

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112123\
 Data File : VN080227.D
 Acq On : 21 Nov 2023 13:08
 Operator : JC\MD
 Sample : VN1121WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 00:04:45 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)

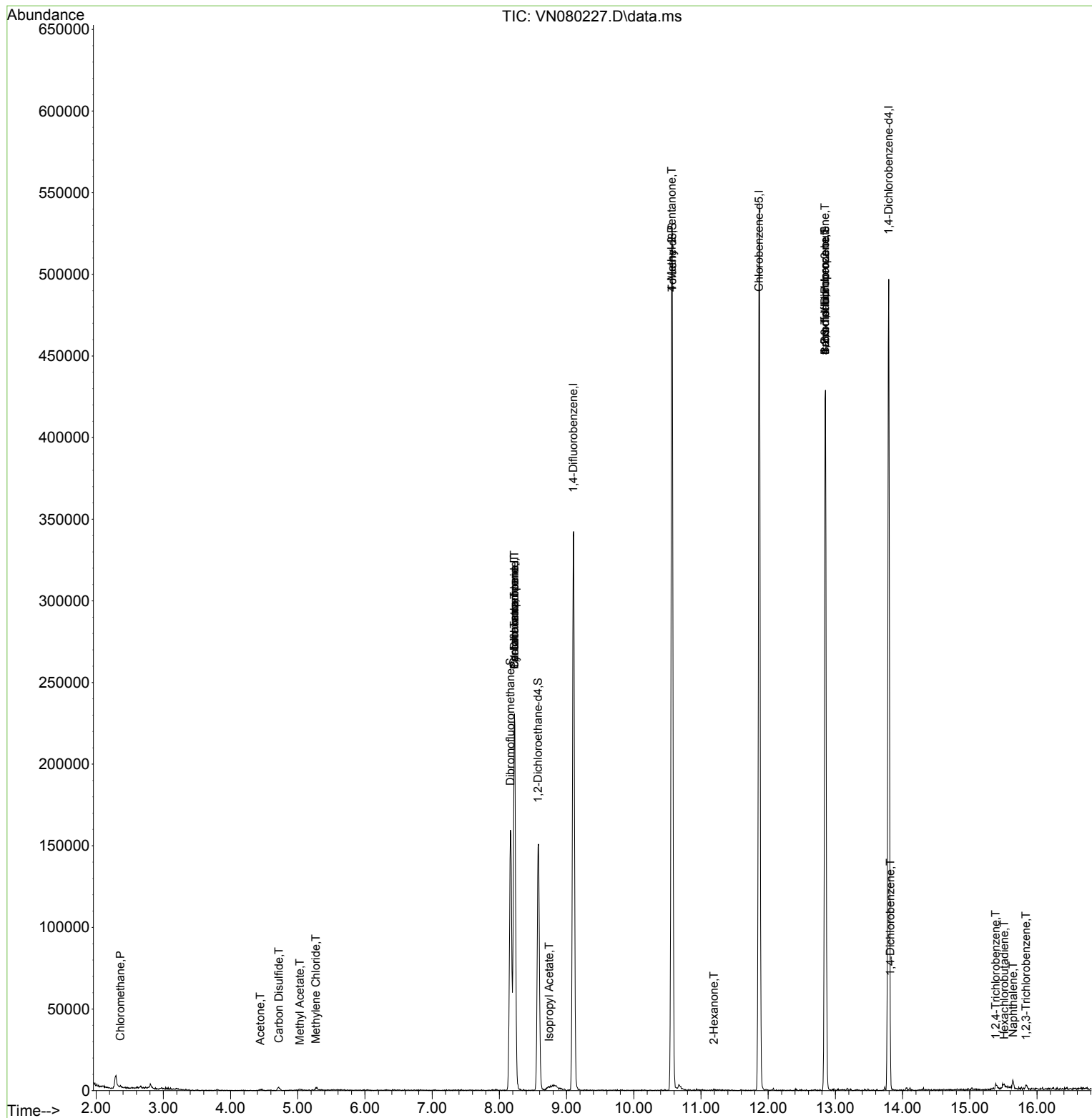
Internal Standards						
1) Pentafluorobenzene	8.224	168	155436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145637	56.746	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.500%
35) Dibromofluoromethane	8.165	113	110792	52.681	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.360%
50) Toluene-d8	10.571	98	372538	49.140	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.280%
62) 4-Bromofluorobenzene	12.847	95	145788	50.912	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.820%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	908	0.522	ug/l	97
6) Chloroethane	3.130	64	327	Below Cal	#	43
16) Acetone	4.442	43	1551	1.799	ug/l	91
17) Carbon Disulfide	4.718	76	1329	0.271	ug/l #	75
18) Methyl Acetate	5.030	43	728	0.263	ug/l #	72
20) Methylene Chloride	5.271	84	803	0.445	ug/l #	72
31) Cyclohexane	8.224	56	4007	1.436	ug/l #	37
36) 1,1-Dichloropropene	8.224	75	12957	4.255	ug/l #	51
38) Carbon Tetrachloride	8.224	117	18743	4.851	ug/l #	17
43) Isopropyl Acetate	8.741	43	1935	0.471	ug/l #	49
51) 4-Methyl-2-Pentanone	10.565	43	1768	0.831	ug/l #	1
59) 2-Hexanone	11.194	43	537	0.314	ug/l #	19
71) Bromoform	12.847	173	582	0.297	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	85851	26.461	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85851	89.399	ug/l #	15
88) 1,4-Dichlorobenzene	13.817	146	974	0.207	ug/l #	62
93) 1,2,4-Trichlorobenzene	15.388	180	1209	0.465	ug/l	89
94) Hexachlorobutadiene	15.511	225	866	0.578	ug/l	74
95) Naphthalene	15.647	128	4807	0.637	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.835	180	1109	0.455	ug/l	81

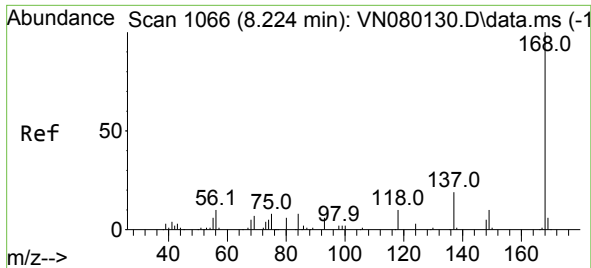
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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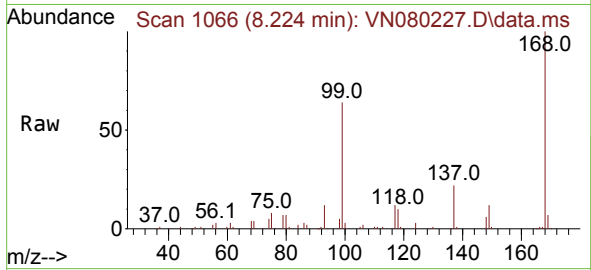
Quant Time: Nov 22 00:04:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
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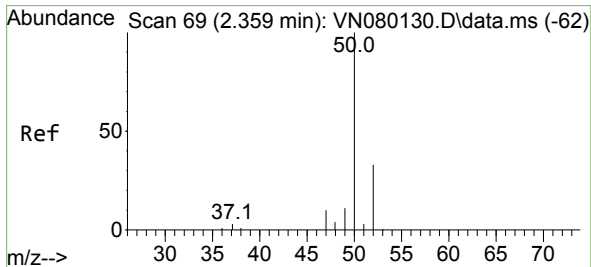
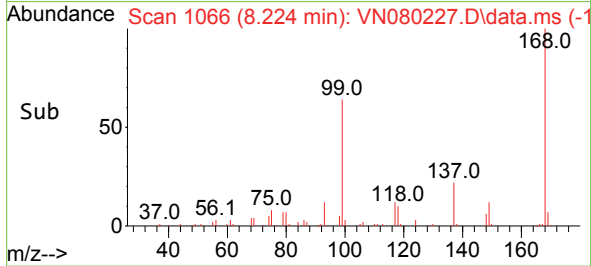
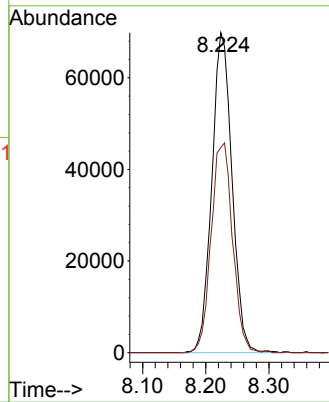


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :

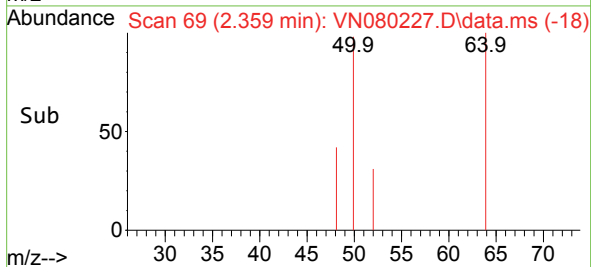
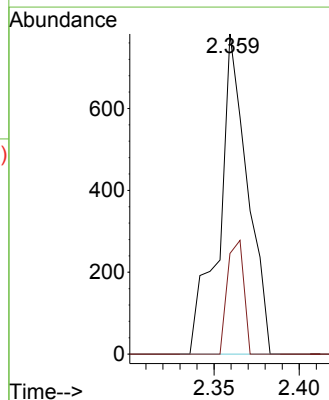
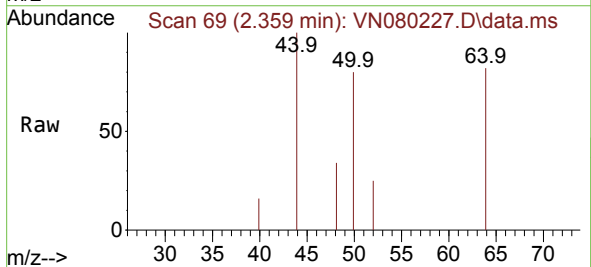


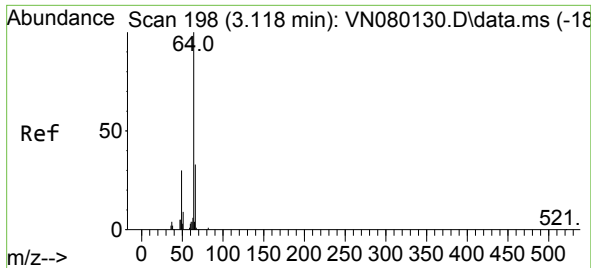
Tgt Ion:168 Resp: 155436
Ion Ratio Lower Upper
168 100
99 64.1 53.0 79.6



#3
Chloromethane
Concen: 0.522 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

Tgt Ion: 50 Resp: 908
Ion Ratio Lower Upper
50 100
52 31.5 26.5 39.7

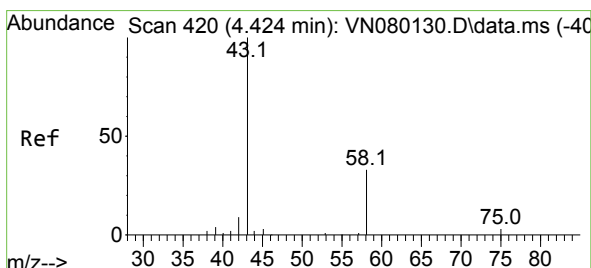
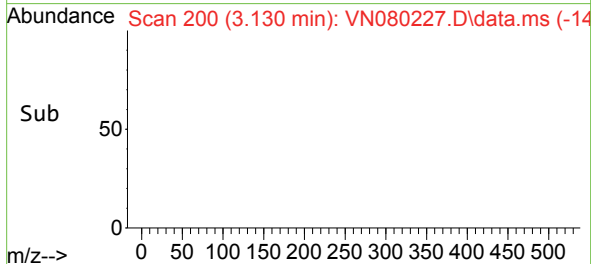
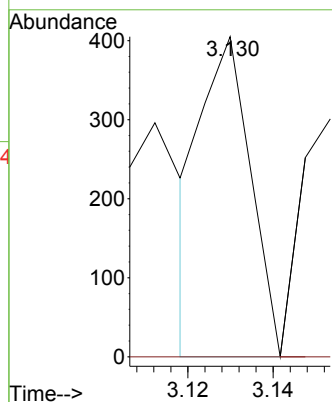
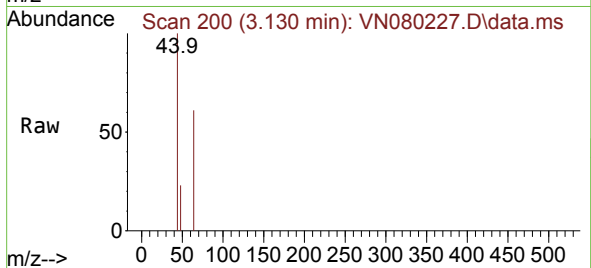




#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

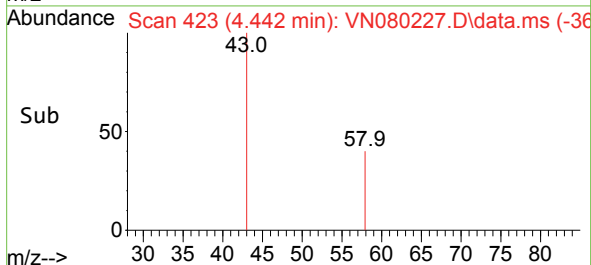
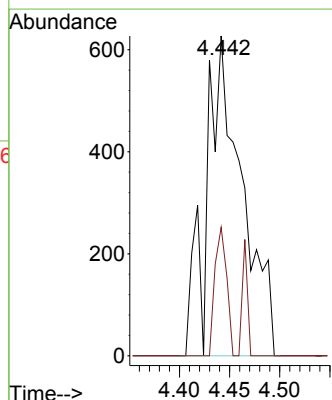
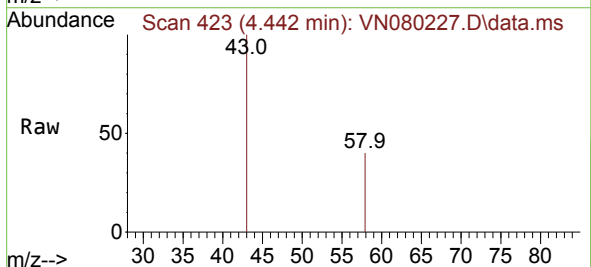
Instrument :
MSVOA_N
ClientSampleId :

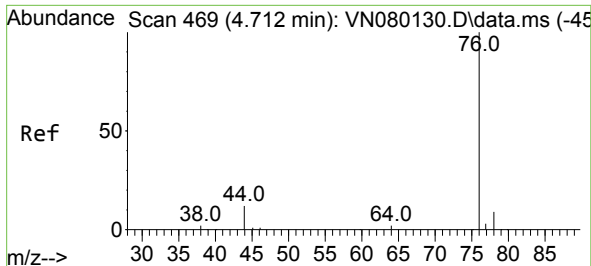
Tgt Ion: 64 Resp: 327
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 1.799 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

Tgt Ion: 43 Resp: 1551
Ion Ratio Lower Upper
43 100
58 40.2 28.0 42.0

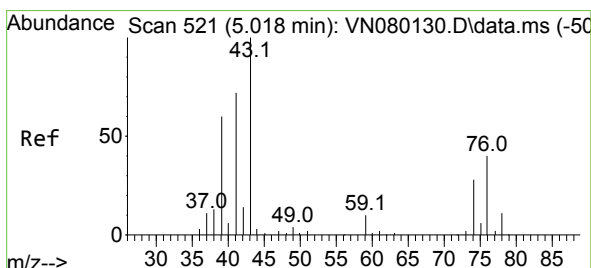
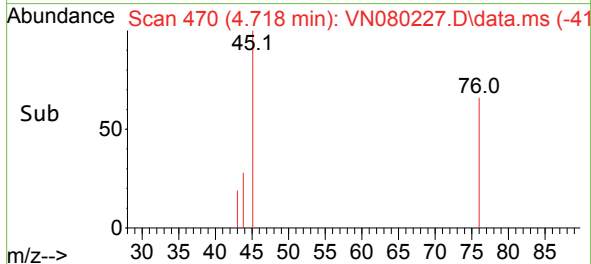
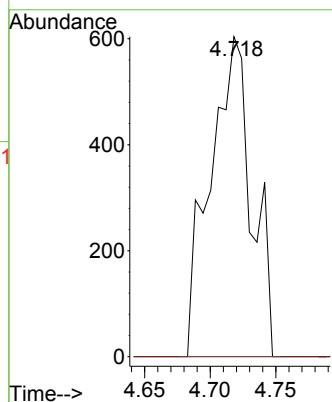
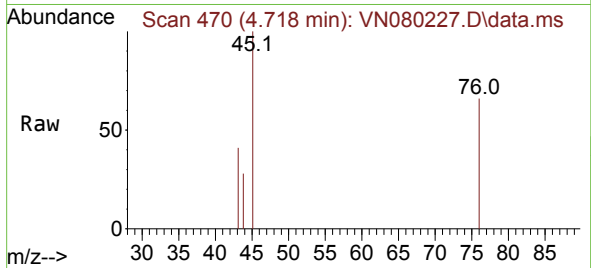




#17
Carbon Disulfide
Concen: 0.271 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

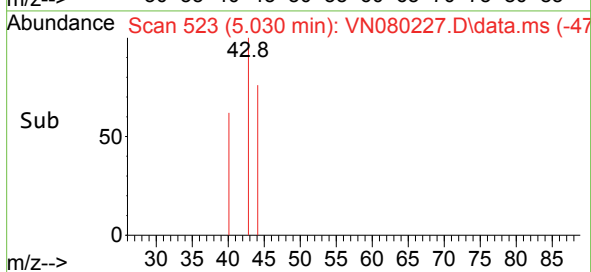
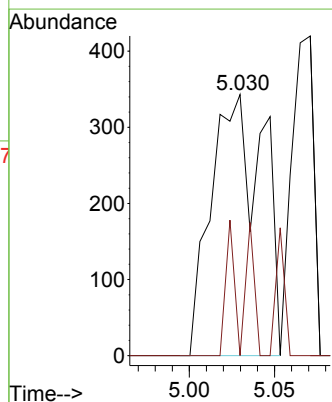
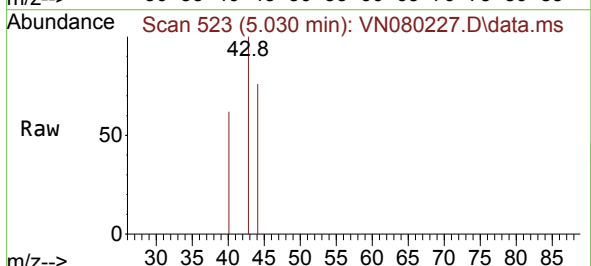
Instrument :
MSVOA_N
ClientSampleId :

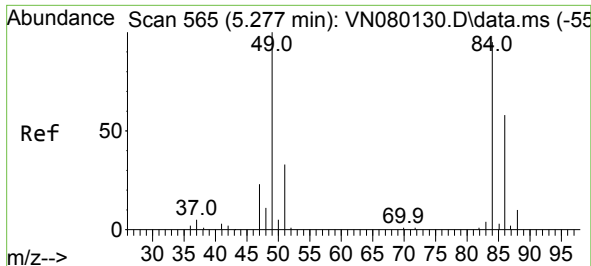
Tgt Ion: 76 Resp: 1329
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.263 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

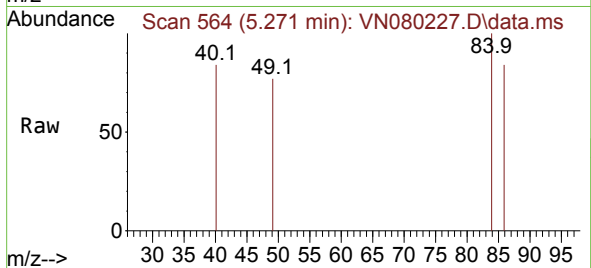
Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
74 17.2 26.2 39.4#



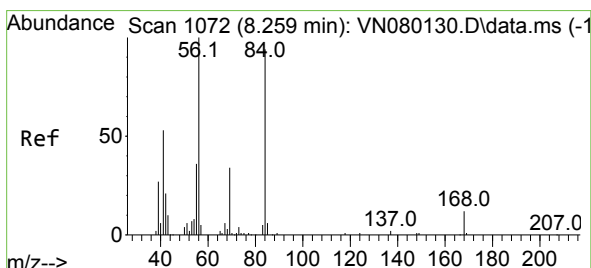
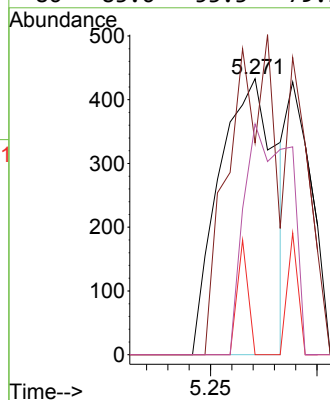
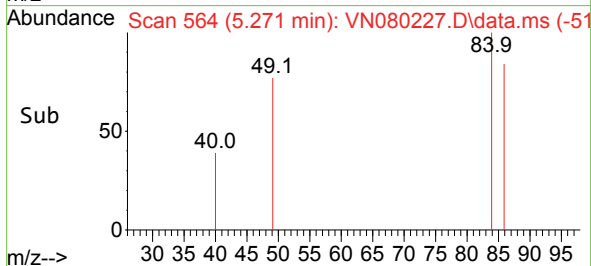


#20
Methylene Chloride
Concen: 0.445 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

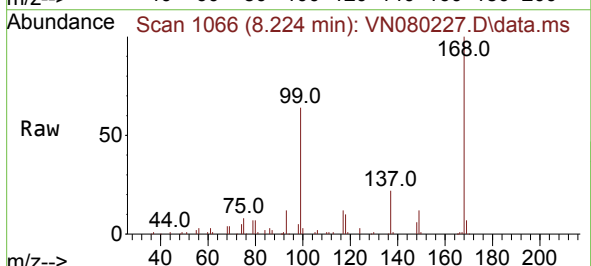
Instrument :
MSVOA_N
ClientSampleId :



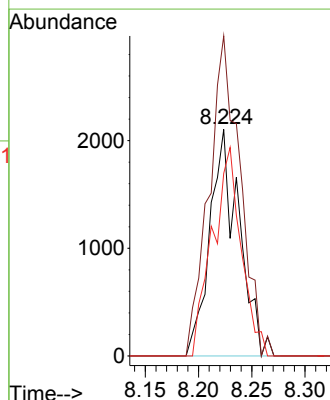
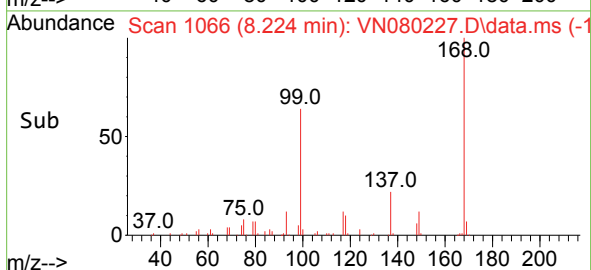
Tgt Ion: 84	Resp: 803
Ion Ratio	Lower Upper
84 100	
49 76.7	79.7 119.5#
51 0.0	25.2 37.8#
86 83.6	53.3 79.9#

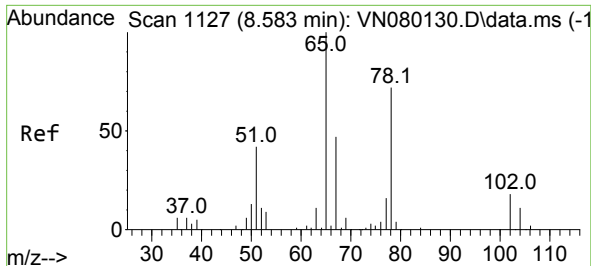


#31
Cyclohexane
Concen: 1.436 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08



Tgt Ion: 56	Resp: 4007		
Ion Ratio	Lower	Upper	
56	100		
69	141.2	26.8	40.2#
84	80.5	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 56.746 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080227.D

Acq: 21 Nov 2023 13:08

Instrument :

MSVOA_N

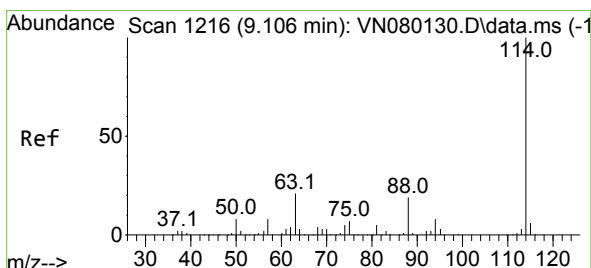
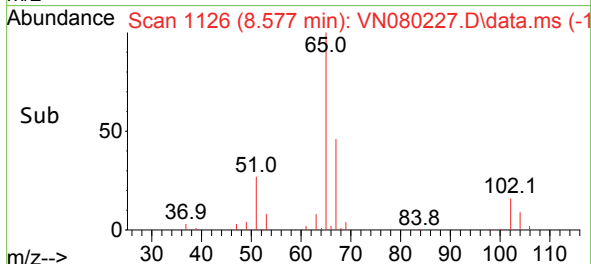
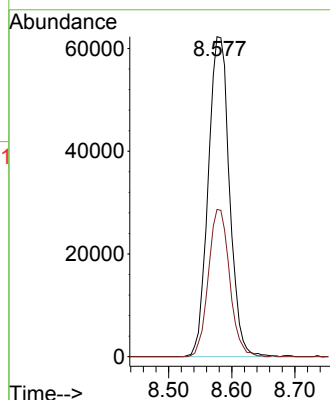
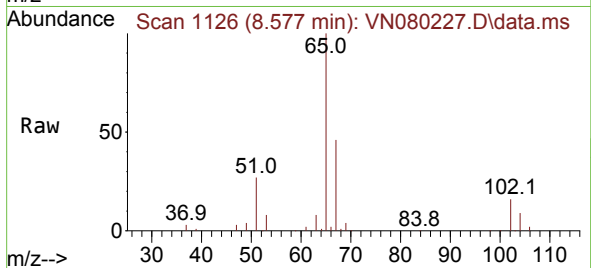
ClientSampleId :

Tgt Ion: 65 Resp: 145637

Ion Ratio Lower Upper

65 100

67 45.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080227.D

Acq: 21 Nov 2023 13:08

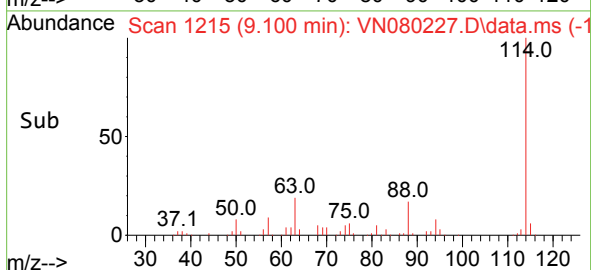
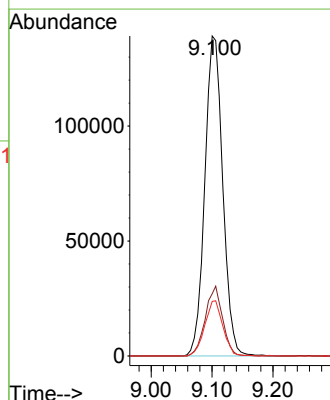
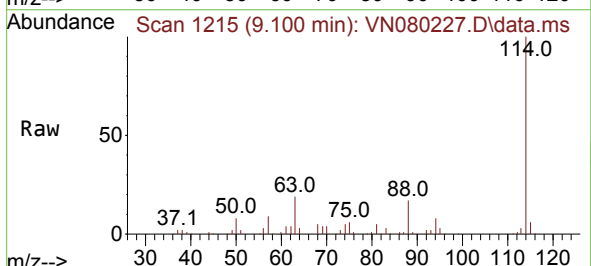
Tgt Ion: 114 Resp: 285021

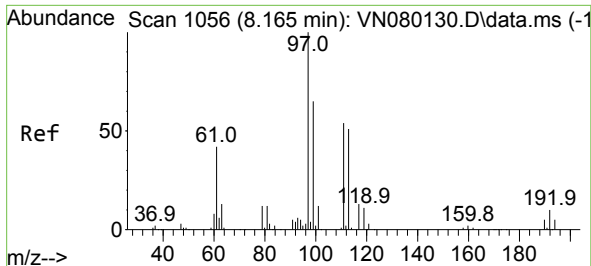
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

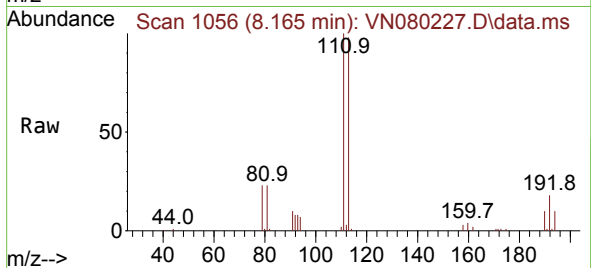
88 17.0 0.0 30.6



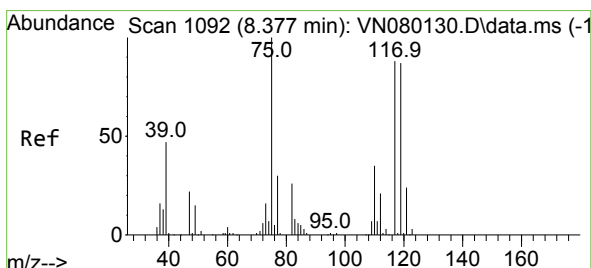
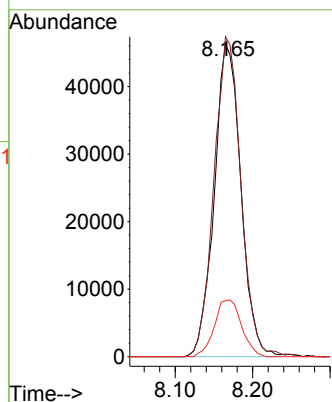
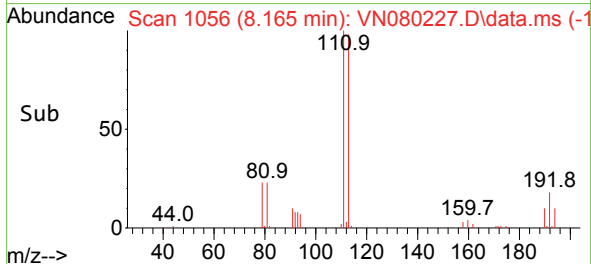


#35
Dibromofluoromethane
Concen: 52.681 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

Instrument :
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ClientSampleId :

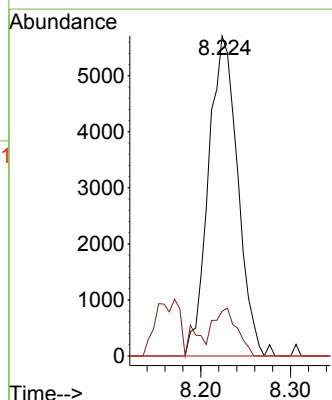
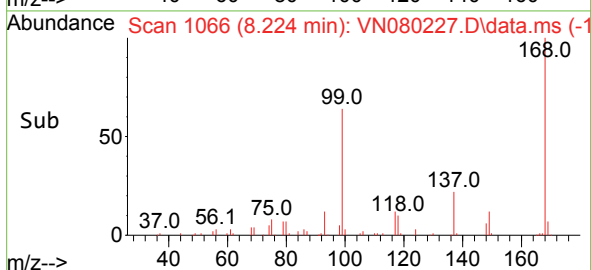
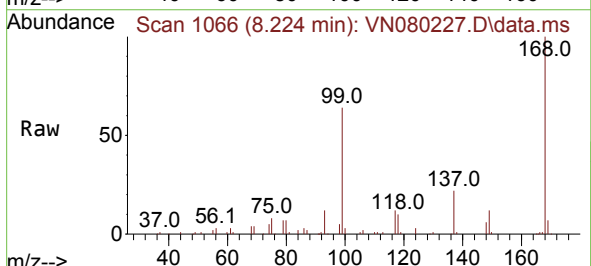


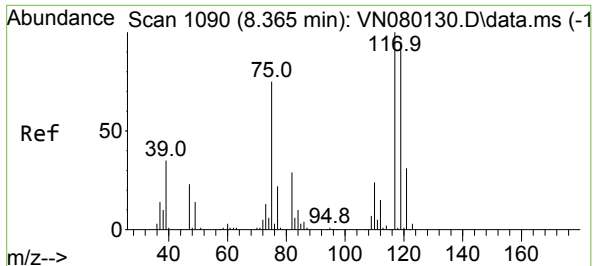
Tgt Ion:113 Resp: 110792
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 18.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.255 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

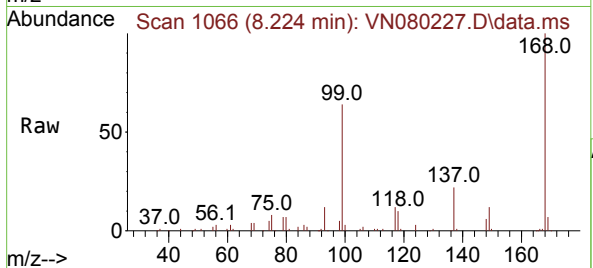
Tgt Ion: 75 Resp: 12957
Ion Ratio Lower Upper
75 100
110 12.1 19.1 57.3#
77 0.0 25.0 37.4#



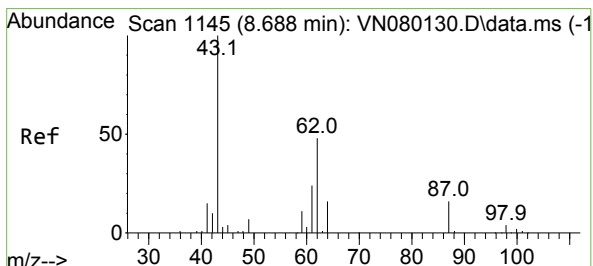
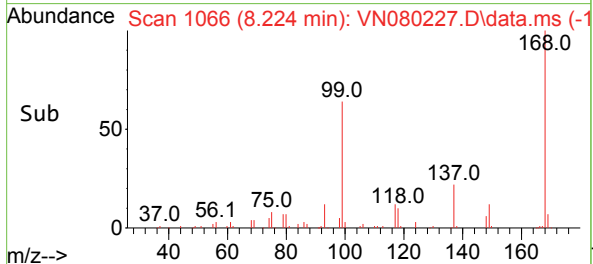
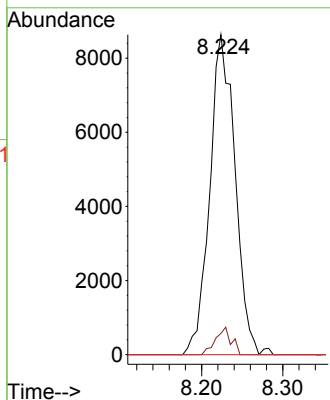


#38
Carbon Tetrachloride
Concen: 4.851 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :

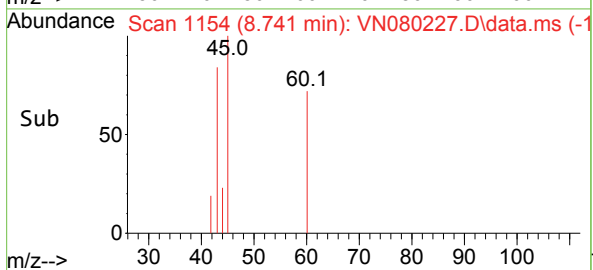
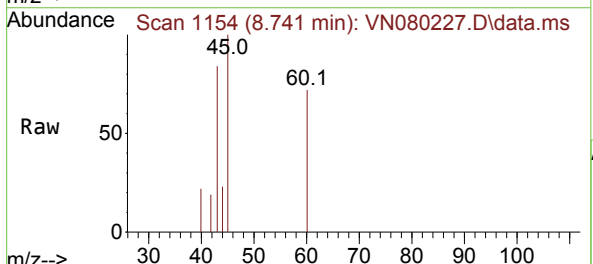
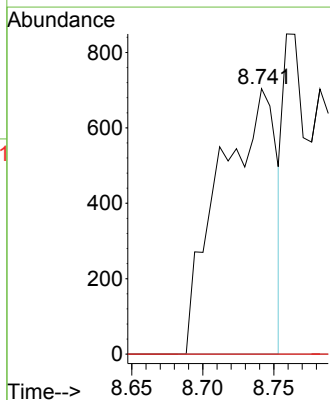


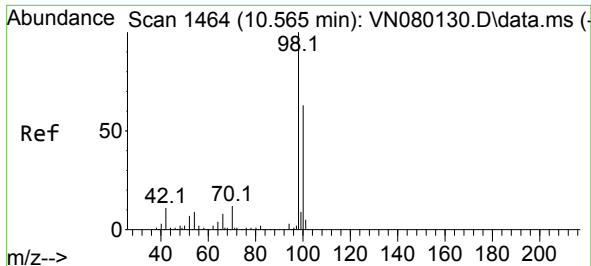
Tgt Ion:117 Resp: 18743
Ion Ratio Lower Upper
117 100
119 6.7 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.471 ug/l
RT: 8.741 min Scan# 1154
Delta R.T. 0.053 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

Tgt Ion: 43 Resp: 1935
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

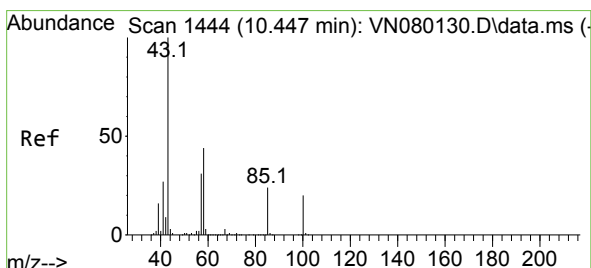
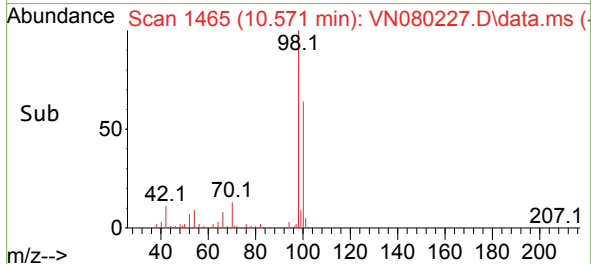
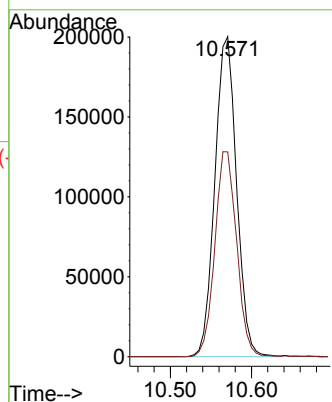
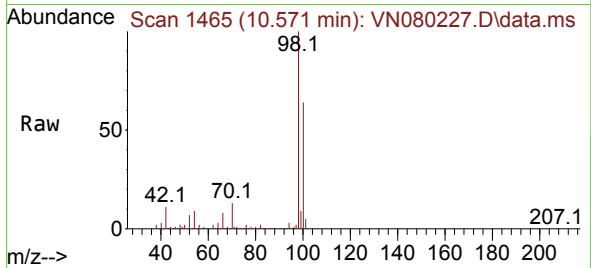




#50
Toluene-d8
Concen: 49.140 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

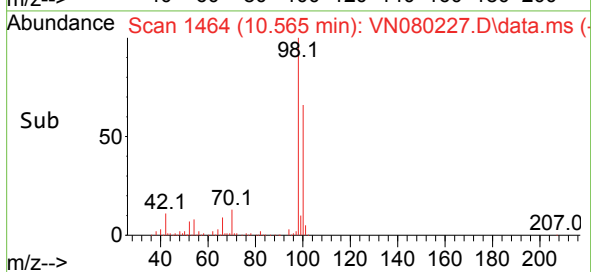
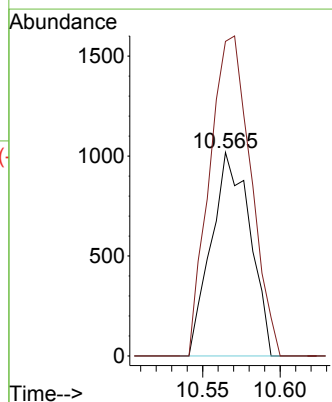
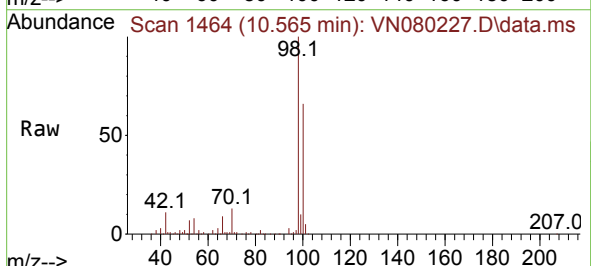
Instrument :
MSVOA_N
ClientSampleId :

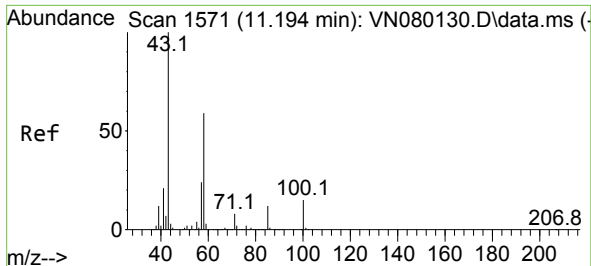
Tgt Ion: 98 Resp: 372538
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.831 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

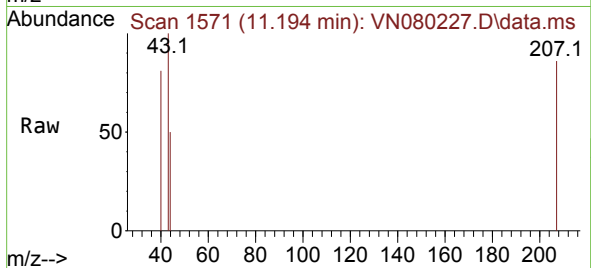
Tgt Ion: 43 Resp: 1768
Ion Ratio Lower Upper
43 100
58 167.4 36.6 54.8#



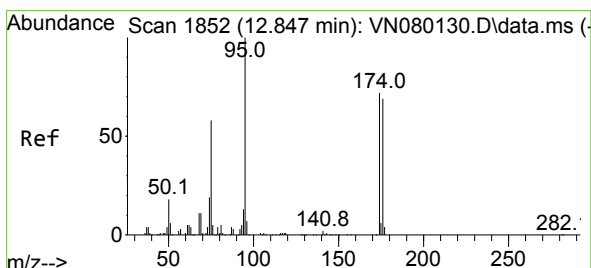
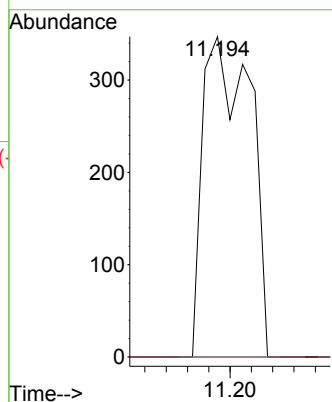
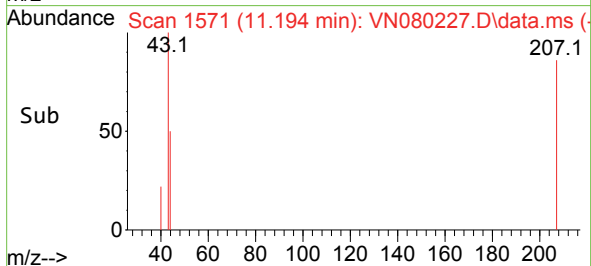


#59
2-Hexanone
Concen: 0.314 ug/l
RT: 11.194 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :

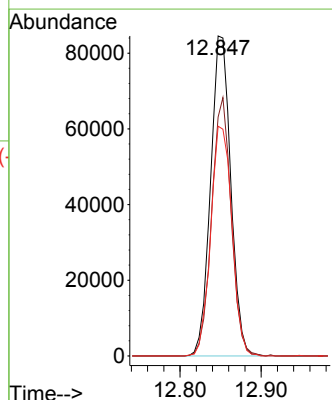
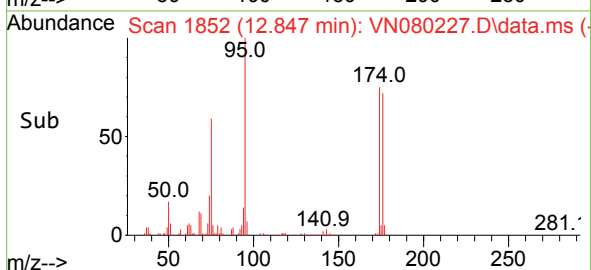
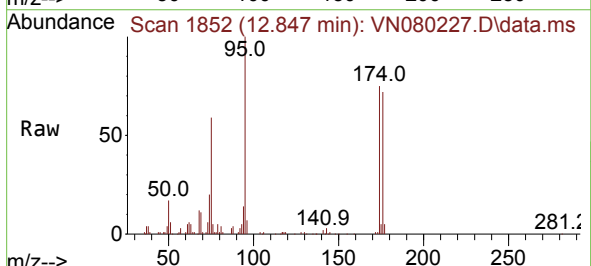


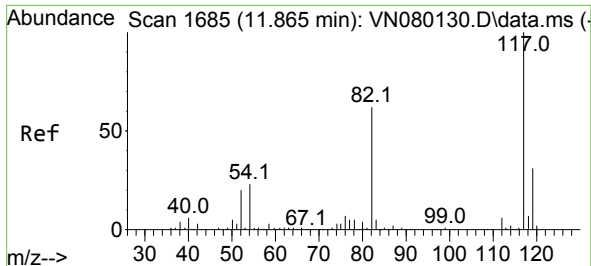
Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 50.912 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

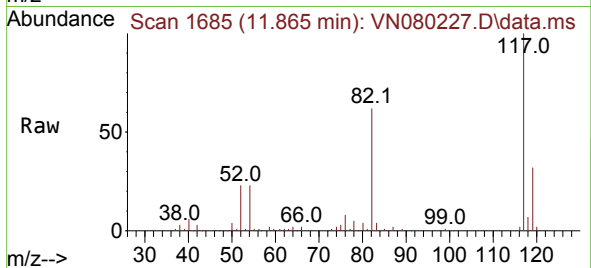
Tgt Ion: 95 Resp: 145788
Ion Ratio Lower Upper
95 100
174 78.3 0.0 143.8
176 75.4 0.0 135.8



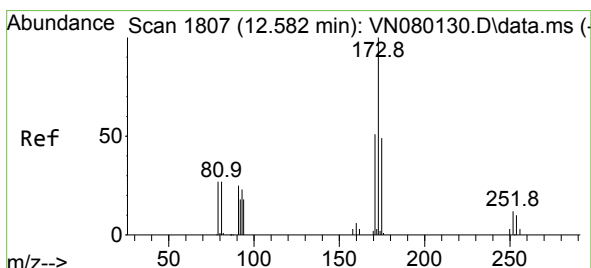
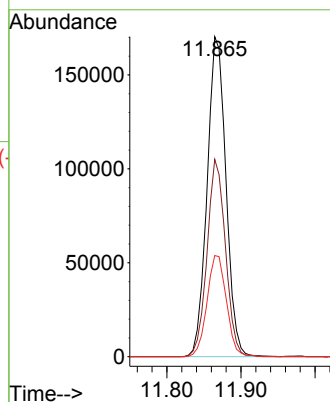
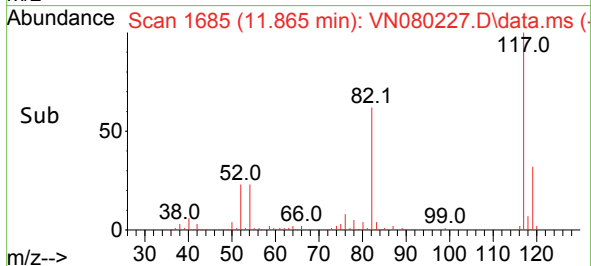


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :

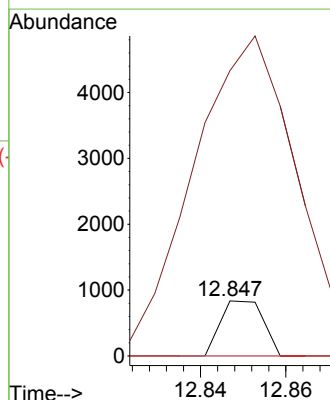
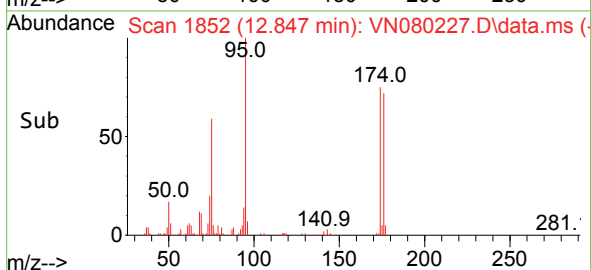
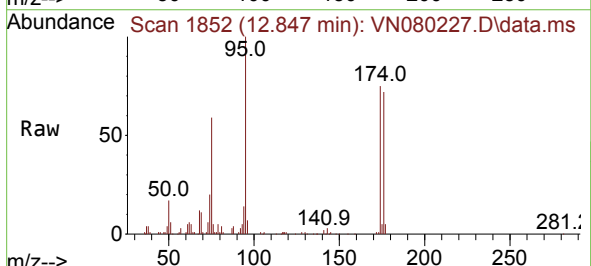


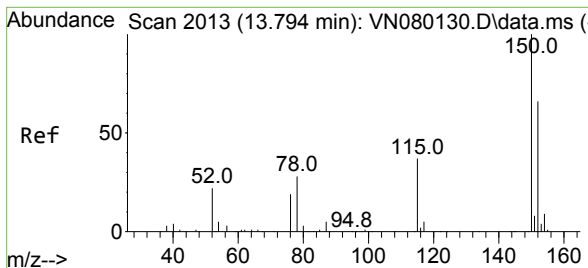
Tgt Ion:117 Resp: 300953
Ion Ratio Lower Upper
117 100
82 61.6 44.0 66.0
119 31.6 25.6 38.4



#71
Bromoform
Concen: 0.297 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080227.D
Acq: 21 Nov 2023 13:08

Tgt Ion:173 Resp: 582
Ion Ratio Lower Upper
173 100
175 1200.9 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: VN080227.D

Acq: 21 Nov 2023 13:08

Instrument :

MSVOA_N

ClientSampleId :

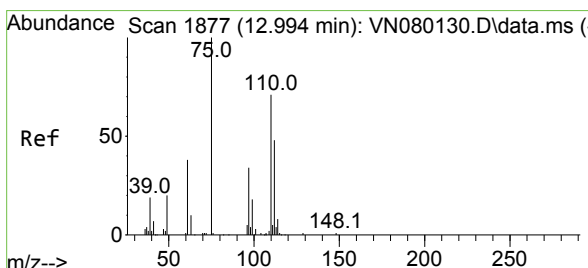
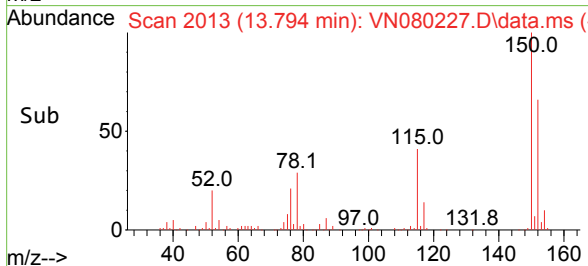
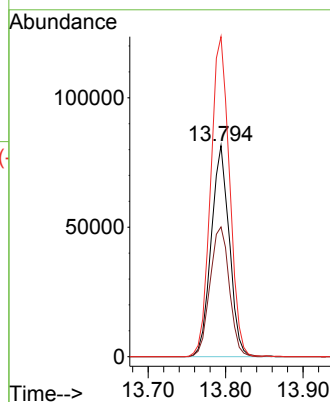
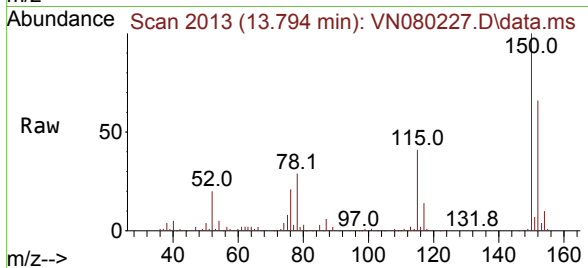
Tgt Ion:152 Resp: 132419

Ion Ratio Lower Upper

152 100

115 65.4 32.3 96.8

150 157.6 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.461 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080227.D

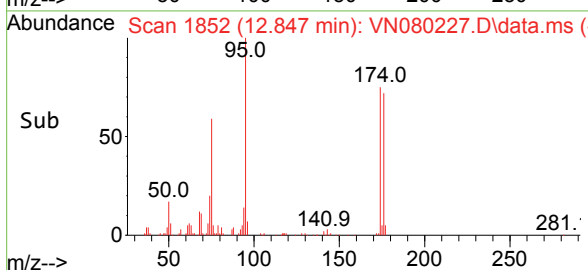
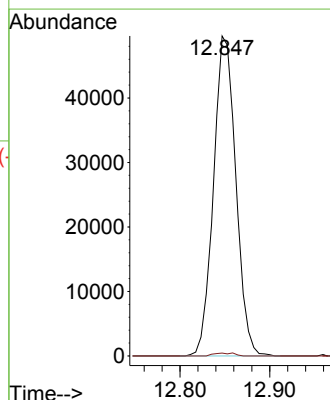
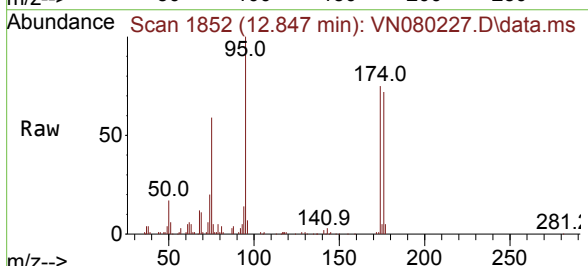
Acq: 21 Nov 2023 13:08

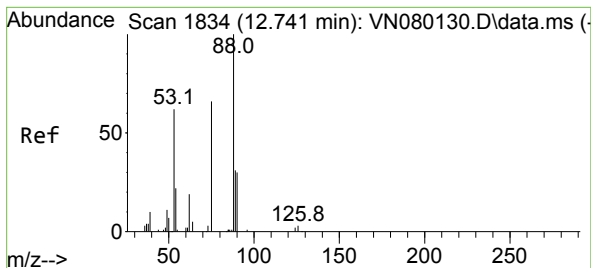
Tgt Ion: 75 Resp: 85851

Ion Ratio Lower Upper

75 100

77 0.9 84.5 253.5#

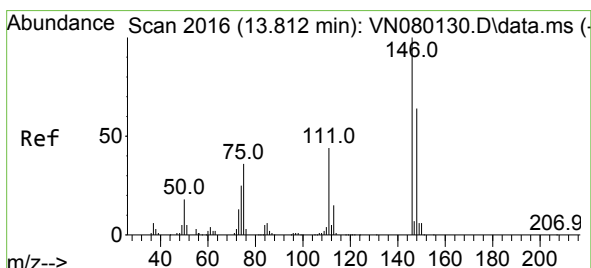
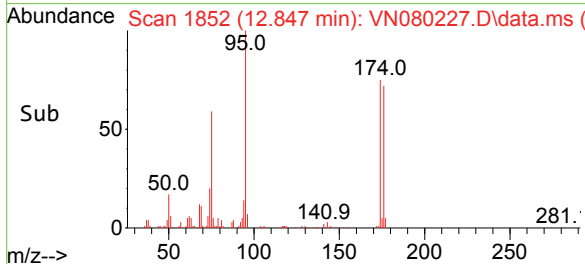
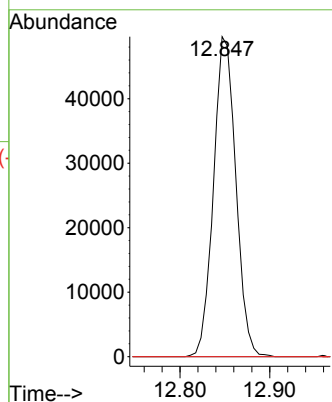
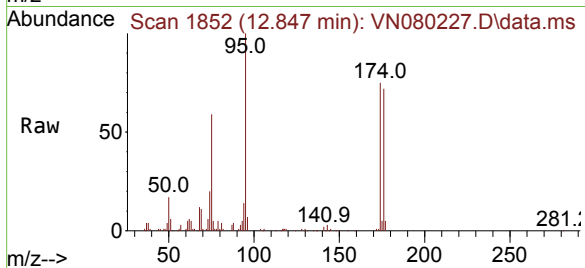




#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.399 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.106 min
 Lab File: VN080227.D
 Acq: 21 Nov 2023 13:08

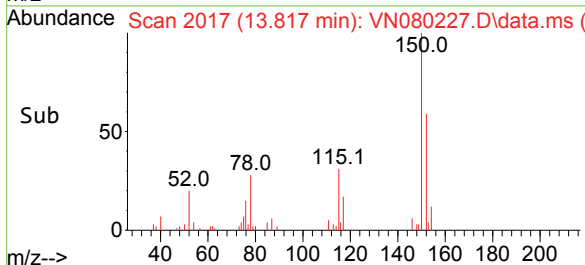
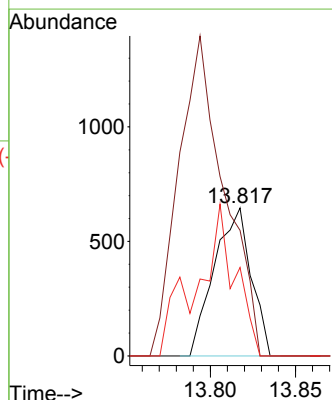
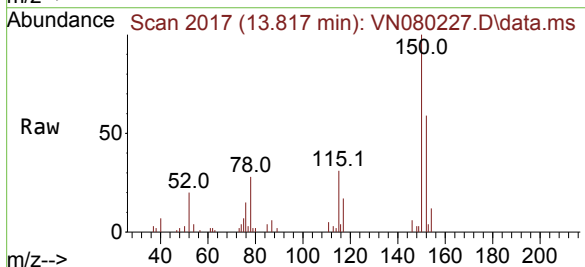
Instrument :
 MSVOA_N
 ClientSampleId :

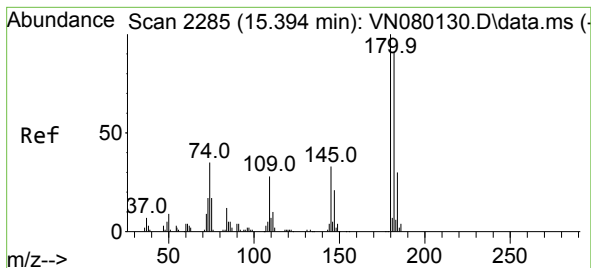
Tgt Ion: 75 Resp: 85851
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



#88
 1,4-Dichlorobenzene
 Concen: 0.207 ug/l
 RT: 13.817 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: VN080227.D
 Acq: 21 Nov 2023 13:08

Tgt Ion:146 Resp: 974
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.6 61.8#
 148 78.6 31.6 94.8





#93

1,2,4-Trichlorobenzene

Concen: 0.465 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.006 min

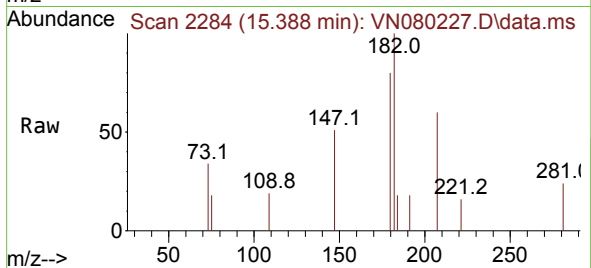
Lab File: VN080227.D

Acq: 21 Nov 2023 13:08

Instrument :

MSVOA_N

ClientSampleId :



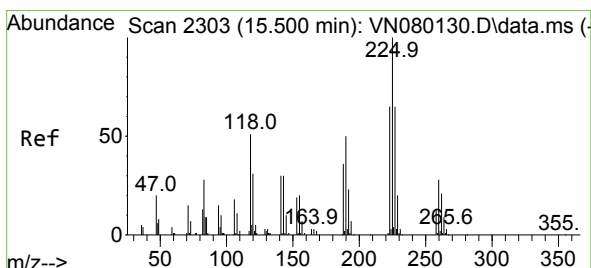
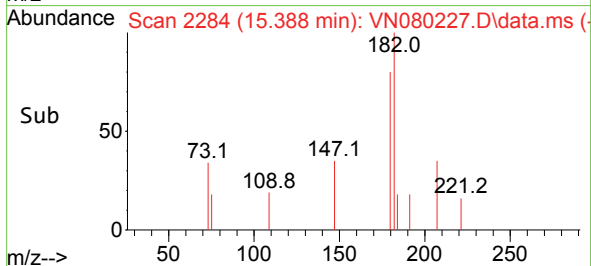
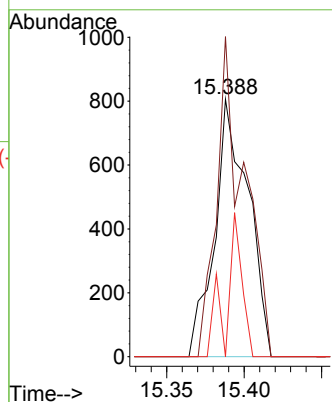
Tgt Ion:180 Resp: 1209

Ion Ratio Lower Upper

180 100

182 102.7 46.1 138.2

145 26.4 16.6 49.8



#94

Hexachlorobutadiene

Concen: 0.578 ug/l

RT: 15.511 min Scan# 2305

Delta R.T. 0.011 min

Lab File: VN080227.D

Acq: 21 Nov 2023 13:08

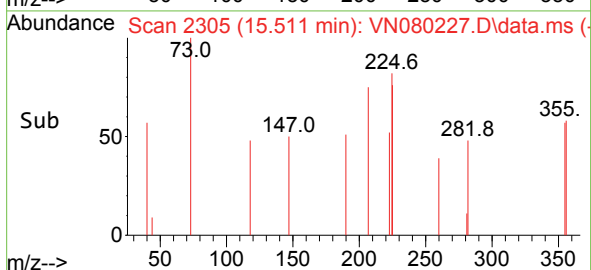
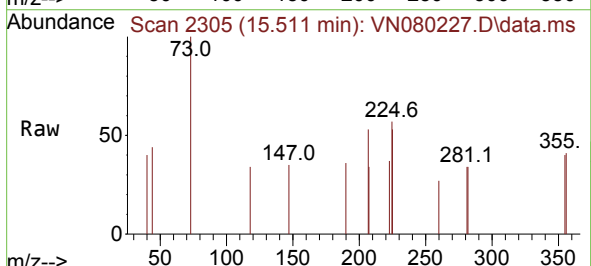
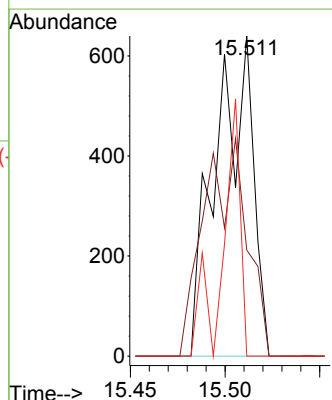
Tgt Ion:225 Resp: 866

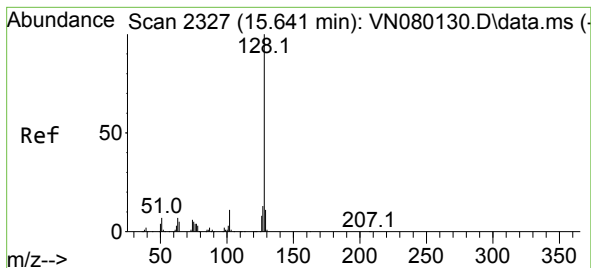
Ion Ratio Lower Upper

225 100

223 77.9 31.3 93.8

227 38.5 31.9 95.9





#95

Naphthalene

Concen: 0.637 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN080227.D

Acq: 21 Nov 2023 13:08

Instrument :

MSVOA_N

ClientSampleId :

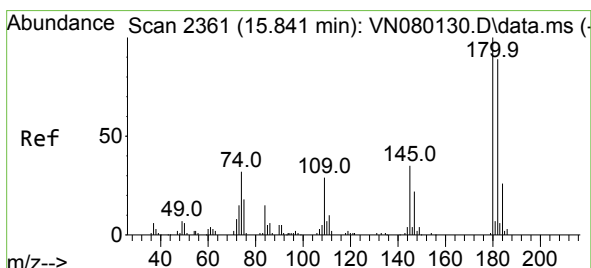
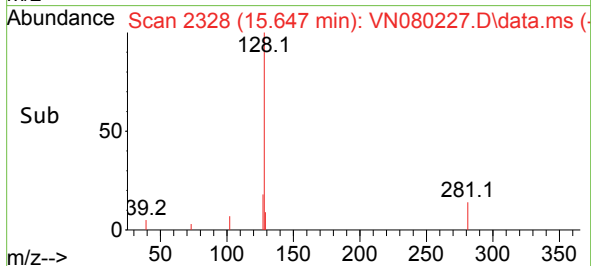
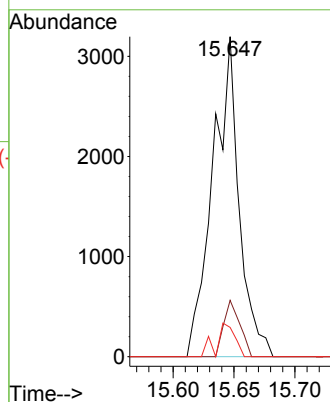
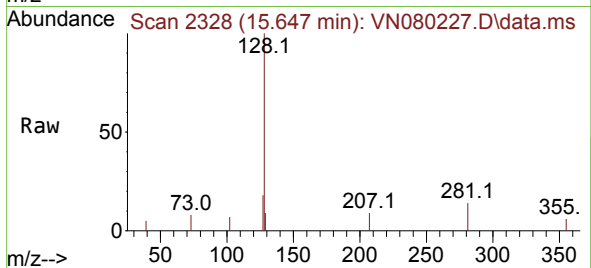
Tgt Ion:128 Resp: 4807

Ion Ratio Lower Upper

128 100

127 10.8 10.0 15.0

129 7.3 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.455 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN080227.D

Acq: 21 Nov 2023 13:08

Tgt Ion:180 Resp: 1109

Ion Ratio Lower Upper

180 100

182 116.0 46.2 138.6

145 32.2 17.5 52.6

