

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080382.D
 Acq On : 06 Dec 2023 13:36
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 00:59:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	214368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	373118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	389186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	189040	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	164739	46.542	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.080%
35) Dibromofluoromethane	8.165	113	137626	49.989	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.980%
50) Toluene-d8	10.571	98	495791	49.957	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.920%
62) 4-Bromofluorobenzene	12.853	95	205122	54.719	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.440%

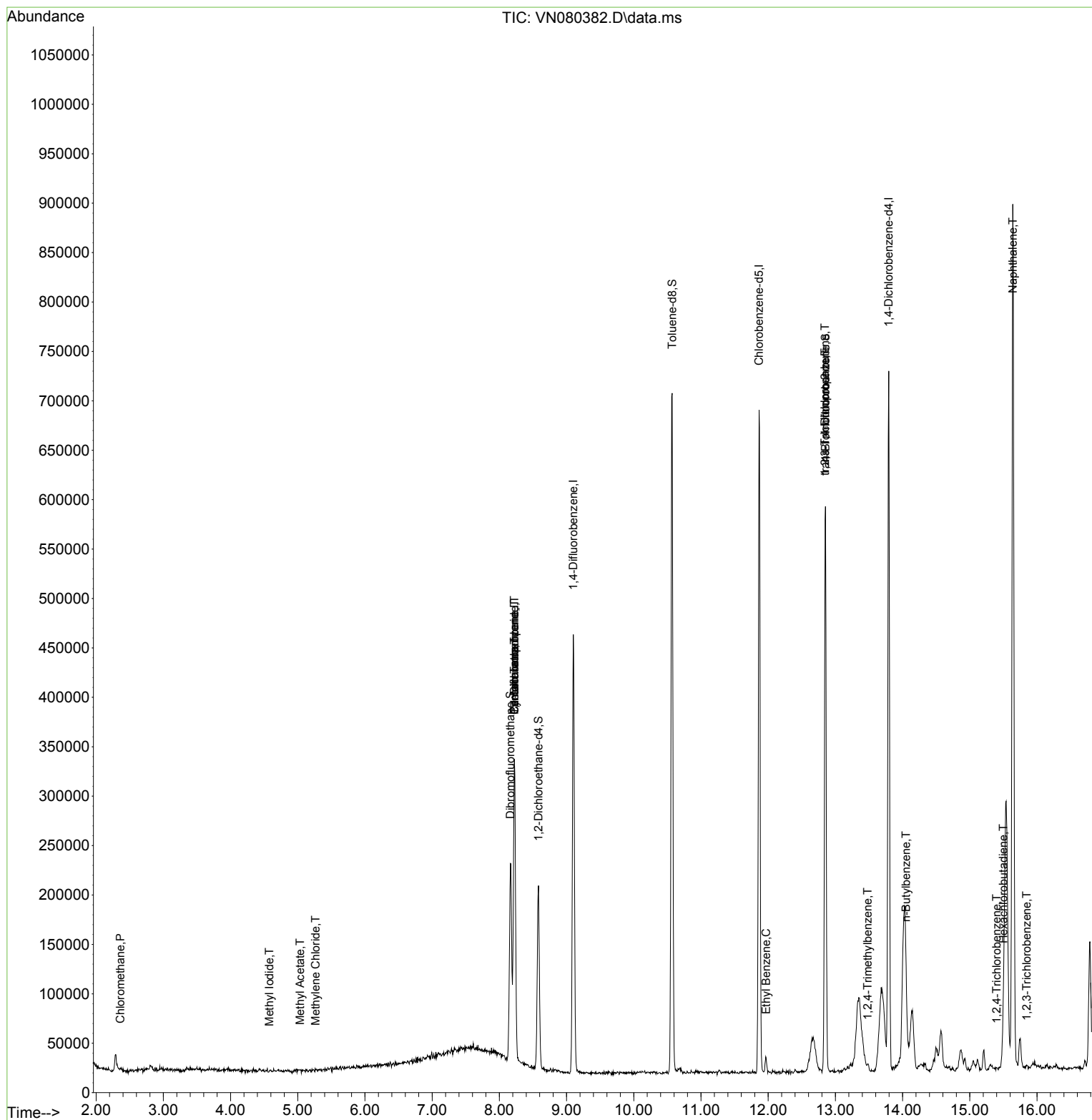
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	502	0.209	ug/l #	42
6) Chloroethane	3.118	64	829	Below Cal	#	43
10) Methyl Iodide	4.577	142	581	0.222	ug/l #	38
18) Methyl Acetate	5.036	43	807	0.211	ug/l #	57
20) Methylene Chloride	5.265	84	502	0.202	ug/l #	84
31) Cyclohexane	8.224	56	4400	1.143	ug/l #	55
36) 1,1-Dichloropropene	8.224	75	17910	4.493	ug/l #	48
38) Carbon Tetrachloride	8.224	117	23699	4.685	ug/l #	15
67) Ethyl Benzene	11.970	91	11180	0.712	ug/l	89
76) 1,2,3-Trichloropropane	12.847	75	112835	24.361	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	112835	82.306	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	3433	0.273	ug/l	98
89) n-Butylbenzene	14.053	91	2444	0.252	ug/l #	66
93) 1,2,4-Trichlorobenzene	15.400	180	868	0.234	ug/l	91
94) Hexachlorobutadiene	15.500	225	614	0.287	ug/l	82
95) Naphthalene	15.641	128	842537	78.235	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	1134	0.326	ug/l	91

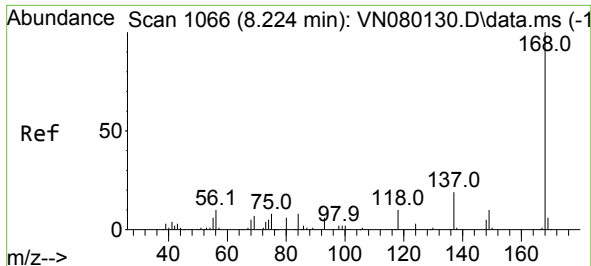
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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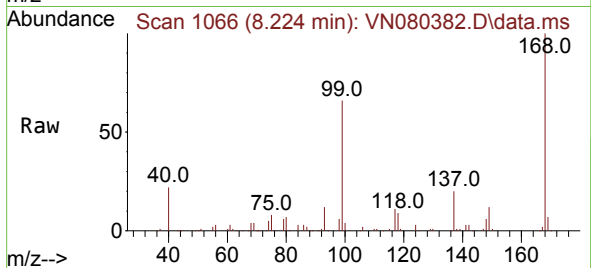
Quant Time: Dec 07 00:59:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration



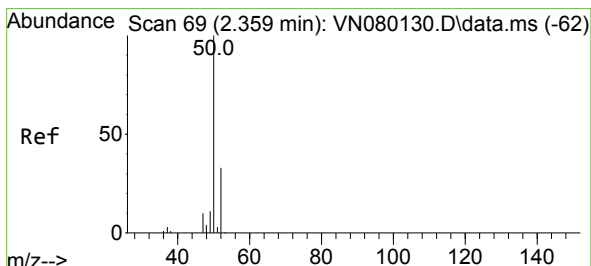
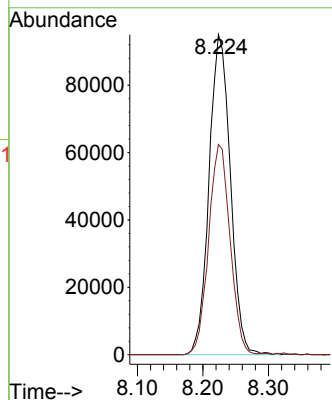
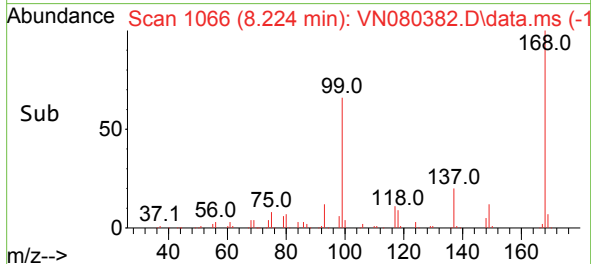


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080382.D
Acq: 06 Dec 2023 13:36

Instrument :
MSVOA_N
ClientSampleId :

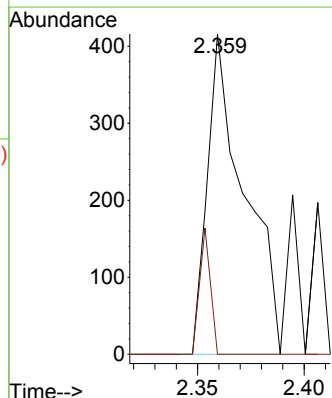
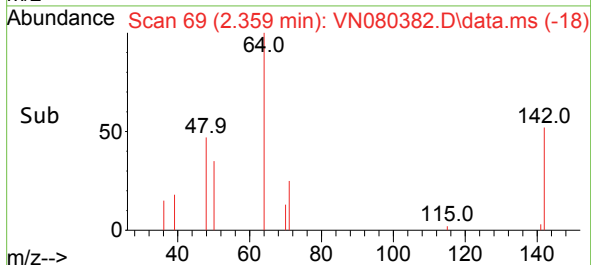
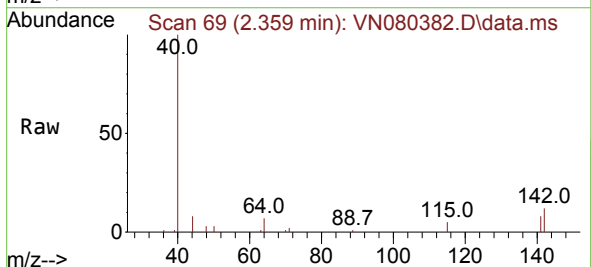


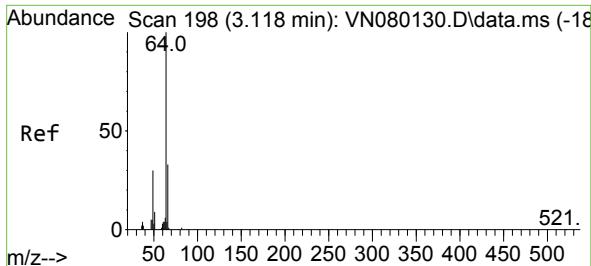
Tgt Ion:168 Resp: 214368
Ion Ratio Lower Upper
168 100
99 65.7 53.0 79.6



#3
Chloromethane
Concen: 0.209 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080382.D
Acq: 06 Dec 2023 13:36

Tgt Ion: 50 Resp: 502
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

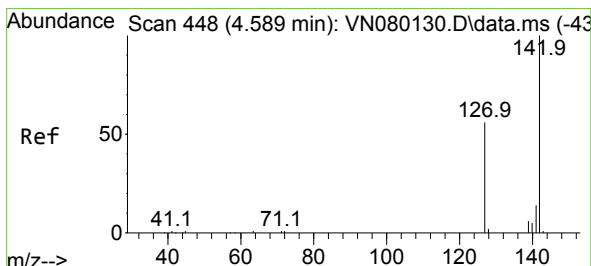
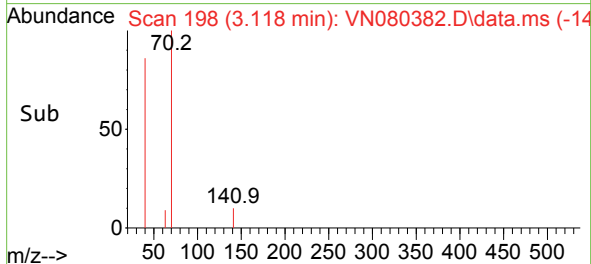
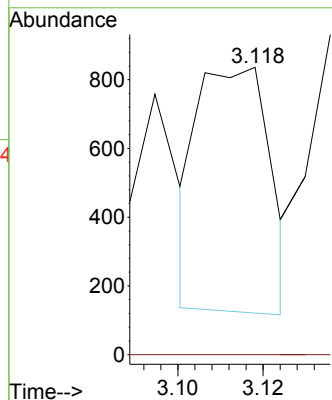
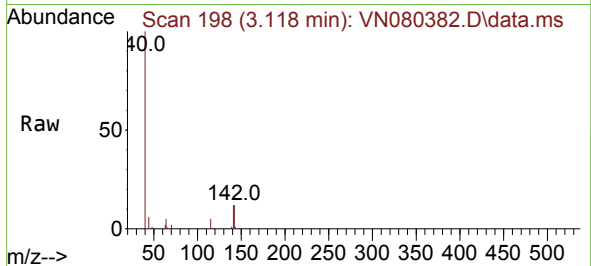




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080382.D
Acq: 06 Dec 2023 13:36

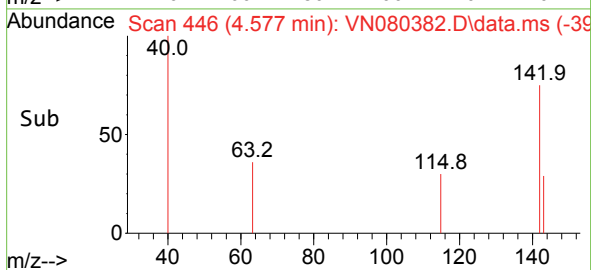
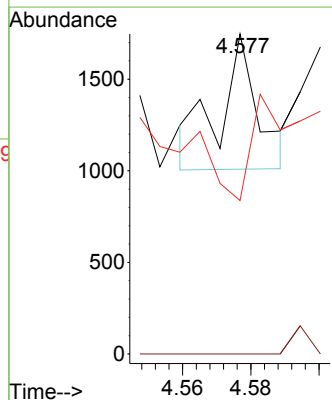
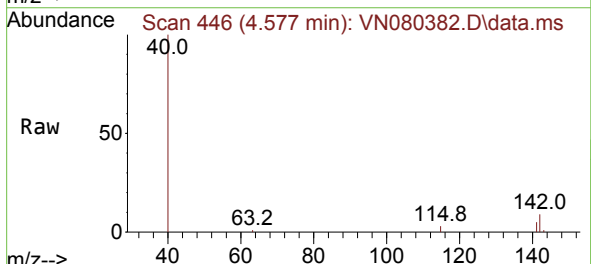
Instrument :
MSVOA_N
ClientSampleId :

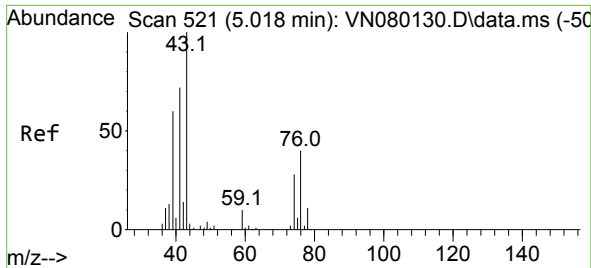
Tgt Ion: 64 Resp: 829
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.222 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.012 min
Lab File: VN080382.D
Acq: 06 Dec 2023 13:36

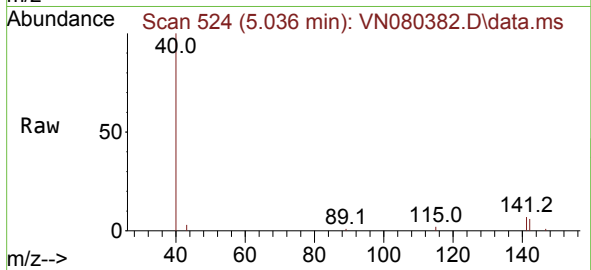
Tgt Ion: 142 Resp: 581
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



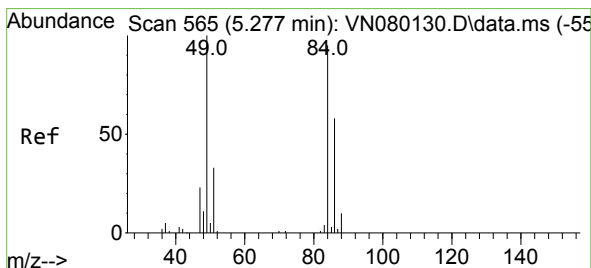
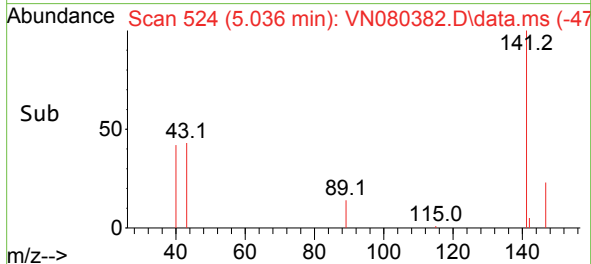
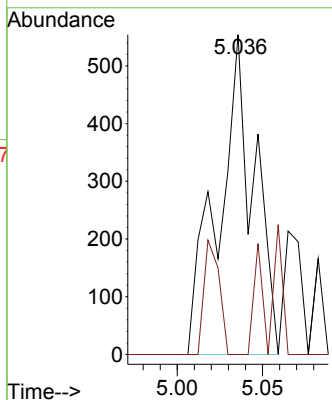


#18
Methyl Acetate
Concen: 0.211 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN080382.D
Acq: 06 Dec 2023 13:36

Instrument :
MSVOA_N
ClientSampleId :

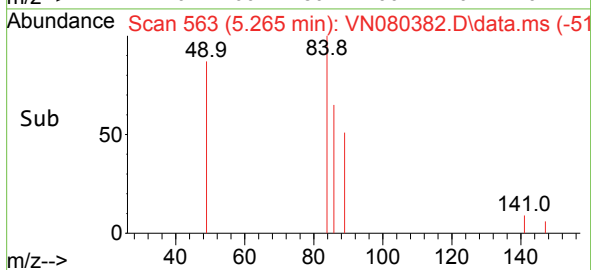
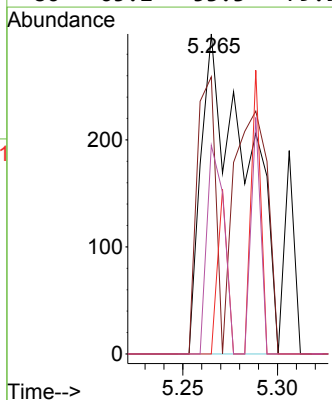
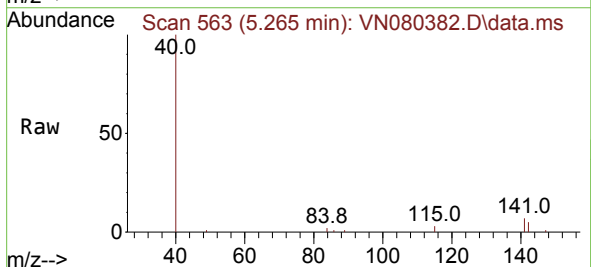


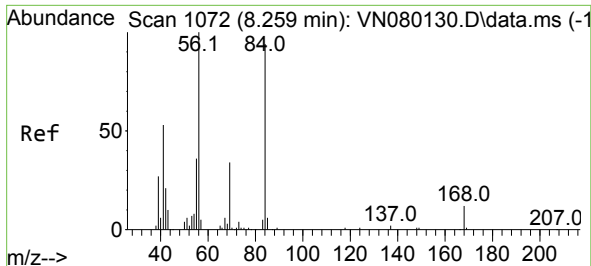
Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
74 8.4 26.2 39.4#



#20
Methylene Chloride
Concen: 0.202 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN080382.D
Acq: 06 Dec 2023 13:36

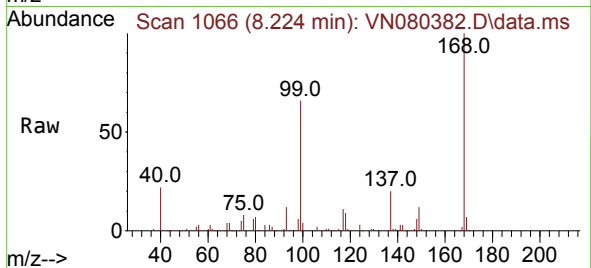
Tgt Ion: 84 Resp: 502
Ion Ratio Lower Upper
84 100
49 86.6 79.7 119.5
51 0.0 25.2 37.8#
86 65.2 53.3 79.9



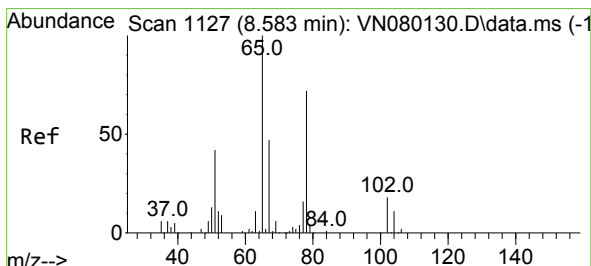
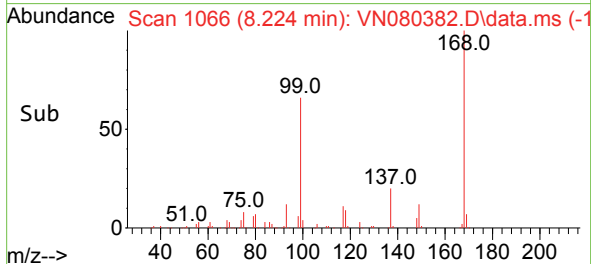
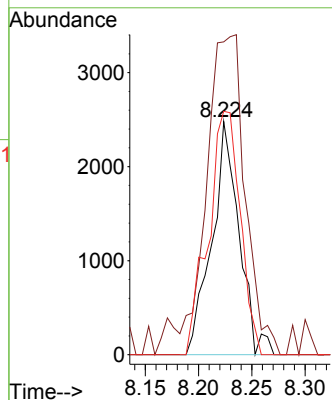


#31
Cyclohexane
Concen: 1.143 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080382.D
Acq: 06 Dec 2023 13:36

Instrument :
MSVOA_N
ClientSampleId :

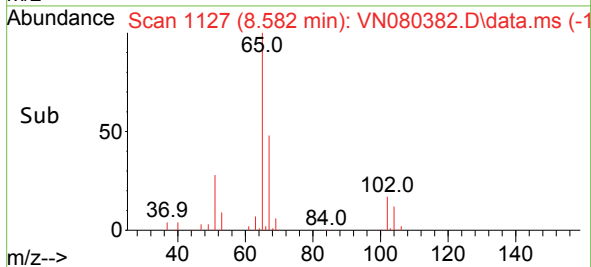
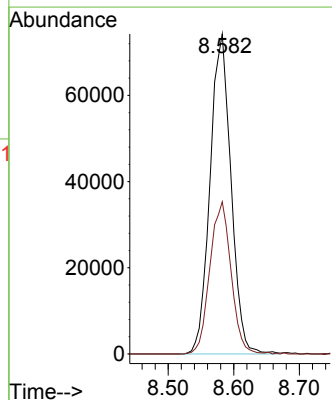
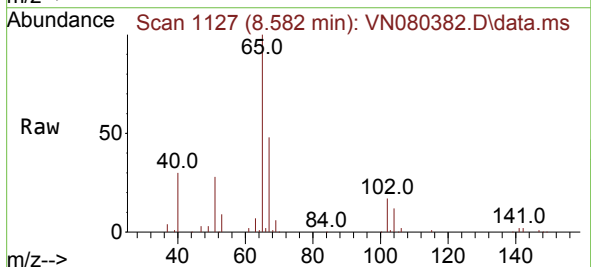


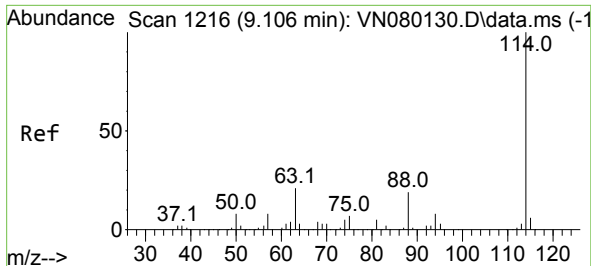
Tgt Ion: 56 Resp: 4400
Ion Ratio Lower Upper
56 100
69 134.2 26.8 40.2#
84 104.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 46.542 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080382.D
Acq: 06 Dec 2023 13:36

Tgt Ion: 65 Resp: 164739
Ion Ratio Lower Upper
65 100
67 48.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN080382.D

Acq: 06 Dec 2023 13:36

Instrument :

MSVOA_N

ClientSampleId :

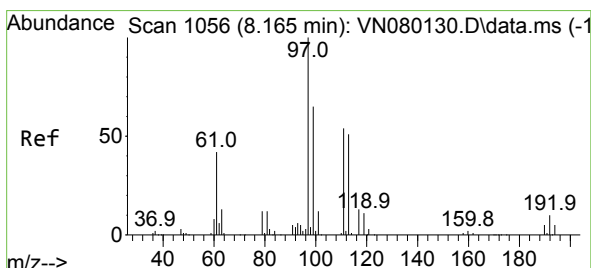
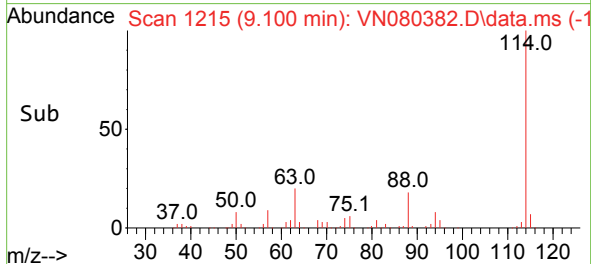
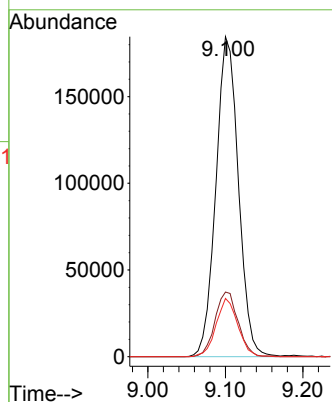
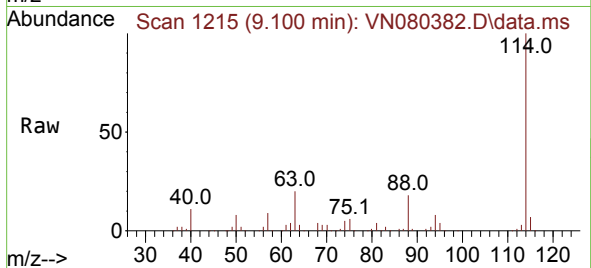
Tgt Ion:114 Resp: 373118

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 18.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.989 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080382.D

Acq: 06 Dec 2023 13:36

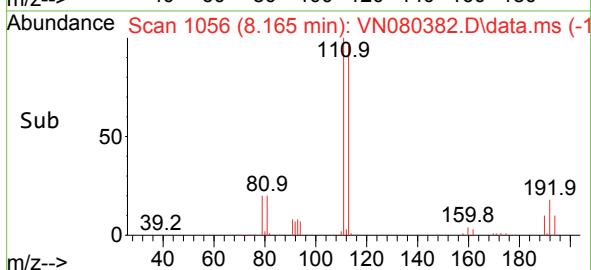
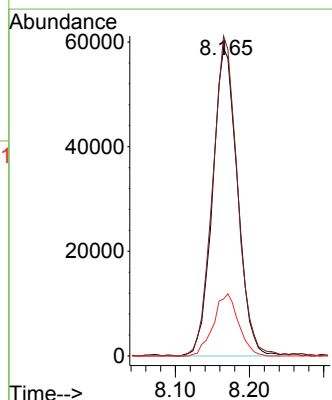
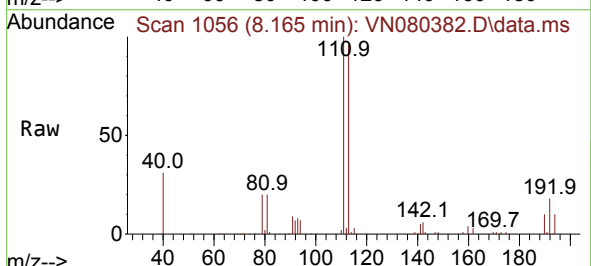
Tgt Ion:113 Resp: 137626

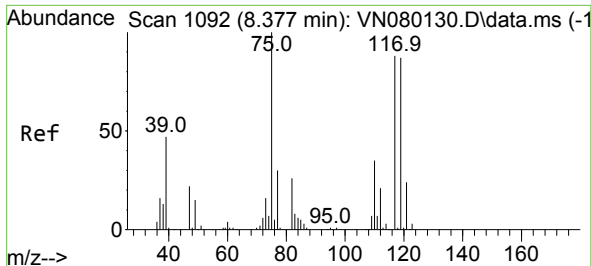
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

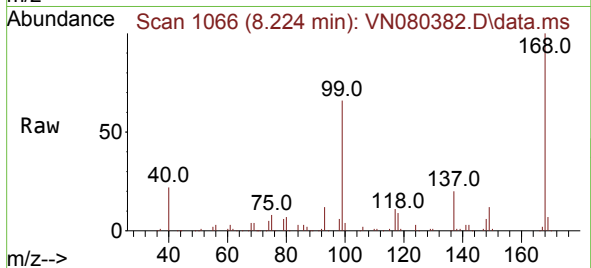
192 20.3 12.7 19.1#



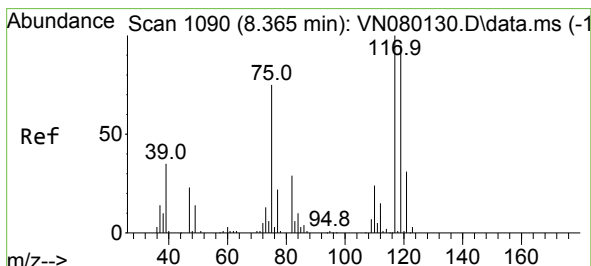
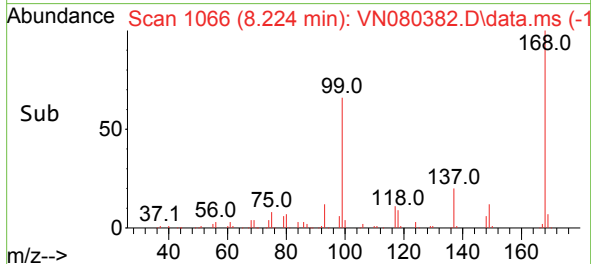
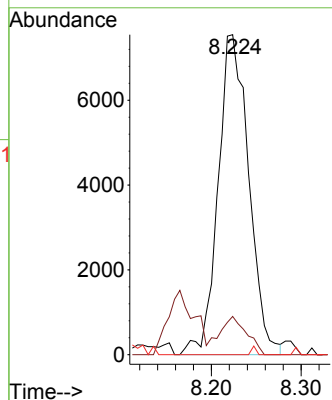


#36
 1,1-Dichloropropene
 Concen: 4.493 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.153 min
 Lab File: VN080382.D
 Acq: 06 Dec 2023 13:36

Instrument :
 MSVOA_N
 ClientSampleId :

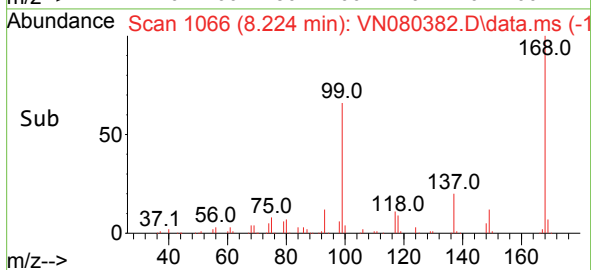
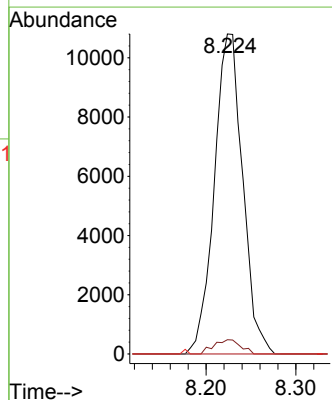
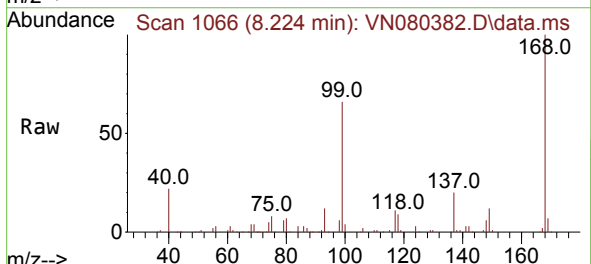


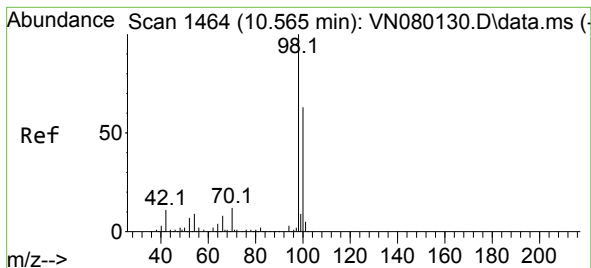
Tgt Ion: 75 Resp: 17910
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.1 57.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 4.685 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.141 min
 Lab File: VN080382.D
 Acq: 06 Dec 2023 13:36

Tgt Ion: 117 Resp: 23699
 Ion Ratio Lower Upper
 117 100
 119 4.4 77.3 115.9#
 121 0.0 23.3 34.9#





#50

Toluene-d8

Concen: 49.957 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080382.D

Acq: 06 Dec 2023 13:36

Instrument :

MSVOA_N

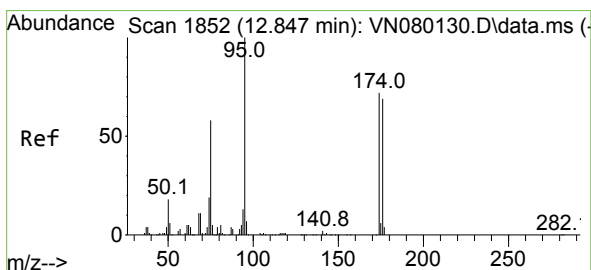
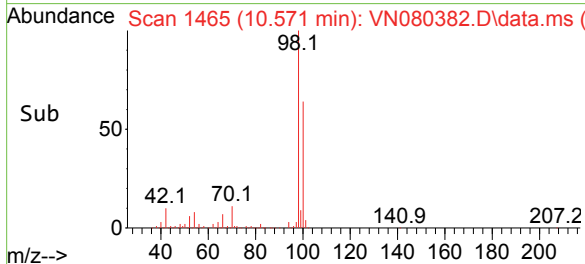
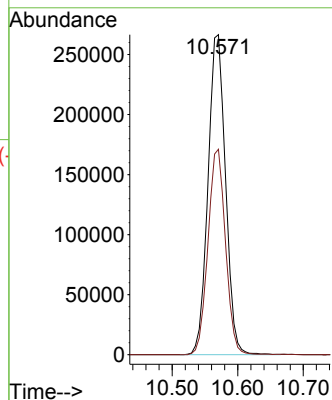
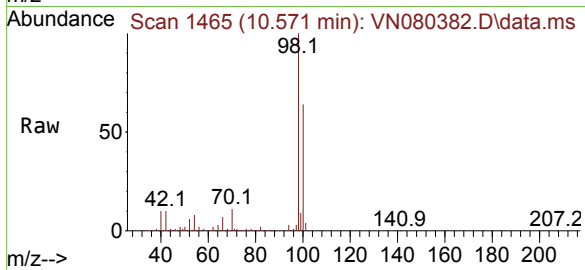
ClientSampleId :

Tgt Ion: 98 Resp: 495791

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 54.719 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN080382.D

Acq: 06 Dec 2023 13:36

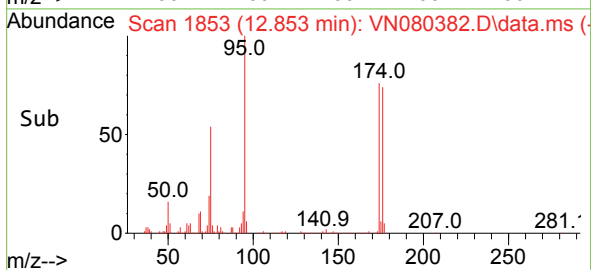
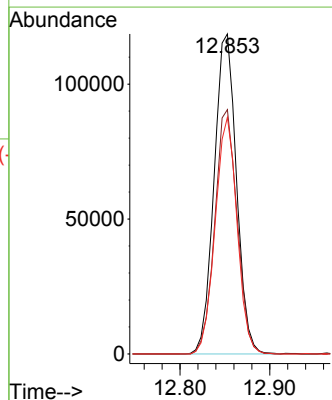
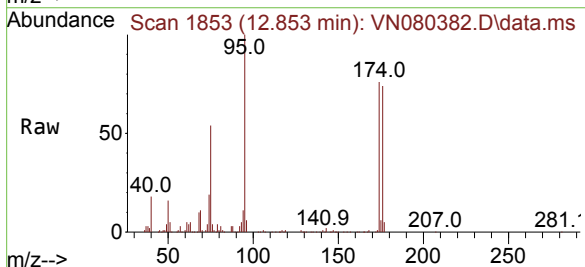
Tgt Ion: 95 Resp: 205122

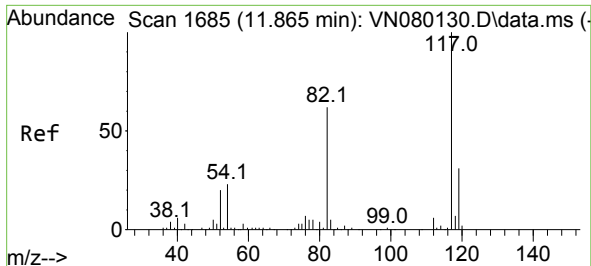
Ion Ratio Lower Upper

95 100

174 76.4 0.0 143.8

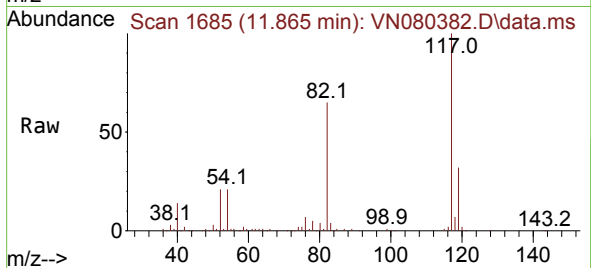
176 72.4 0.0 135.8



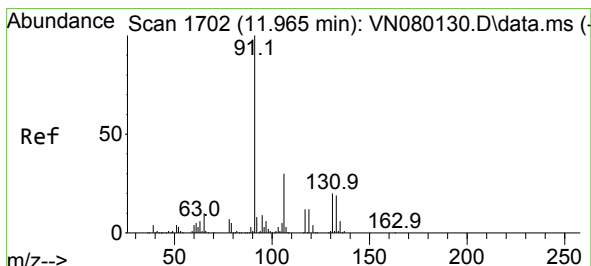
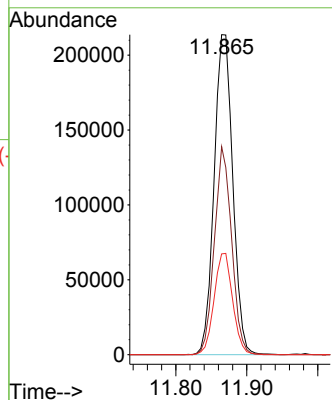
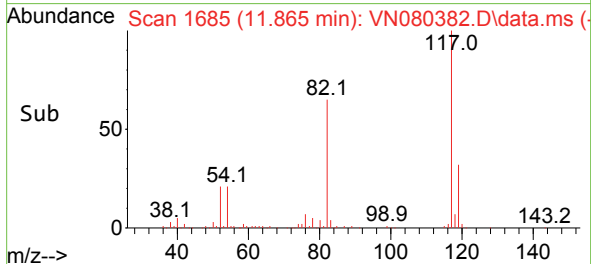


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN080382.D
Acq: 06 Dec 2023 13:36

Instrument :
MSVOA_N
ClientSampleId :

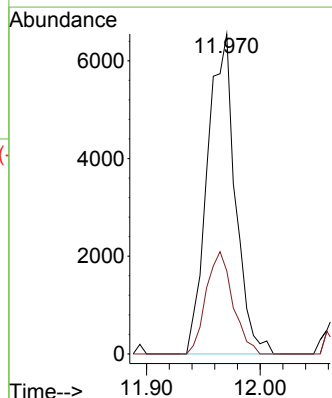
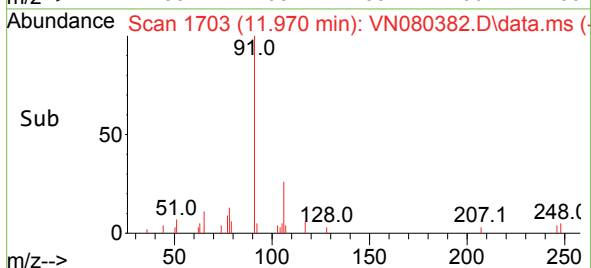
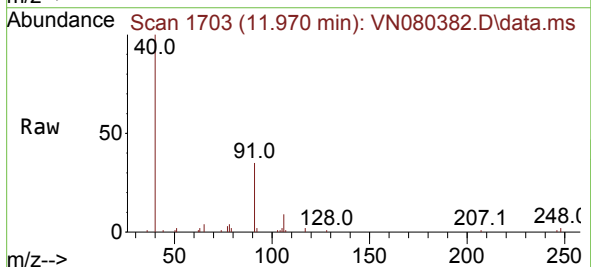


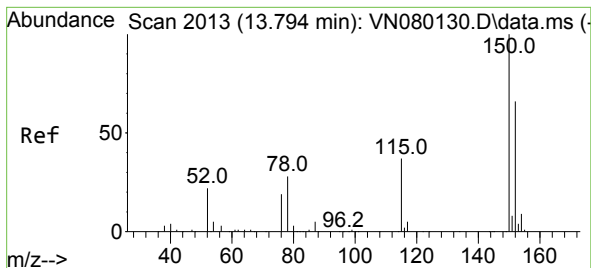
Tgt Ion:117 Resp: 389186
Ion Ratio Lower Upper
117 100
82 65.0 44.0 66.0
119 31.5 25.6 38.4



#67
Ethyl Benzene
Concen: 0.712 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN080382.D
Acq: 06 Dec 2023 13:36

Tgt Ion: 91 Resp: 11180
Ion Ratio Lower Upper
91 100
106 26.0 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN080382.D

Acq: 06 Dec 2023 13:36

Instrument :

MSVOA_N

ClientSampleId :

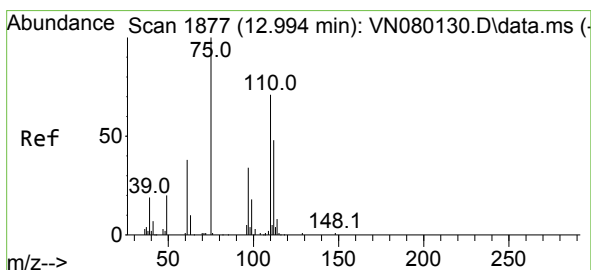
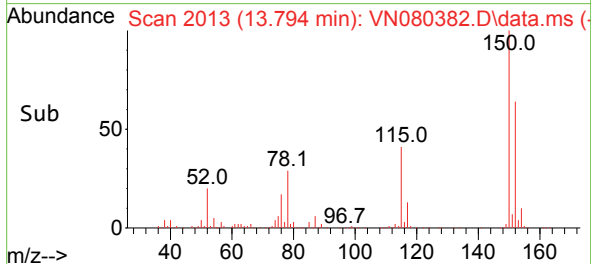
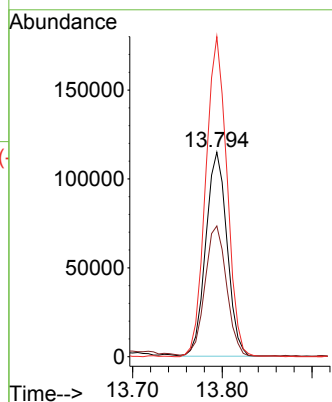
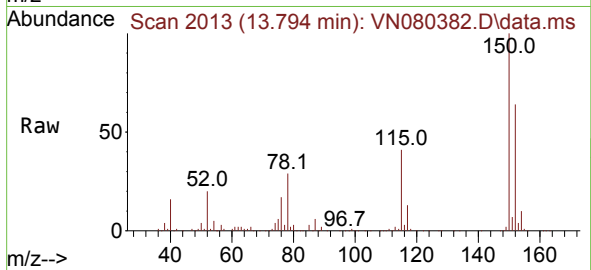
Tgt Ion:152 Resp: 189040

Ion Ratio Lower Upper

152 100

115 64.8 32.3 96.8

150 156.6 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 24.361 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080382.D

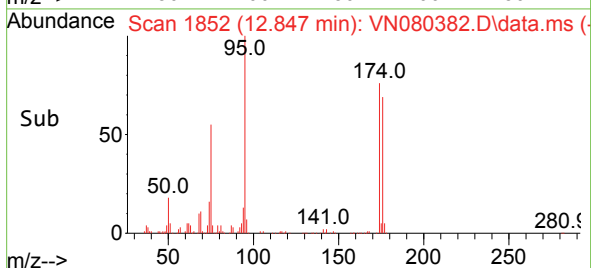
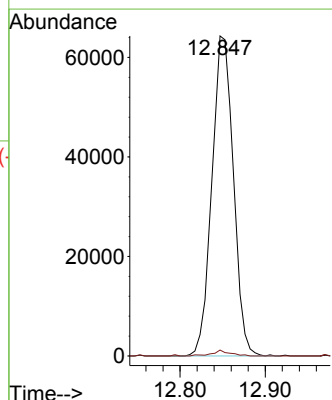
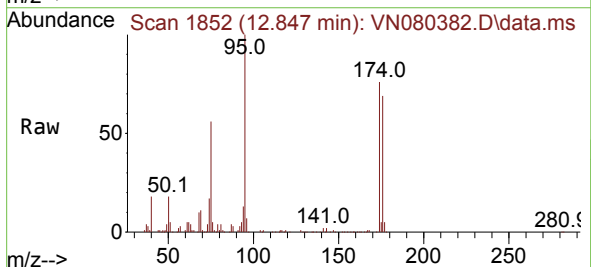
Acq: 06 Dec 2023 13:36

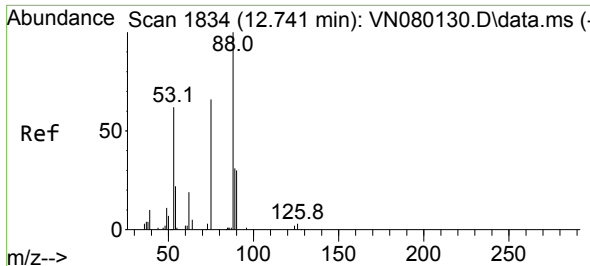
Tgt Ion: 75 Resp: 112835

Ion Ratio Lower Upper

75 100

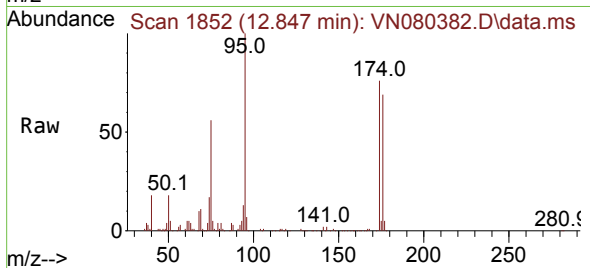
77 1.5 84.5 253.5#



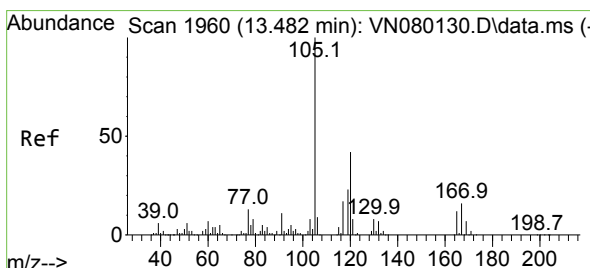
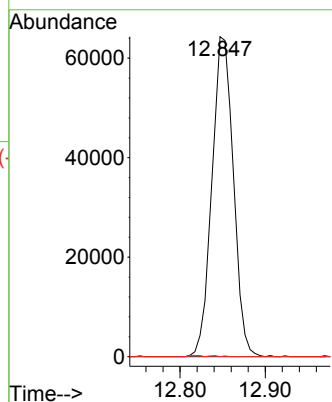
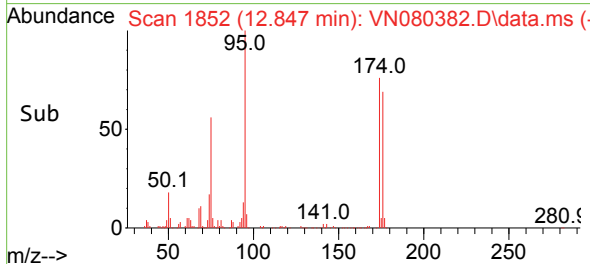


#81
trans-1,4-Dichloro-2-butene
Concen: 82.306 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN080382.D
Acq: 06 Dec 2023 13:36

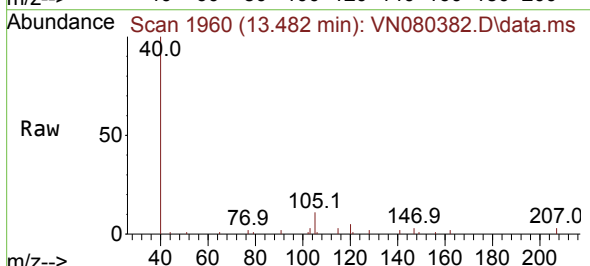
Instrument :
MSVOA_N
ClientSampleId :



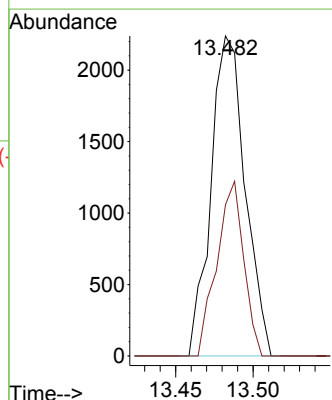
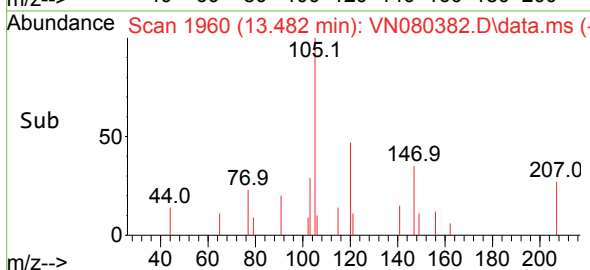
Tgt Ion: 75 Resp: 112835
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.2 38.8 58.2#

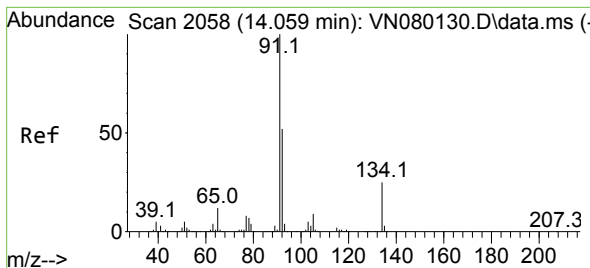


#84
1,2,4-Trimethylbenzene
Concen: 0.273 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN080382.D
Acq: 06 Dec 2023 13:36



Tgt Ion: 105 Resp: 3433
Ion Ratio Lower Upper
105 100
120 42.9 22.0 66.0





#89

n-Butylbenzene

Concen: 0.252 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.006 min

Lab File: VN080382.D

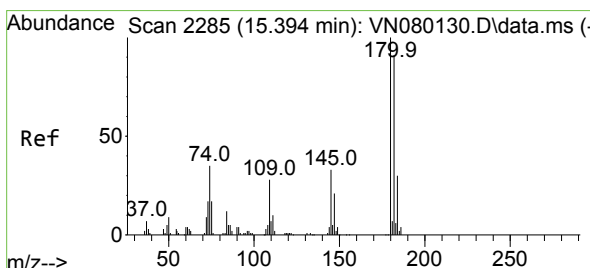
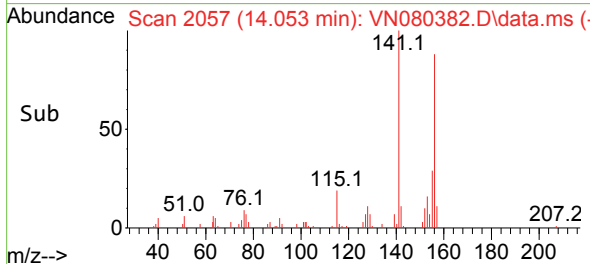
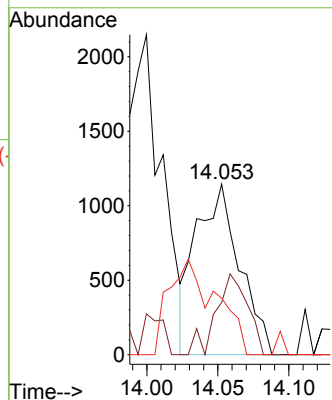
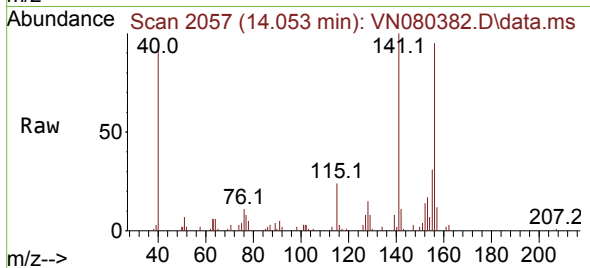
Acq: 06 Dec 2023 13:36

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp: 2444
Ion Ratio	Lower Upper
91	100
92	34.2 26.4 79.0
134	0.0 12.6 37.6#



#93

1,2,4-Trichlorobenzene

Concen: 0.234 ug/l

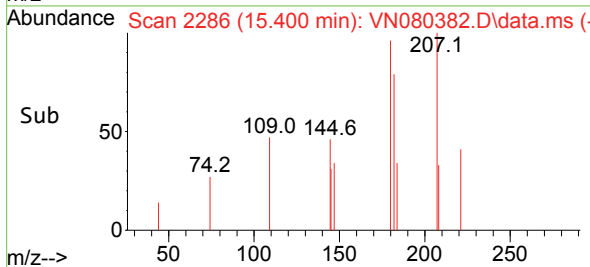
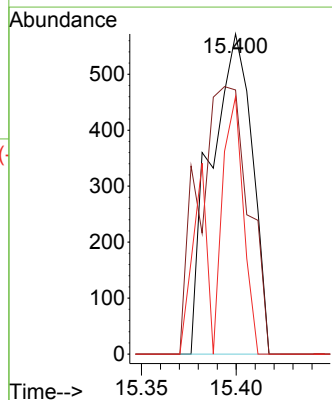
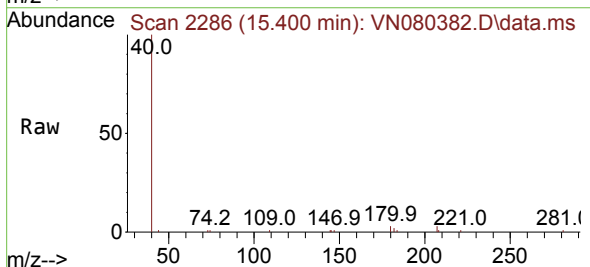
RT: 15.400 min Scan# 2286

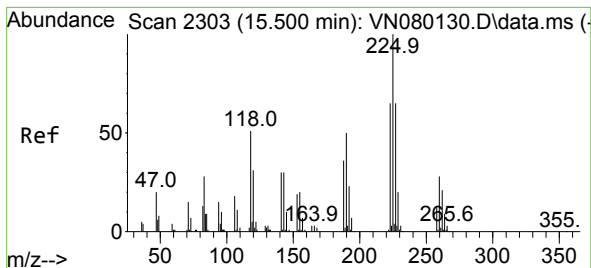
Delta R.T. 0.006 min

Lab File: VN080382.D

Acq: 06 Dec 2023 13:36

Tgt Ion: 180	Resp: 868
Ion Ratio	Lower Upper
180	100
182	99.5 46.1 138.2
145	40.4 16.6 49.8





#94

Hexachlorobutadiene

Concen: 0.287 ug/l

RT: 15.500 min Scan# 21

Delta R.T. -0.000 min

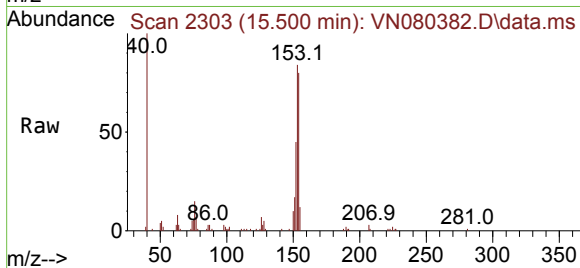
Lab File: VN080382.D

Acq: 06 Dec 2023 13:36

Instrument :

MSVOA_N

ClientSampleId :



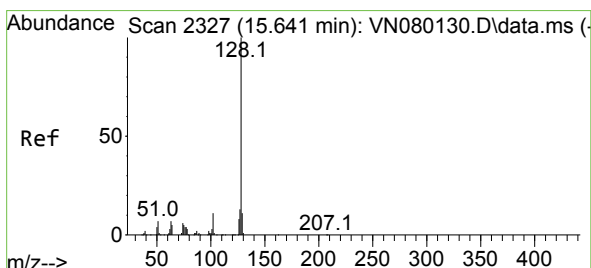
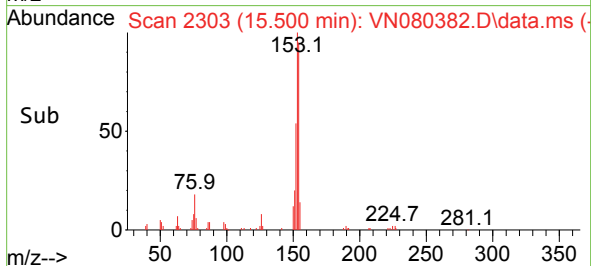
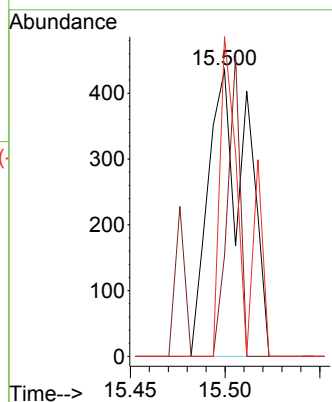
Tgt Ion:225 Resp: 614

Ion Ratio Lower Upper

225 100

223 35.0 31.3 93.8

227 63.0 31.9 95.9



#95

Naphthalene

Concen: 78.235 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN080382.D

Acq: 06 Dec 2023 13:36

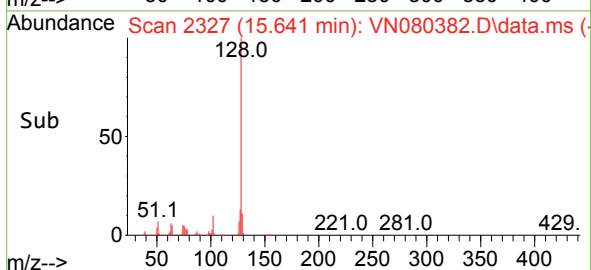
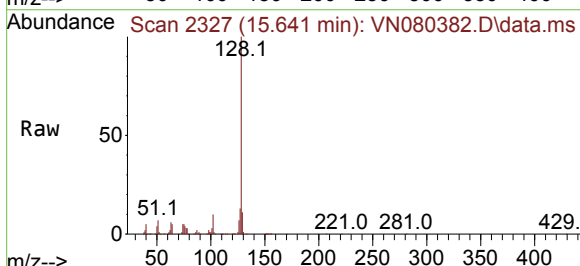
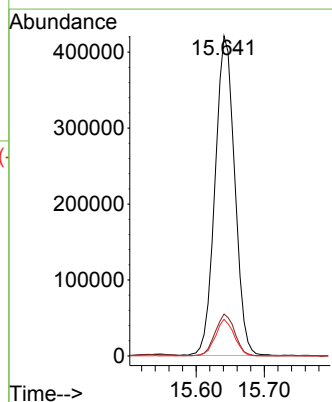
Tgt Ion:128 Resp: 842537

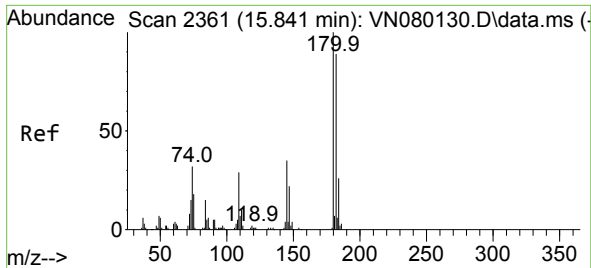
Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

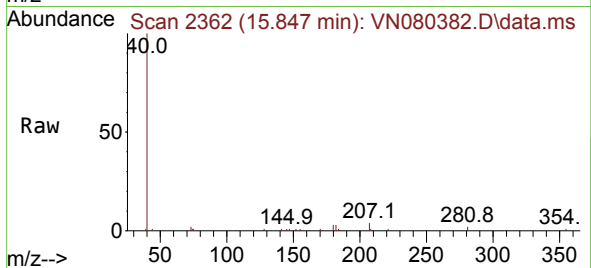
129 11.2 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.326 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN080382.D
 Acq: 06 Dec 2023 13:36

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1134
Ion	Ratio	Lower	Upper
180	100		
182	86.7	46.2	138.6
145	24.9	17.5	52.6

