

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112823\
 Data File : VN080291.D
 Acq On : 28 Nov 2023 12:42
 Operator : JC\MD
 Sample : VN1128WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 29 00:33:59 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)

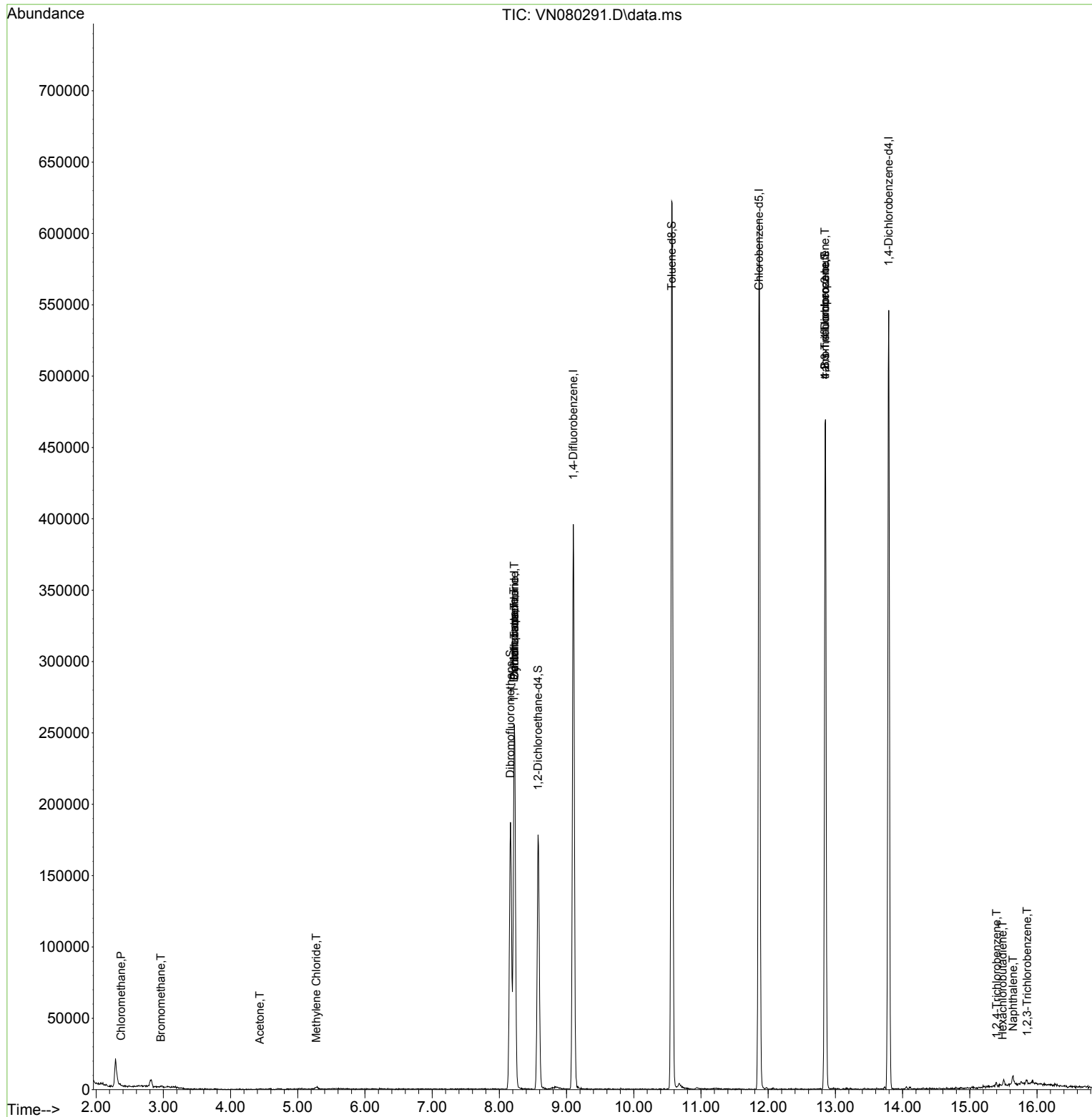
Internal Standards						
1) Pentafluorobenzene	8.224	168	179769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	332073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	346357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	149553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159039	53.580	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.160%	
35) Dibromofluoromethane	8.165	113	129776	52.964	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.920%	
50) Toluene-d8	10.565	98	441351	49.968	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.940%	
62) 4-Bromofluorobenzene	12.847	95	164158	49.204	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	454	0.226	ug/l #	42
5) Bromomethane	2.965	94	406	0.281	ug/l	83
6) Chloroethane	3.124	64	290	Below Cal	#	43
16) Acetone	4.436	43	334	0.335	ug/l #	40
20) Methylene Chloride	5.277	84	691	0.331	ug/l #	73
31) Cyclohexane	8.224	56	3889	1.205	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15254	4.300	ug/l #	49
38) Carbon Tetrachloride	8.224	117	20695	4.597	ug/l #	16
76) 1,2,3-Trichloropropane	12.847	75	91008	24.836	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	91008	83.912	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	1088	0.370	ug/l #	86
94) Hexachlorobutadiene	15.488	225	1031	0.610	ug/l	86
95) Naphthalene	15.647	128	4867	0.571	ug/l	94
96) 1,2,3-Trichlorobenzene	15.853	180	1045	0.379	ug/l	64

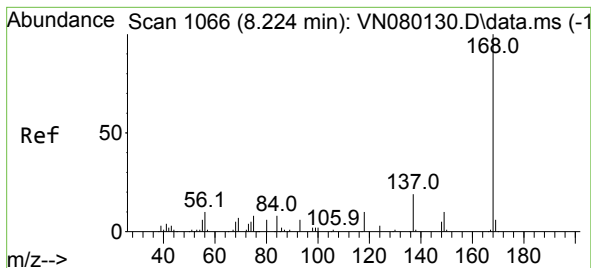
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 17 01:19:32 2023
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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: VN080291.D

Acq: 28 Nov 2023 12:42

Instrument :

MSVOA_N

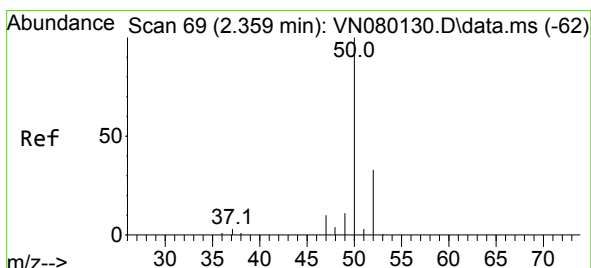
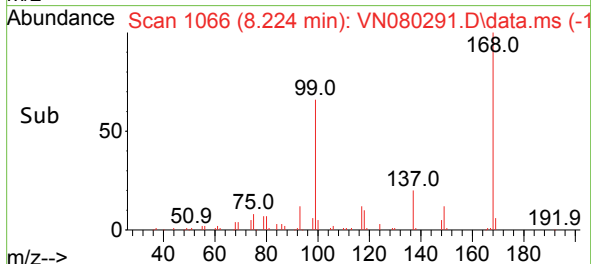
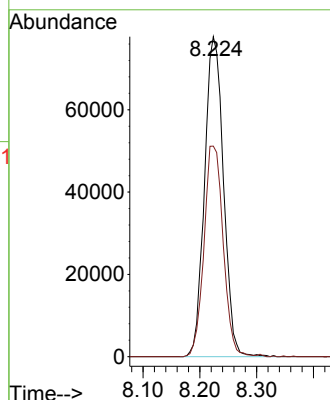
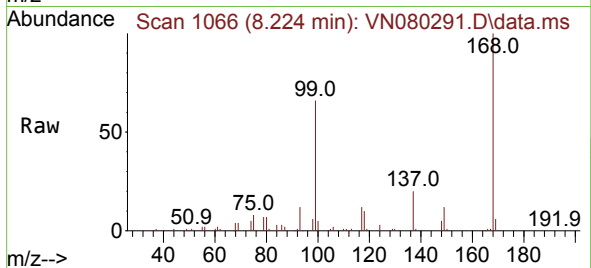
ClientSampleId :

Tgt Ion:168 Resp: 179769

Ion Ratio Lower Upper

168 100

99 65.8 53.0 79.6



#3

Chloromethane

Concen: 0.226 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN080291.D

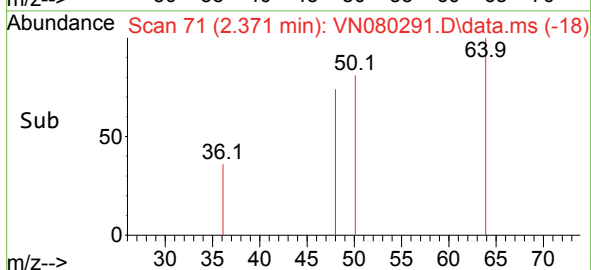
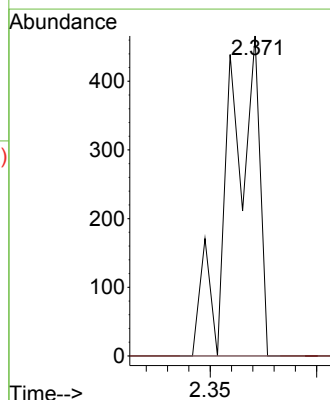
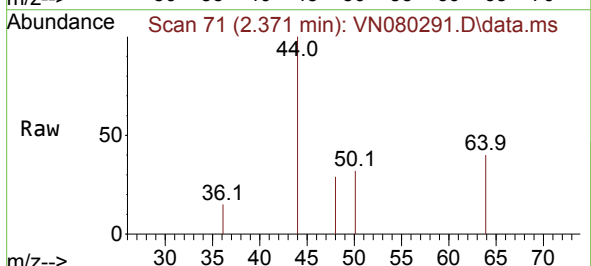
Acq: 28 Nov 2023 12:42

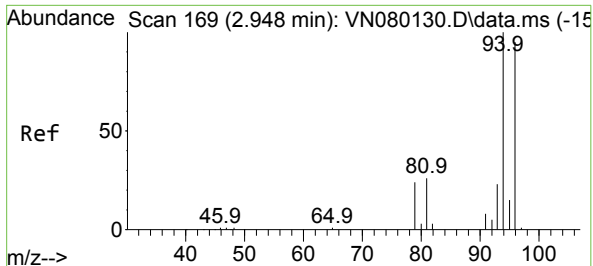
Tgt Ion: 50 Resp: 454

Ion Ratio Lower Upper

50 100

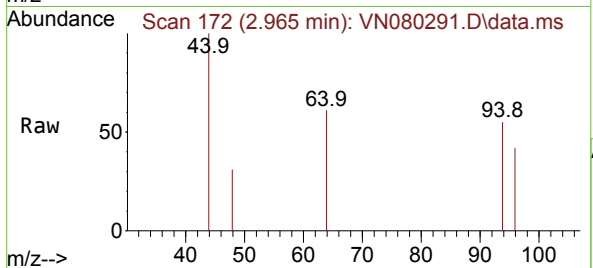
52 0.0 26.5 39.7#



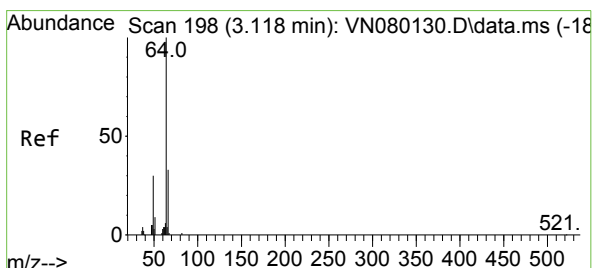
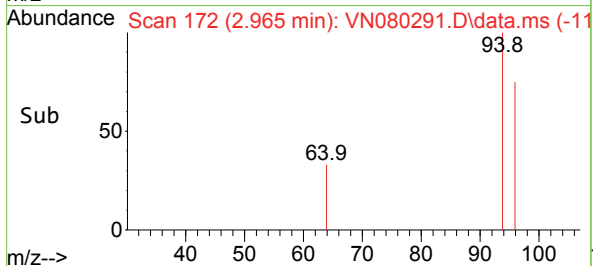
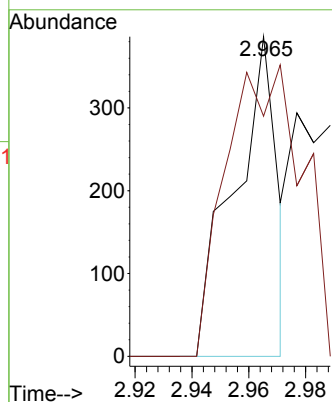


#5
Bromomethane
Concen: 0.281 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN080291.D
Acq: 28 Nov 2023 12:42

Instrument :
MSVOA_N
ClientSampleId :

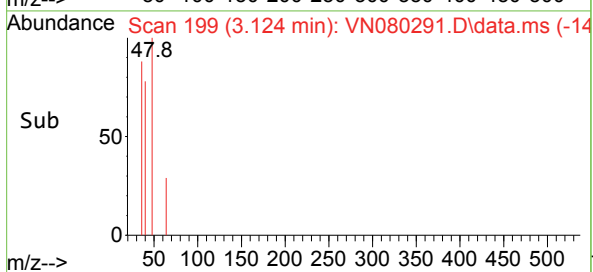
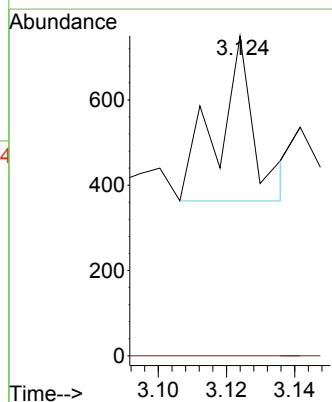
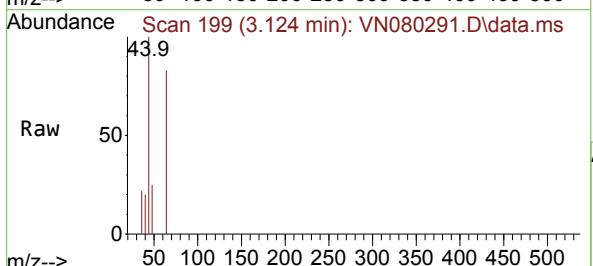


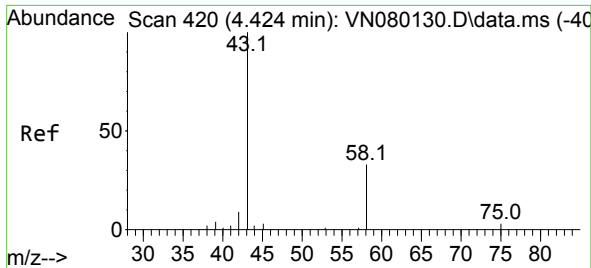
Tgt Ion: 94 Resp: 406
Ion Ratio Lower Upper
94 100
96 75.1 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN080291.D
Acq: 28 Nov 2023 12:42

Tgt Ion: 64 Resp: 290
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#16

Acetone

Concen: 0.335 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN080291.D

Acq: 28 Nov 2023 12:42

Instrument :

MSVOA_N

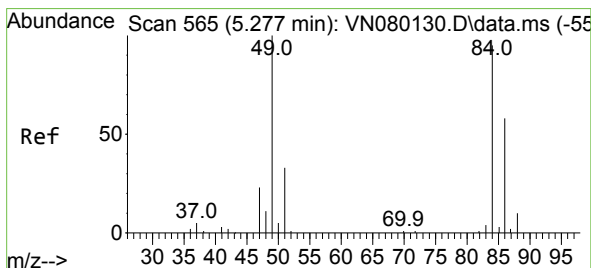
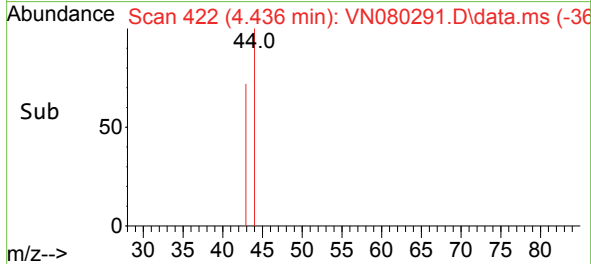
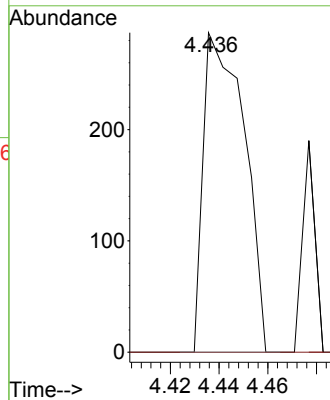
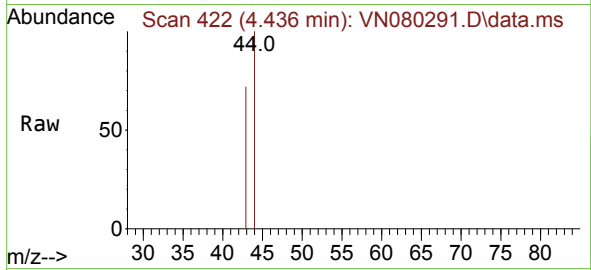
ClientSampleId :

Tgt Ion: 43 Resp: 334

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#20

Methylene Chloride

Concen: 0.331 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN080291.D

Acq: 28 Nov 2023 12:42

Tgt Ion: 84 Resp: 691

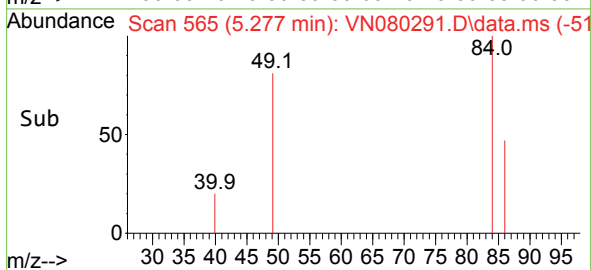
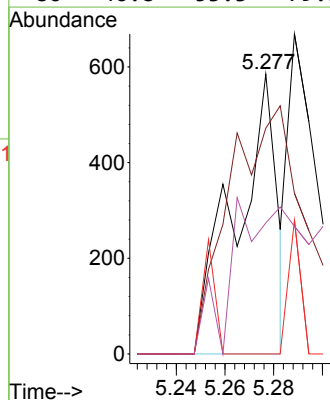
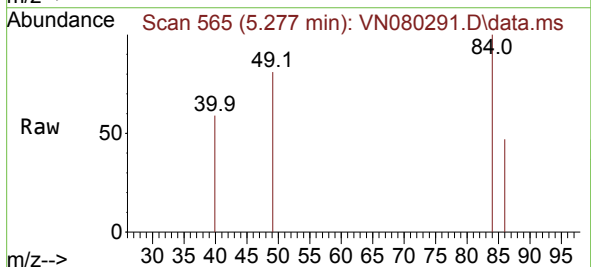
Ion Ratio Lower Upper

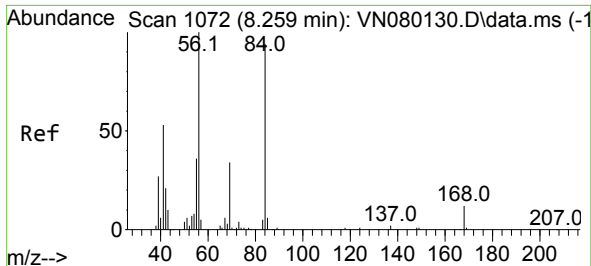
84 100

49 80.7 79.7 119.5

51 0.0 25.2 37.8#

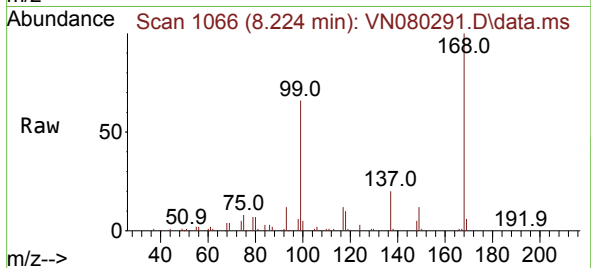
86 46.8 53.3 79.9#



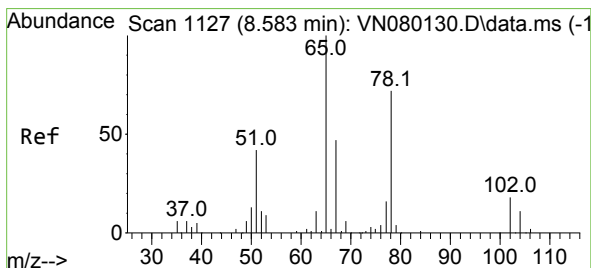
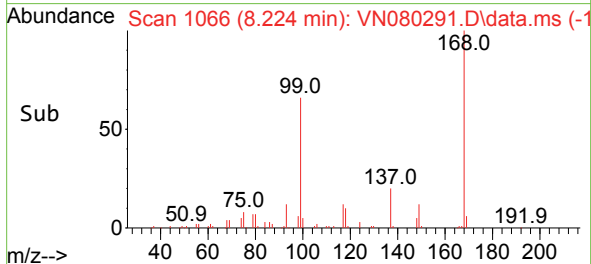
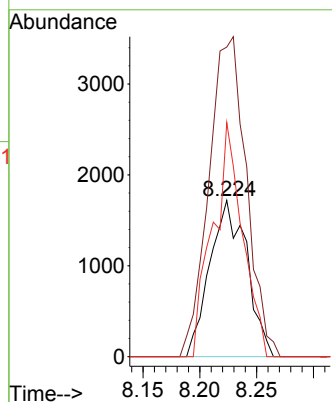


#31
Cyclohexane
Concen: 1.205 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080291.D
Acq: 28 Nov 2023 12:42

Instrument :
MSVOA_N
ClientSampleId :

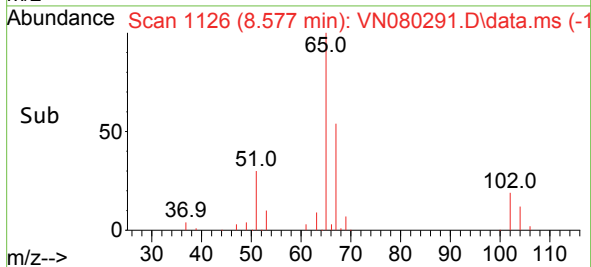
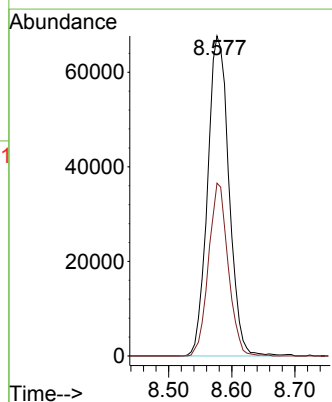
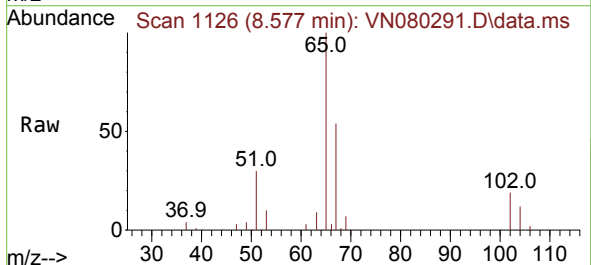


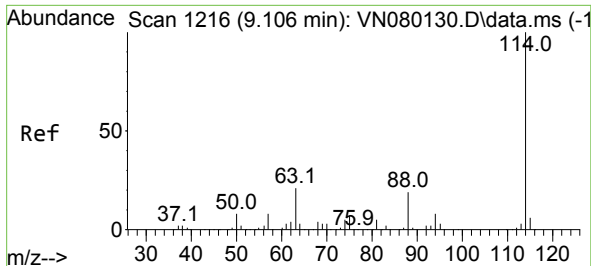
Tgt Ion: 56 Resp: 3889
Ion Ratio Lower Upper
56 100
69 198.2 26.8 40.2#
84 149.8 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.580 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080291.D
Acq: 28 Nov 2023 12:42

Tgt Ion: 65 Resp: 159039
Ion Ratio Lower Upper
65 100
67 49.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080291.D

Acq: 28 Nov 2023 12:42

Instrument :

MSVOA_N

ClientSampleId :

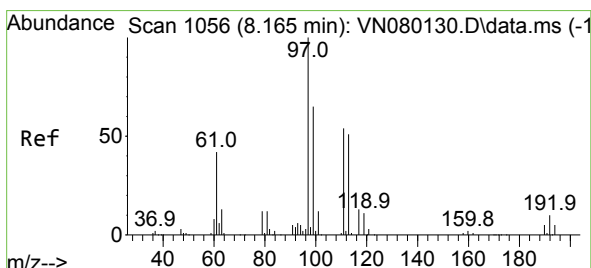
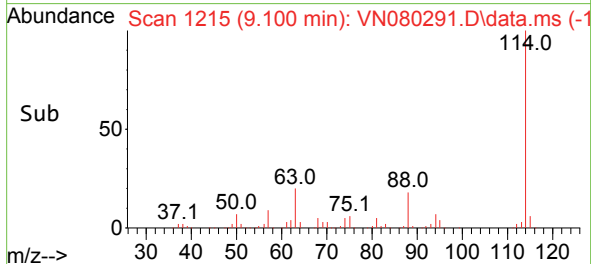
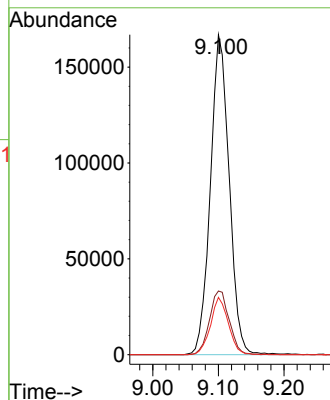
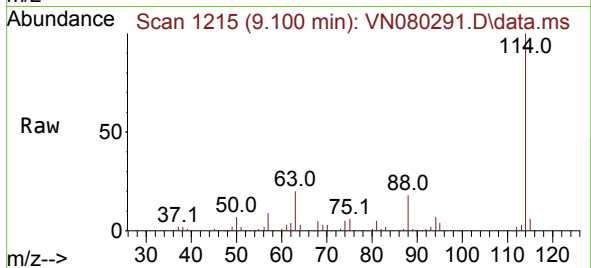
Tgt Ion:114 Resp: 332073

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 17.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.964 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080291.D

Acq: 28 Nov 2023 12:42

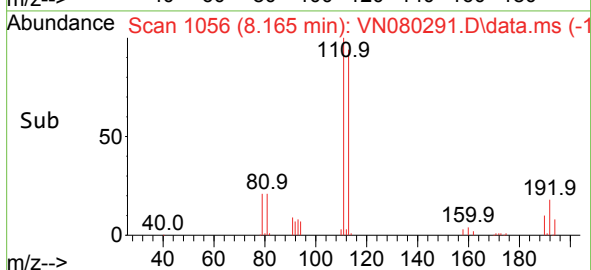
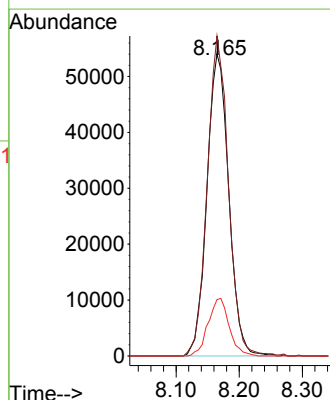
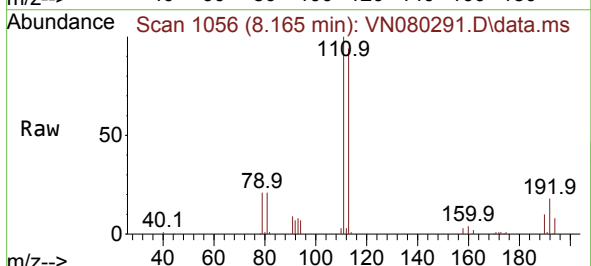
Tgt Ion:113 Resp: 129776

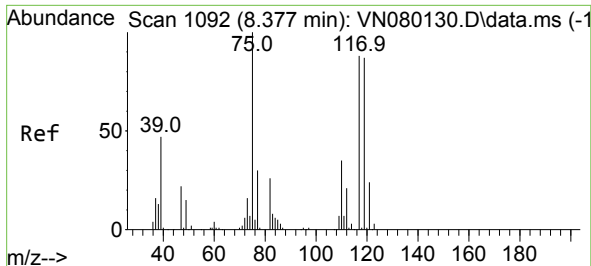
Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 18.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.300 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.159 min

Lab File: VN080291.D

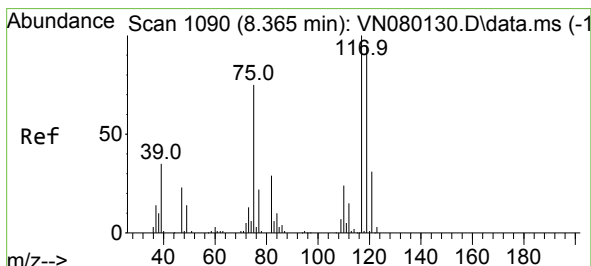
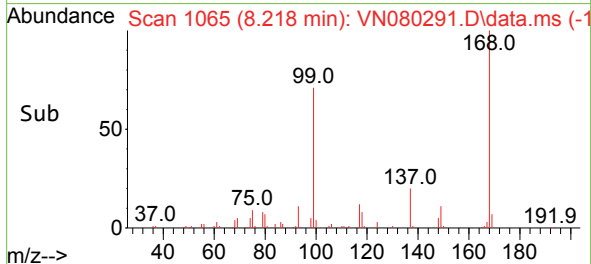
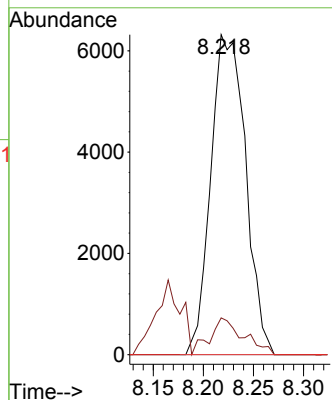
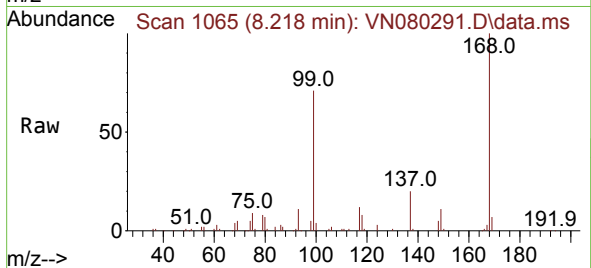
Acq: 28 Nov 2023 12:42

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 15254
Ion Ratio	Lower Upper
75	100
110	9.7 19.1 57.3#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.597 ug/l

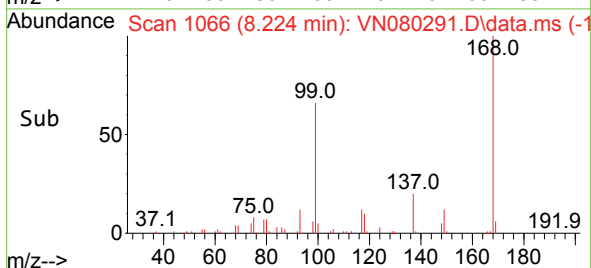
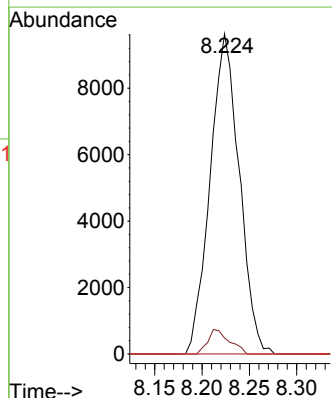
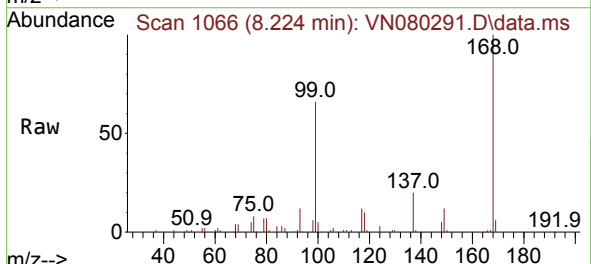
RT: 8.224 min Scan# 1066

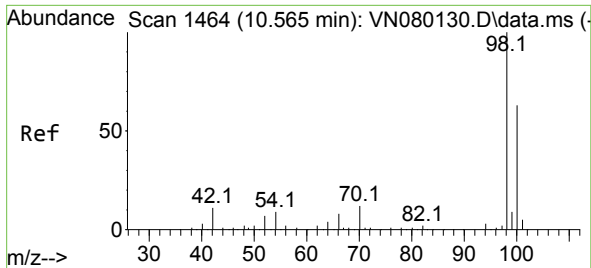
Delta R.T. -0.141 min

Lab File: VN080291.D

Acq: 28 Nov 2023 12:42

Tgt Ion: 117	Resp: 20695
Ion Ratio	Lower Upper
117	100
119	5.0 77.3 115.9#
121	0.0 23.3 34.9#

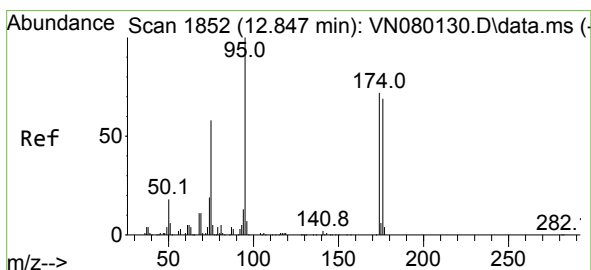
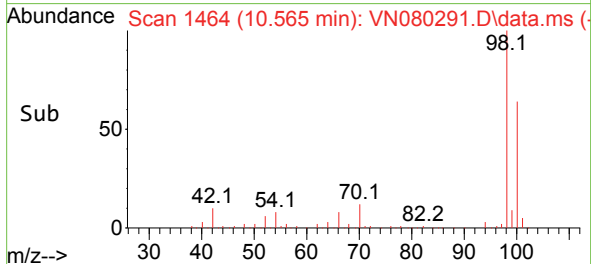
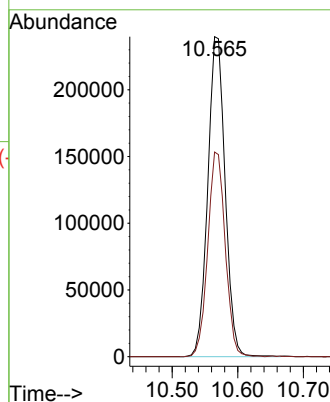
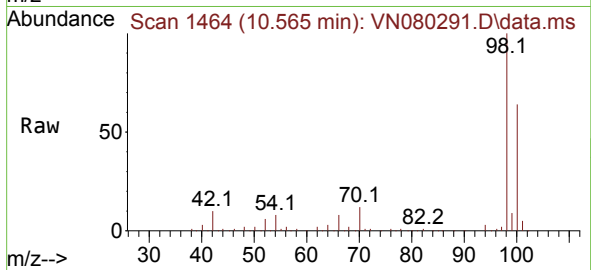




#50
Toluene-d8
Concen: 49.968 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN080291.D
Acq: 28 Nov 2023 12:42

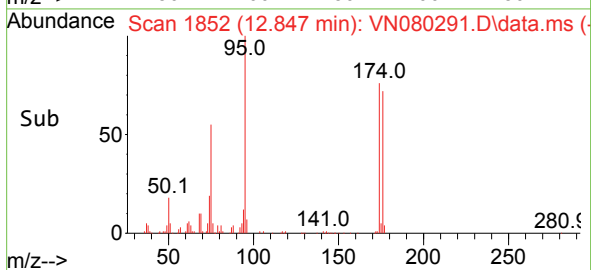
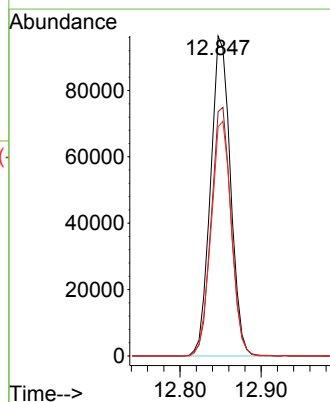
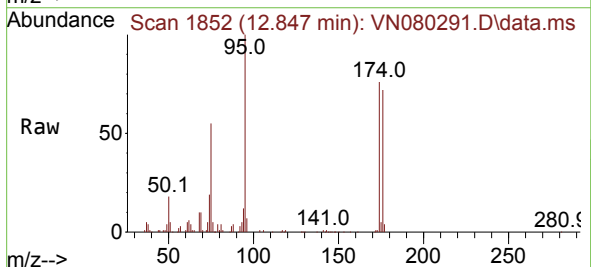
Instrument :
MSVOA_N
ClientSampleId :

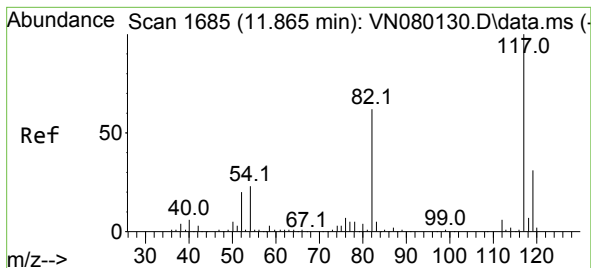
Tgt Ion: 98 Resp: 441351
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.204 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080291.D
Acq: 28 Nov 2023 12:42

Tgt Ion: 95 Resp: 164158
Ion Ratio Lower Upper
95 100
174 77.6 0.0 143.8
176 74.7 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080291.D

Acq: 28 Nov 2023 12:42

Instrument :

MSVOA_N

ClientSampleId :

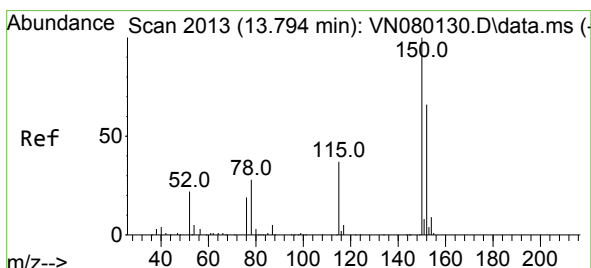
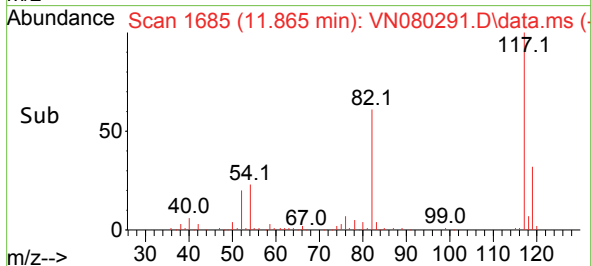
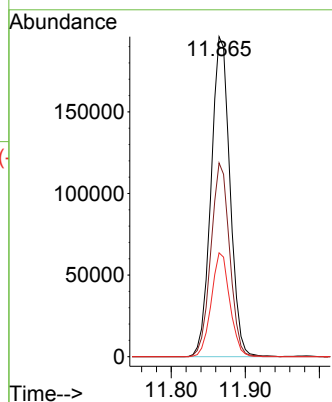
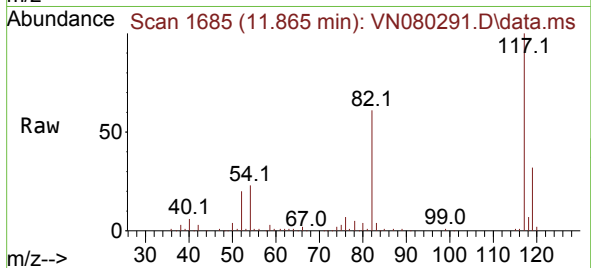
Tgt Ion:117 Resp: 346357

Ion Ratio Lower Upper

117 100

82 60.6 44.0 66.0

119 32.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN080291.D

Acq: 28 Nov 2023 12:42

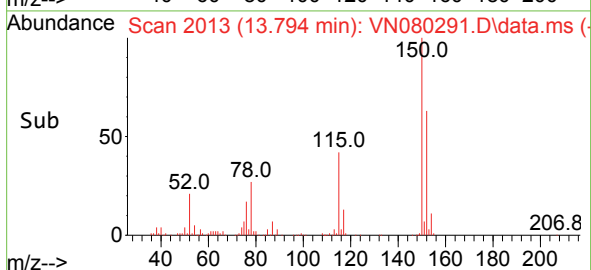
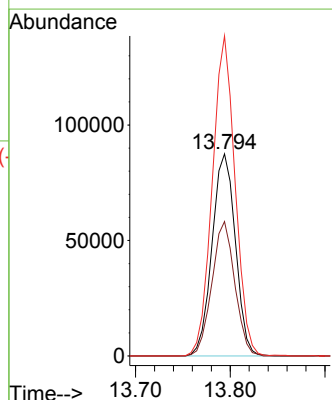
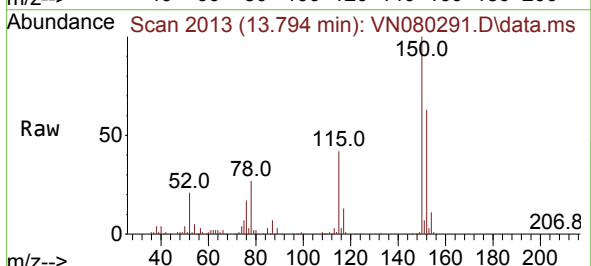
Tgt Ion:152 Resp: 149553

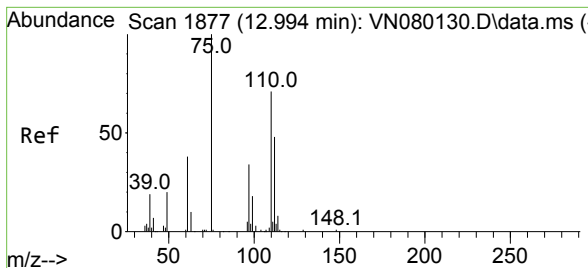
Ion Ratio Lower Upper

152 100

115 65.2 32.3 96.8

150 154.4 0.0 355.8

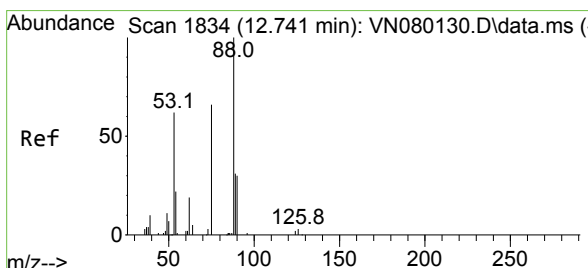
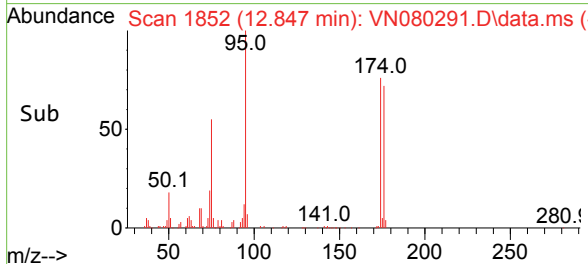
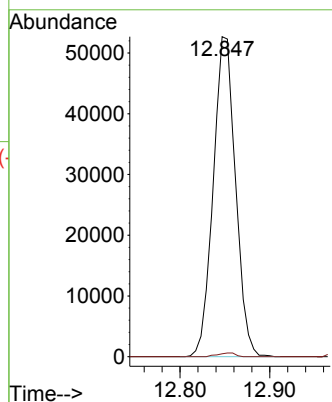
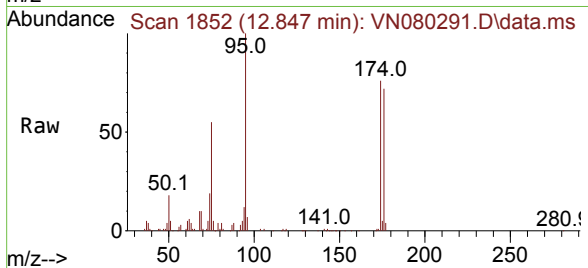




#76
1,2,3-Trichloropropane
Concen: 24.836 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080291.D
Acq: 28 Nov 2023 12:42

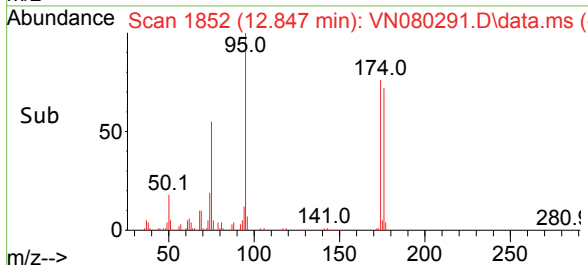
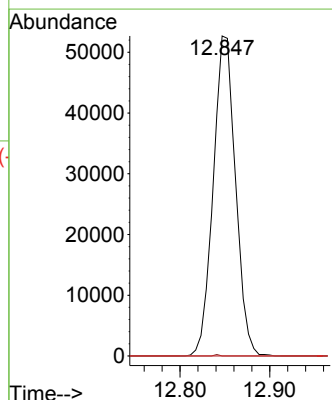
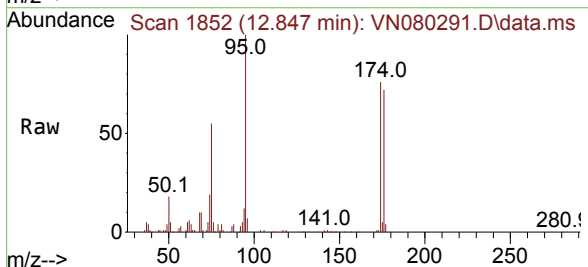
Instrument :
MSVOA_N
ClientSampleId :

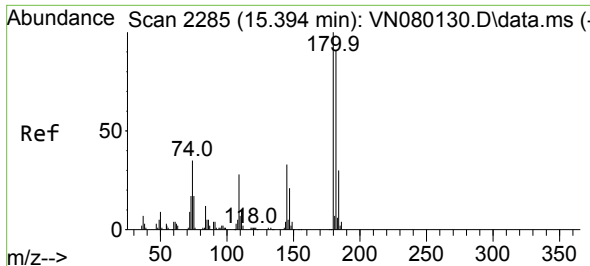
Tgt Ion: 75 Resp: 91008
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.912 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN080291.D
Acq: 28 Nov 2023 12:42

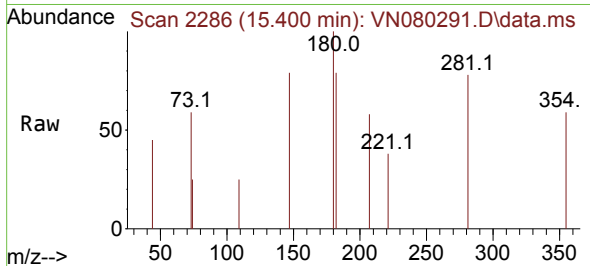
Tgt Ion: 75 Resp: 91008
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





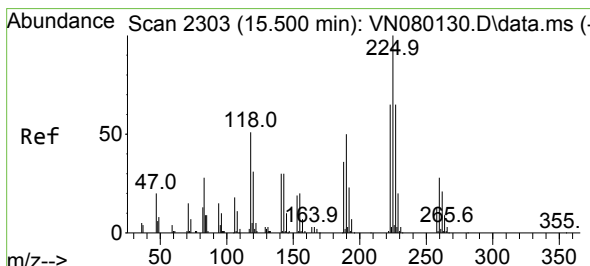
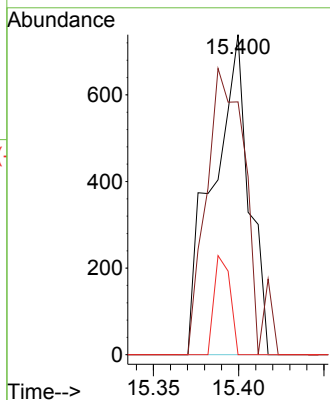
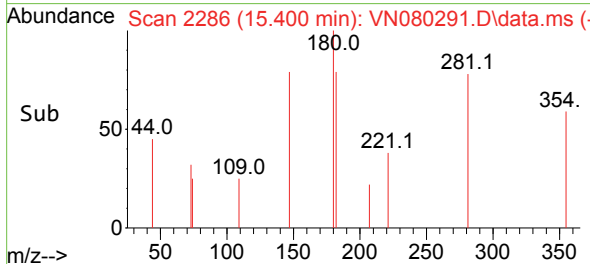
#93
 1,2,4-Trichlorobenzene
 Concen: 0.370 ug/l
 RT: 15.400 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN080291.D
 Acq: 28 Nov 2023 12:42

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1088

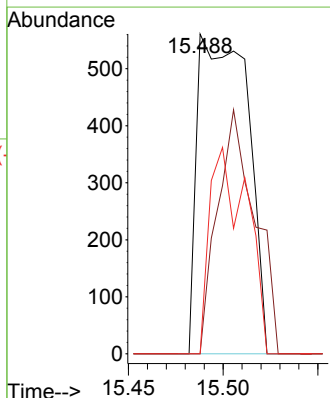
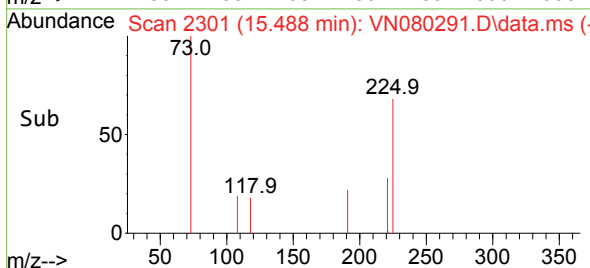
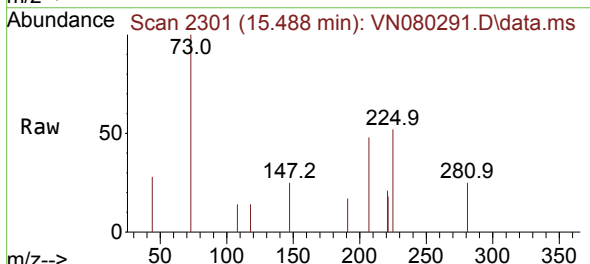
Ion	Ratio	Lower	Upper
180	100		
182	98.6	46.1	138.2
145	13.7	16.6	49.8

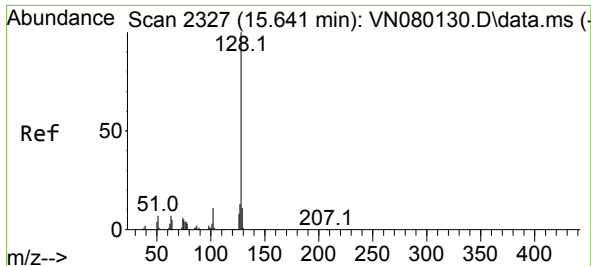


#94
 Hexachlorobutadiene
 Concen: 0.610 ug/l
 RT: 15.488 min Scan# 2301
 Delta R.T. -0.012 min
 Lab File: VN080291.D
 Acq: 28 Nov 2023 12:42

Tgt Ion:225 Resp: 1031

Ion	Ratio	Lower	Upper
225	100		
223	57.1	31.3	93.8
227	48.0	31.9	95.9

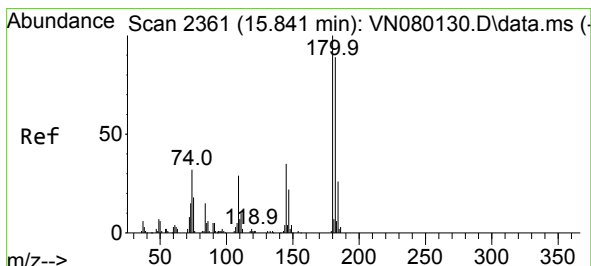
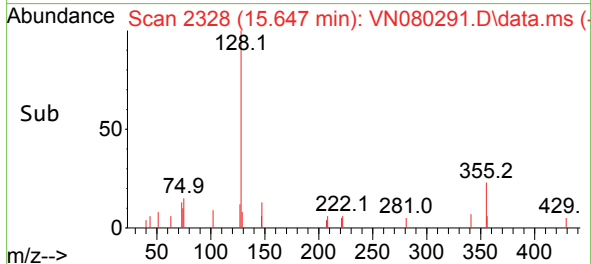
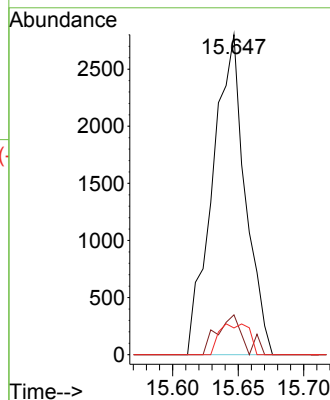
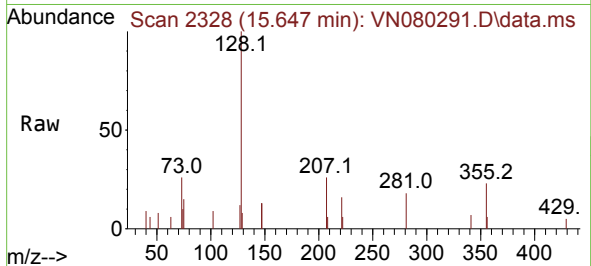




#95
Naphthalene
Concen: 0.571 ug/l
RT: 15.647 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN080291.D
Acq: 28 Nov 2023 12:42

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	4867
Ion Ratio	Lower	Upper	
128	100		
127	10.0	10.0	15.0
129	8.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.379 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.012 min
Lab File: VN080291.D
Acq: 28 Nov 2023 12:42

Tgt Ion:	180	Resp:	1045
Ion Ratio	Lower	Upper	
180	100		
182	133.4	46.2	138.6
145	44.5	17.5	52.6

