

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112223\
 Data File : VN080237.D
 Acq On : 22 Nov 2023 10:45
 Operator : JC\MD
 Sample : VN1122MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 00:15:16 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)

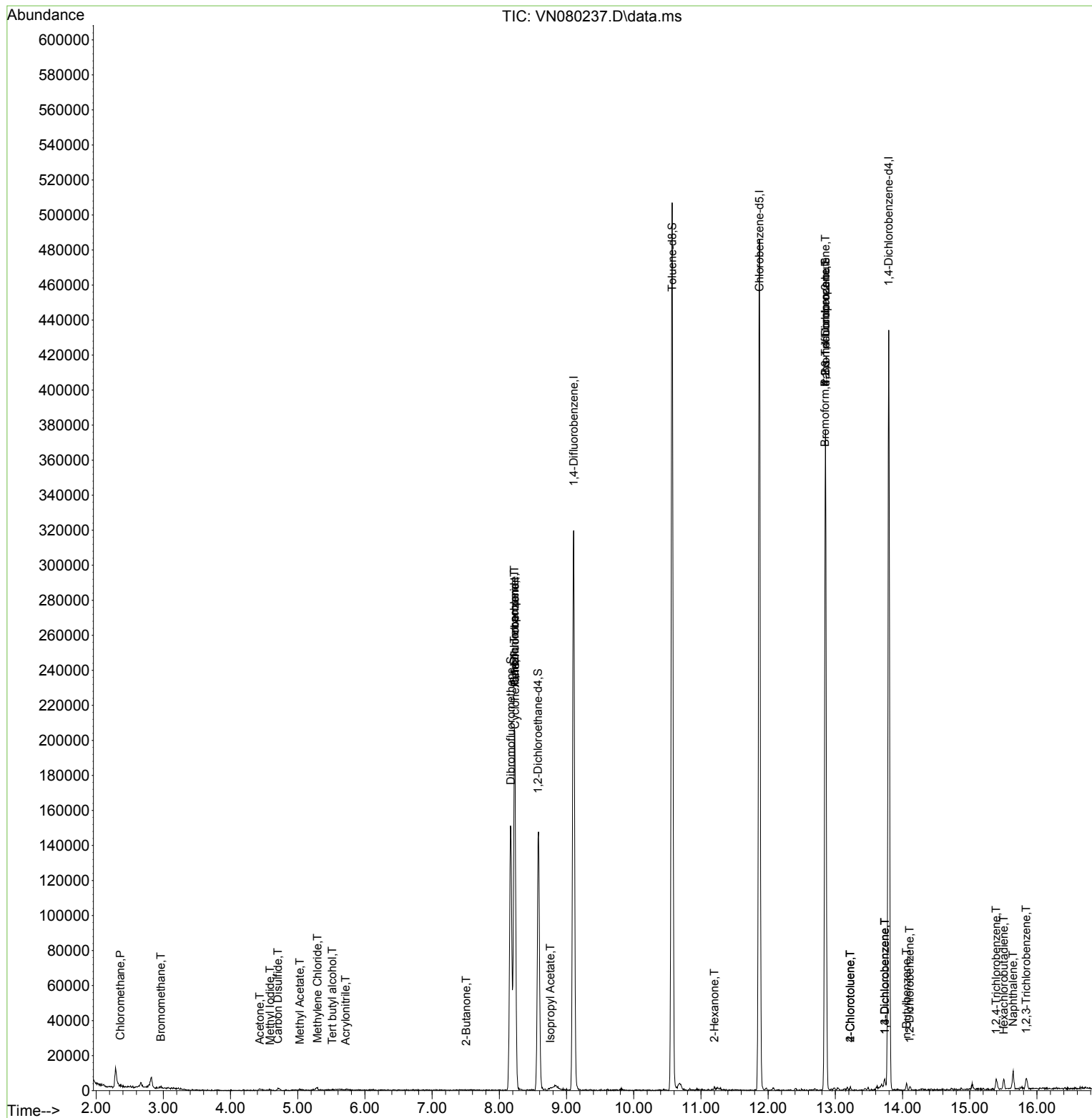
Internal Standards						
1) Pentafluorobenzene	8.230	168	144057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	262905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	276002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	113363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135880	57.126	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.260%			
35) Dibromofluoromethane	8.171	113	104806	54.027	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.060%			
50) Toluene-d8	10.571	98	345434	49.398	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.800%			
62) 4-Bromofluorobenzene	12.853	95	129713	49.109	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.220%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	402	0.249	ug/l #	42
5) Bromomethane	2.965	94	282	0.243	ug/l #	20
6) Chloroethane	3.112	64	174	Below Cal	#	43
10) Methyl Iodide	4.589	142	604	0.343	ug/l #	79
11) Tert butyl alcohol	5.512	59	53	0.203	ug/l #	72
15) Acrylonitrile	5.712	53	427	0.608	ug/l #	78
16) Acetone	4.436	43	975	1.220	ug/l #	40
17) Carbon Disulfide	4.706	76	1670	0.367	ug/l #	75
18) Methyl Acetate	5.030	43	564	0.220	ug/l #	42
20) Methylene Chloride	5.295	84	1112	0.665	ug/l #	38
25) 2-Butanone	7.506	43	197	0.208	ug/l #	37
31) Cyclohexane	8.236	56	3130	1.210	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	11762	4.188	ug/l #	50
38) Carbon Tetrachloride	8.224	117	16363	4.591	ug/l #	18
43) Isopropyl Acetate	8.759	43	968	0.255	ug/l #	49
59) 2-Hexanone	11.200	43	1080	0.685	ug/l	77
71) Bromoform	12.847	173	507	0.282	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	73123	26.326	ug/l #	1
79) 2-Chlorotoluene	13.223	91	1536	0.240	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.853	75	73123	88.945	ug/l #	15
82) 4-Chlorotoluene	13.223	91	1536	0.234	ug/l	93
87) 1,3-Dichlorobenzene	13.735	146	1080	0.270	ug/l	75
88) 1,4-Dichlorobenzene	13.735	146	1080	0.269	ug/l	72
89) n-Butylbenzene	14.059	91	2559	0.440	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	1263	0.330	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	2200	0.988	ug/l	97
94) Hexachlorobutadiene	15.506	225	1487	1.160	ug/l	98
95) Naphthalene	15.647	128	9601	1.487	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.841	180	2905	1.392	ug/l	93

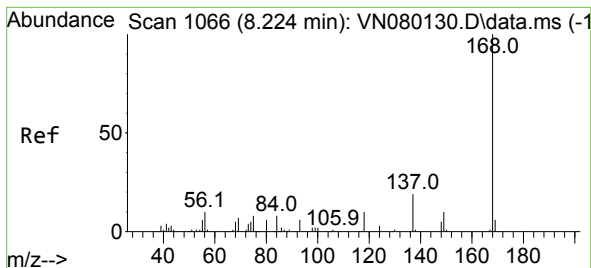
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080237.D

Acq: 22 Nov 2023 10:45

Instrument :

MSVOA_N

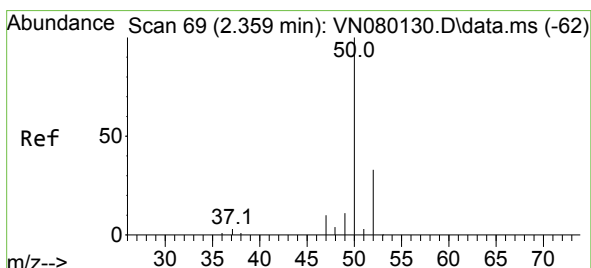
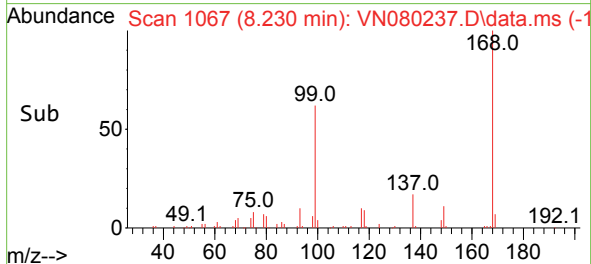
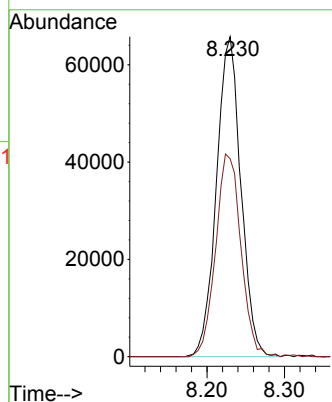
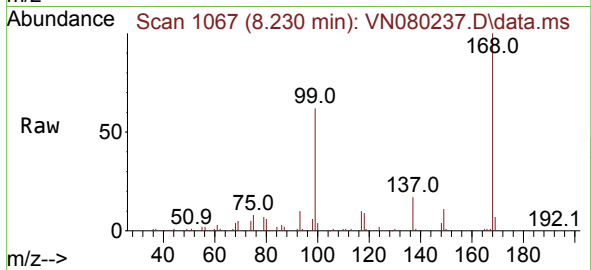
ClientSampleId :

Tgt Ion:168 Resp: 144057

Ion Ratio Lower Upper

168 100

99 61.9 53.0 79.6



#3

Chloromethane

Concen: 0.249 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080237.D

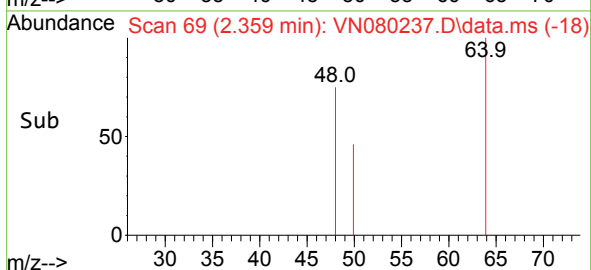
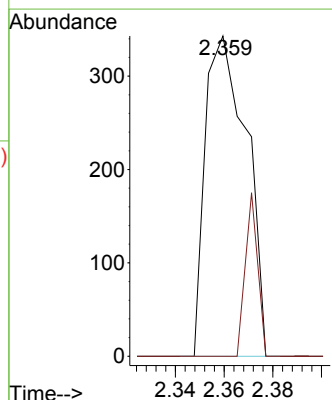
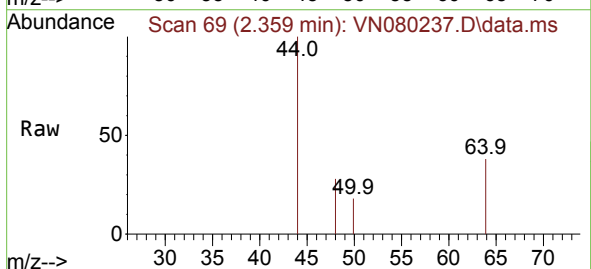
Acq: 22 Nov 2023 10:45

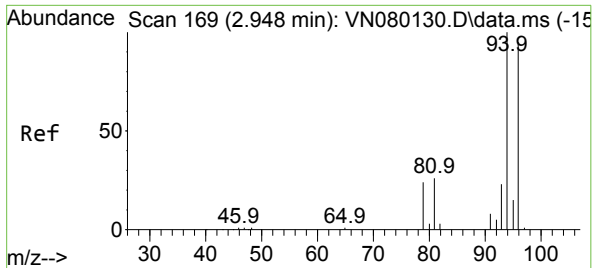
Tgt Ion: 50 Resp: 402

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

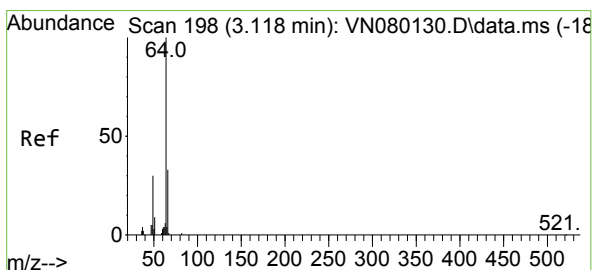
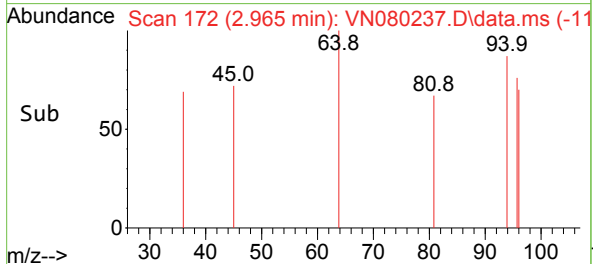
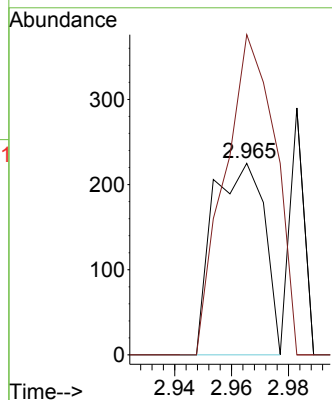
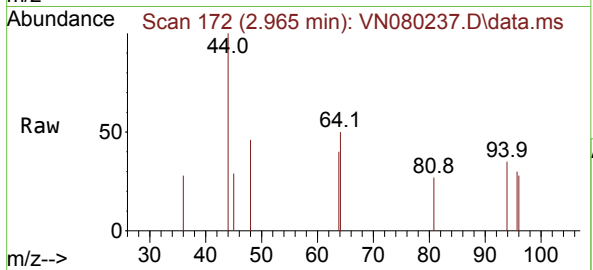




#5
Bromomethane
Concen: 0.243 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

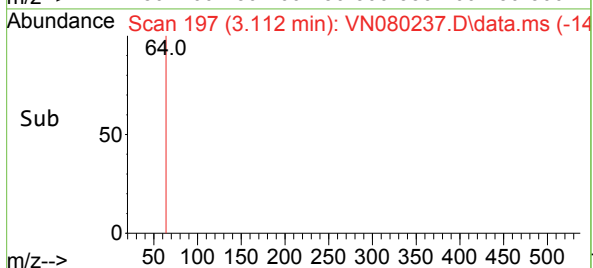
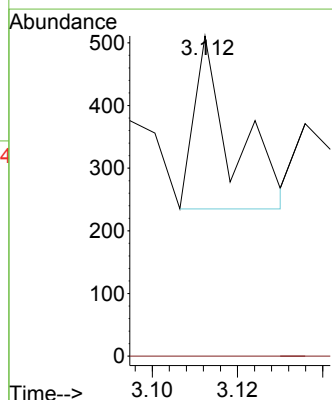
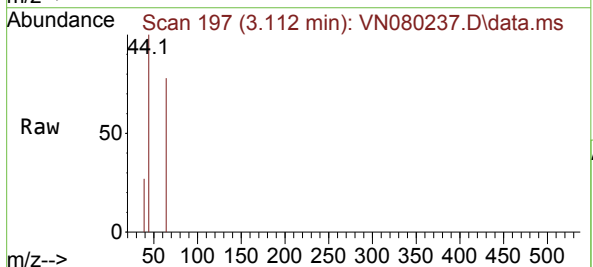
Instrument :
MSVOA_N
ClientSampleId :

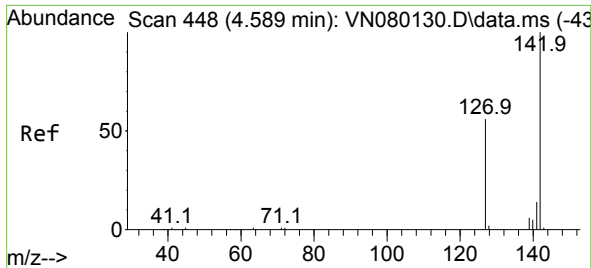
Tgt Ion: 94 Resp: 282
Ion Ratio Lower Upper
94 100
96 167.1 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

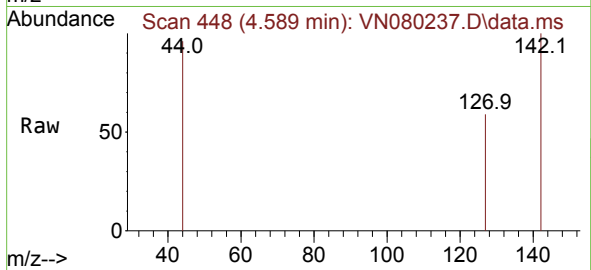
Tgt Ion: 64 Resp: 174
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



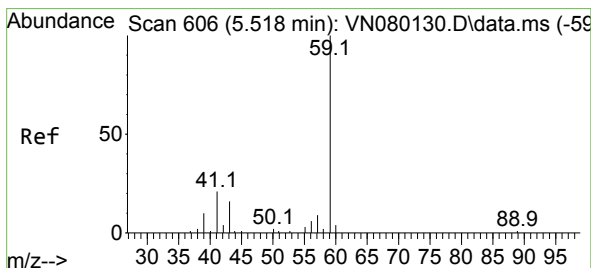
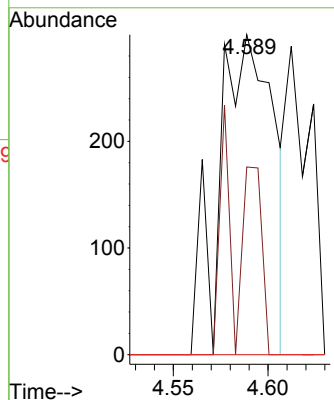
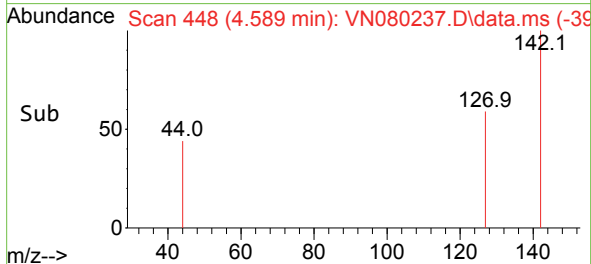


#10
Methyl Iodide
Concen: 0.343 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

Instrument :
MSVOA_N
ClientSampleId :

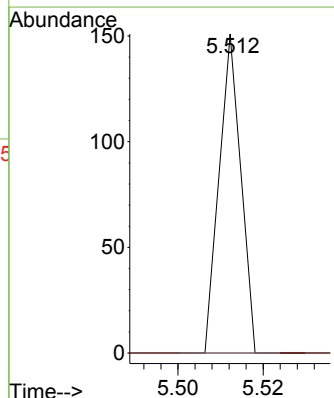
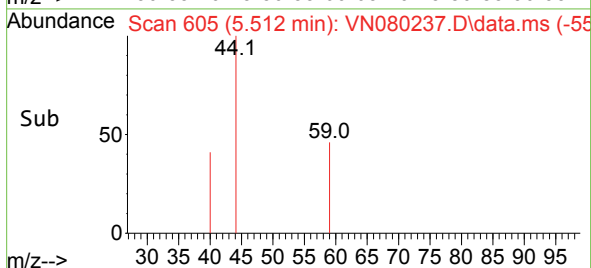
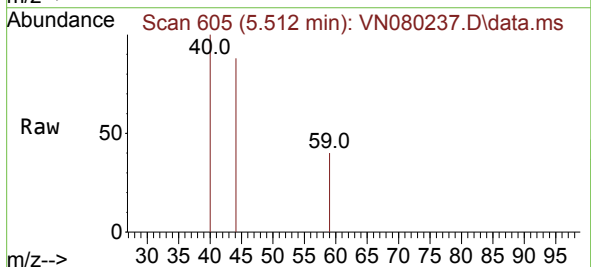


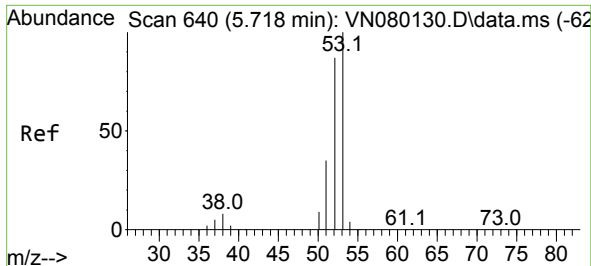
Tgt Ion:142 Resp: 604
Ion Ratio Lower Upper
142 100
127 58.7 37.6 56.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.203 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

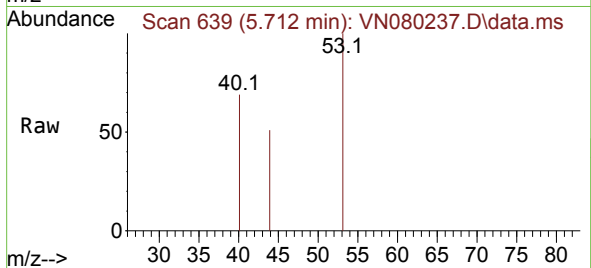
Tgt Ion: 59 Resp: 53
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



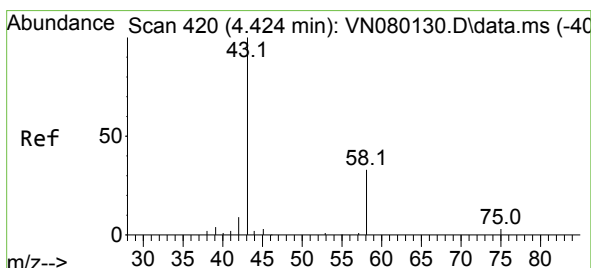
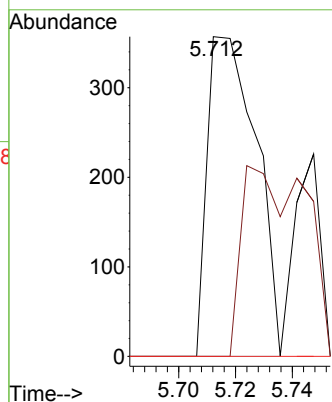


#15
Acrylonitrile
Concen: 0.608 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

Instrument :
MSVOA_N
ClientSampleId :

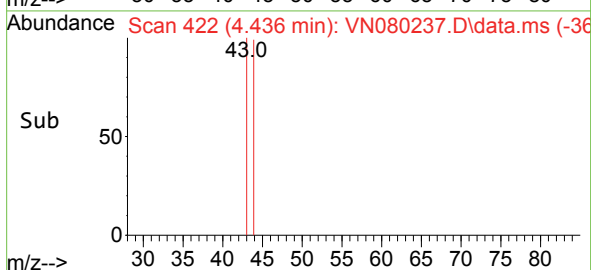
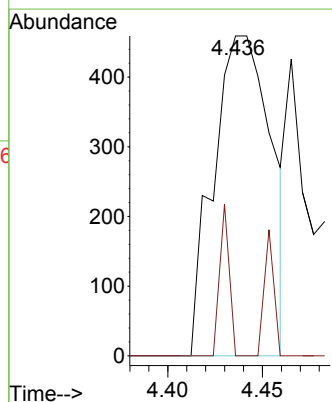
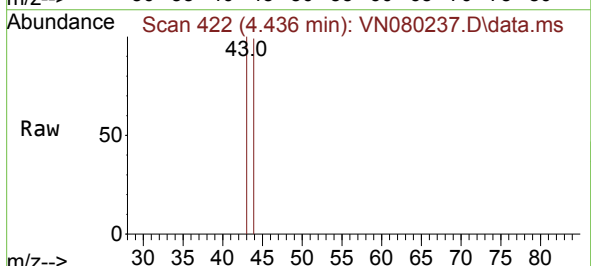


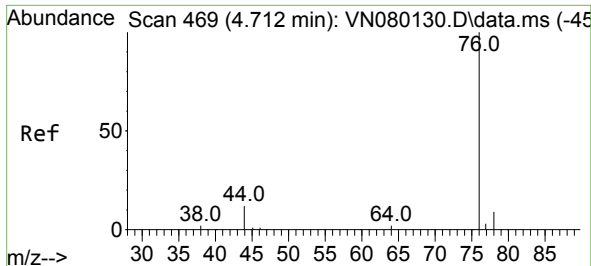
Tgt Ion: 53 Resp: 427
Ion Ratio Lower Upper
53 100
52 78.0 65.3 97.9
51 0.0 28.9 43.3#



#16
Acetone
Concen: 1.220 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

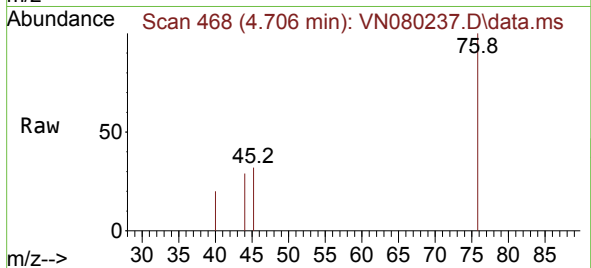
Tgt Ion: 43 Resp: 975
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



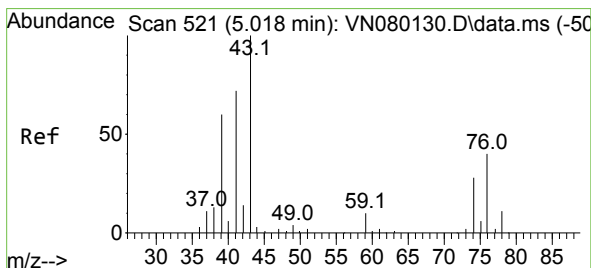
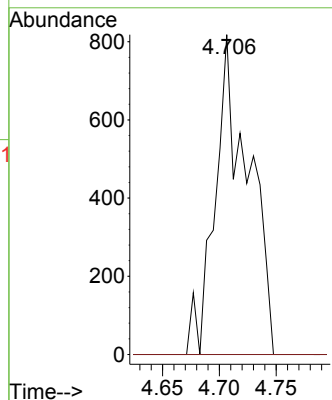
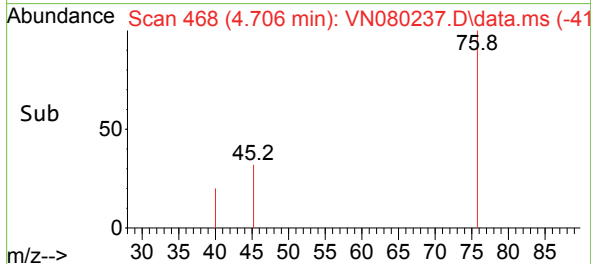


#17
Carbon Disulfide
Concen: 0.367 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

Instrument :
MSVOA_N
ClientSampleId :

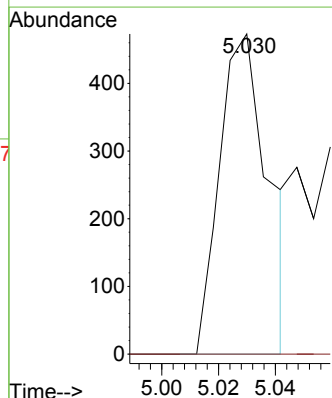
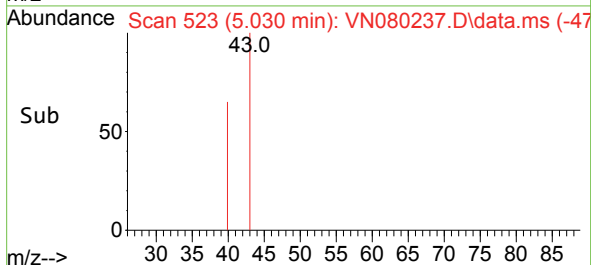
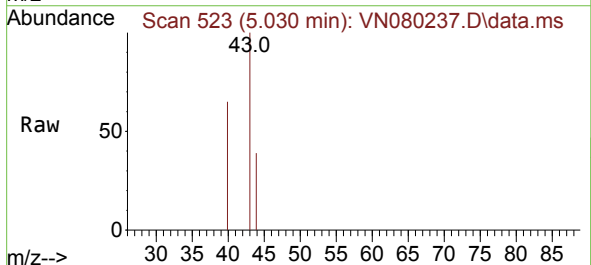


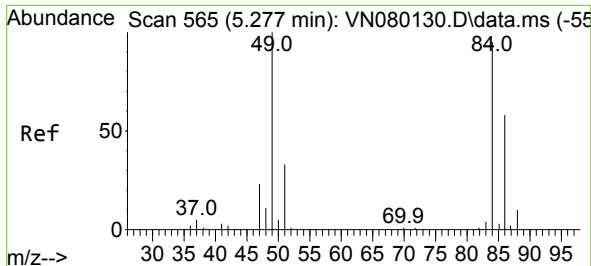
Tgt Ion: 76 Resp: 1670
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.220 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

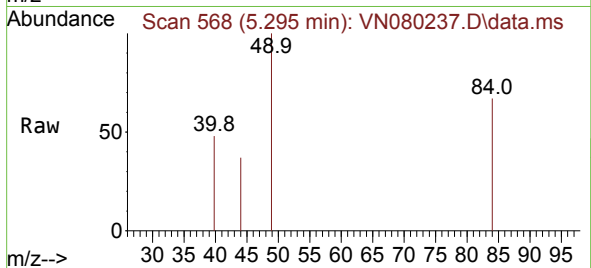
Tgt Ion: 43 Resp: 564
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#





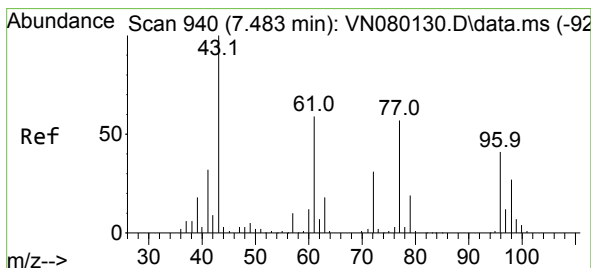
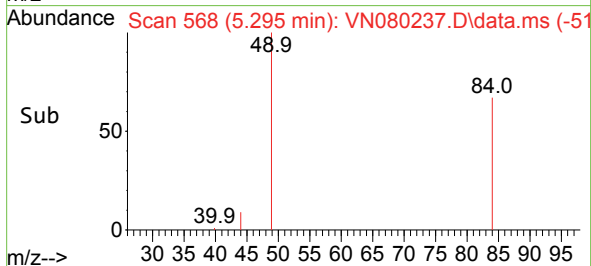
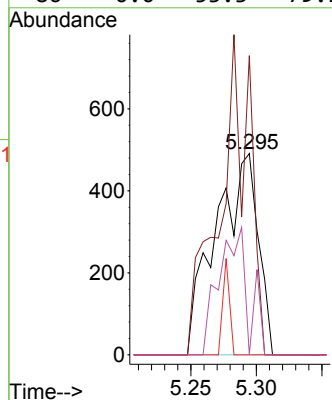
#20
Methylene Chloride
Concen: 0.665 ug/l
RT: 5.295 min Scan# 50
Delta R.T. 0.018 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1112

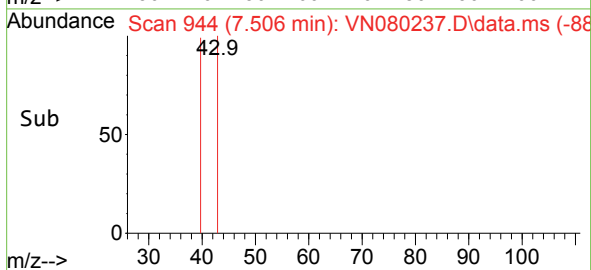
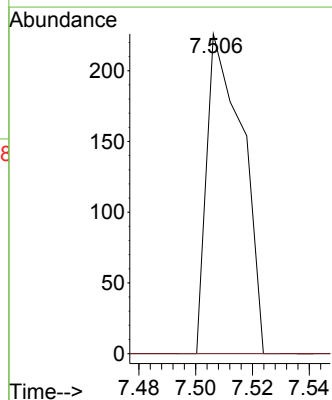
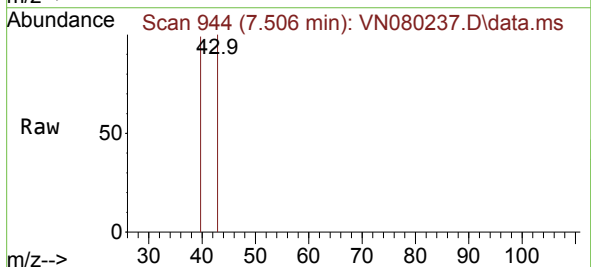
Ion	Ratio	Lower	Upper
84	100		
49	148.7	79.7	119.5#
51	0.0	25.2	37.8#
86	0.0	53.3	79.9#

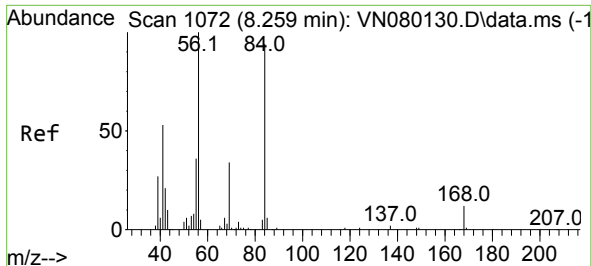


#25
2-Butanone
Concen: 0.208 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.024 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

Tgt Ion: 43 Resp: 197

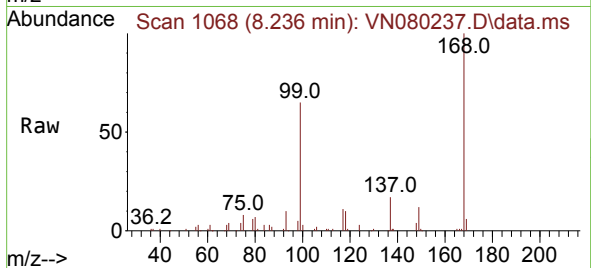
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#



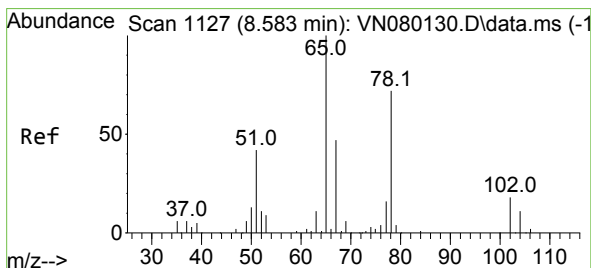
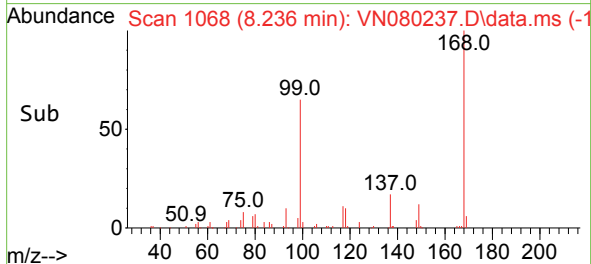
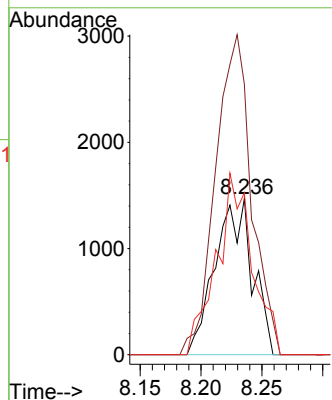


#31
Cyclohexane
Concen: 1.210 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.024 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

Instrument :
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ClientSampleId :

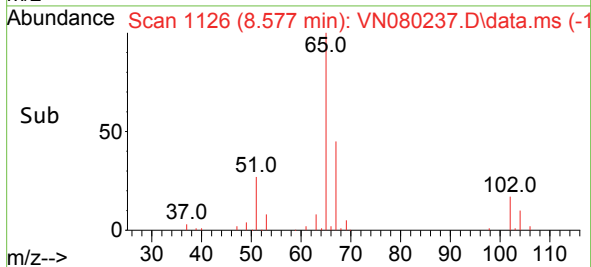
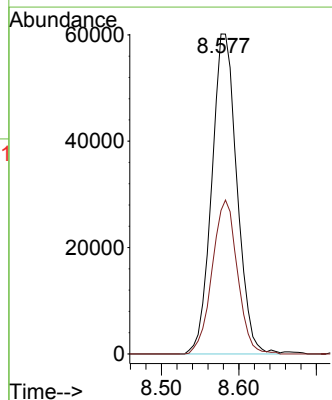
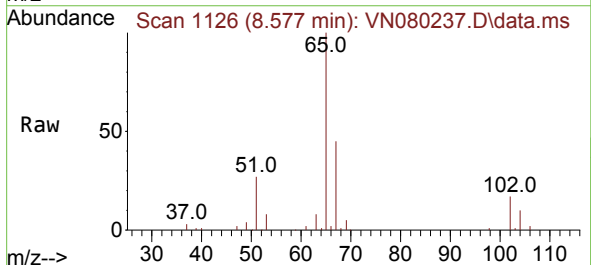


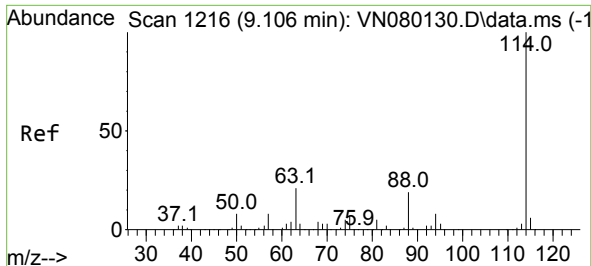
Tgt Ion: 56 Resp: 3130
Ion Ratio Lower Upper
56 100
69 173.2 26.8 40.2#
84 103.7 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 57.126 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

Tgt Ion: 65 Resp: 135880
Ion Ratio Lower Upper
65 100
67 48.2 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: VN080237.D

Acq: 22 Nov 2023 10:45

Instrument :

MSVOA_N

ClientSampleId :

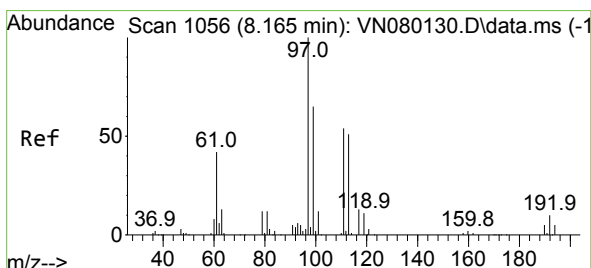
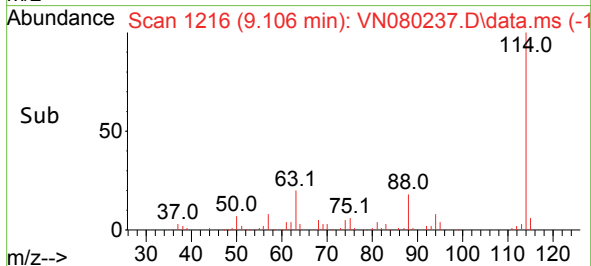
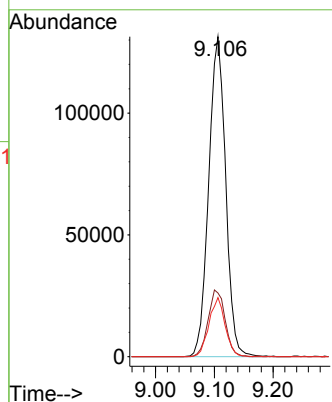
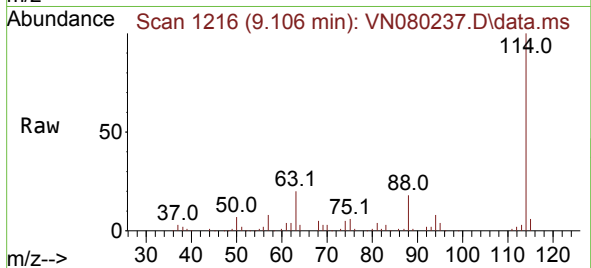
Tgt Ion:114 Resp: 262905

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 18.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.027 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080237.D

Acq: 22 Nov 2023 10:45

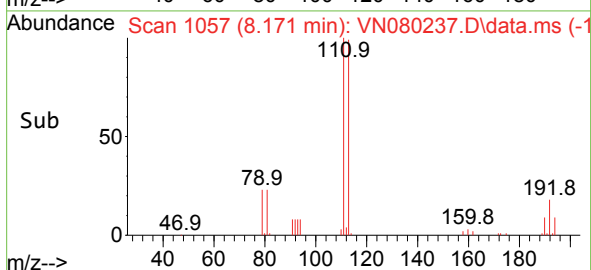
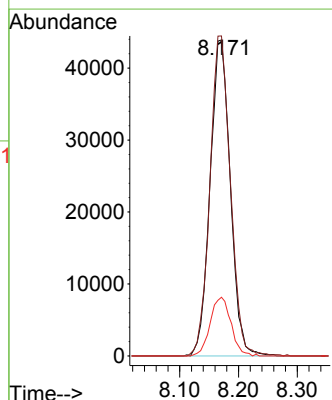
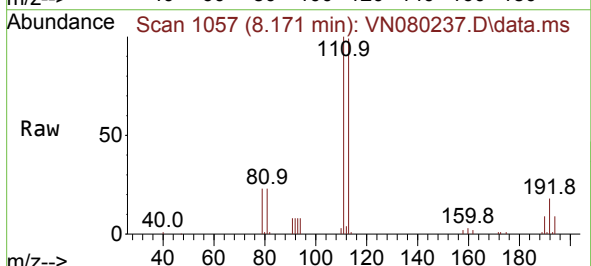
Tgt Ion:113 Resp: 104806

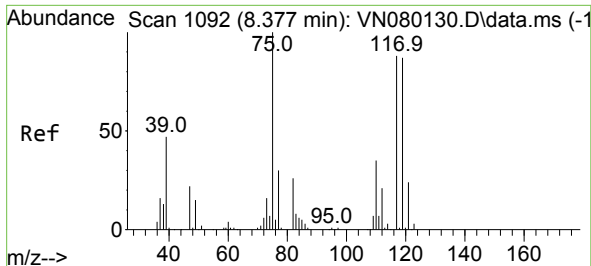
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 19.2 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.188 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN080237.D

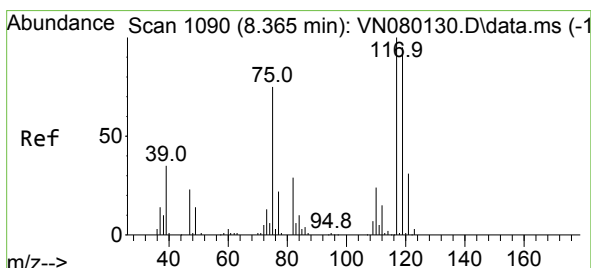
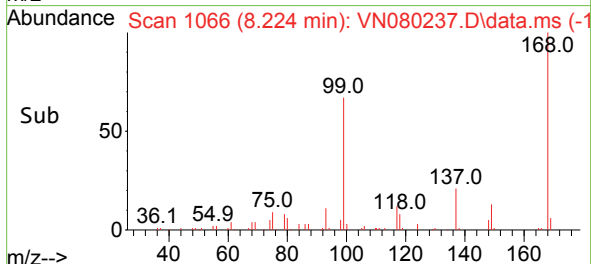
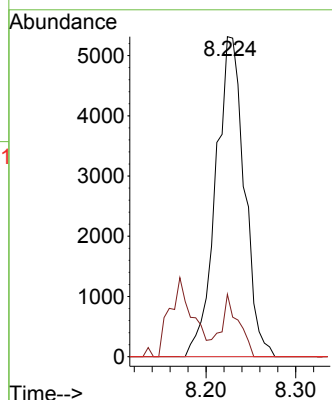
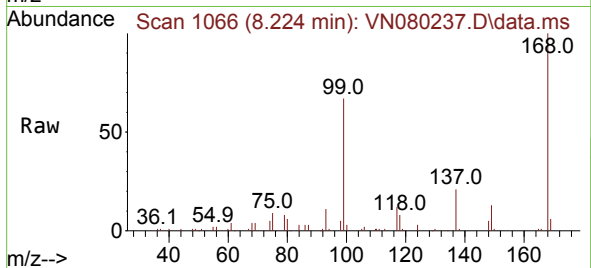
Acq: 22 Nov 2023 10:45

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	11762
Ion Ratio	Lower	Upper	
75	100		
110	11.5	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 4.591 ug/l

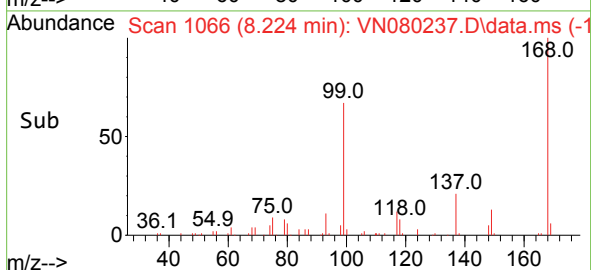
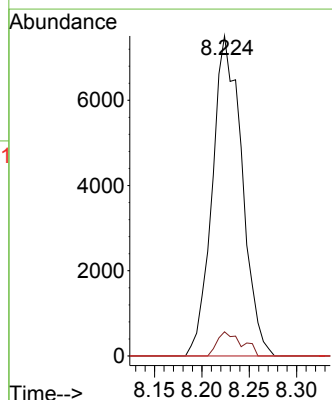
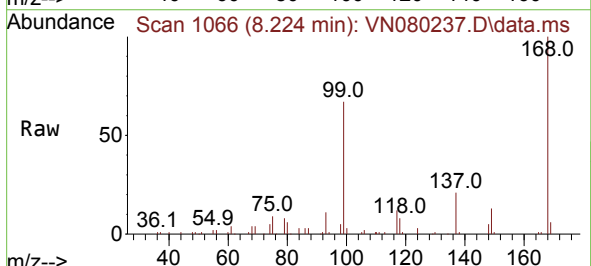
RT: 8.224 min Scan# 1066

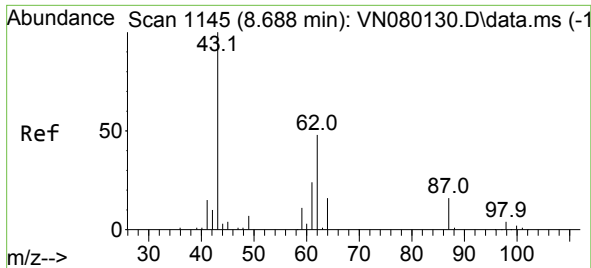
Delta R.T. -0.141 min

Lab File: VN080237.D

Acq: 22 Nov 2023 10:45

Tgt Ion:	117	Resp:	16363
Ion Ratio	Lower	Upper	
117	100		
119	7.5	77.3	115.9#
121	0.0	23.3	34.9#

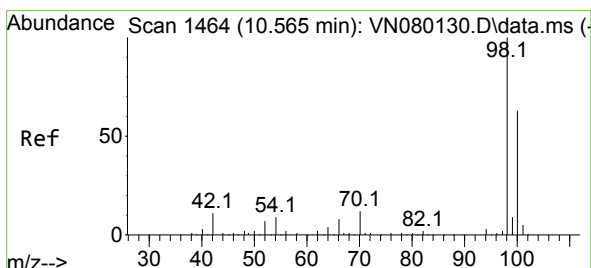
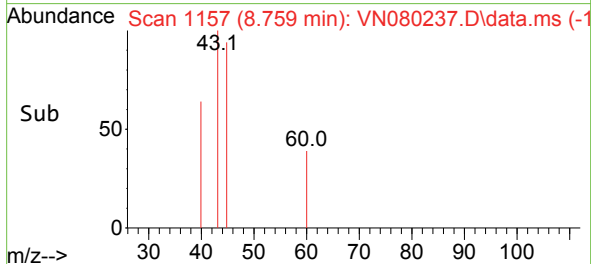
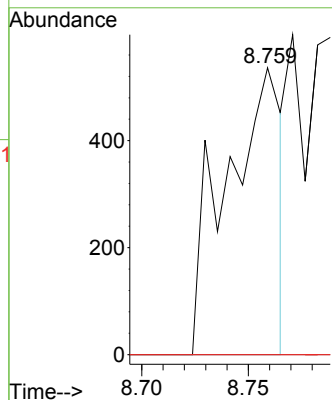
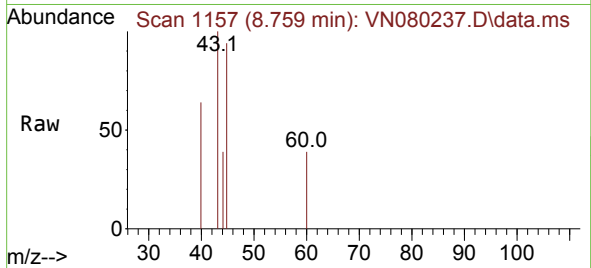




#43
Isopropyl Acetate
Concen: 0.255 ug/l
RT: 8.759 min Scan# 1145
Delta R.T. 0.071 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

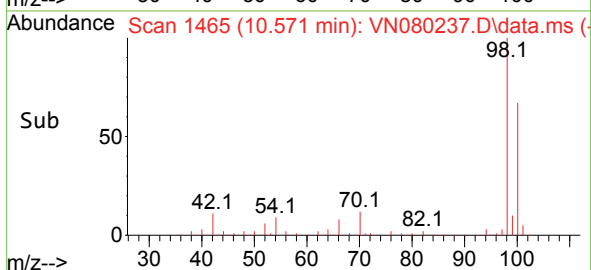
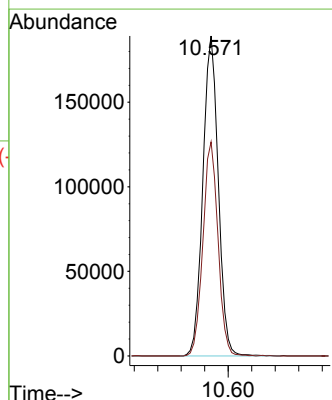
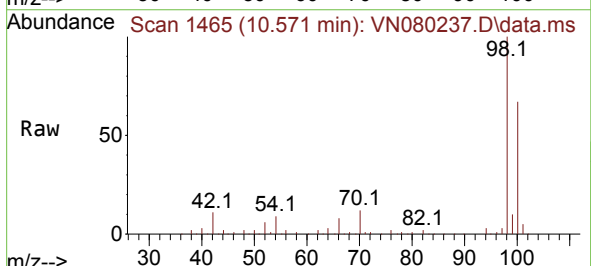
Instrument :
MSVOA_N
ClientSampleId :

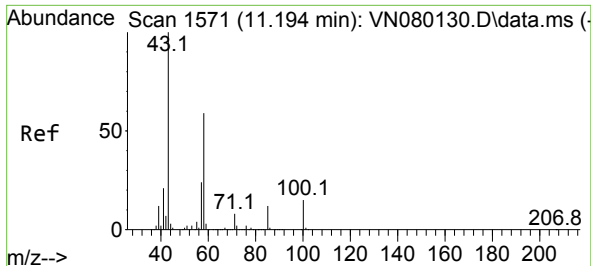
Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.398 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

Tgt Ion: 98 Resp: 345434
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

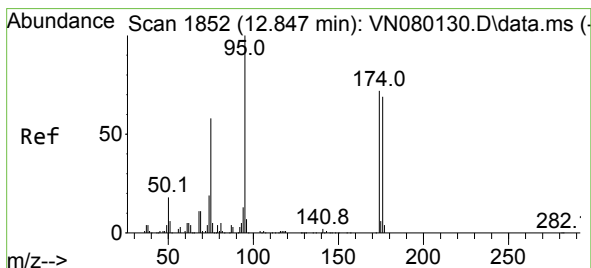
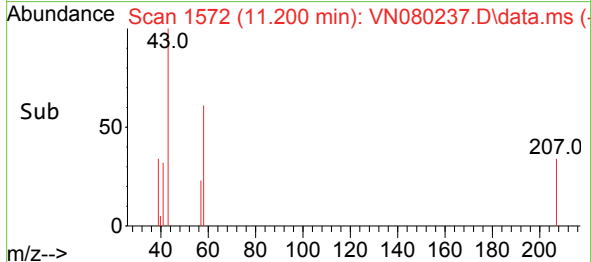
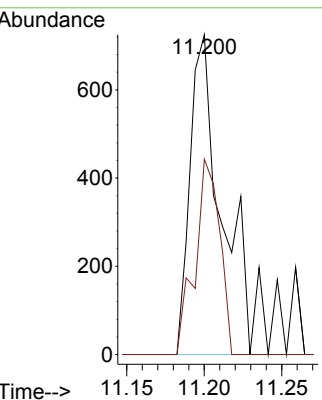
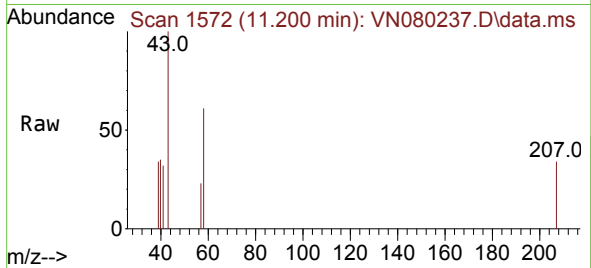




#59
2-Hexanone
Concen: 0.685 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

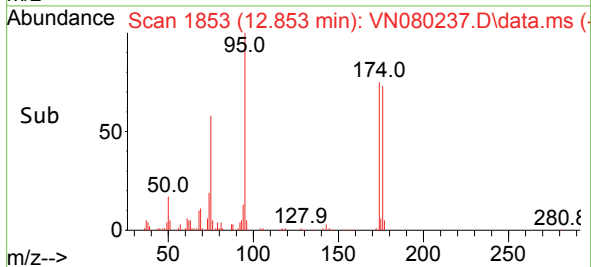
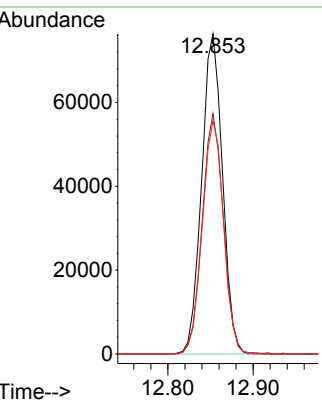
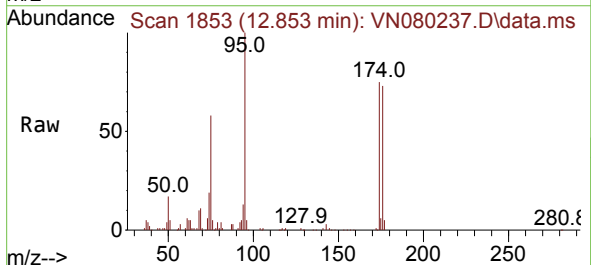
Instrument :
MSVOA_N
ClientSampleId :

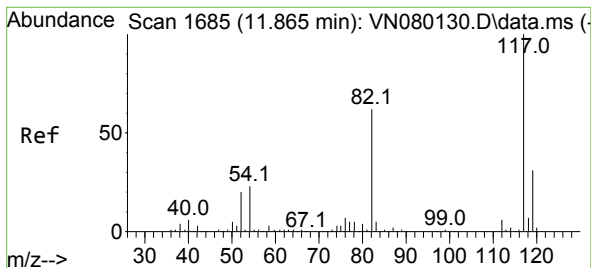
Tgt Ion: 43 Resp: 1080
Ion Ratio Lower Upper
43 100
58 45.3 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 49.109 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

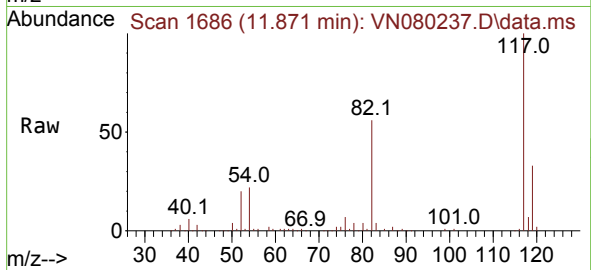
Tgt Ion: 95 Resp: 129713
Ion Ratio Lower Upper
95 100
174 76.3 0.0 143.8
176 74.0 0.0 135.8



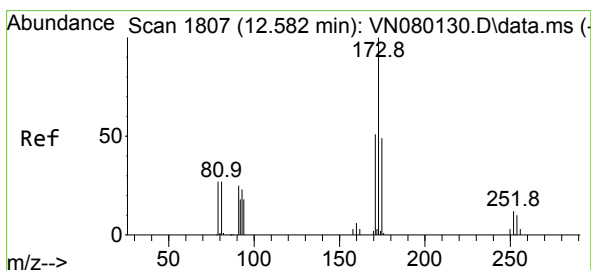
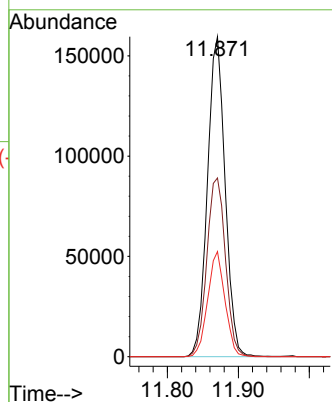
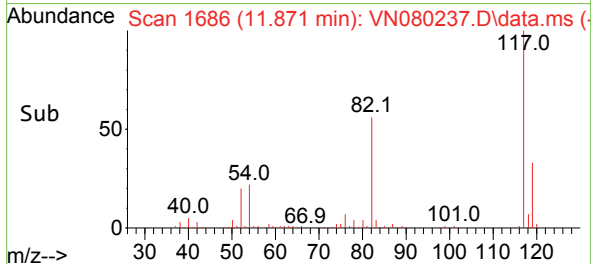


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

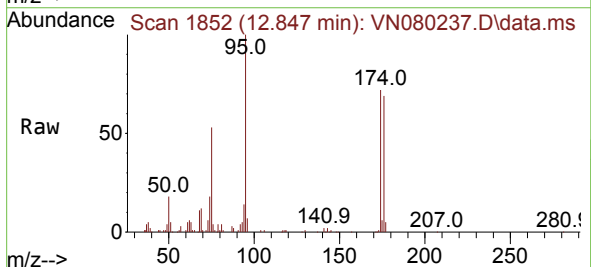
Instrument :
MSVOA_N
ClientSampleId :



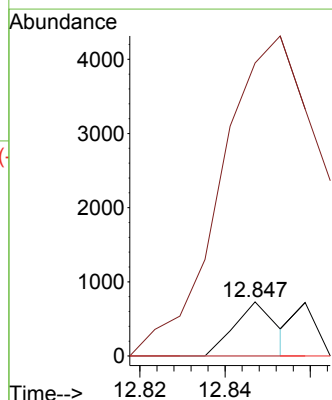
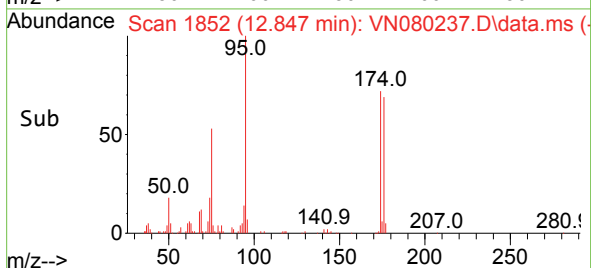
Tgt Ion:117 Resp: 276002
Ion Ratio Lower Upper
117 100
82 55.8 44.0 66.0
119 32.8 25.6 38.4

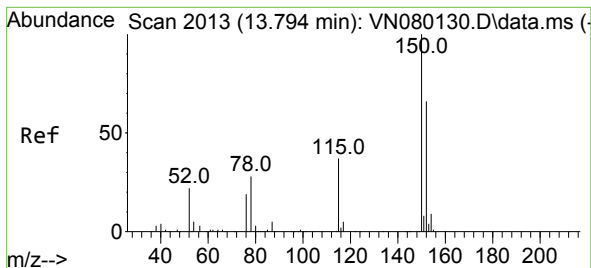


#71
Bromoform
Concen: 0.282 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45



Tgt Ion:173 Resp: 507
Ion Ratio Lower Upper
173 100
175 1175.9 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: VN080237.D

Acq: 22 Nov 2023 10:45

Instrument :

MSVOA_N

ClientSampleId :

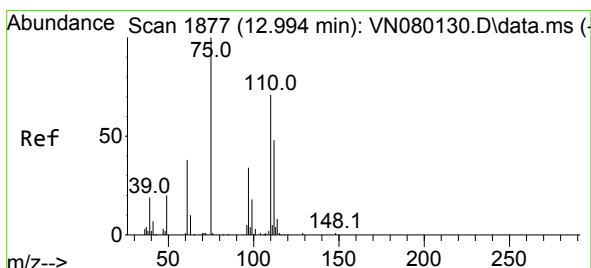
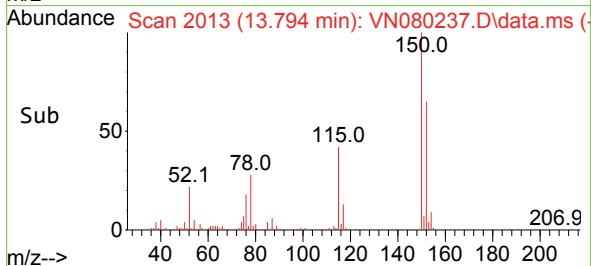
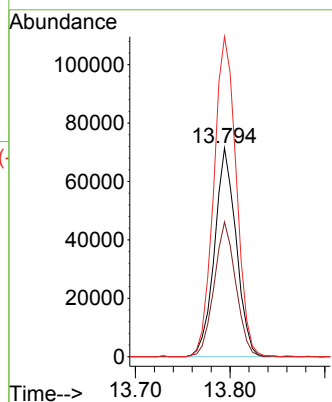
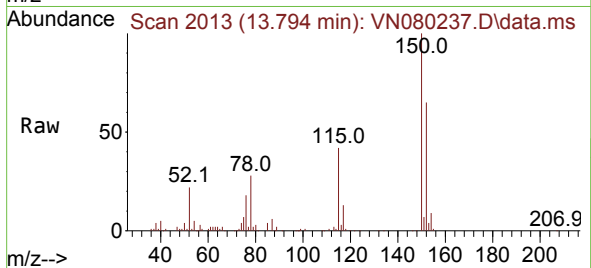
Tgt Ion:152 Resp: 113363

Ion Ratio Lower Upper

152 100

115 64.5 32.3 96.8

150 159.6 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.326 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080237.D

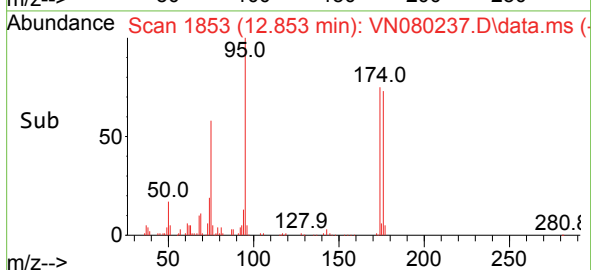
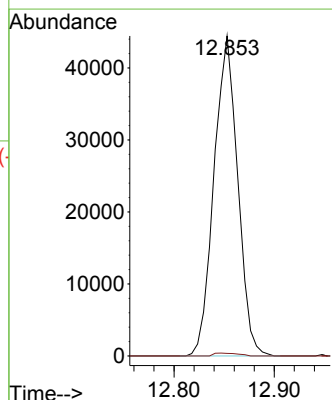
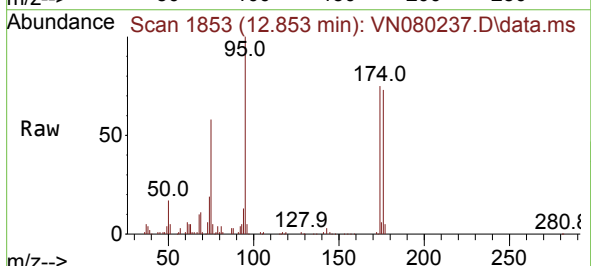
Acq: 22 Nov 2023 10:45

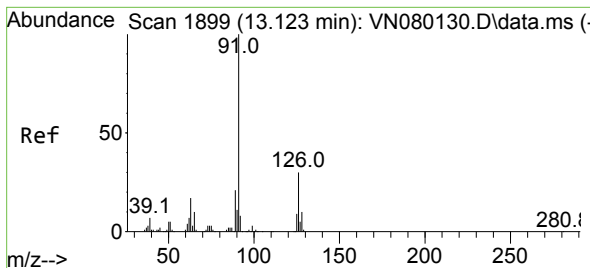
Tgt Ion: 75 Resp: 73123

Ion Ratio Lower Upper

75 100

77 0.9 84.5 253.5#





#79

2-Chlorotoluene

Concen: 0.240 ug/l

RT: 13.223 min Scan# 1916

Delta R.T. 0.100 min

Lab File: VN080237.D

Acq: 22 Nov 2023 10:45

Instrument :

MSVOA_N

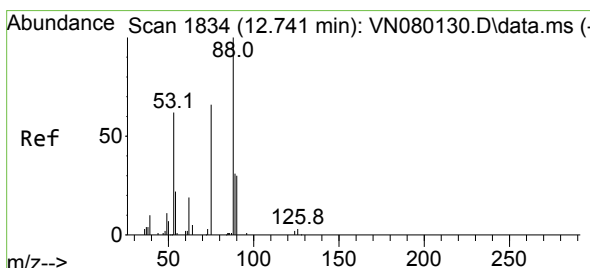
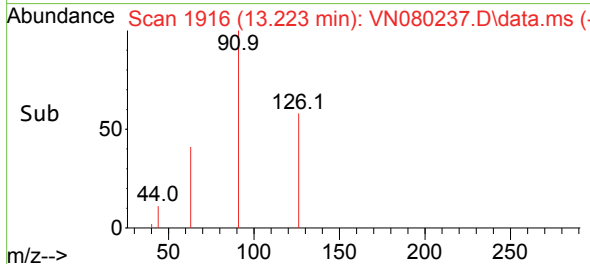
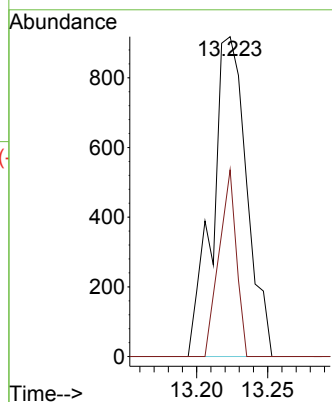
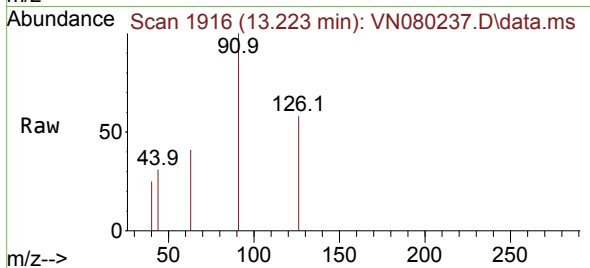
ClientSampleId :

Tgt Ion: 91 Resp: 1536

Ion Ratio Lower Upper

91 100

126 29.6 16.3 48.8



#81

trans-1,4-Dichloro-2-butene

Concen: 88.945 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN080237.D

Acq: 22 Nov 2023 10:45

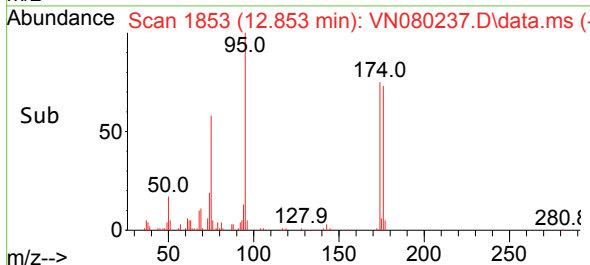
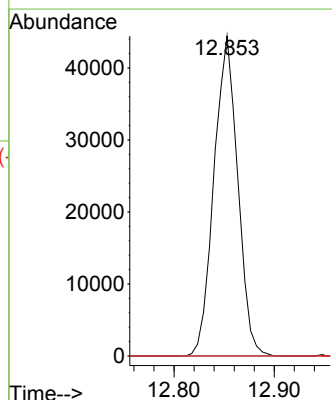
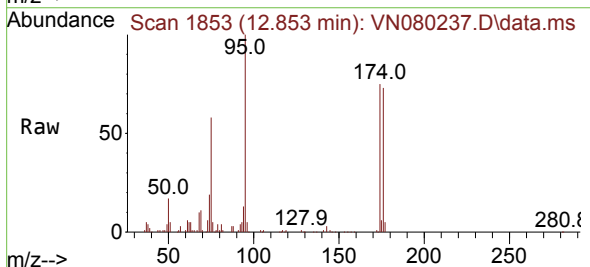
Tgt Ion: 75 Resp: 73123

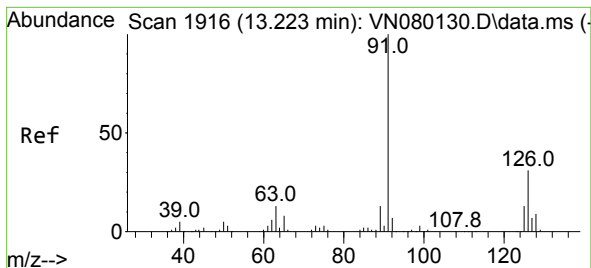
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

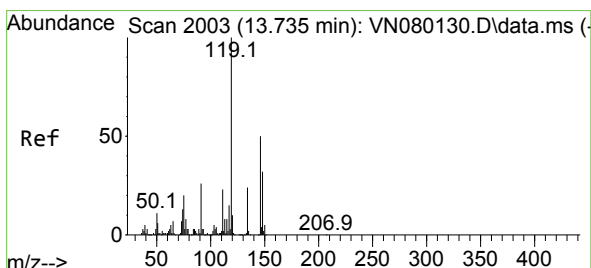
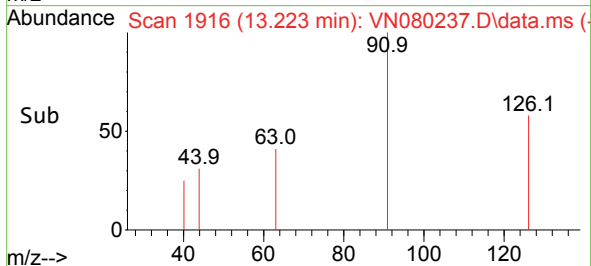
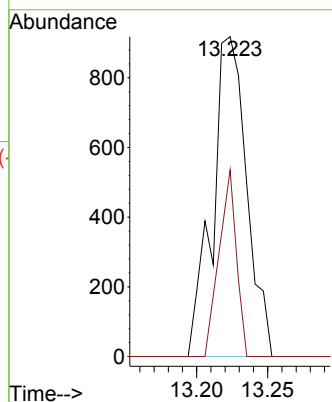
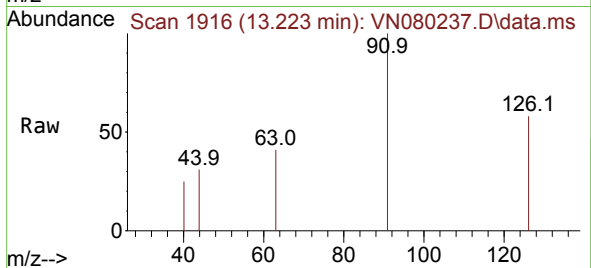




#82
4-Chlorotoluene
Concen: 0.234 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

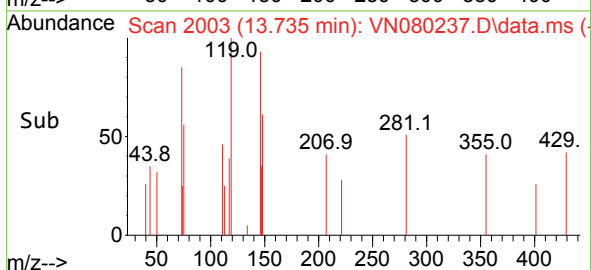
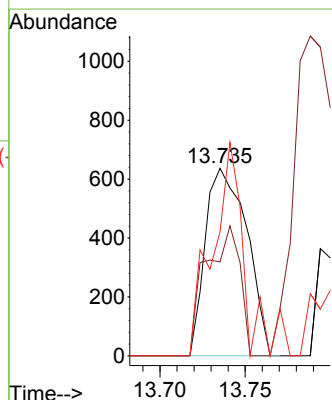
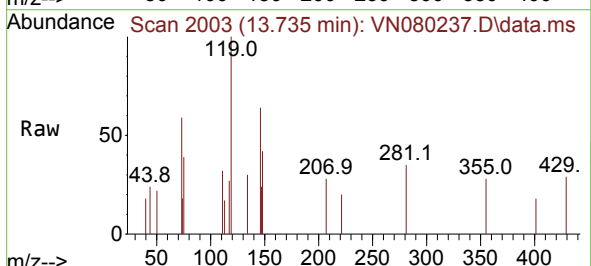
Instrument :
MSVOA_N
ClientSampleId :

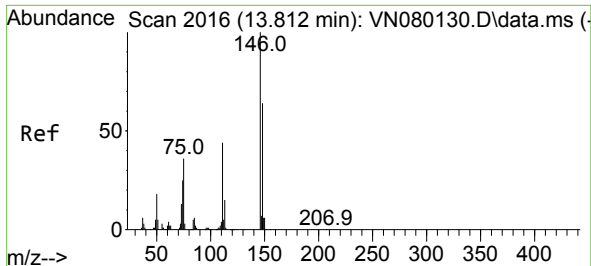
Tgt Ion: 91 Resp: 1536
Ion Ratio Lower Upper
91 100
126 29.6 16.7 50.0



#87
1,3-Dichlorobenzene
Concen: 0.270 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

Tgt Ion:146 Resp: 1080
Ion Ratio Lower Upper
146 100
111 56.2 22.1 66.3
148 87.1 32.0 96.0

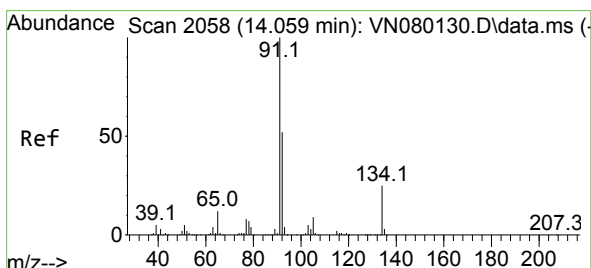
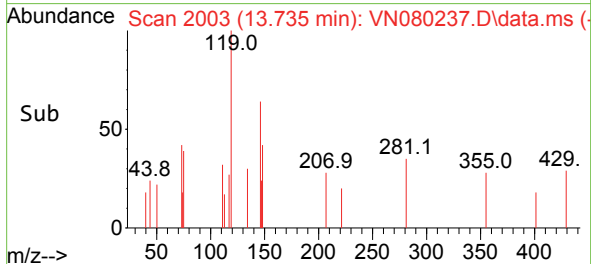
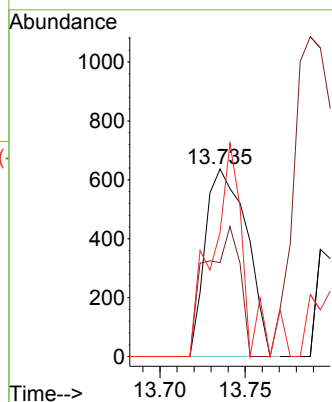
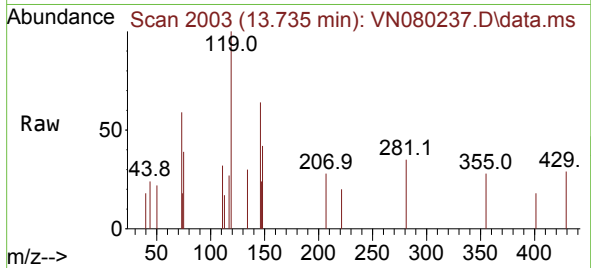




#88
1,4-Dichlorobenzene
Concen: 0.269 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.076 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

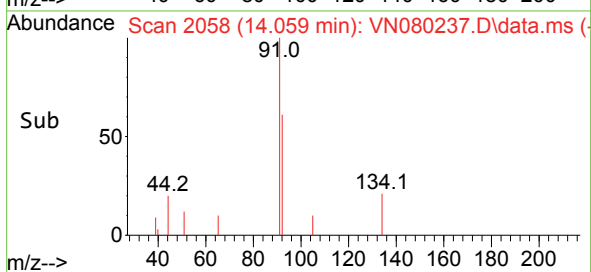
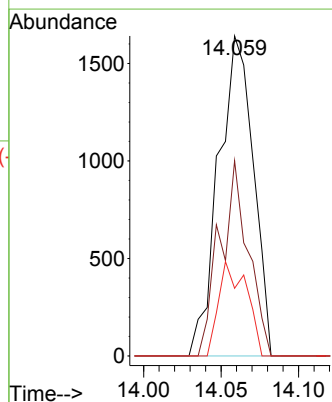
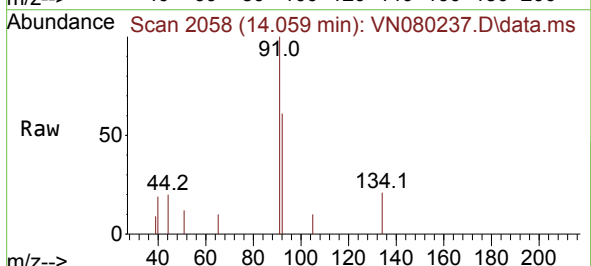
Instrument :
MSVOA_N
ClientSampleId :

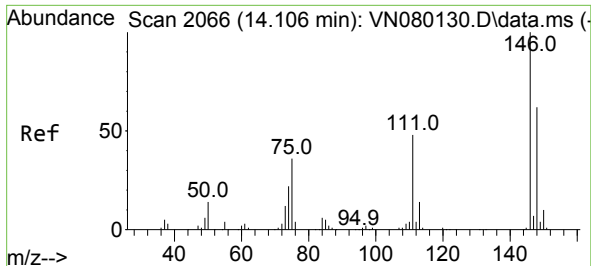
Tgt Ion:146 Resp: 1080
Ion Ratio Lower Upper
146 100
111 56.2 20.6 61.8
148 87.1 31.6 94.8



#89
n-Butylbenzene
Concen: 0.440 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

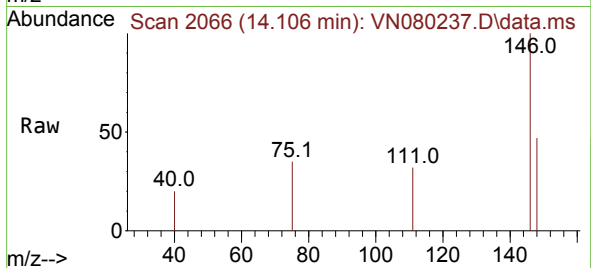
Tgt Ion: 91 Resp: 2559
Ion Ratio Lower Upper
91 100
92 49.8 26.4 79.0
134 23.5 12.6 37.6



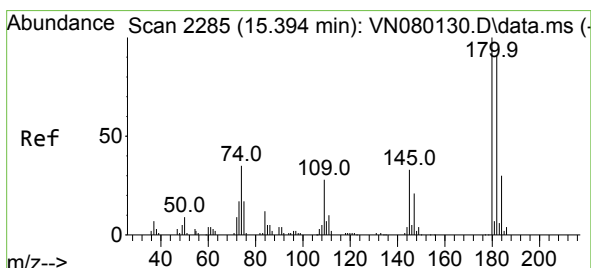
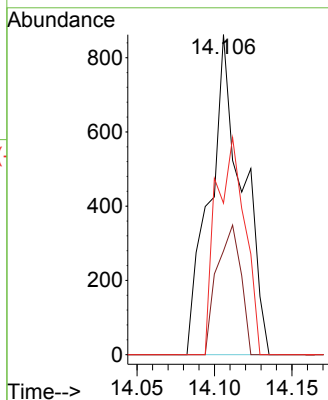
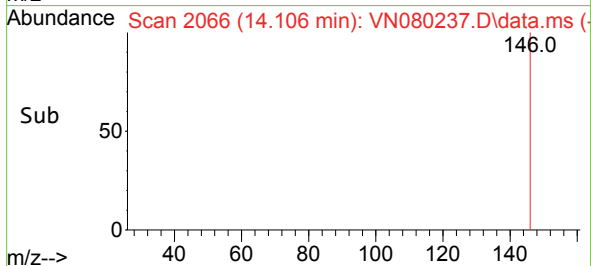


#91
1,2-Dichlorobenzene
Concen: 0.330 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

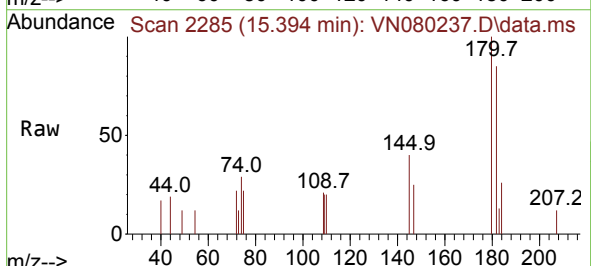
Instrument :
MSVOA_N
ClientSampleId :



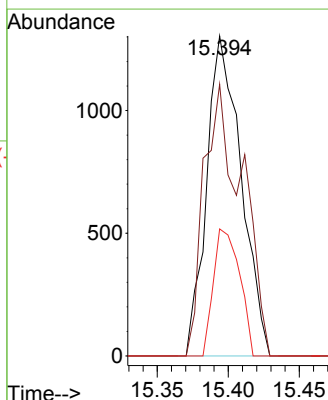
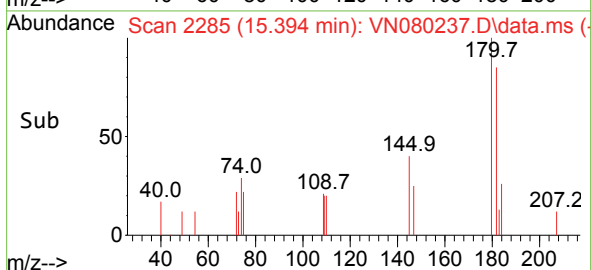
Tgt Ion:146 Resp: 1263
Ion Ratio Lower Upper
146 100
111 29.5 22.0 66.0
148 59.6 31.8 95.3

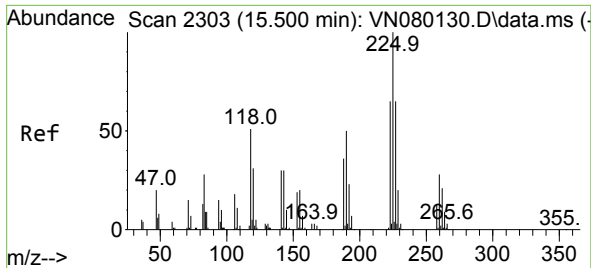


#93
1,2,4-Trichlorobenzene
Concen: 0.988 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45



Tgt Ion:180 Resp: 2200
Ion Ratio Lower Upper
180 100
182 94.4 46.1 138.2
145 30.1 16.6 49.8

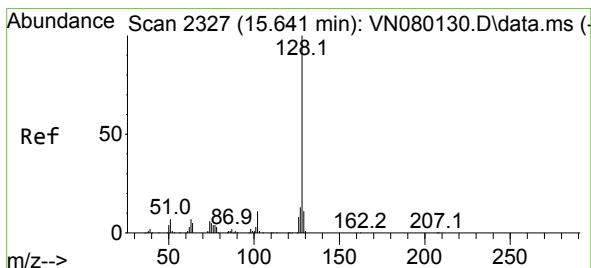
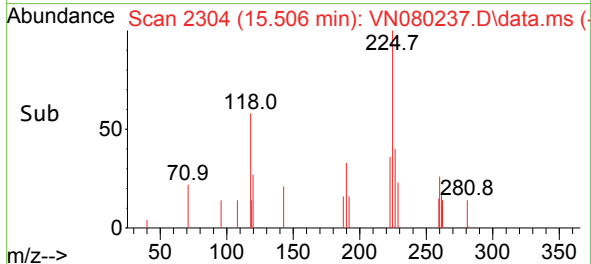
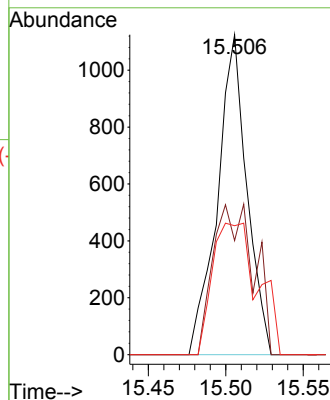
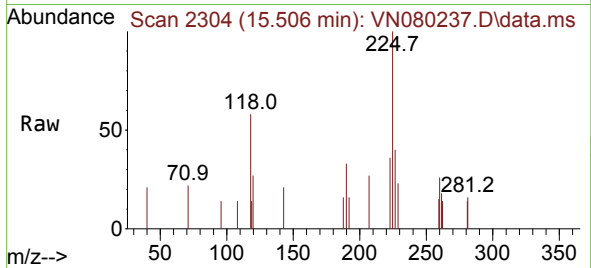




#94
Hexachlorobutadiene
Concen: 1.160 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

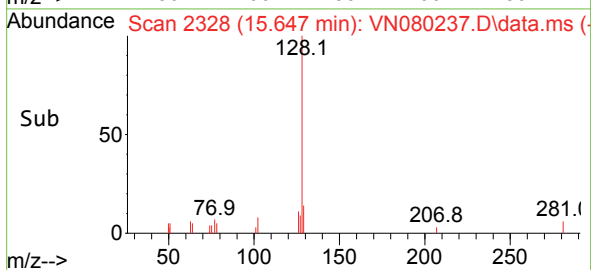
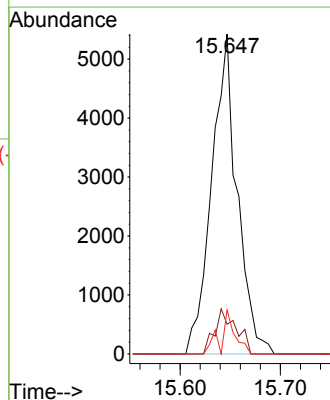
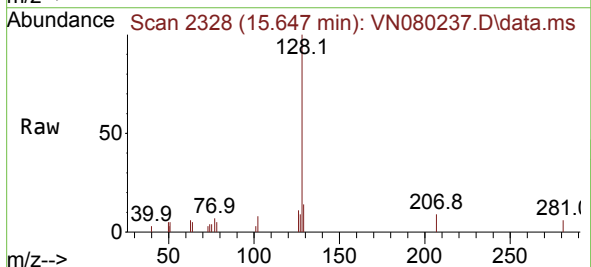
Instrument :
MSVOA_N
ClientSampleId :

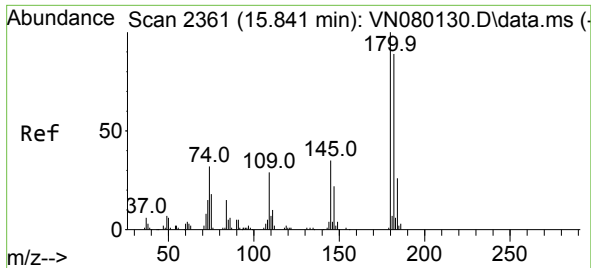
Tgt Ion:225 Resp: 1487
Ion Ratio Lower Upper
225 100
223 64.3 31.3 93.8
227 62.9 31.9 95.9



#95
Naphthalene
Concen: 1.487 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080237.D
Acq: 22 Nov 2023 10:45

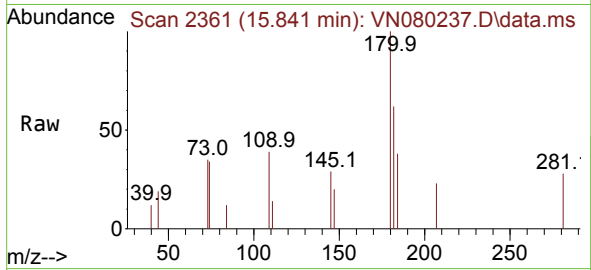
Tgt Ion:128 Resp: 9601
Ion Ratio Lower Upper
128 100
127 11.8 10.0 15.0
129 7.6 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.392 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080237.D
 Acq: 22 Nov 2023 10:45

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2905
Ion	Ratio	Lower	Upper
180	100		
182	87.7	46.2	138.6
145	28.5	17.5	52.6

