

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041824\
 Data File : VN081782.D
 Acq On : 18 Apr 2024 13:06
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 01:21:30 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)

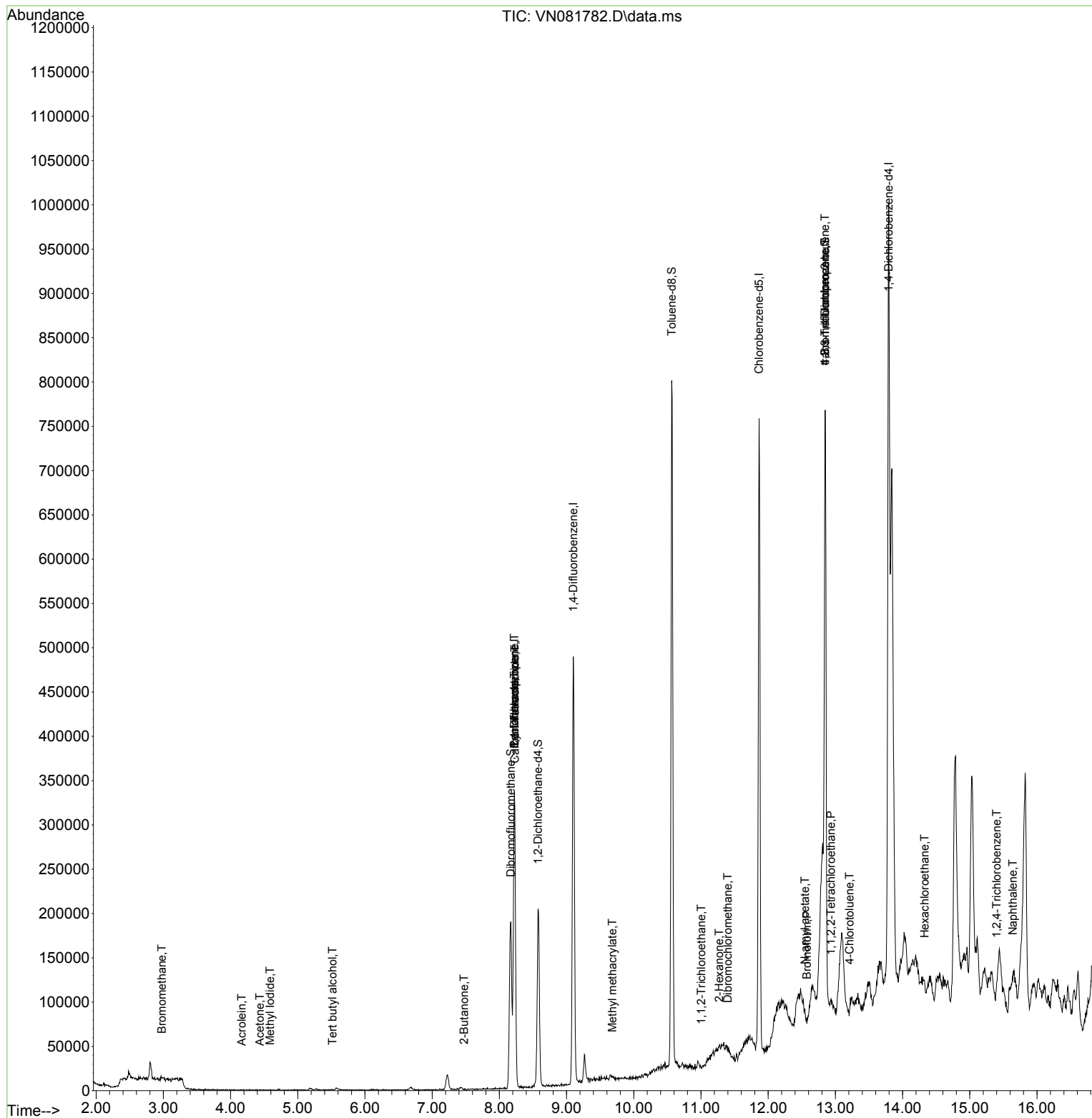
Internal Standards						
1) Pentafluorobenzene	8.224	168	235327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	420879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	410671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	166487	50.276	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.560%			
35) Dibromofluoromethane	8.171	113	137788	49.577	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.160%			
50) Toluene-d8	10.565	98	536163	52.366	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.740%			
62) 4-Bromofluorobenzene	12.847	95	215306	61.537	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 123.080%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1107	Below Cal	#	43
5) Bromomethane	2.977	94	1752	0.795	ug/l #	60
6) Chloroethane	3.142	64	349	Below Cal	#	44
10) Methyl Iodide	4.589	142	418	0.264	ug/l #	67
11) Tert butyl alcohol	5.518	59	165	0.365	ug/l #	71
13) Acrolein	4.165	56	129	0.269	ug/l #	34
16) Acetone	4.436	43	279	0.303	ug/l #	43
20) Methylene Chloride	5.277	84	519	Below Cal	#	49
25) 2-Butanone	7.477	43	375	0.247	ug/l #	43
31) Cyclohexane	8.224	56	6794	1.496	ug/l #	36
36) 1,1-Dichloropropene	8.224	75	20597	5.319	ug/l #	50
38) Carbon Tetrachloride	8.230	117	25673	5.699	ug/l #	14
48) Methyl methacrylate	9.682	41	643	0.266	ug/l #	58
55) 1,1,2-Trichloroethane	11.006	97	1108	0.385	ug/l #	25
59) 2-Hexanone	11.271	43	804	0.336	ug/l	62
60) Dibromochloromethane	11.400	129	933	0.268	ug/l	61
71) Bromoform	12.576	173	634	0.255	ug/l #	70
74) N-amyl acetate	12.547	43	1855	0.345	ug/l #	34
75) 1,1,2,2-Tetrachloroethane	12.935	83	3891	0.897	ug/l #	25
76) 1,2,3-Trichloropropane	12.847	75	110805	29.393	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	110805	68.890	ug/l #	13
82) 4-Chlorotoluene	13.212	91	2409	0.228	ug/l	99
90) Hexachloroethane	14.329	117	621	0.242	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.794	75	476	Below Cal		64
93) 1,2,4-Trichlorobenzene	15.400	180	1131	0.315	ug/l #	7
95) Naphthalene	15.641	128	5375	0.469	ug/l #	54

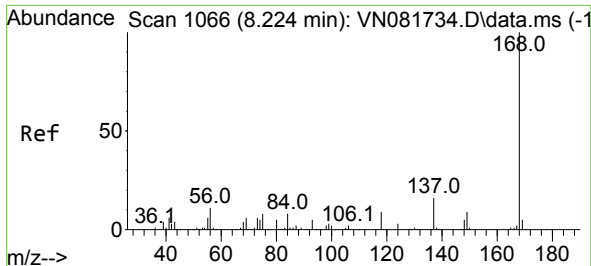
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Apr 15 15:37:39 2024
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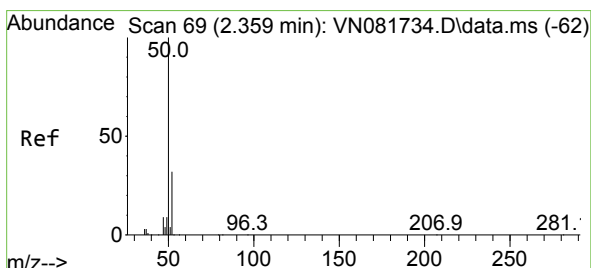
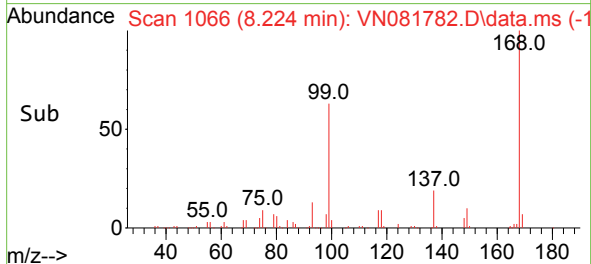
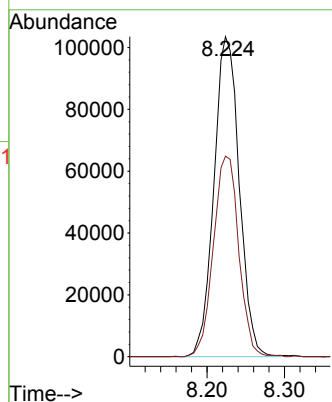
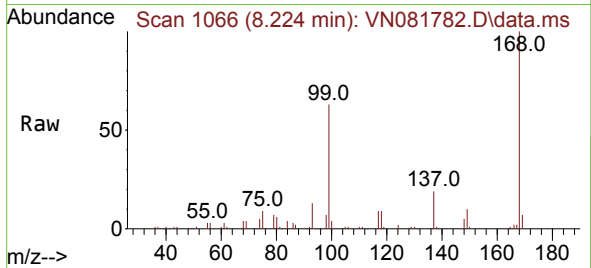




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

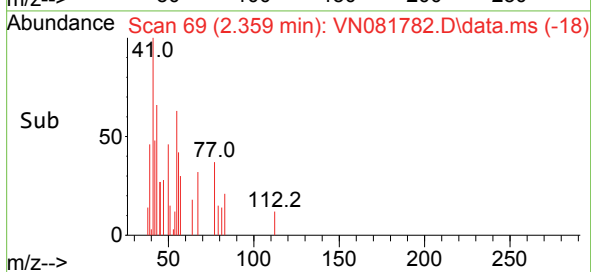
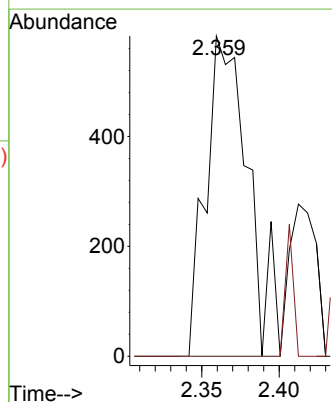
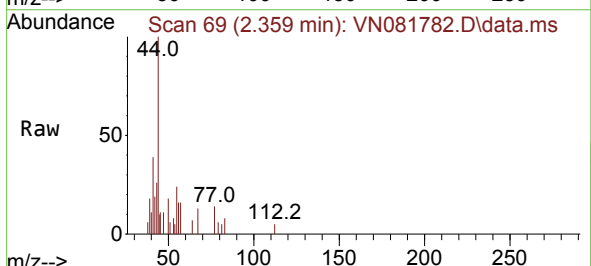
Instrument :
MSVOA_N
ClientSampleId :

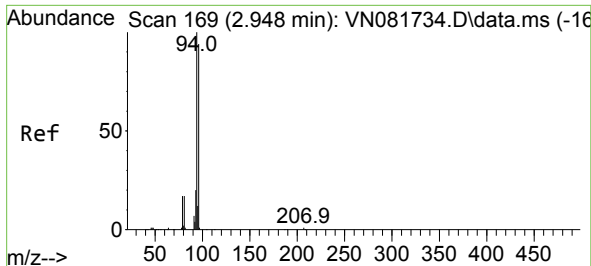
Tgt Ion:168 Resp: 235327
Ion Ratio Lower Upper
168 100
99 62.6 48.2 72.4



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

Tgt Ion: 50 Resp: 1107
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

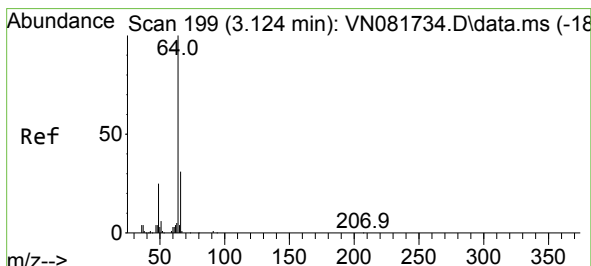
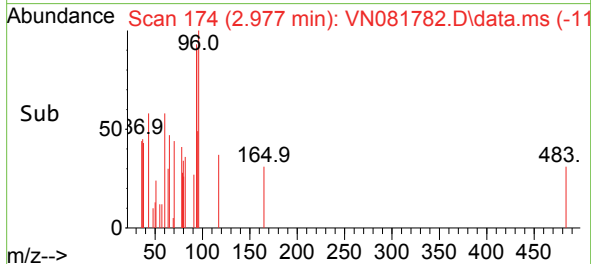
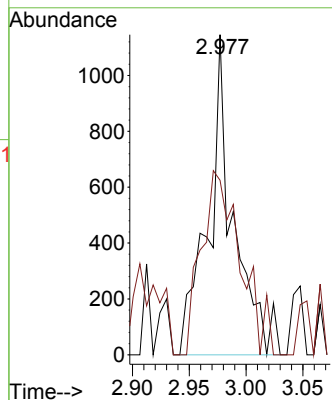
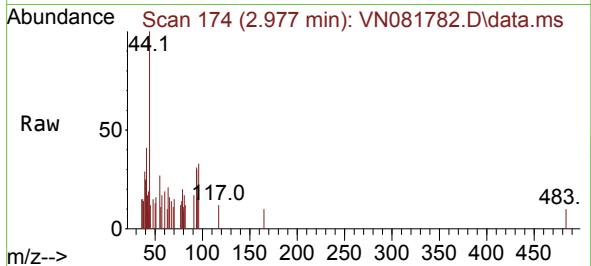




#5
Bromomethane
Concen: 0.795 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

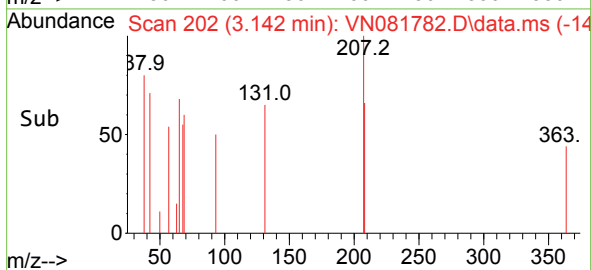
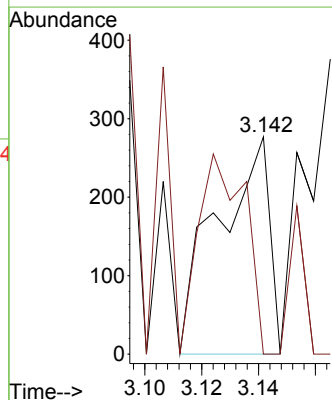
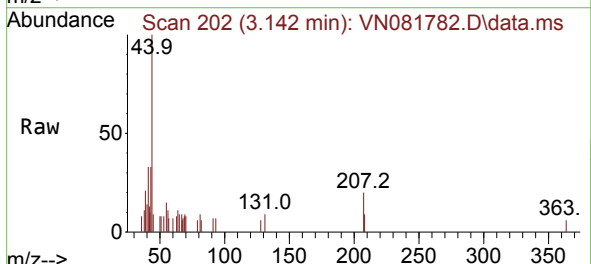
Instrument :
MSVOA_N
ClientSampleId :

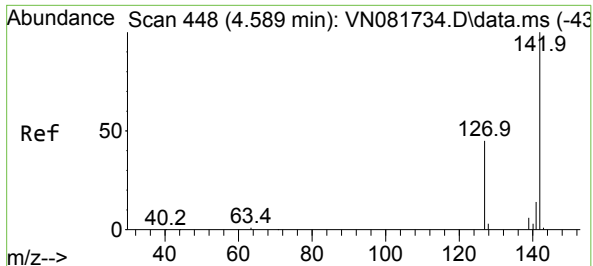
Tgt Ion: 94 Resp: 1752
Ion Ratio Lower Upper
94 100
96 54.5 74.8 112.2#



#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.018 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

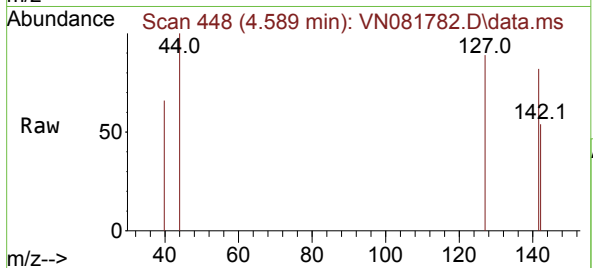
Tgt Ion: 64 Resp: 349
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



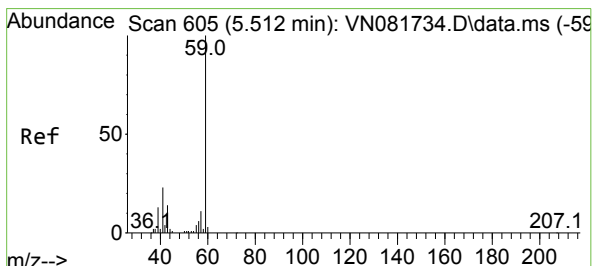
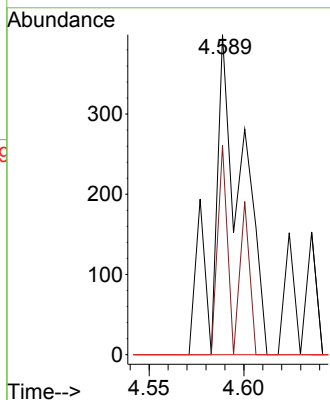
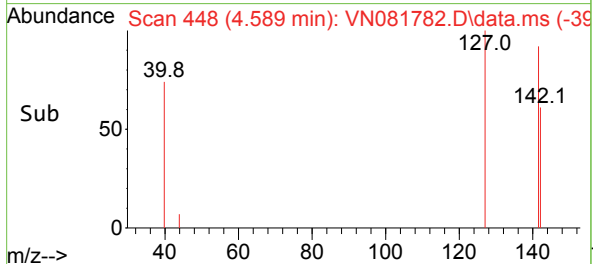


#10
Methyl Iodide
Concen: 0.264 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

Instrument :
MSVOA_N
ClientSampleId :

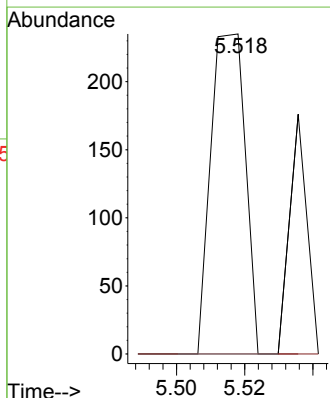
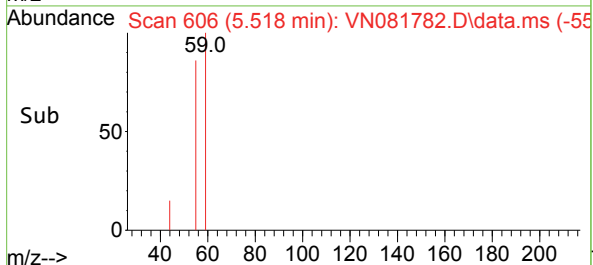
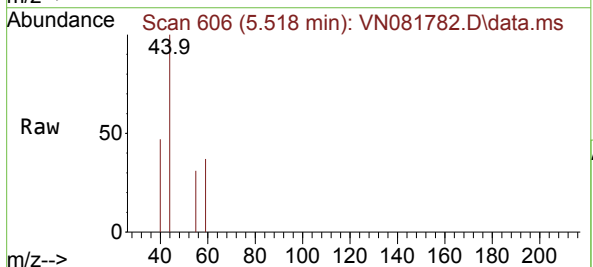


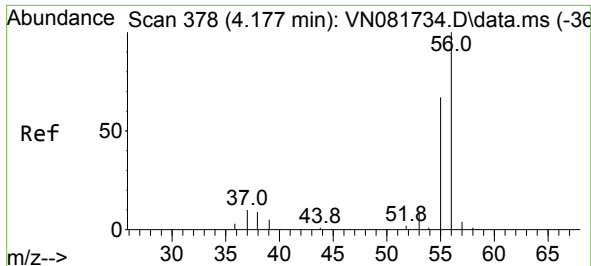
Tgt Ion:142 Resp: 418
Ion Ratio Lower Upper
142 100
127 65.4 35.8 53.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.365 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

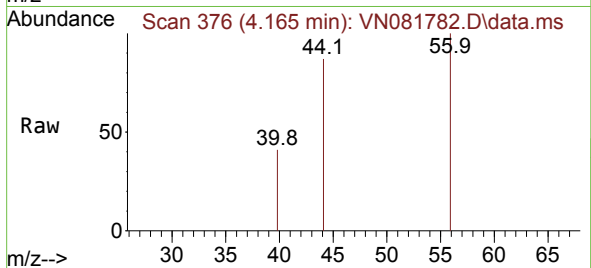
Tgt Ion: 59 Resp: 165
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



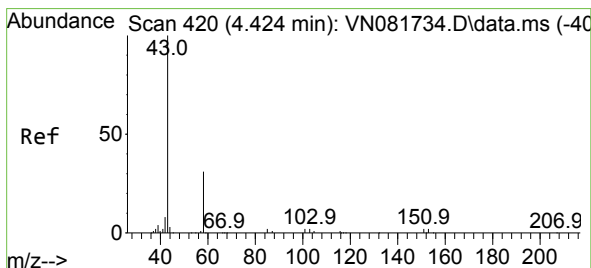
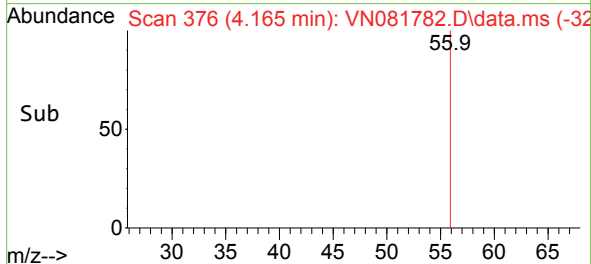
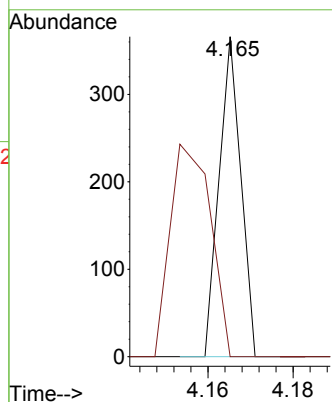


#13
Acrolein
Concen: 0.269 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

Instrument :
MSVOA_N
ClientSampleId :

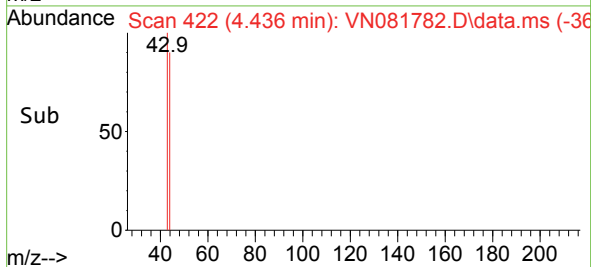
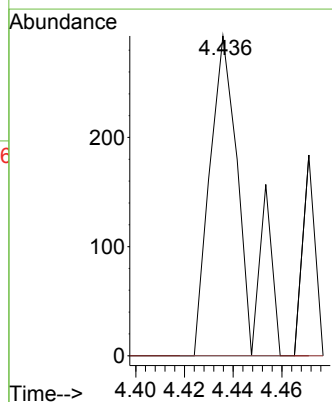
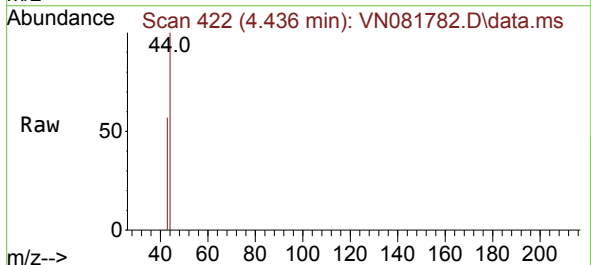


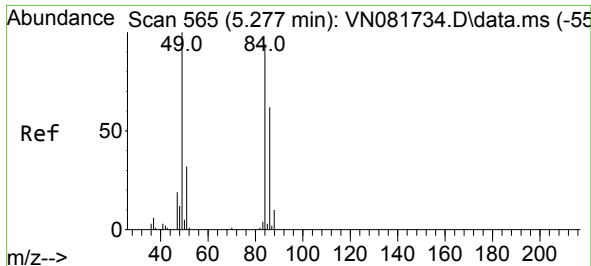
Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 124.0 55.8 83.8#



#16
Acetone
Concen: 0.303 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

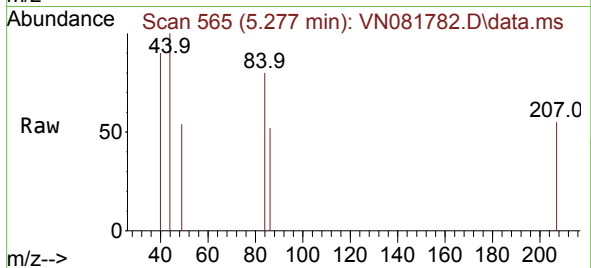
Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#



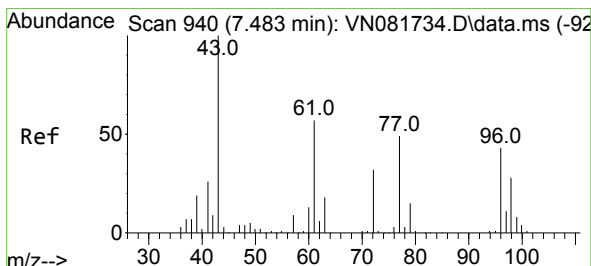
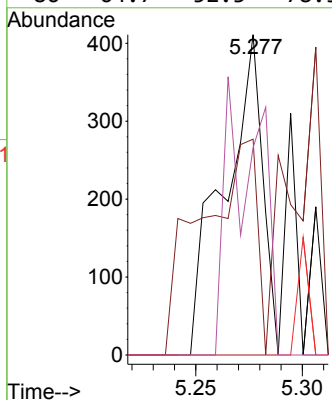
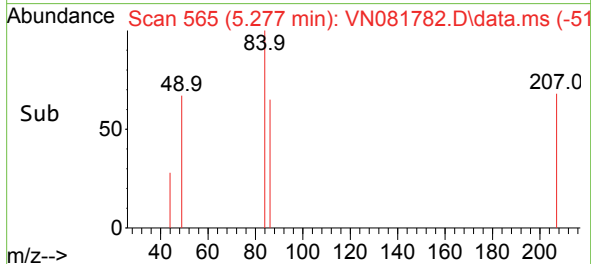


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

Instrument :
MSVOA_N
ClientSampleId :

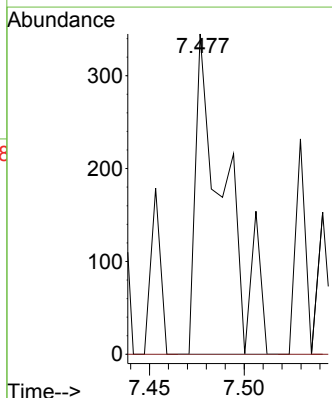
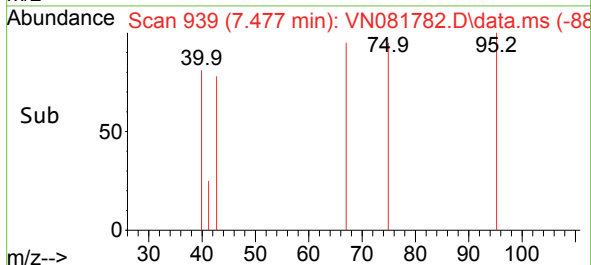
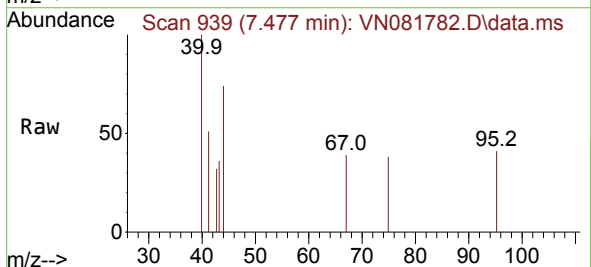


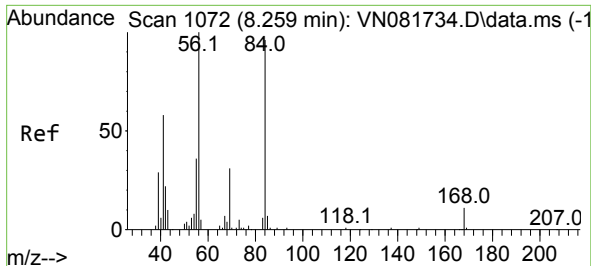
Tgt Ion: 84 Resp: 519
Ion Ratio Lower Upper
84 100
49 24.8 84.9 127.3#
51 0.0 27.0 40.6#
86 64.7 52.3 78.5



#25
2-Butanone
Concen: 0.247 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

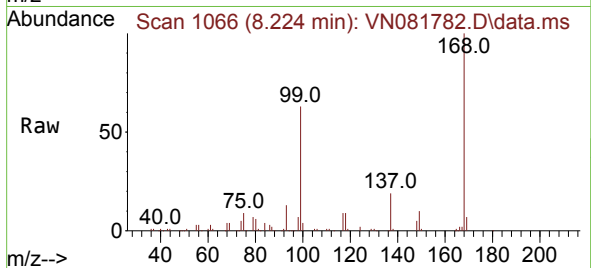
Tgt Ion: 43 Resp: 375
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



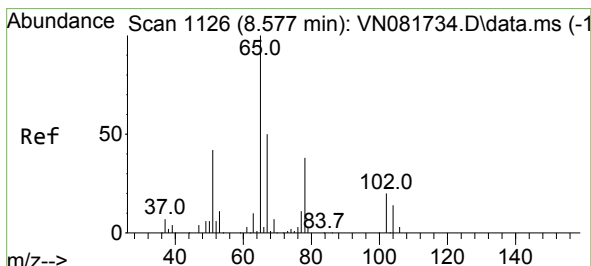
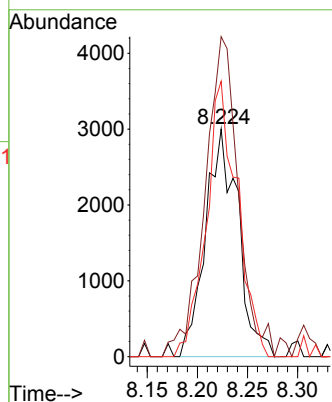
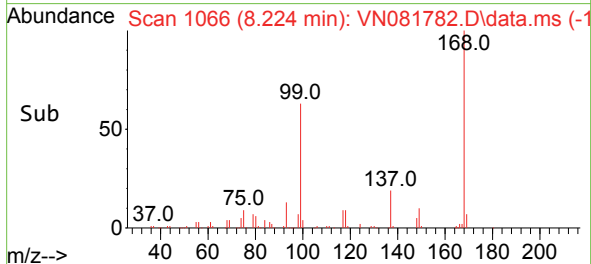


#31
Cyclohexane
Concen: 1.496 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

Instrument :
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ClientSampleId :

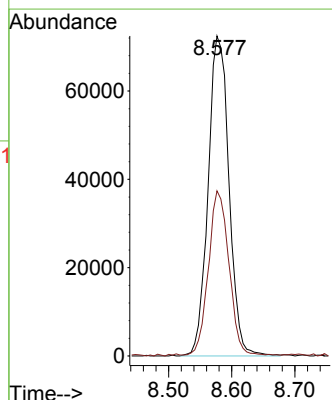
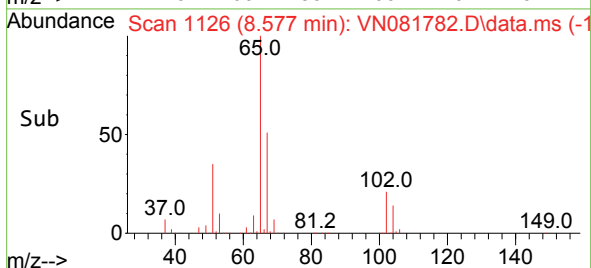
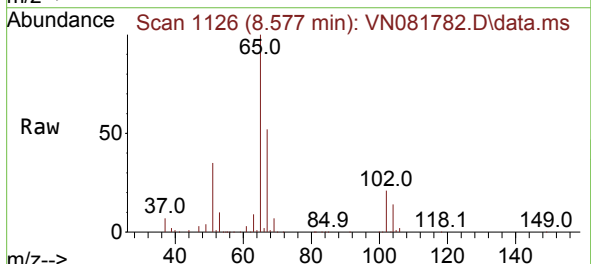


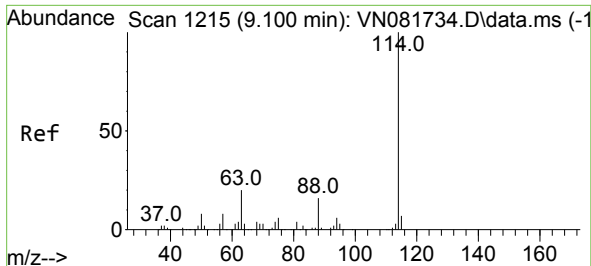
Tgt Ion: 56 Resp: 6794
Ion Ratio Lower Upper
56 100
69 132.2 24.4 36.6#
84 120.9 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 50.276 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

Tgt Ion: 65 Resp: 166487
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.0

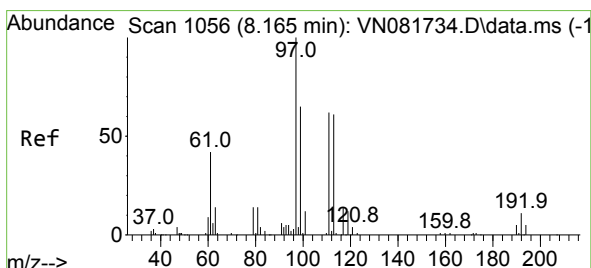
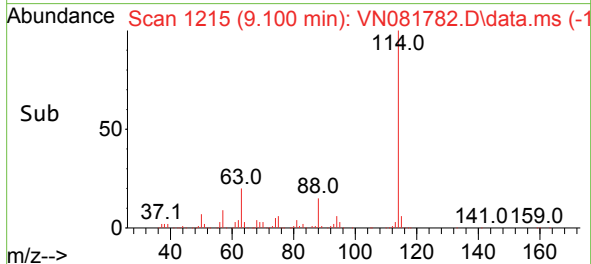
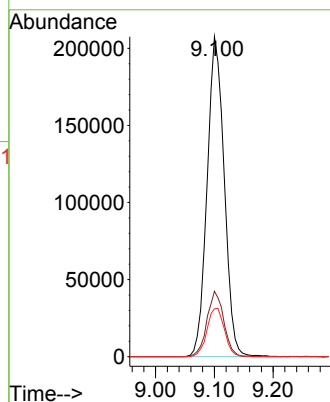
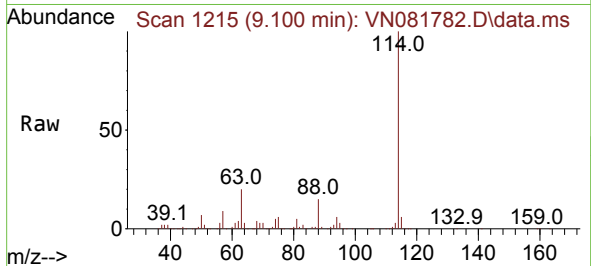




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

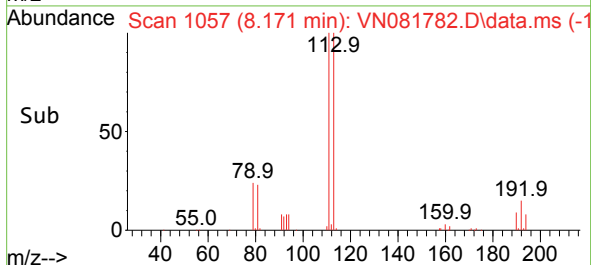
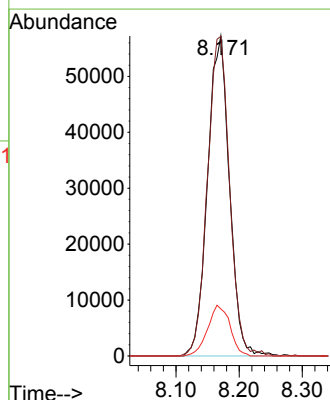
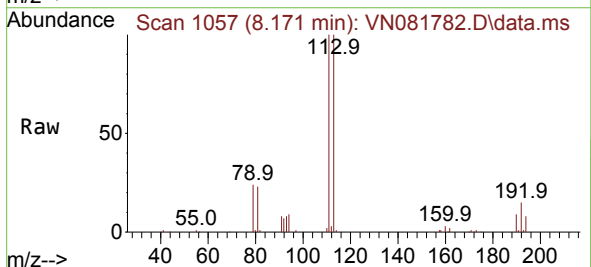
Instrument :
MSVOA_N
ClientSampleId :

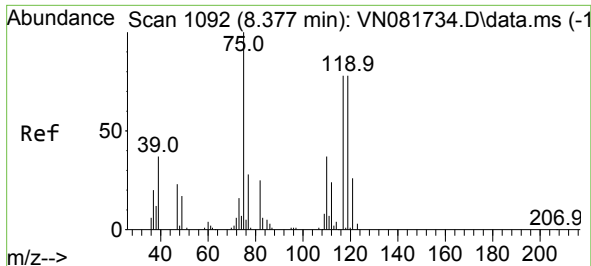
Tgt Ion:114 Resp: 420879
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.0
88 14.9 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.577 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

Tgt Ion:113 Resp: 137788
Ion Ratio Lower Upper
113 100
111 101.0 83.4 125.2
192 16.2 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.319 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

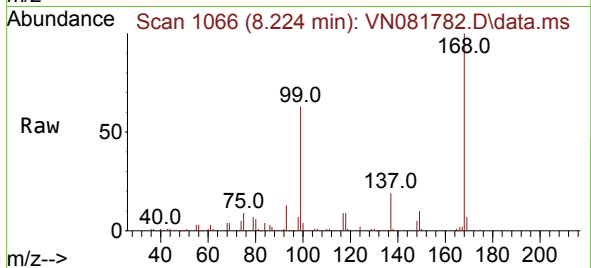
Lab File: VN081782.D

Acq: 18 Apr 2024 13:06

Instrument :

MSVOA_N

ClientSampleId :



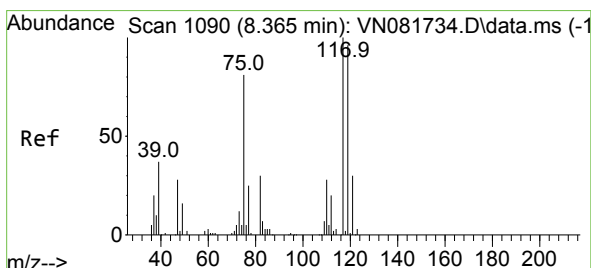
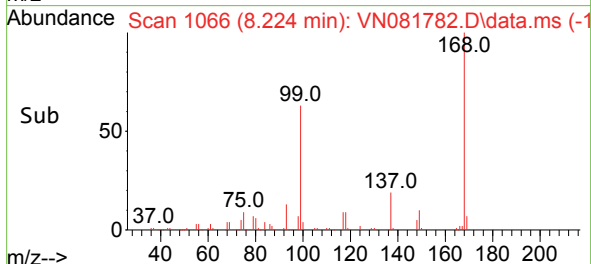
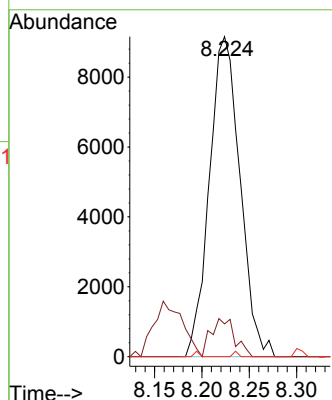
Tgt Ion: 75 Resp: 20597

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.5#

77 0.3 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.699 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN081782.D

Acq: 18 Apr 2024 13:06

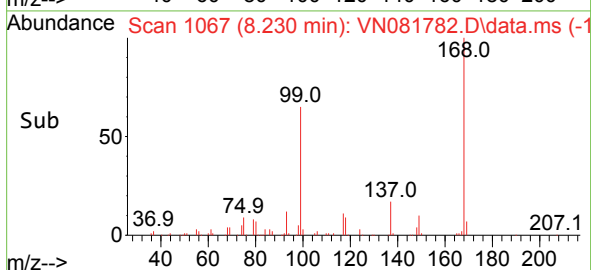
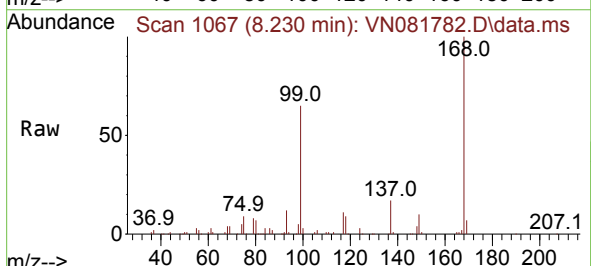
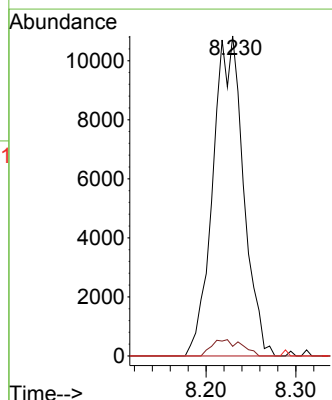
Tgt Ion: 117 Resp: 25673

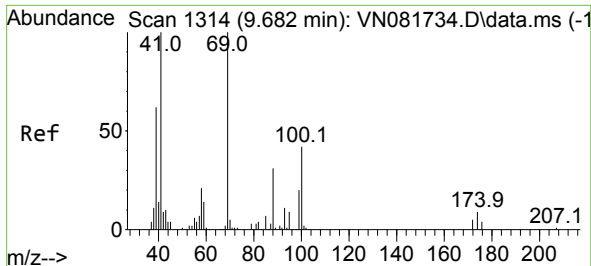
Ion Ratio Lower Upper

117 100

119 3.0 76.5 114.7#

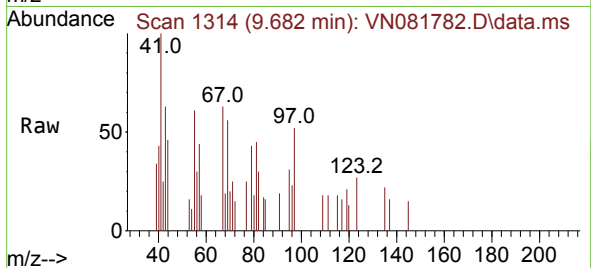
121 0.0 23.9 35.9#



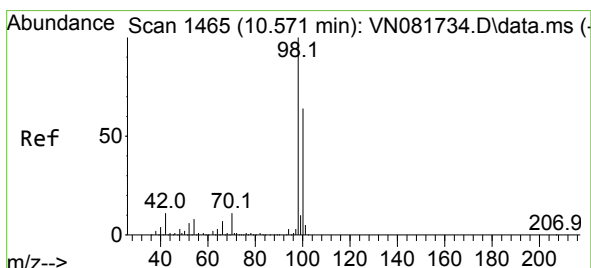
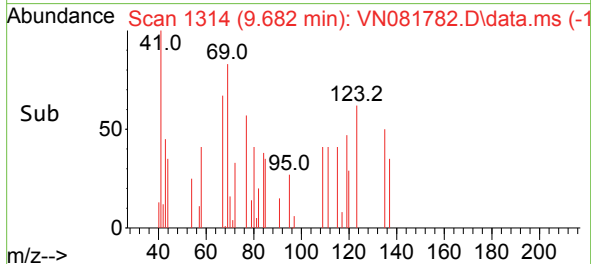
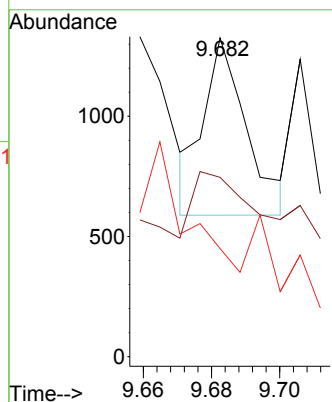


#48
Methyl methacrylate
Concen: 0.266 ug/l
RT: 9.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

Instrument :
MSVOA_N
ClientSampleId :

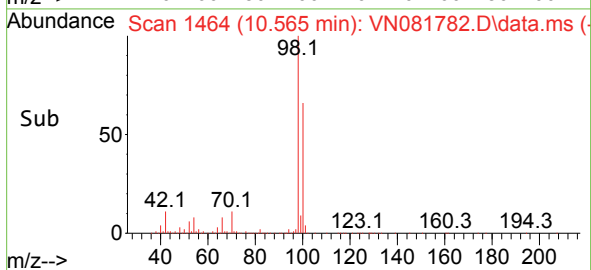
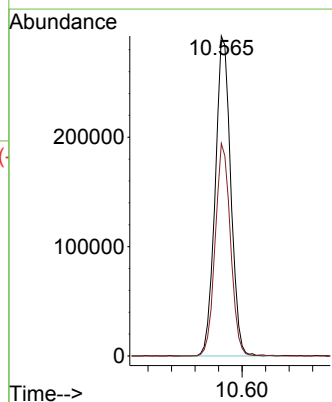
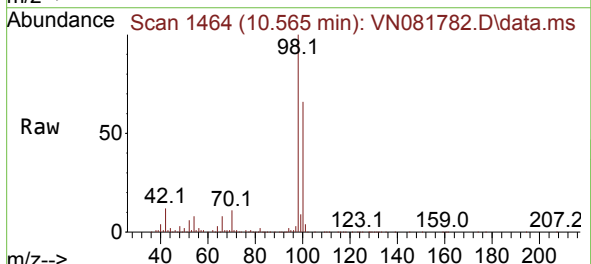


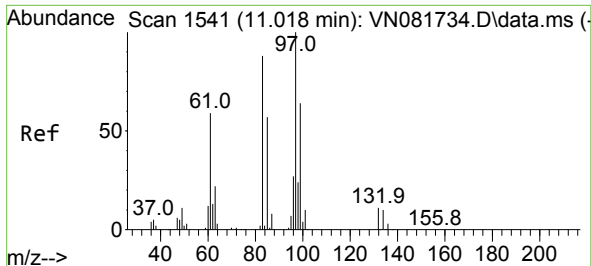
Tgt Ion: 41 Resp: 643
Ion Ratio Lower Upper
41 100
69 81.5 77.9 116.9
39 0.0 50.9 76.3#



#50
Toluene-d8
Concen: 52.366 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

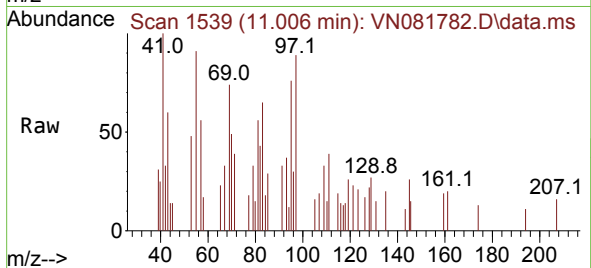
Tgt Ion: 98 Resp: 536163
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



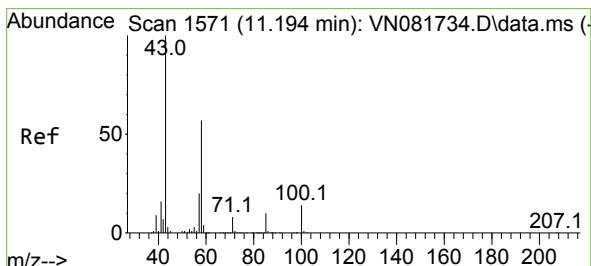
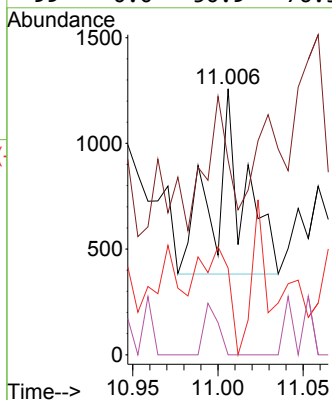
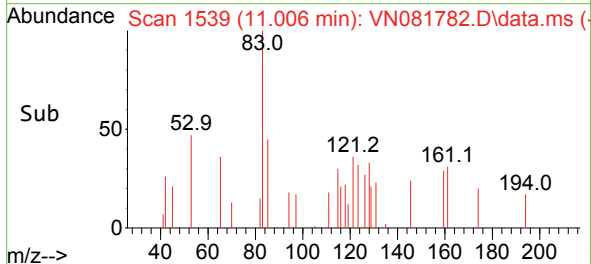


#55
1,1,2-Trichloroethane
Concen: 0.385 ug/l
RT: 11.006 min Scan# 1108
Delta R.T. -0.012 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

Instrument :
MSVOA_N
ClientSampleId :

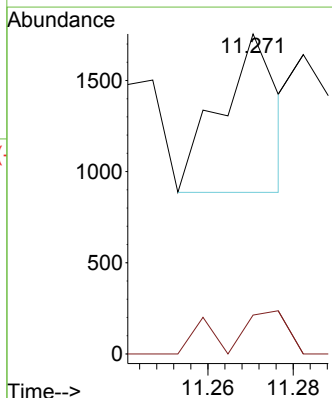
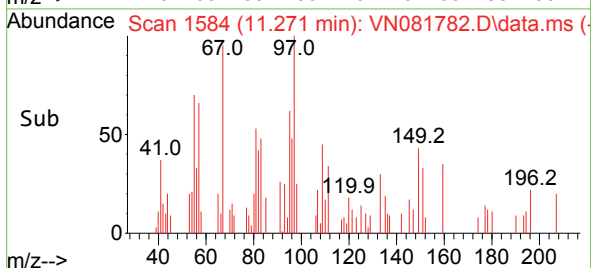
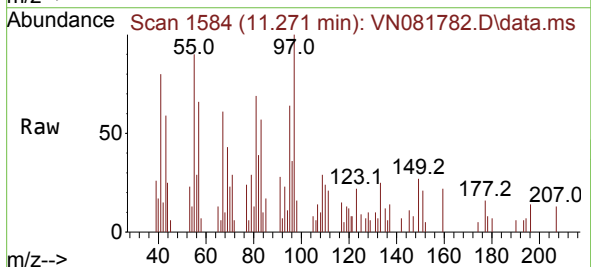


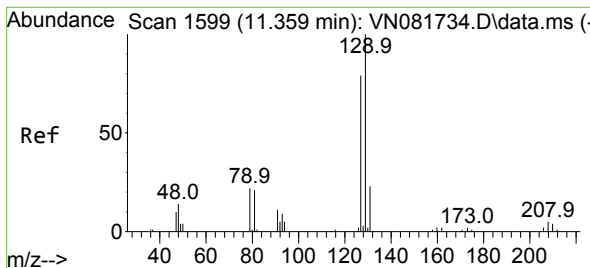
Tgt Ion: 97	Resp: 1108
Ion Ratio	Lower Upper
97	100
83	9.2 70.4 105.6#
85	18.8 45.6 68.4#
99	0.0 50.9 76.3#



#59
2-Hexanone
Concen: 0.336 ug/l
RT: 11.271 min Scan# 1584
Delta R.T. 0.077 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

Tgt Ion: 43	Resp: 804
Ion Ratio	Lower Upper
43	100
58	28.6 28.3 84.9





#60

Dibromochloromethane

Concen: 0.268 ug/l

RT: 11.400 min Scan# 1

Delta R.T. 0.041 min

Lab File: VN081782.D

Acq: 18 Apr 2024 13:06

Instrument :

MSVOA_N

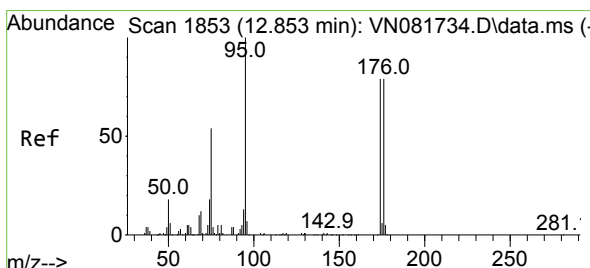
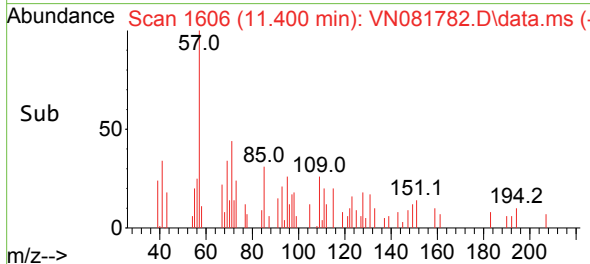
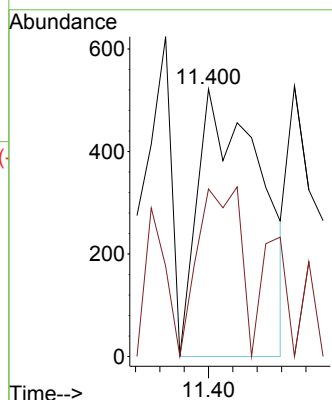
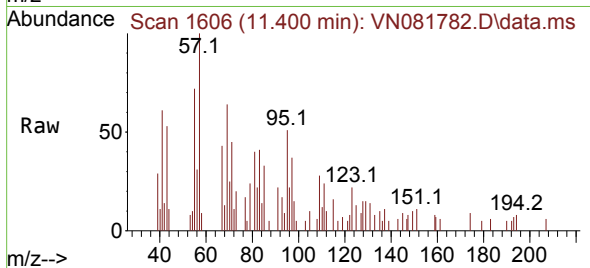
ClientSampleId :

Tgt Ion:129 Resp: 933

Ion Ratio Lower Upper

129 100

127 42.7 38.3 114.8



#62

4-Bromofluorobenzene

Concen: 61.537 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.006 min

Lab File: VN081782.D

Acq: 18 Apr 2024 13:06

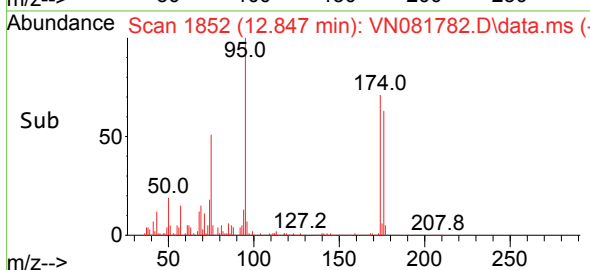
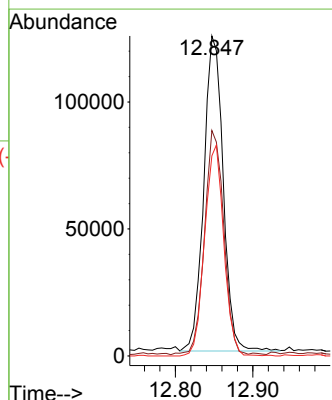
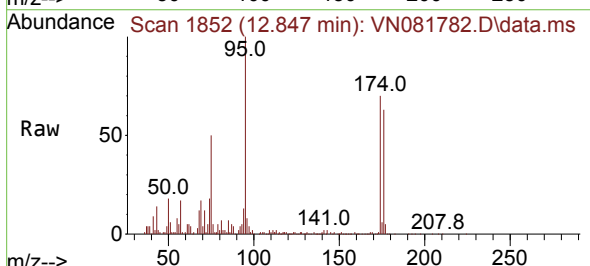
Tgt Ion: 95 Resp: 215306

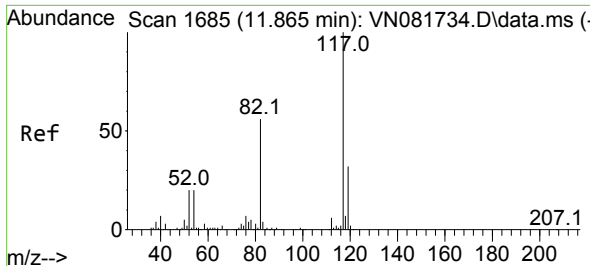
Ion Ratio Lower Upper

95 100

174 70.5 0.0 160.6

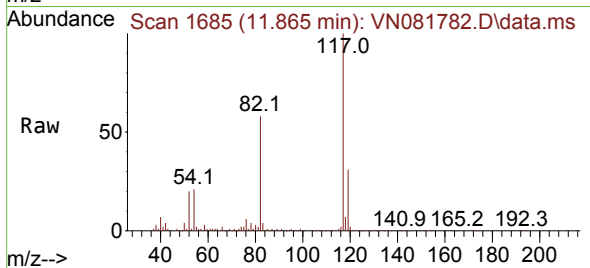
176 66.3 0.0 152.8



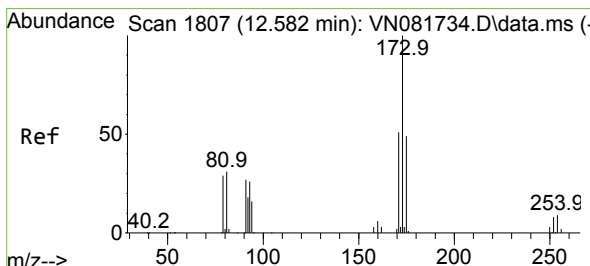
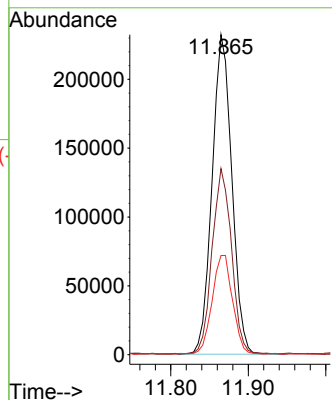
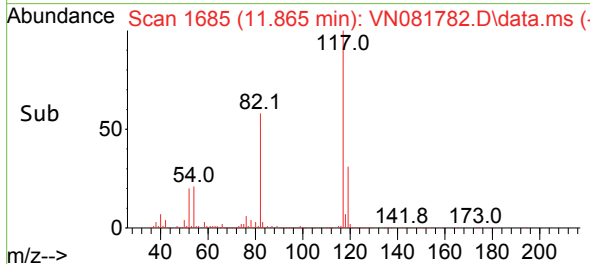


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

Instrument :
MSVOA_N
ClientSampleId :

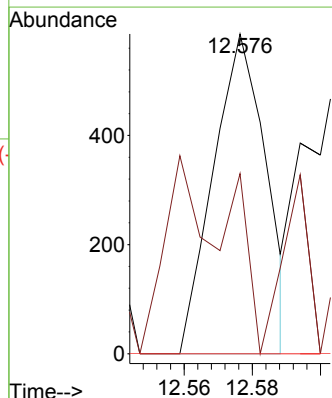
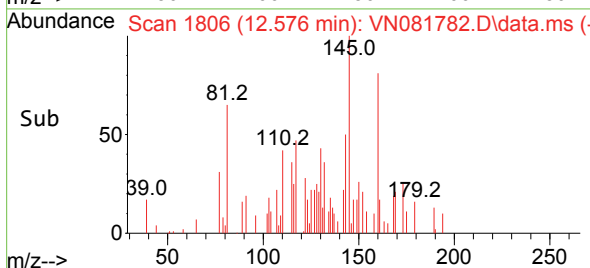
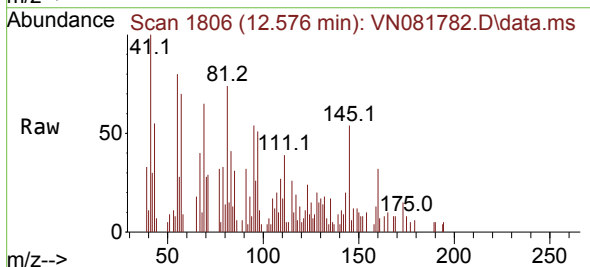


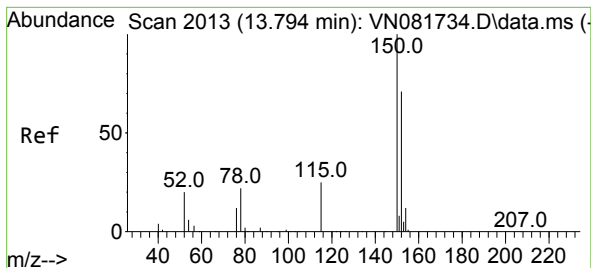
Tgt Ion:117 Resp: 410671
Ion Ratio Lower Upper
117 100
82 58.1 44.6 66.8
119 30.8 25.9 38.9



#71
Bromoform
Concen: 0.255 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VN081782.D
Acq: 18 Apr 2024 13:06

Tgt Ion:173 Resp: 634
Ion Ratio Lower Upper
173 100
175 70.0 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

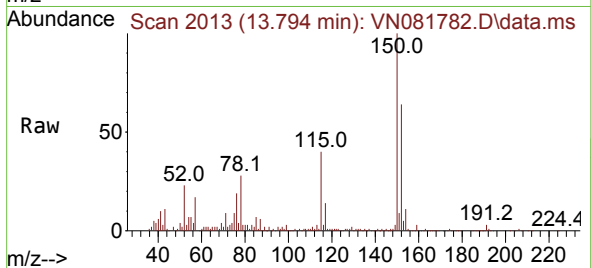
Lab File: VN081782.D

Acq: 18 Apr 2024 13:06

Instrument :

MSVOA_N

ClientSampleId :



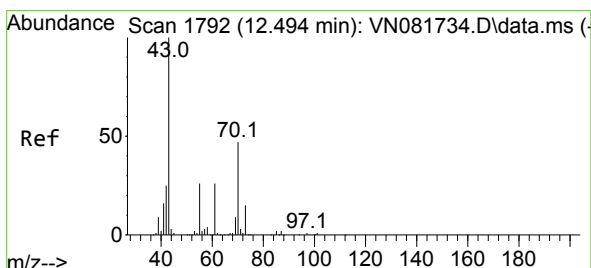
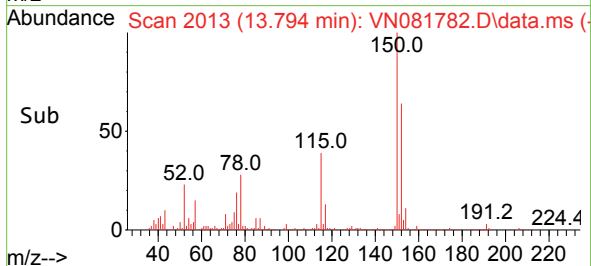
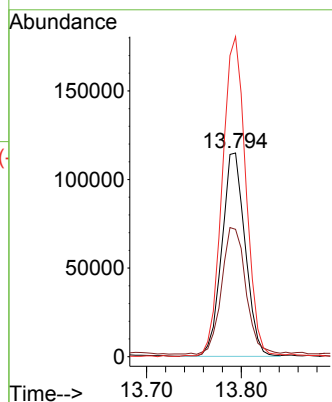
Tgt Ion:152 Resp: 196806

Ion Ratio Lower Upper

152 100

115 64.2 30.4 91.3

150 158.6 0.0 353.2



#74

N-ethyl acetate

Concen: 0.345 ug/l

RT: 12.547 min Scan# 1801

Delta R.T. 0.053 min

Lab File: VN081782.D

Acq: 18 Apr 2024 13:06

Tgt Ion: 43 Resp: 1855

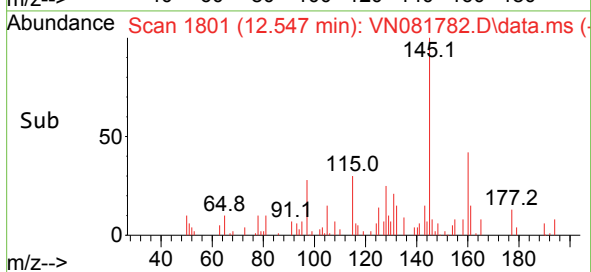
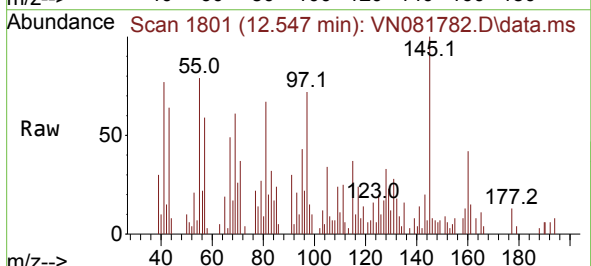
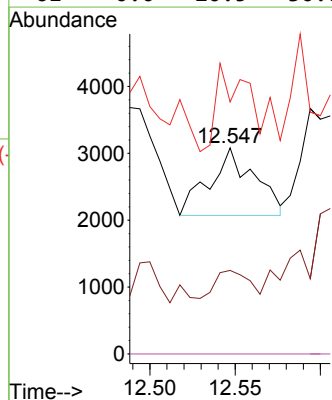
Ion Ratio Lower Upper

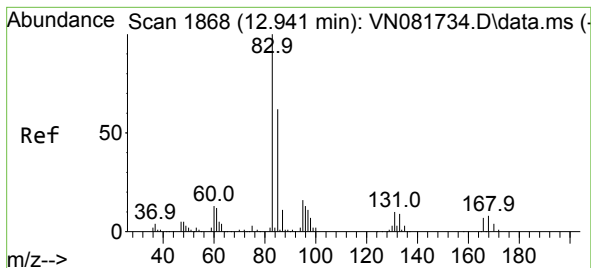
43 100

70 29.9 39.0 58.4#

55 104.5 21.3 31.9#

61 0.0 20.5 30.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.897 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VN081782.D

Acq: 18 Apr 2024 13:06

Instrument :

MSVOA_N

ClientSampleId :

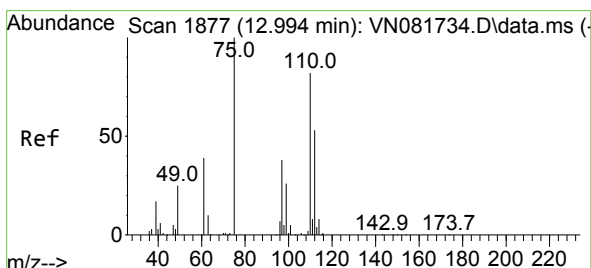
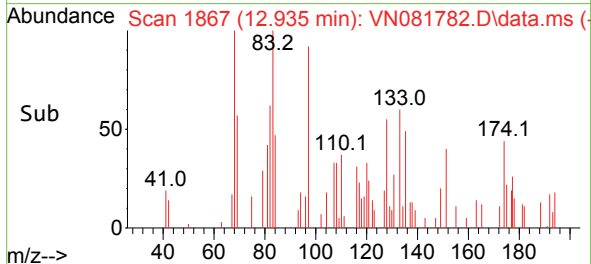
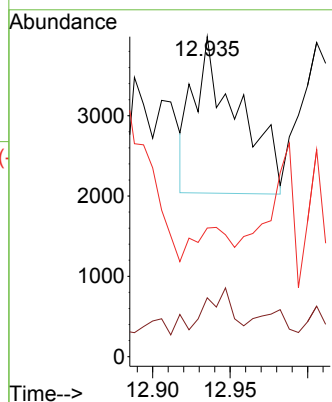
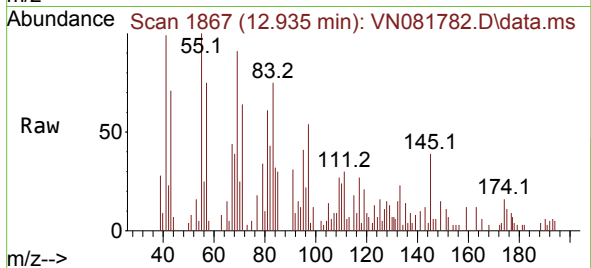
Tgt Ion: 83 Resp: 3891

Ion Ratio Lower Upper

83 100

131 20.2 5.5 16.4#

85 0.0 32.9 98.6#



#76

1,2,3-Trichloropropane

Concen: 29.393 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081782.D

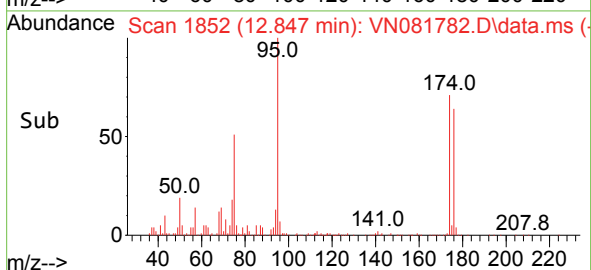
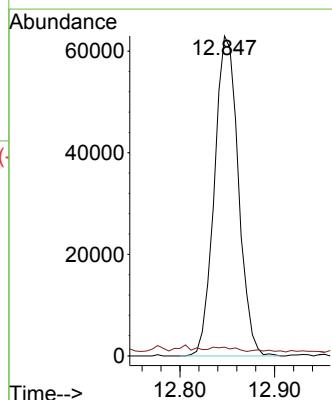
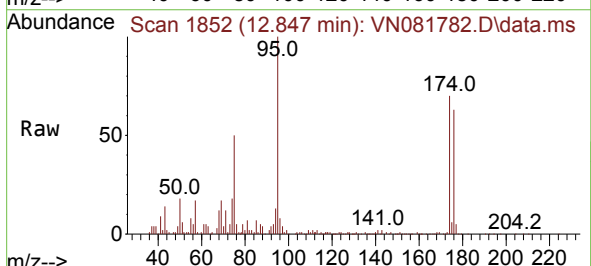
Acq: 18 Apr 2024 13:06

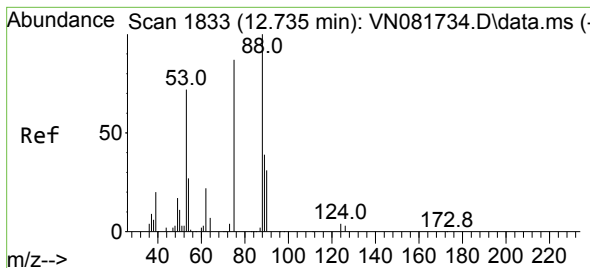
Tgt Ion: 75 Resp: 110805

Ion Ratio Lower Upper

75 100

77 1.4 90.5 271.3#

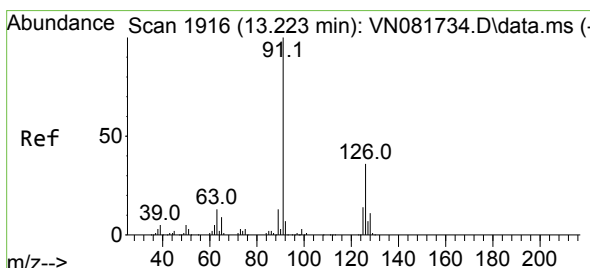
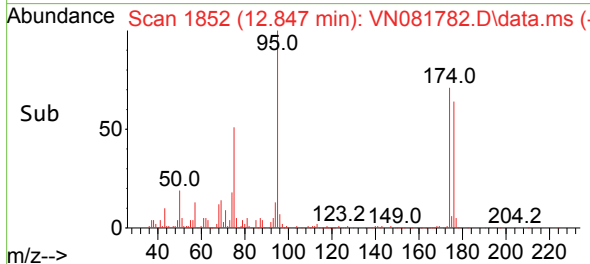
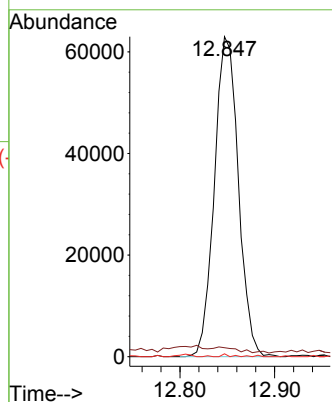
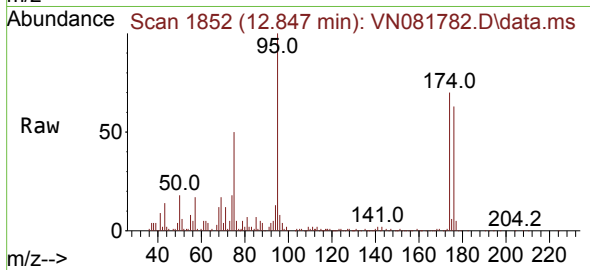




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.890 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081782.D
 Acq: 18 Apr 2024 13:06

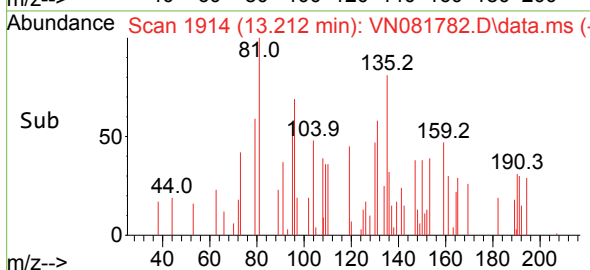
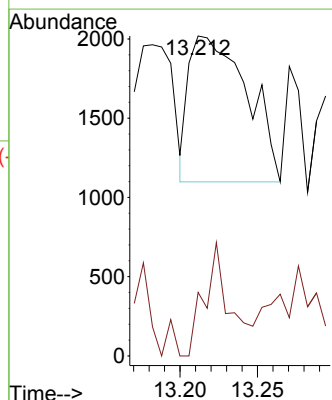
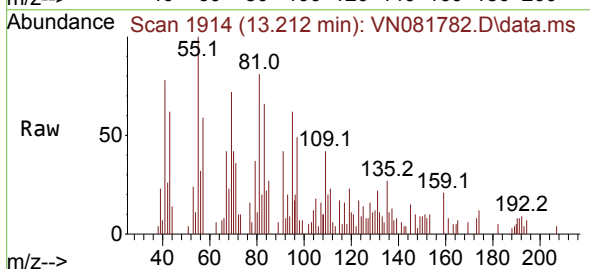
Instrument :
 MSVOA_N
 ClientSampleId :

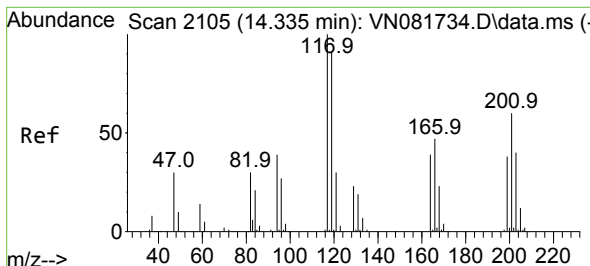
Tgt Ion: 75 Resp: 110805
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.3 39.1 58.7#



#82
 4-Chlorotoluene
 Concen: 0.228 ug/l
 RT: 13.212 min Scan# 1914
 Delta R.T. -0.011 min
 Lab File: VN081782.D
 Acq: 18 Apr 2024 13:06

Tgt Ion: 91 Resp: 2409
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.4 52.3





#90

Hexachloroethane

Concen: 0.242 ug/l

RT: 14.329 min Scan# 2105

Delta R.T. -0.006 min

Lab File: VN081782.D

Acq: 18 Apr 2024 13:06

Instrument :

MSVOA_N

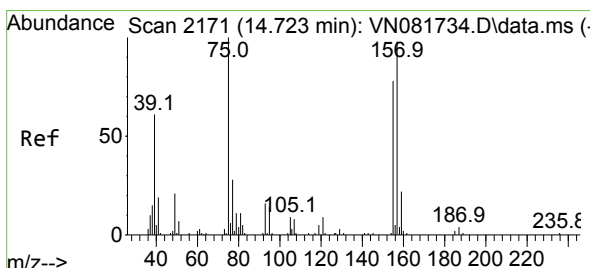
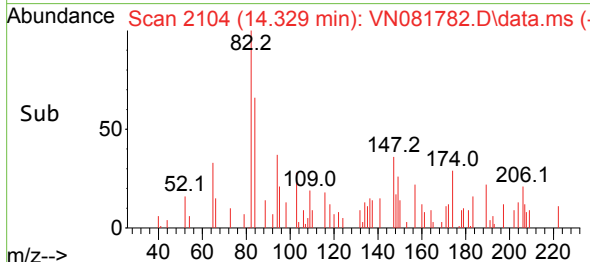
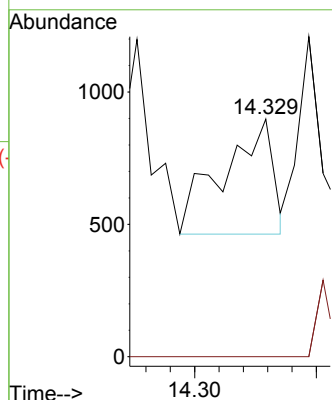
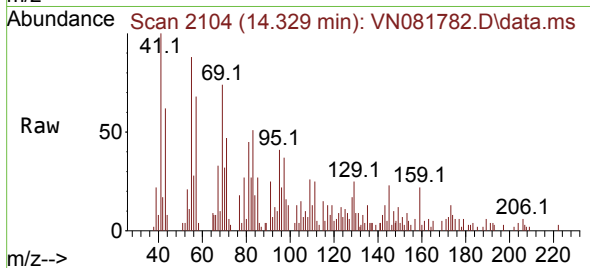
ClientSampleId :

Tgt Ion:117 Resp: 621

Ion Ratio Lower Upper

117 100

201 0.0 33.3 99.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.794 min Scan# 2183

Delta R.T. 0.071 min

Lab File: VN081782.D

Acq: 18 Apr 2024 13:06

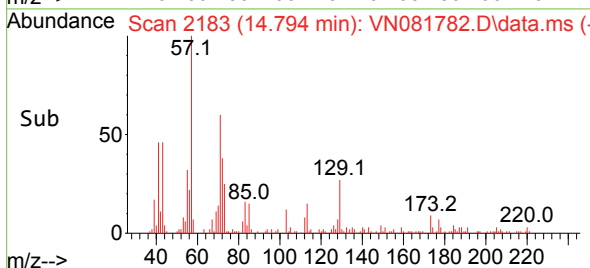
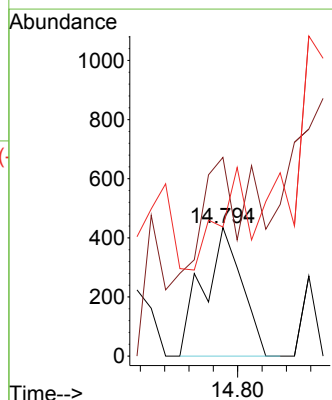
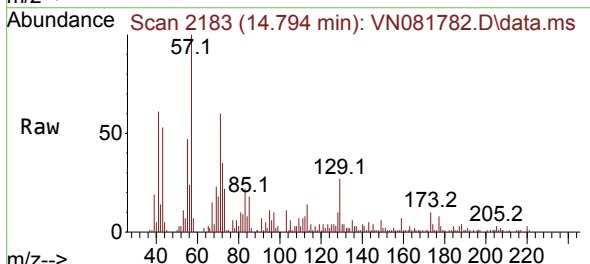
Tgt Ion: 75 Resp: 476

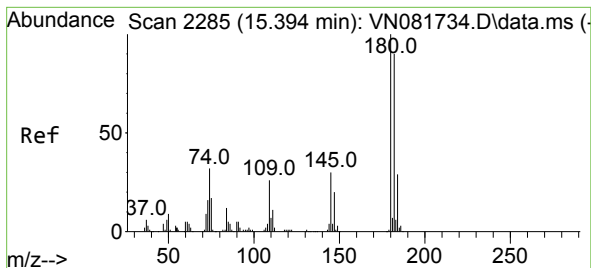
Ion Ratio Lower Upper

75 100

155 65.5 42.6 128.0

157 56.7 53.0 159.0





#93

1,2,4-Trichlorobenzene

Concen: 0.315 ug/l

RT: 15.400 min Scan# 2286

Delta R.T. 0.006 min

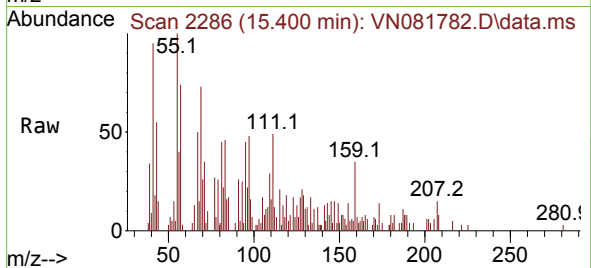
Lab File: VN081782.D

Acq: 18 Apr 2024 13:06

Instrument :

MSVOA_N

ClientSampleId :



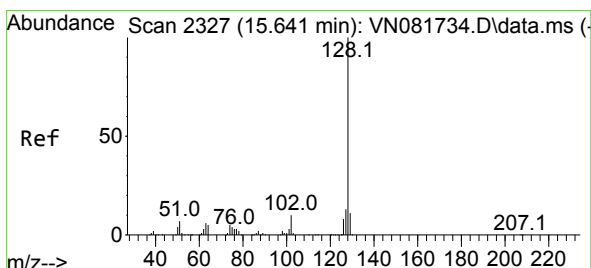
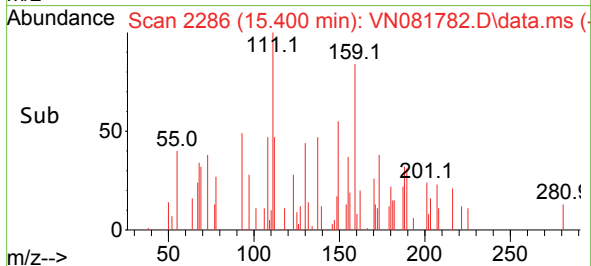
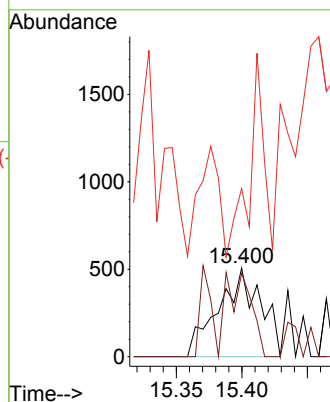
Tgt Ion:180 Resp: 1131

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.0#

145 79.0 16.2 48.6#



#95

Naphthalene

Concen: 0.469 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN081782.D

Acq: 18 Apr 2024 13:06

Tgt Ion:128 Resp: 5375

Ion Ratio Lower Upper

128 100

127 20.9 10.1 15.1#

129 39.2 8.9 13.3#

