

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111723\
 Data File : VN080153.D
 Acq On : 17 Nov 2023 11:18
 Operator : JC\MD
 Sample : VN1117WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 02:24:13 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)

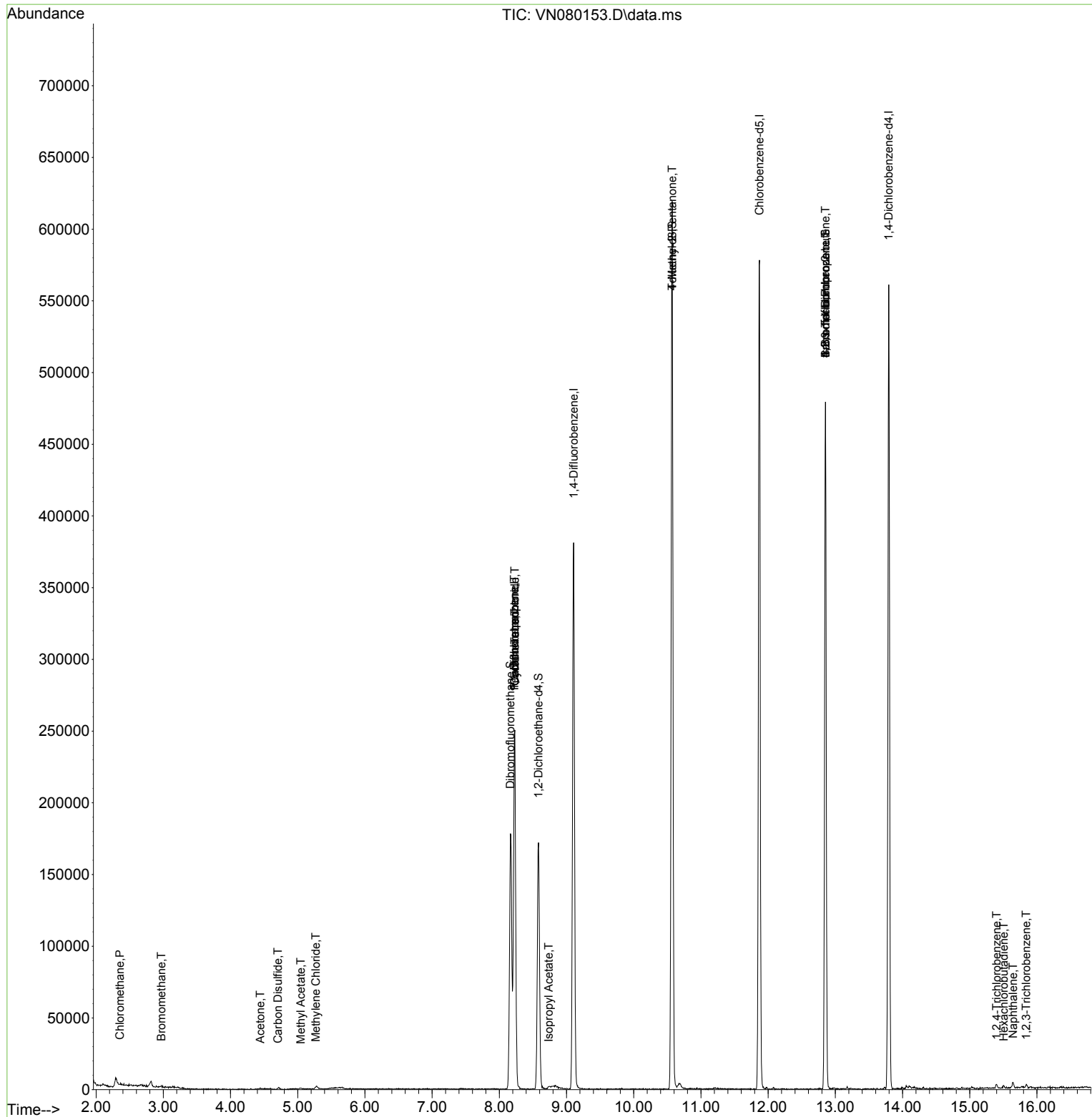
Internal Standards						
1) Pentafluorobenzene	8.224	168	173331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	316956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	338449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	156859	54.808	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.620%	
35) Dibromofluoromethane	8.165	113	124117	53.071	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.140%	
50) Toluene-d8	10.571	98	425855	50.513	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.020%	
62) 4-Bromofluorobenzene	12.853	95	164988	51.812	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	678	0.349	ug/l #	42
5) Bromomethane	2.971	94	435	0.312	ug/l #	22
6) Chloroethane	3.107	64	80	Below Cal	#	43
16) Acetone	4.442	43	575	0.598	ug/l #	40
17) Carbon Disulfide	4.706	76	1428	0.261	ug/l #	75
18) Methyl Acetate	5.048	43	730	0.236	ug/l #	56
20) Methylene Chloride	5.271	84	1280	0.636	ug/l #	58
31) Cyclohexane	8.230	56	3618	1.162	ug/l #	8
36) 1,1-Dichloropropene	8.224	75	14522	4.289	ug/l #	50
38) Carbon Tetrachloride	8.230	117	20165	4.693	ug/l #	19
43) Isopropyl Acetate	8.736	43	1639	0.359	ug/l #	49
51) 4-Methyl-2-Pentanone	10.571	43	1596	0.674	ug/l #	1
71) Bromoform	12.853	173	789	0.357	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	92468	25.624	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	92468	86.574	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	1359	0.470	ug/l	74
94) Hexachlorobutadiene	15.506	225	591	0.355	ug/l	94
95) Naphthalene	15.647	128	4249	0.506	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	1101	0.406	ug/l	83

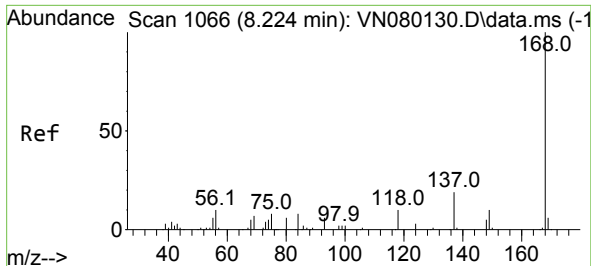
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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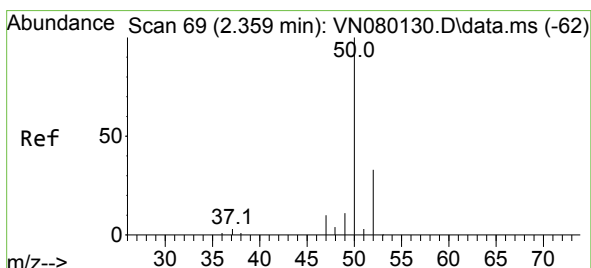
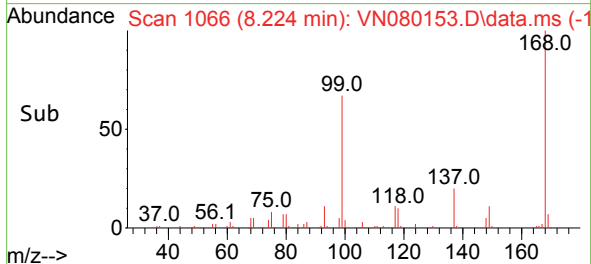
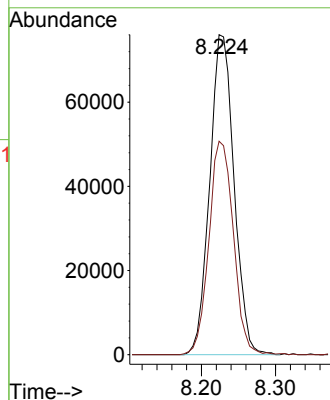
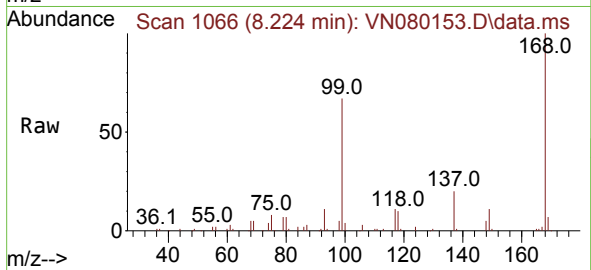




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

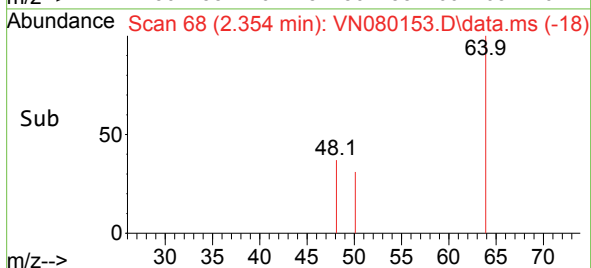
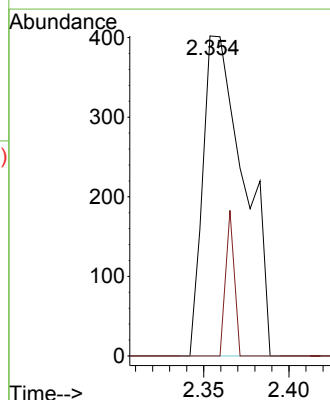
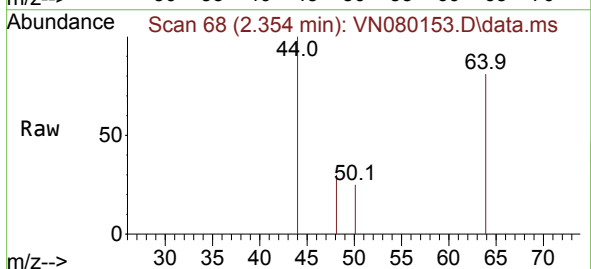
Instrument :
MSVOA_N
ClientSampleId :

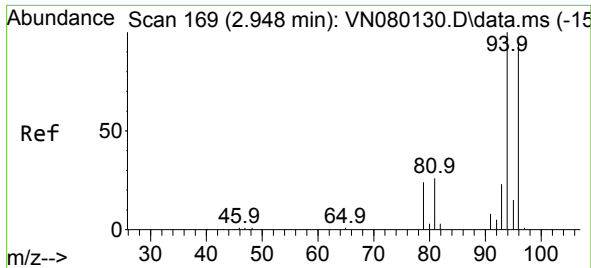
Tgt Ion:168 Resp: 173331
Ion Ratio Lower Upper
168 100
99 66.7 53.0 79.6



#3
Chloromethane
Concen: 0.349 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

Tgt Ion: 50 Resp: 678
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#5

Bromomethane

Concen: 0.312 ug/l

RT: 2.971 min Scan# 11

Delta R.T. 0.024 min

Lab File: VN080153.D

Acq: 17 Nov 2023 11:18

Instrument :

MSVOA_N

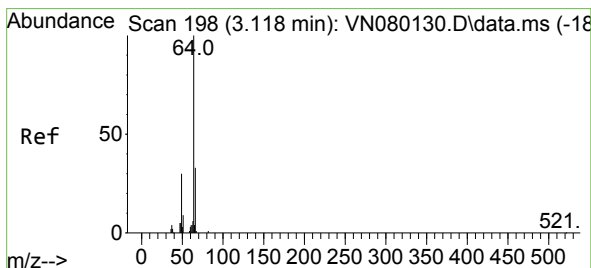
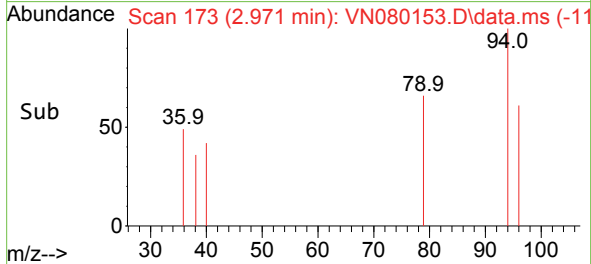
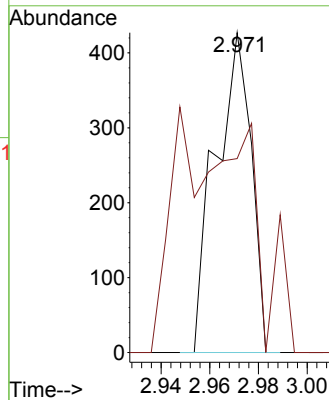
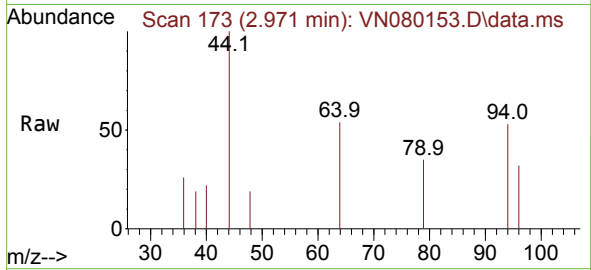
ClientSampleId :

Tgt Ion: 94 Resp: 435

Ion Ratio Lower Upper

94 100

96 17.6 73.1 109.7#



#6

Chloroethane

Concen: Below Cal

RT: 3.107 min Scan# 196

Delta R.T. -0.011 min

Lab File: VN080153.D

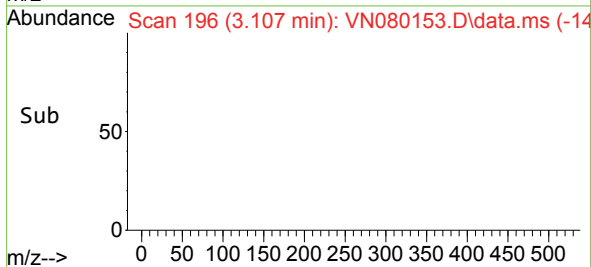
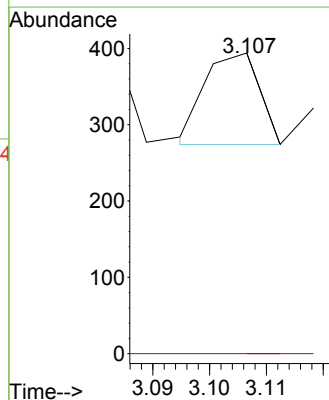
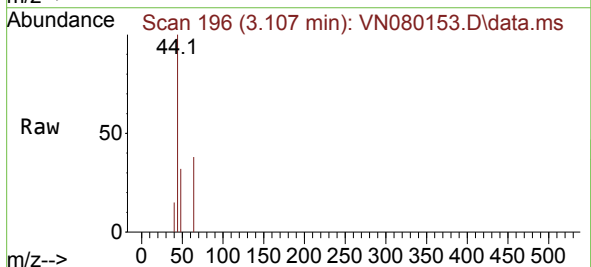
Acq: 17 Nov 2023 11:18

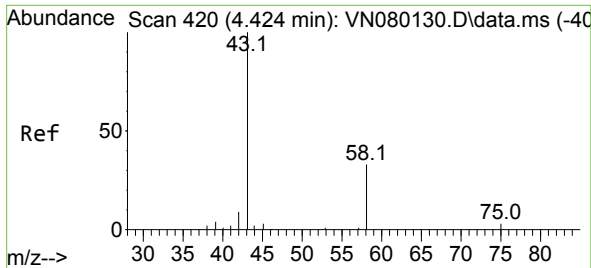
Tgt Ion: 64 Resp: 80

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#





#16

Acetone

Concen: 0.598 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN080153.D

Acq: 17 Nov 2023 11:18

Instrument :

MSVOA_N

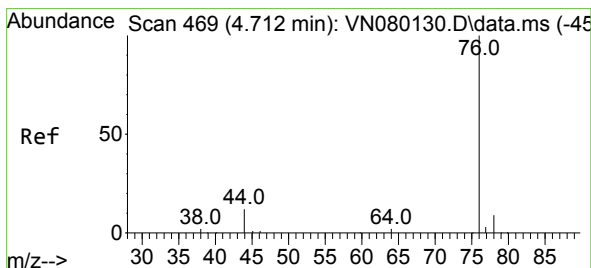
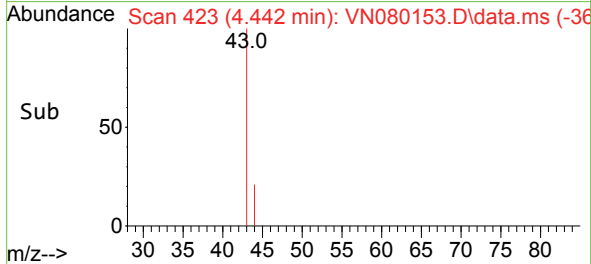
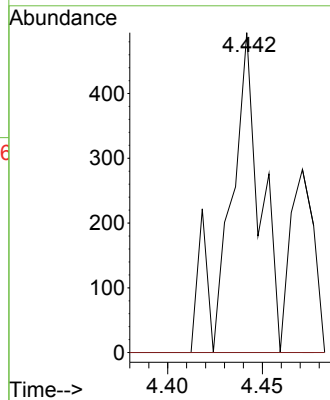
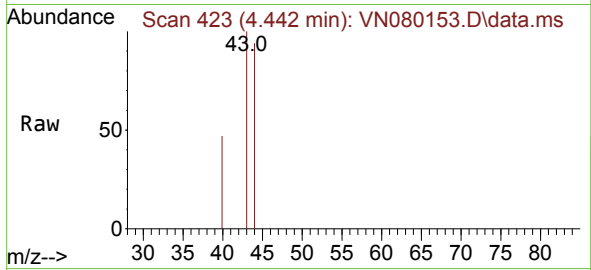
ClientSampleId :

Tgt Ion: 43 Resp: 575

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#17

Carbon Disulfide

Concen: 0.261 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN080153.D

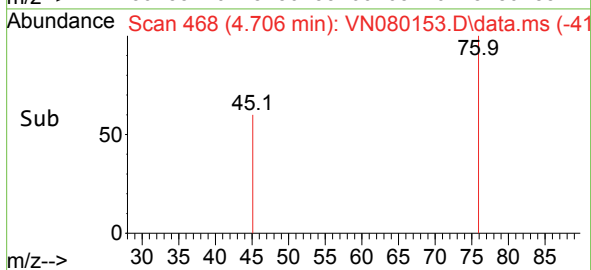
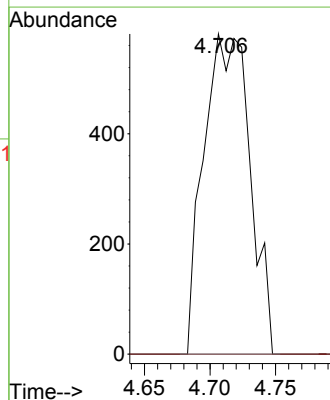
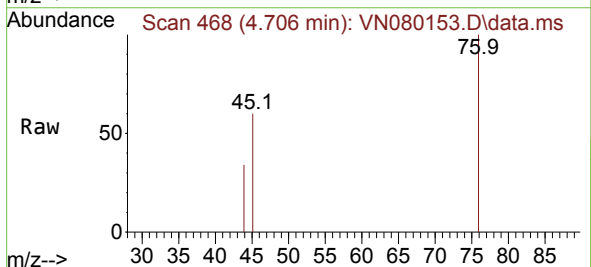
Acq: 17 Nov 2023 11:18

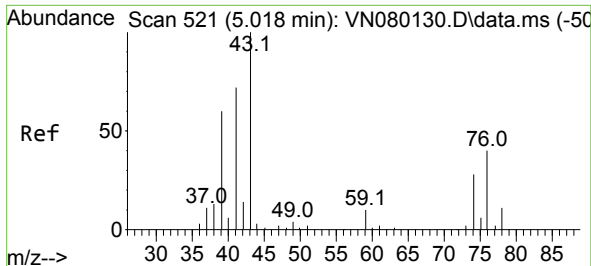
Tgt Ion: 76 Resp: 1428

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

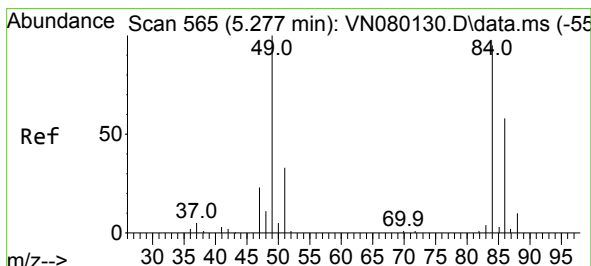
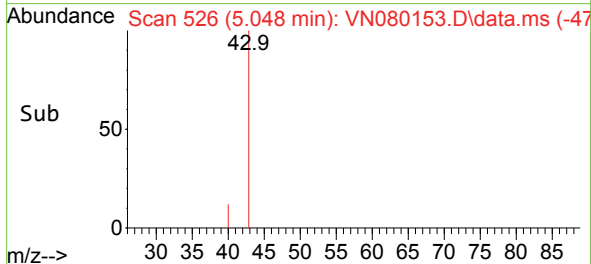
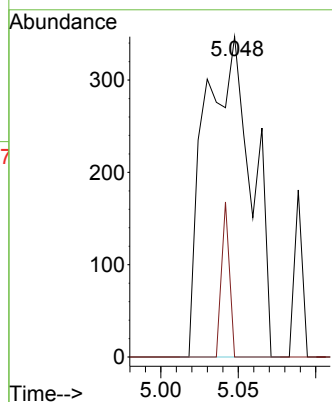
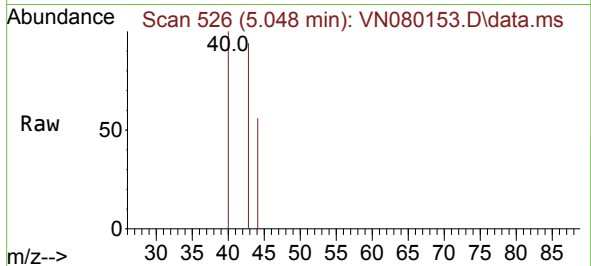




#18
Methyl Acetate
Concen: 0.236 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

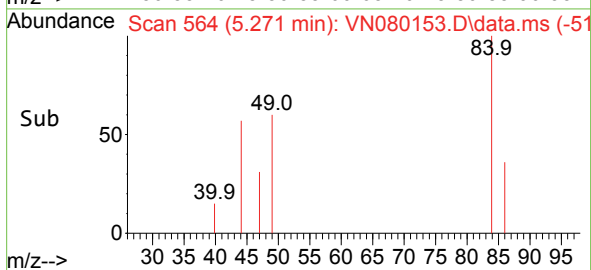
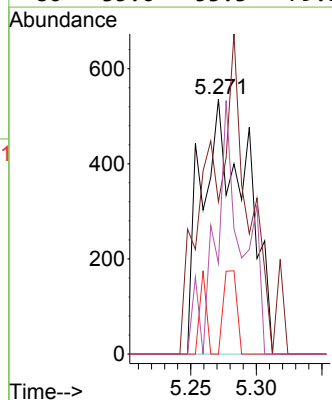
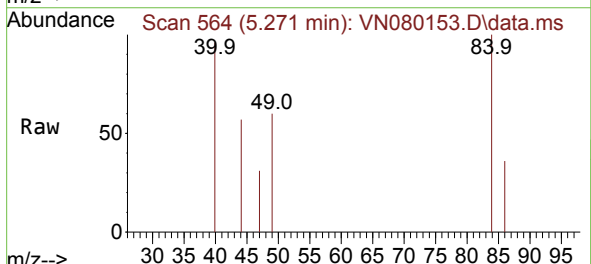
Instrument :
MSVOA_N
ClientSampleId :

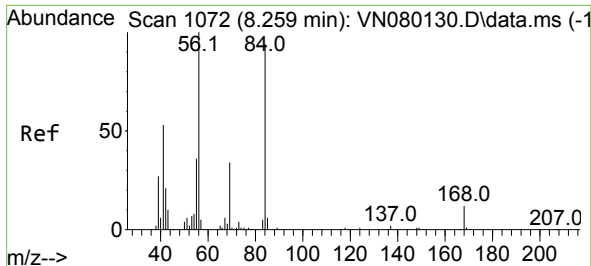
Tgt Ion: 43 Resp: 730
Ion Ratio Lower Upper
43 100
74 8.1 26.2 39.4#



#20
Methylene Chloride
Concen: 0.636 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

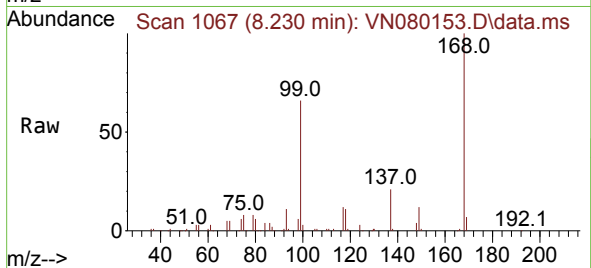
Tgt Ion: 84 Resp: 1280
Ion Ratio Lower Upper
84 100
49 59.7 79.7 119.5#
51 0.0 25.2 37.8#
86 35.6 53.3 79.9#



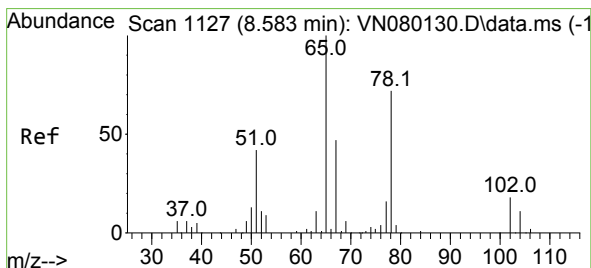
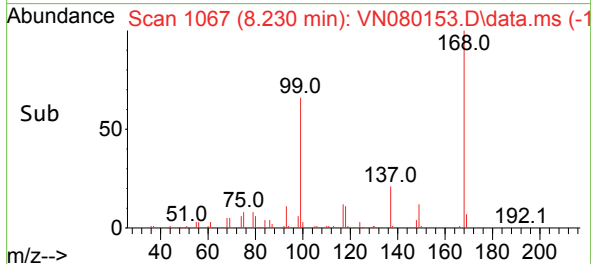
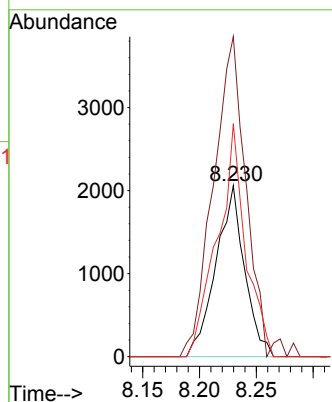


#31
Cyclohexane
Concen: 1.162 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

Instrument :
MSVOA_N
ClientSampleId :

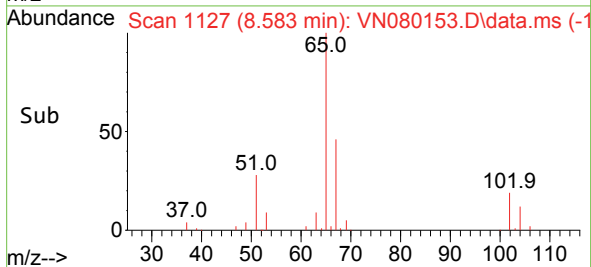
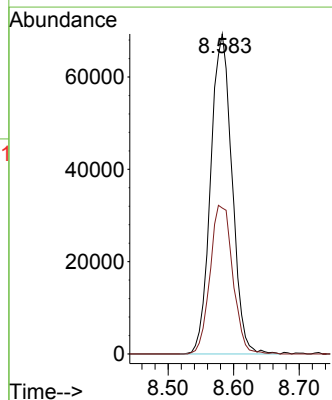
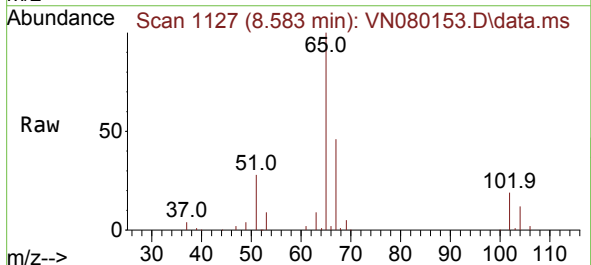


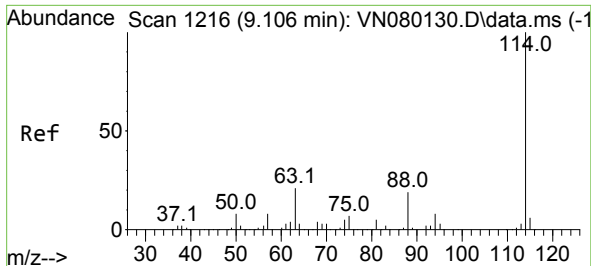
Tgt Ion: 56 Resp: 3618
Ion Ratio Lower Upper
56 100
69 187.0 26.8 40.2#
84 136.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 54.808 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

Tgt Ion: 65 Resp: 156859
Ion Ratio Lower Upper
65 100
67 49.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080153.D

Acq: 17 Nov 2023 11:18

Instrument :

MSVOA_N

ClientSampleId :

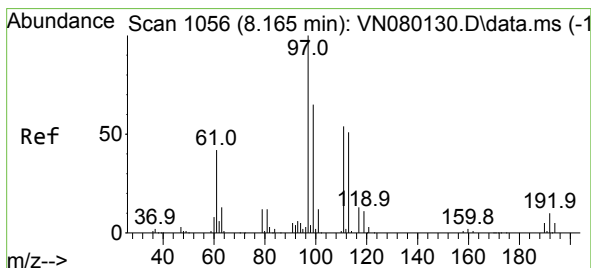
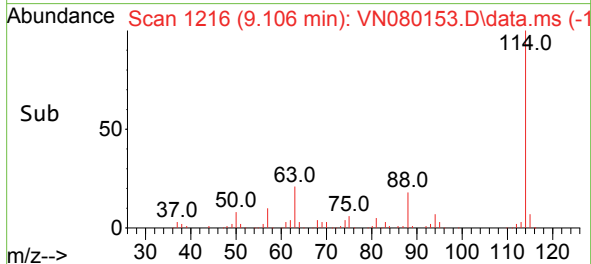
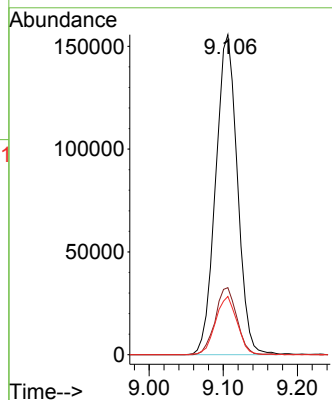
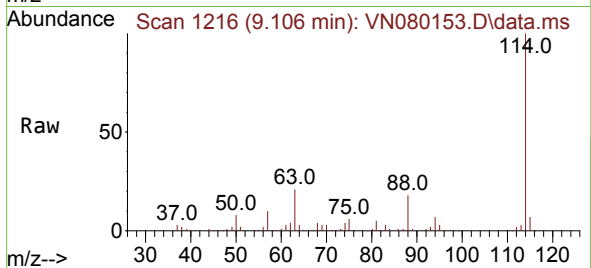
Tgt Ion:114 Resp: 316956

Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 18.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.071 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080153.D

Acq: 17 Nov 2023 11:18

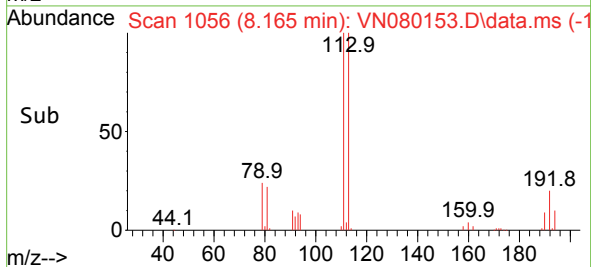
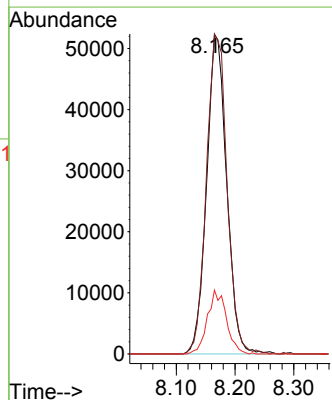
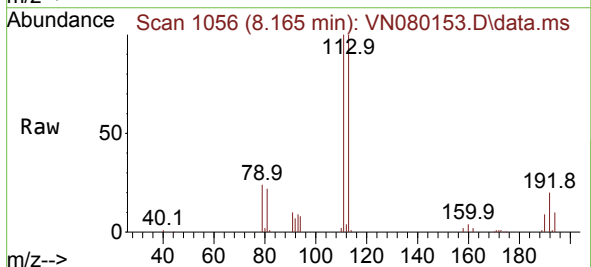
Tgt Ion:113 Resp: 124117

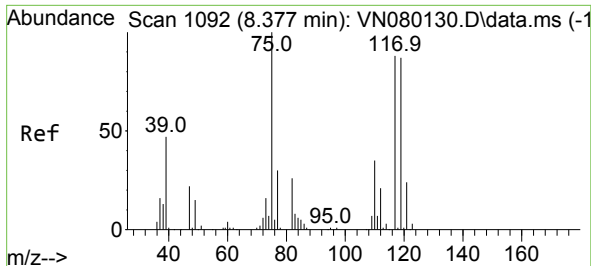
Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 18.9 12.7 19.1

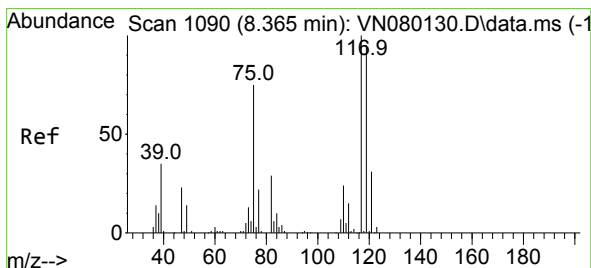
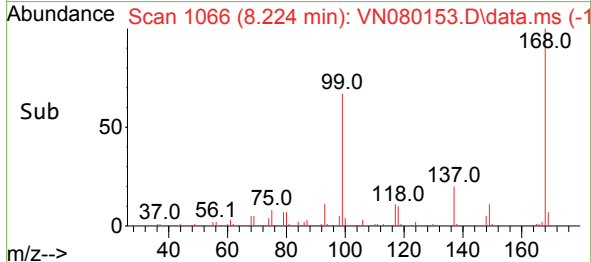
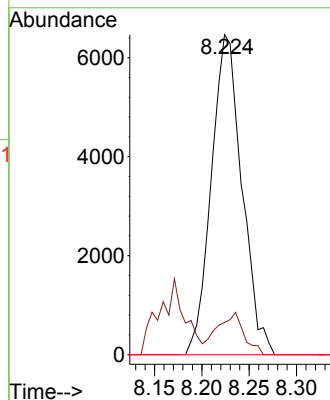
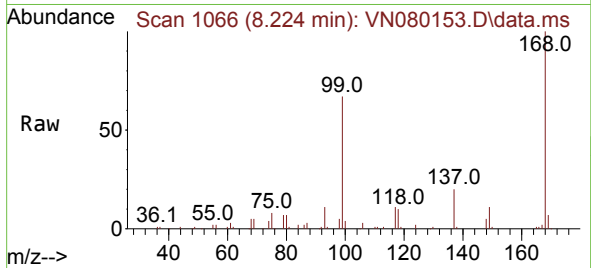




#36
1,1-Dichloropropene
Concen: 4.289 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

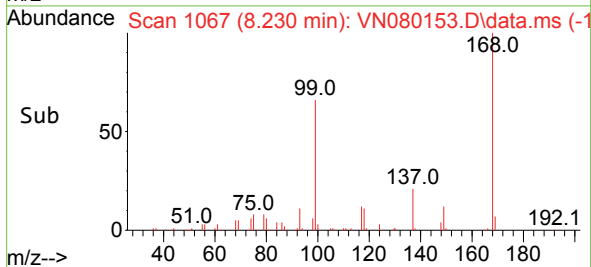
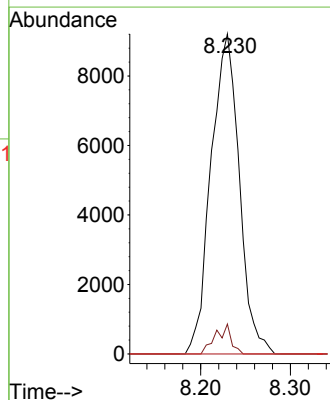
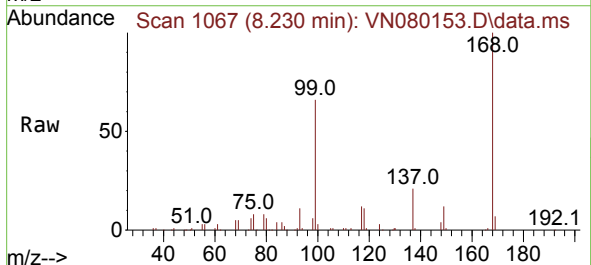
Instrument :
MSVOA_N
ClientSampleId :

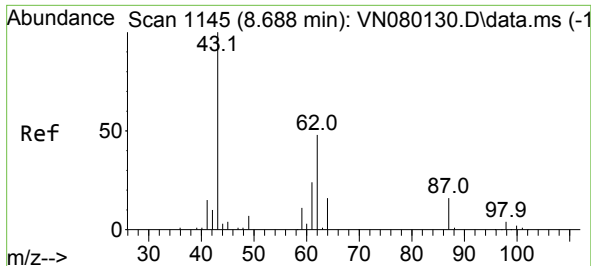
Tgt Ion: 75 Resp: 14522
Ion Ratio Lower Upper
75 100
110 11.6 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 4.693 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

Tgt Ion: 117 Resp: 20165
Ion Ratio Lower Upper
117 100
119 9.3 77.3 115.9#
121 0.0 23.3 34.9#

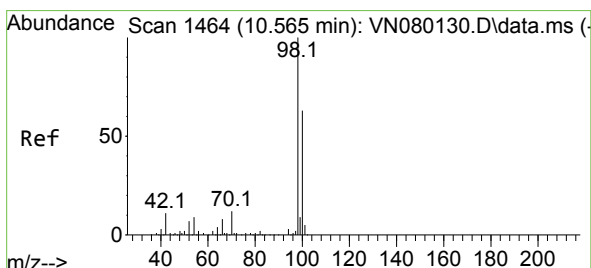
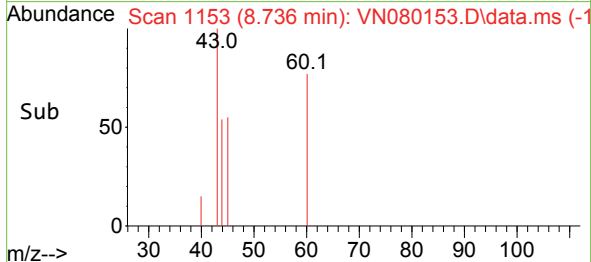
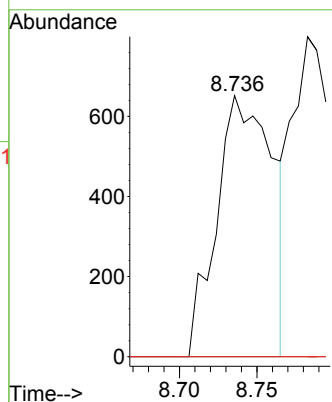
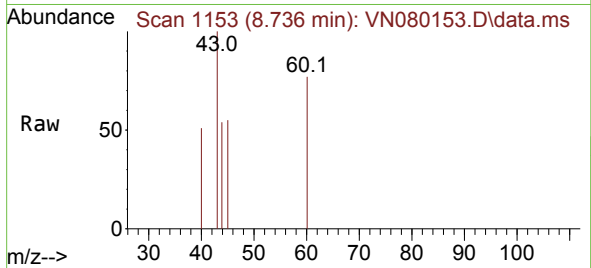




#43
Isopropyl Acetate
Concen: 0.359 ug/l
RT: 8.736 min Scan# 1145
Delta R.T. 0.047 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

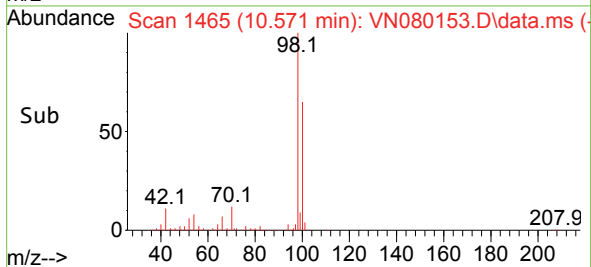
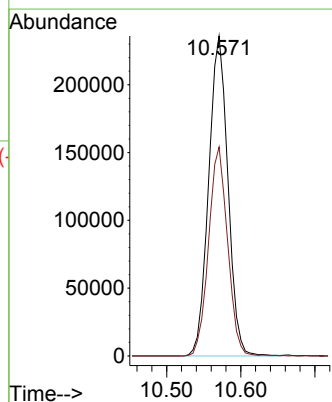
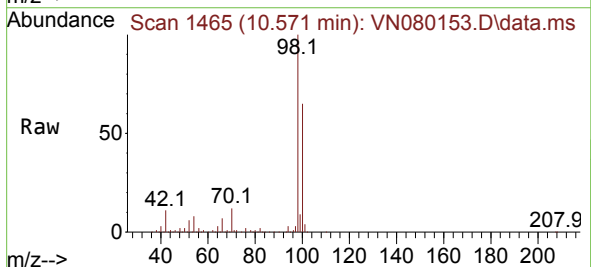
Instrument :
MSVOA_N
ClientSampleId :

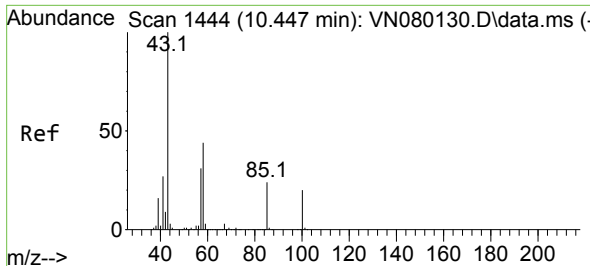
Tgt Ion: 43 Resp: 1639
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 50.513 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

Tgt Ion: 98 Resp: 425855
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

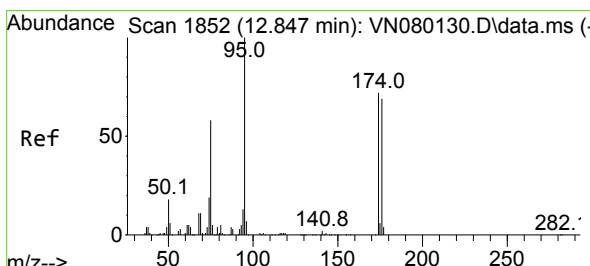
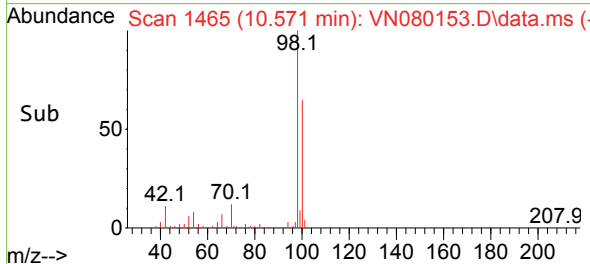
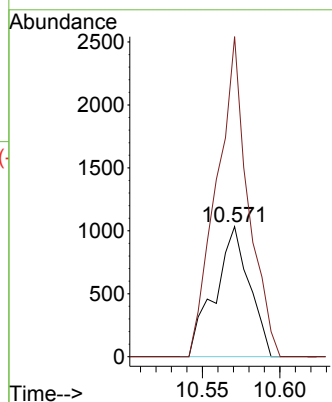
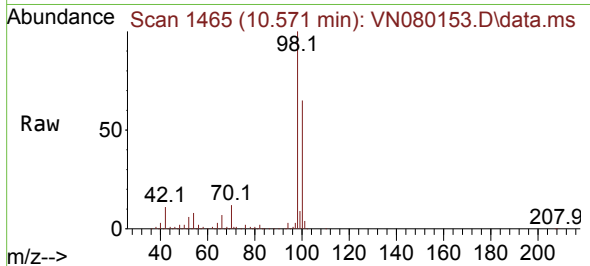




#51
4-Methyl-2-Pentanone
Concen: 0.674 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

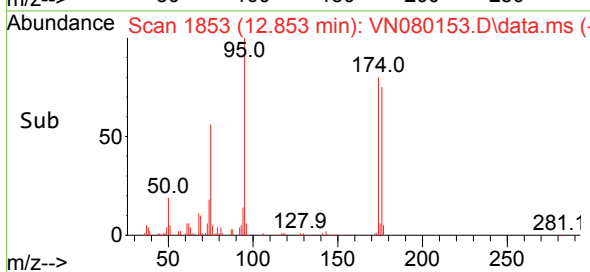
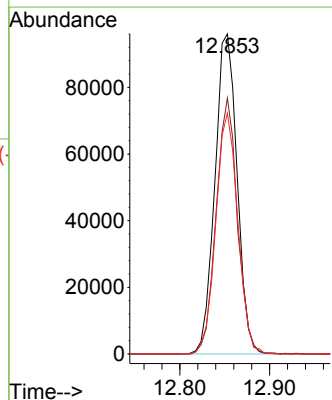
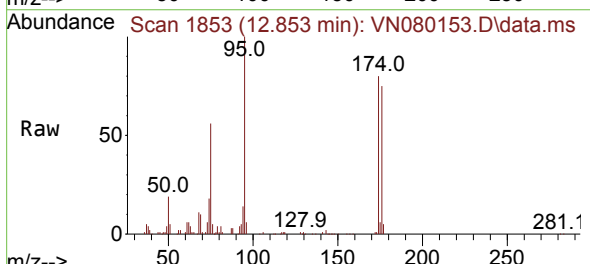
Instrument :
MSVOA_N
ClientSampleId :

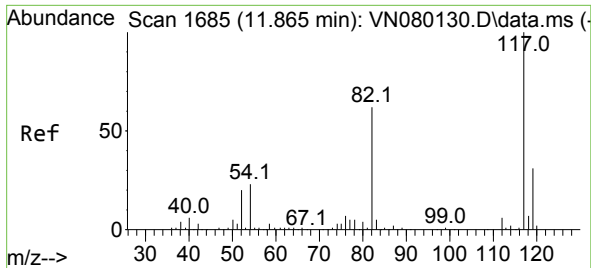
Tgt Ion: 43 Resp: 1596
Ion Ratio Lower Upper
43 100
58 225.6 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 51.812 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

Tgt Ion: 95 Resp: 164988
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.8
176 74.4 0.0 135.8

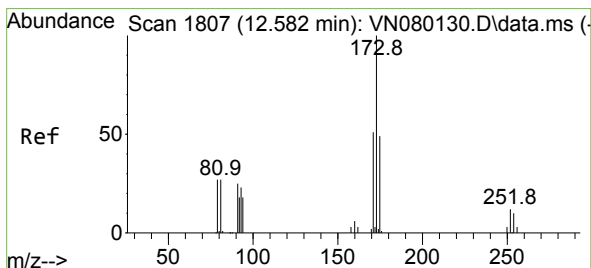
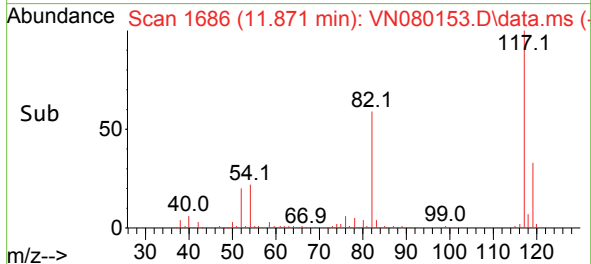
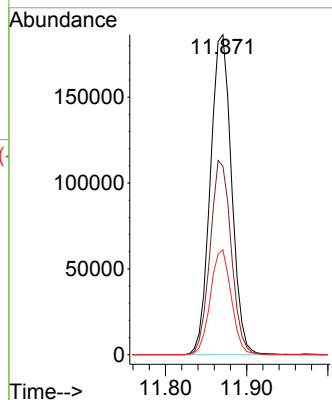
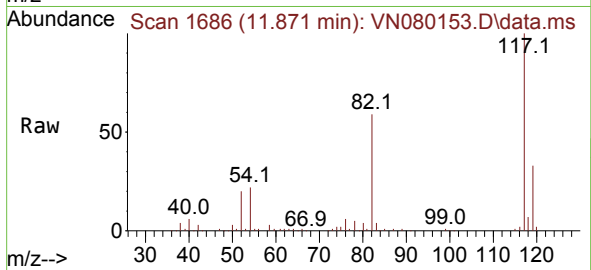




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

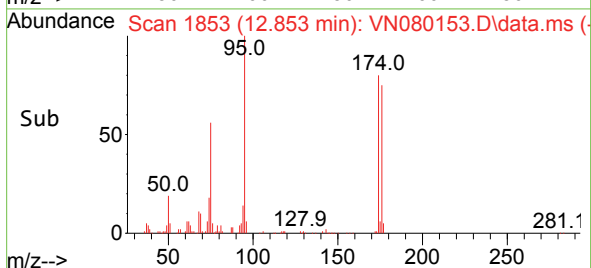
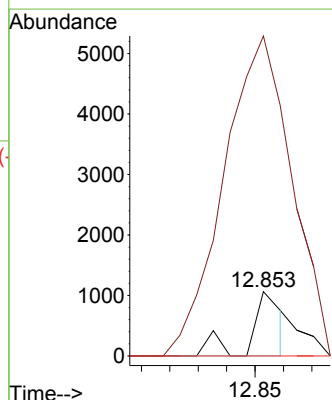
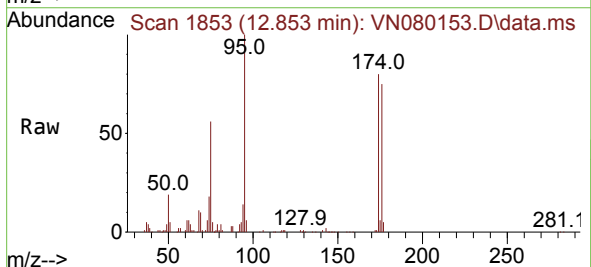
Instrument :
MSVOA_N
ClientSampleId :

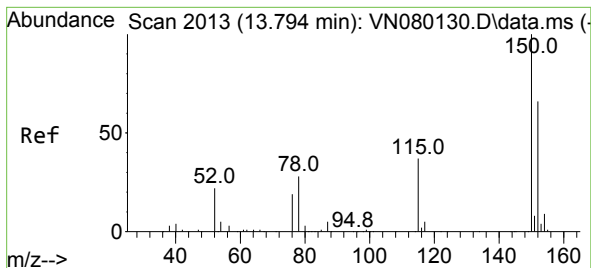
Tgt Ion:117 Resp: 338449
Ion Ratio Lower Upper
117 100
82 58.9 44.0 66.0
119 32.7 25.6 38.4



#71
Bromoform
Concen: 0.357 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

Tgt Ion:173 Resp: 789
Ion Ratio Lower Upper
173 100
175 939.8 24.3 73.0#
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: VN080153.D

Acq: 17 Nov 2023 11:18

Instrument :

MSVOA_N

ClientSampleId :

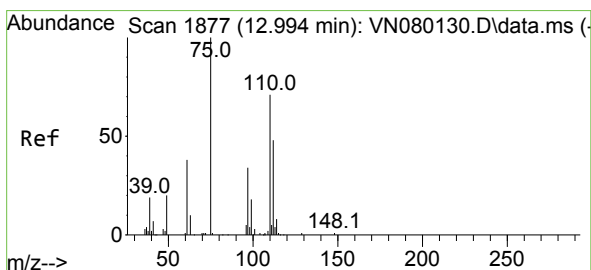
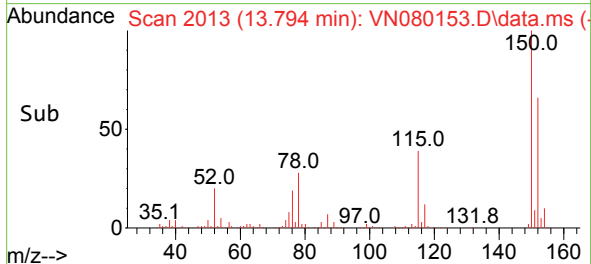
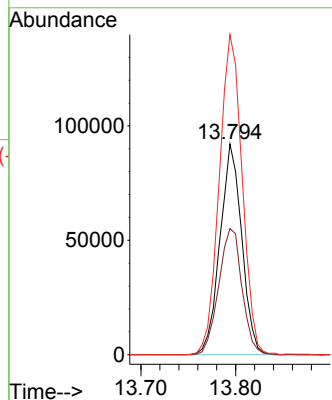
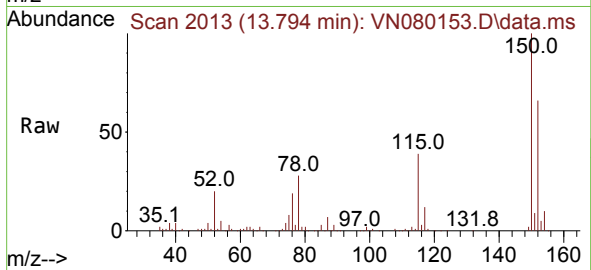
Tgt Ion:152 Resp: 147279

Ion Ratio Lower Upper

152 100

115 64.0 32.3 96.8

150 159.7 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.624 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080153.D

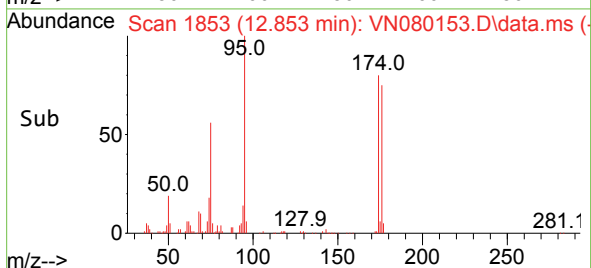
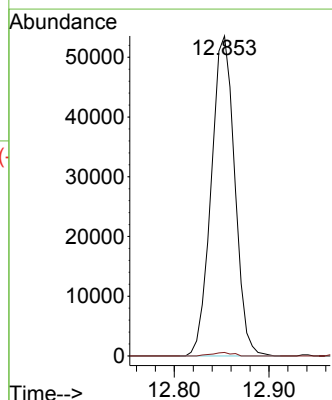
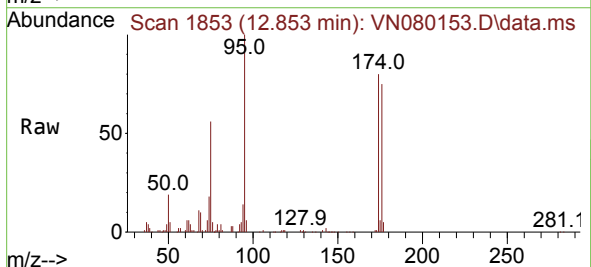
Acq: 17 Nov 2023 11:18

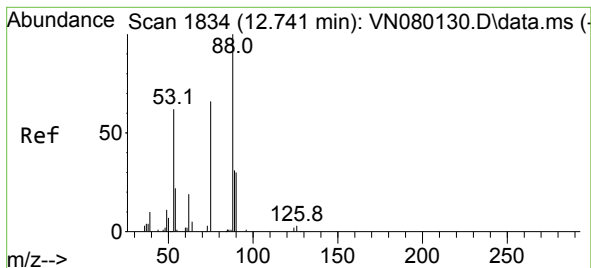
Tgt Ion: 75 Resp: 92468

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#

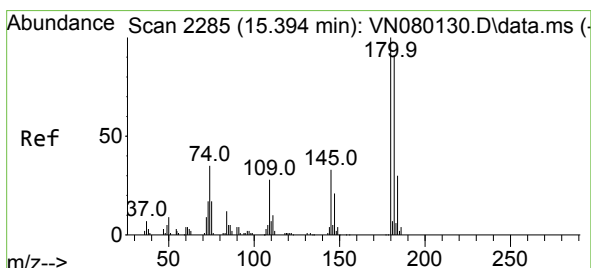
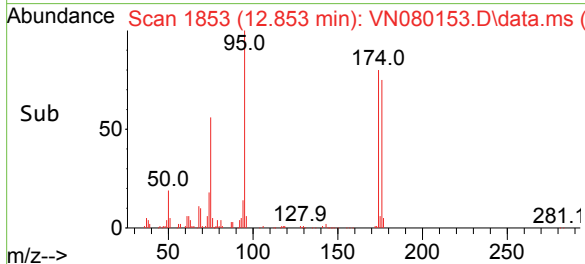
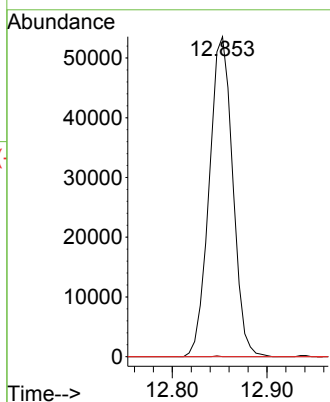
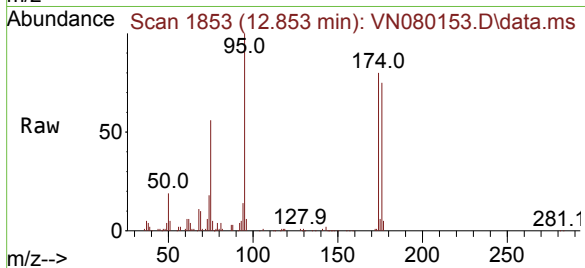




#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.574 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN080153.D
 Acq: 17 Nov 2023 11:18

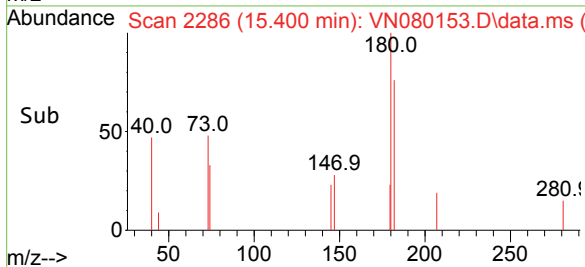
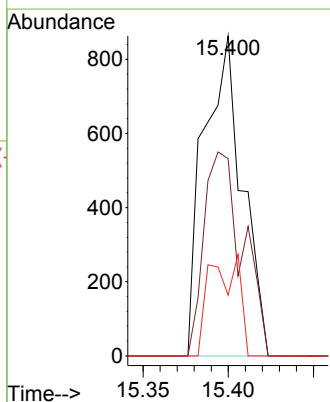
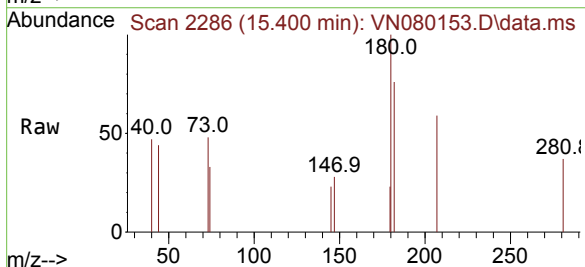
Instrument :
 MSVOA_N
 ClientSampleId :

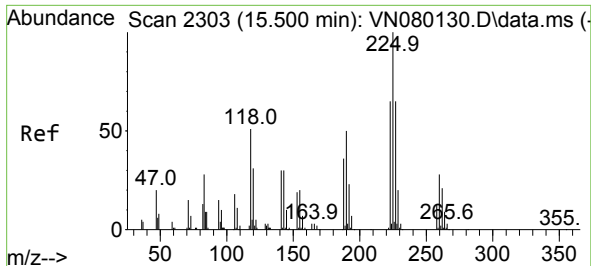
Tgt Ion: 75 Resp: 92468
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.470 ug/l
 RT: 15.400 min Scan# 2286
 Delta R.T. 0.006 min
 Lab File: VN080153.D
 Acq: 17 Nov 2023 11:18

Tgt Ion:180 Resp: 1359
 Ion Ratio Lower Upper
 180 100
 182 64.0 46.1 138.2
 145 24.0 16.6 49.8

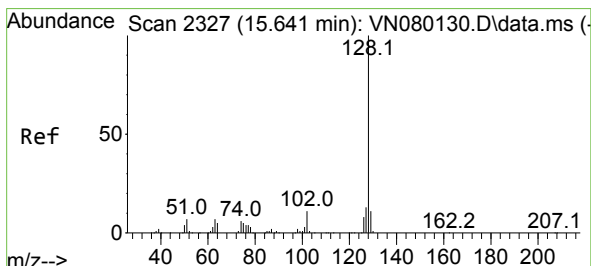
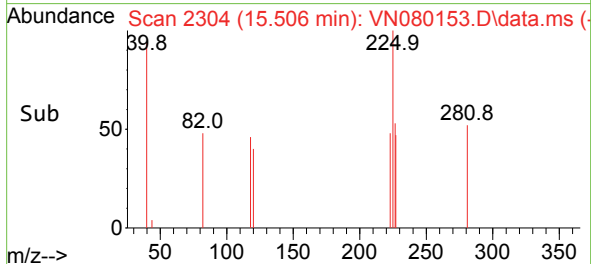
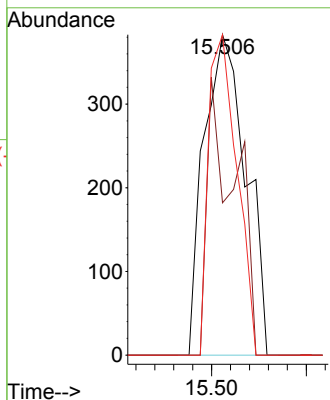
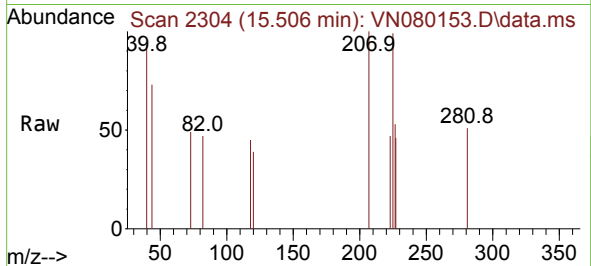




#94
Hexachlorobutadiene
Concen: 0.355 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

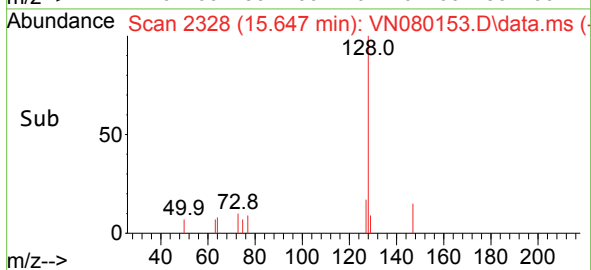
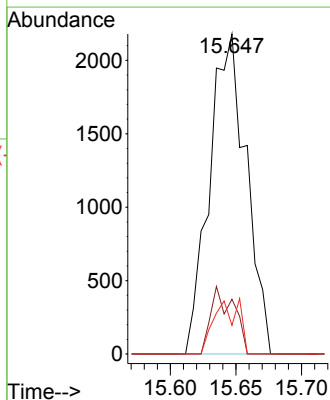
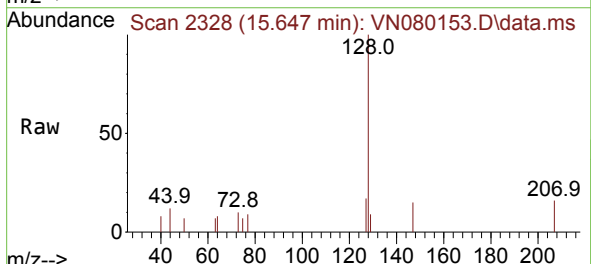
Instrument :
MSVOA_N
ClientSampleId :

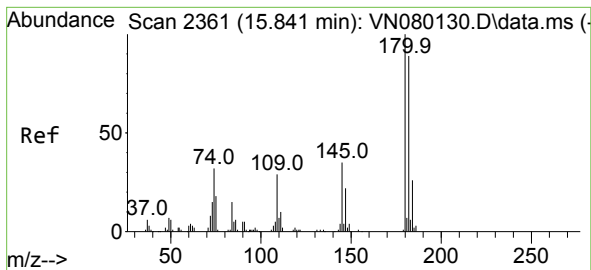
Tgt Ion:225 Resp: 591
Ion Ratio Lower Upper
225 100
223 57.7 31.3 93.8
227 67.7 31.9 95.9



#95
Naphthalene
Concen: 0.506 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080153.D
Acq: 17 Nov 2023 11:18

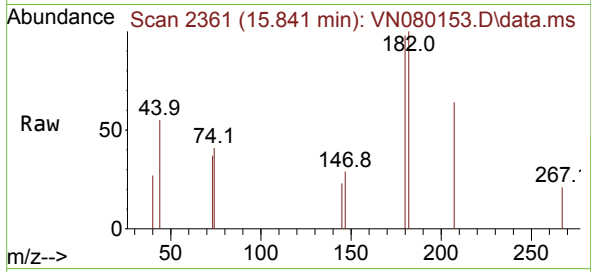
Tgt Ion:128 Resp: 4249
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 11.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.406 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080153.D
 Acq: 17 Nov 2023 11:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1101
Ion	Ratio	Lower	Upper
180	100		
182	105.5	46.2	138.6
145	19.3	17.5	52.6

