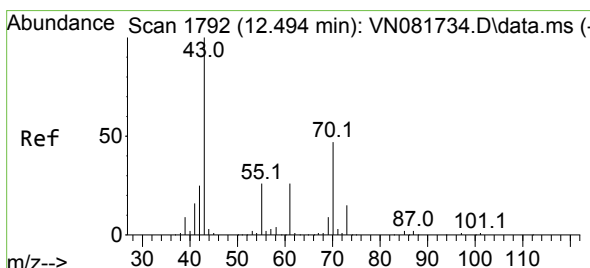
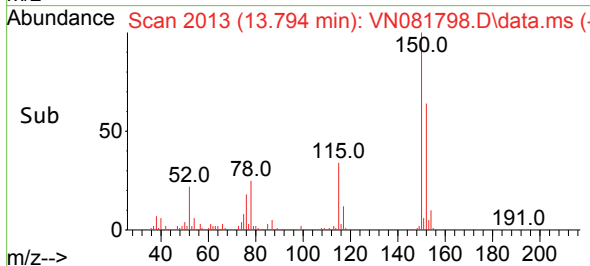
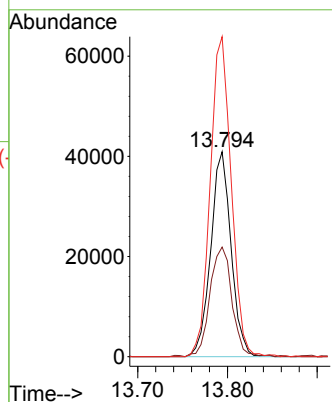
Tgt Ion:152 Resp: 64615

Ion Ratio Lower Upper

152 100

115 57.9 30.4 91.3

150 160.9 0.0 353.2



#74

N-ethyl acetate

Concen: 0.620 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.035 min

Lab File: VN081798.D

Acq: 18 Apr 2024 19:30

Tgt Ion: 43 Resp: 1093

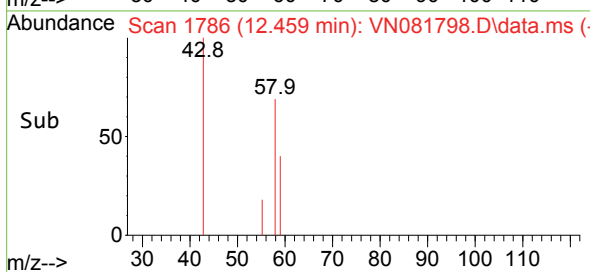
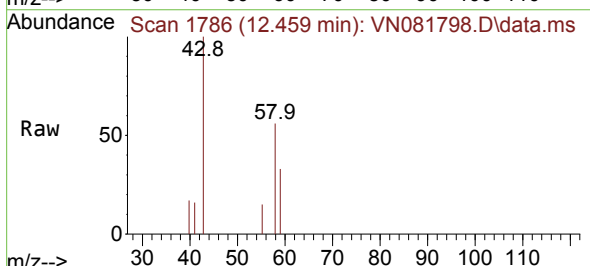
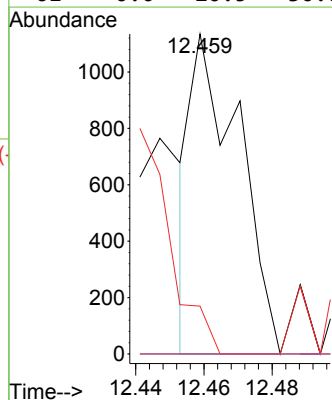
Ion Ratio Lower Upper

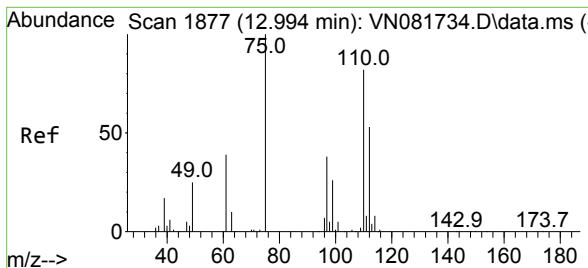
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 26.449 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081798.D

Acq: 18 Apr 2024 19:30

Instrument :

MSVOA_N

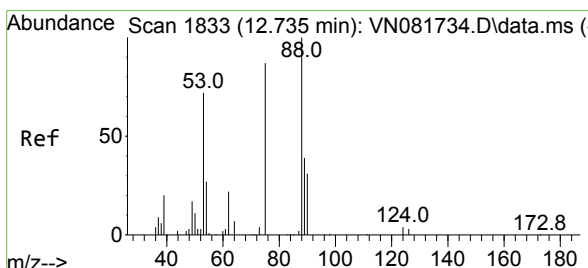
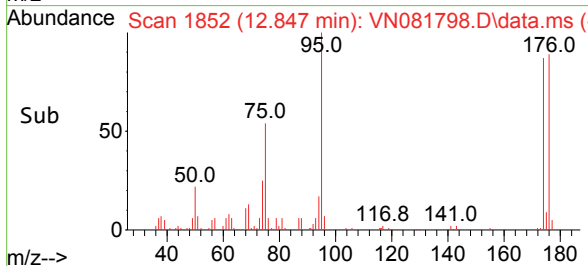
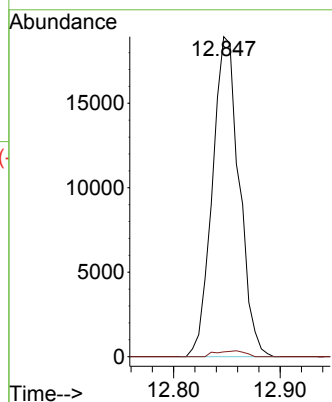
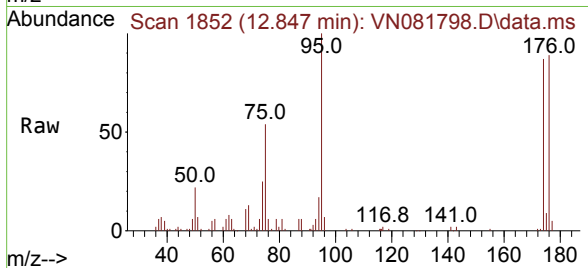
ClientSampleId :

Tgt Ion: 75 Resp: 33173

Ion Ratio Lower Upper

75 100

77 2.0 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.818 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN081798.D

Acq: 18 Apr 2024 19:30

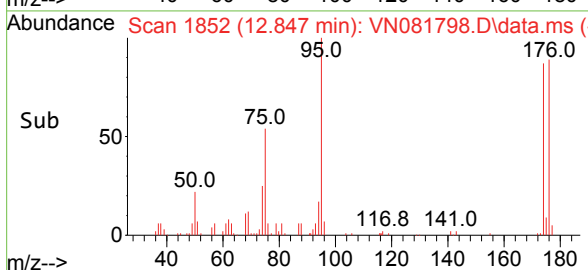
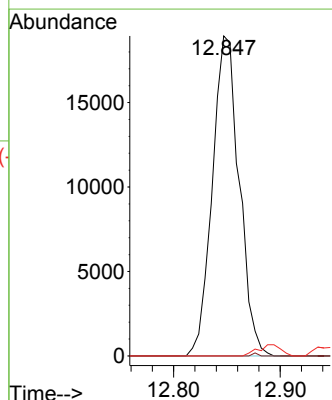
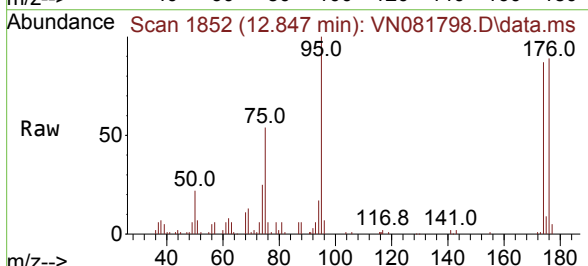
Tgt Ion: 75 Resp: 33173

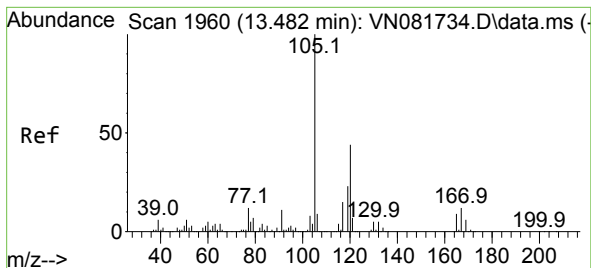
Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#





#84

1,2,4-Trimethylbenzene

Concen: 0.391 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN081798.D

Acq: 18 Apr 2024 19:30

Instrument :

MSVOA_N

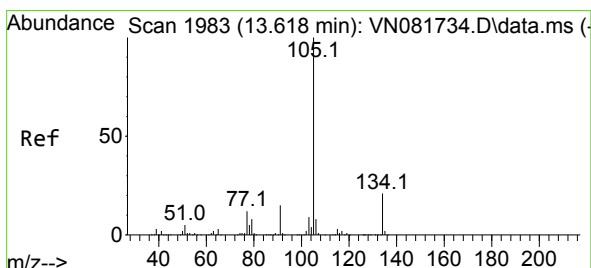
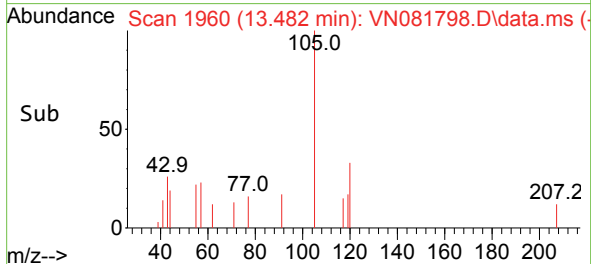
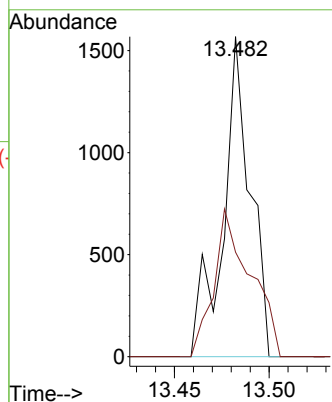
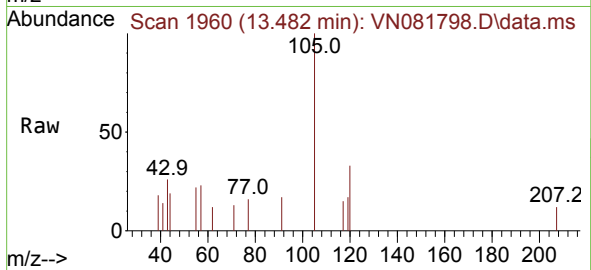
ClientSampleId :

Tgt Ion:105 Resp: 1563

Ion Ratio Lower Upper

105 100

120 62.3 22.9 68.7



#85

sec-Butylbenzene

Concen: 0.323 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.136 min

Lab File: VN081798.D

Acq: 18 Apr 2024 19:30

Tgt Ion:105 Resp: 1563

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#

