

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080202.D
 Acq On : 20 Nov 2023 13:01
 Operator : JC\MD
 Sample : 05482-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:03:17 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

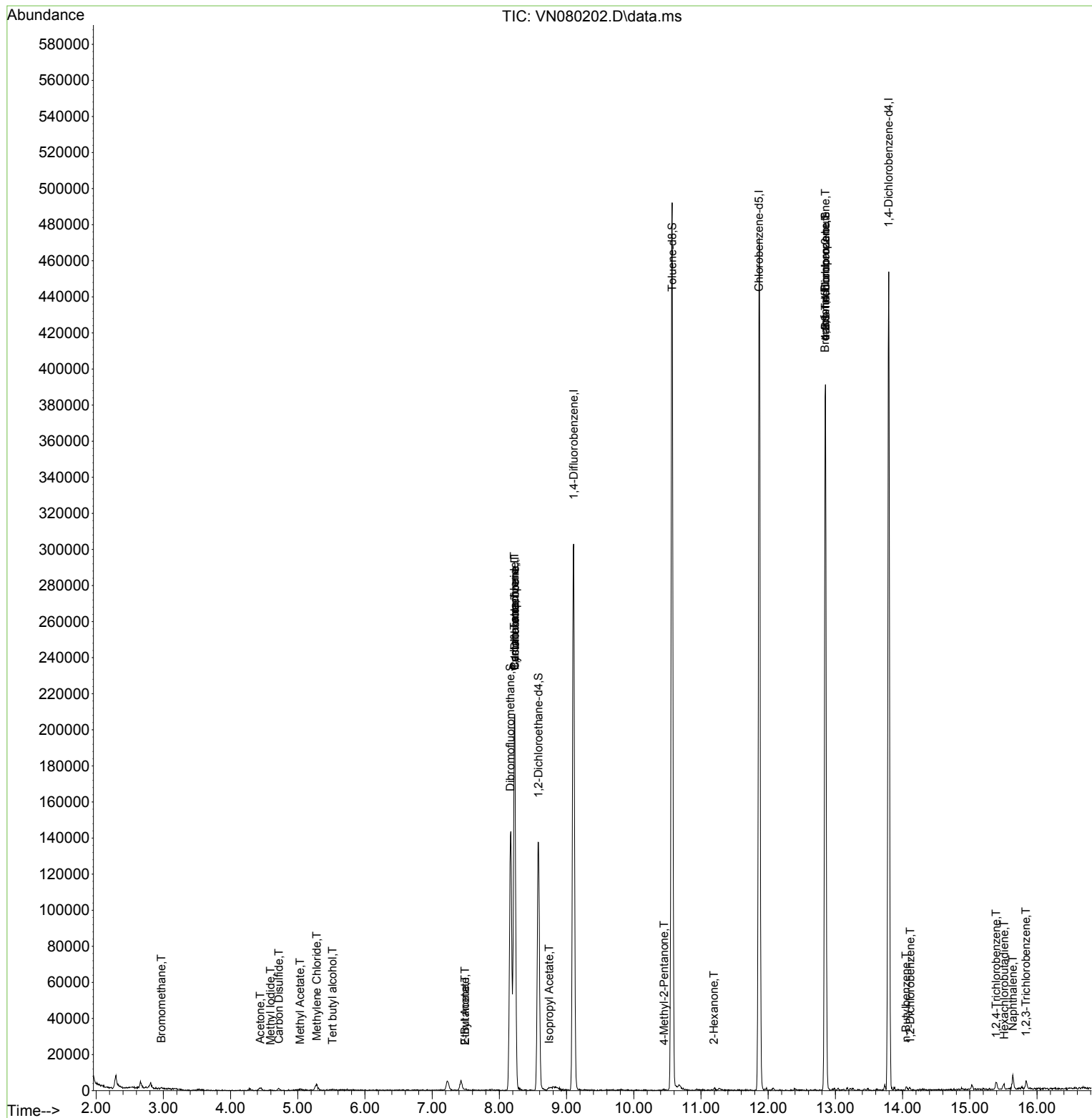
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	141644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	254449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	269131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	132400	56.611	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.220%	
35) Dibromofluoromethane	8.165	113	100434	53.494	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.980%	
50) Toluene-d8	10.571	98	338314	49.987	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.980%	
62) 4-Bromofluorobenzene	12.853	95	132028	51.646	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.300%	
Target Compounds						Qvalue
5) Bromomethane	2.971	94	278	0.244	ug/l	98
6) Chloroethane	3.112	64	156	Below Cal	#	43
10) Methyl Iodide	4.595	142	481	0.278	ug/l #	38
11) Tert butyl alcohol	5.518	59	313	1.217	ug/l #	72
16) Acetone	4.442	43	3181	4.049	ug/l #	81
17) Carbon Disulfide	4.718	76	1462	0.327	ug/l #	75
18) Methyl Acetate	5.036	43	941	0.373	ug/l #	55
20) Methylene Chloride	5.283	84	2504	1.522	ug/l #	81
25) 2-Butanone	7.488	43	954	1.022	ug/l #	37
31) Cyclohexane	8.230	56	3108	1.222	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	12390	4.558	ug/l #	49
37) Ethyl Acetate	7.488	43	954	0.506	ug/l #	70
38) Carbon Tetrachloride	8.224	117	17733	5.141	ug/l #	13
43) Isopropyl Acetate	8.741	43	1019	0.278	ug/l #	49
51) 4-Methyl-2-Pentanone	10.453	43	537	0.283	ug/l #	85
59) 2-Hexanone	11.194	43	778	0.510	ug/l	75
71) Bromoform	12.847	173	396	0.226	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	77569	26.244	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	77569	88.669	ug/l #	15
89) n-Butylbenzene	14.053	91	1929	0.312	ug/l	78
91) 1,2-Dichlorobenzene	14.117	146	924	0.227	ug/l	85
93) 1,2,4-Trichlorobenzene	15.394	180	1673	0.706	ug/l	84
94) Hexachlorobutadiene	15.511	225	819	0.601	ug/l	87
95) Naphthalene	15.641	128	6782	0.987	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	2062	0.928	ug/l	83

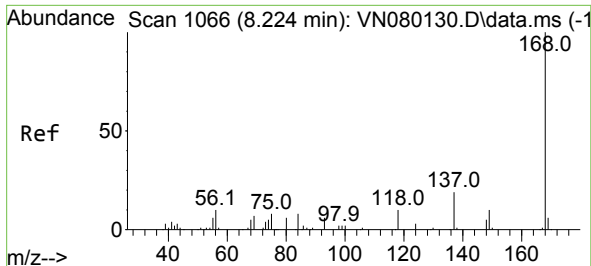
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
Data File : VN080202.D
Acq On : 20 Nov 2023 13:01
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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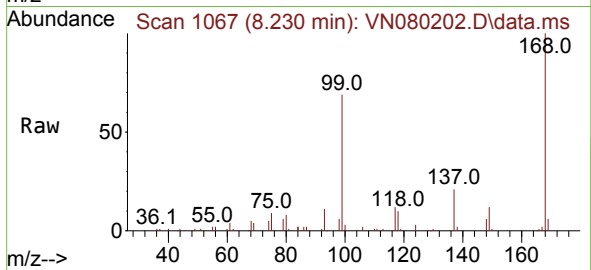
Quant Time: Nov 21 01:03:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration



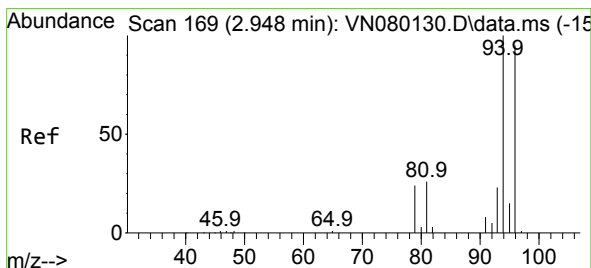
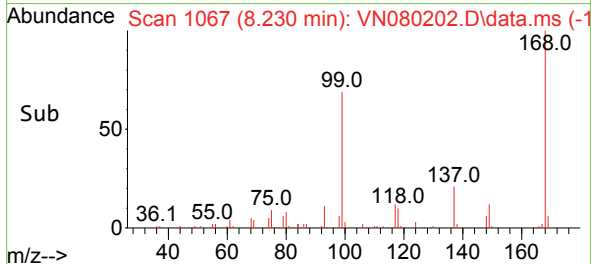
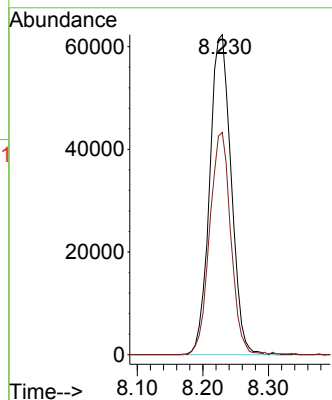


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

Instrument :
MSVOA_N
ClientSampleId :

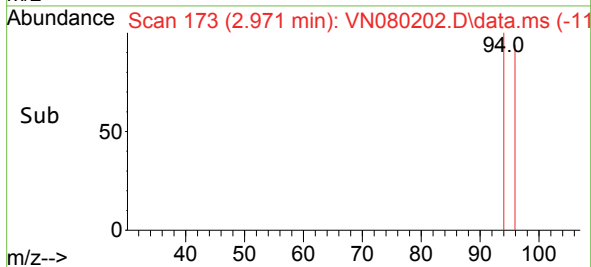
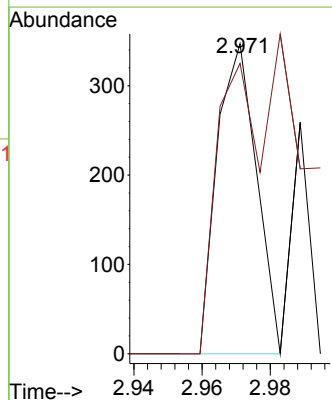
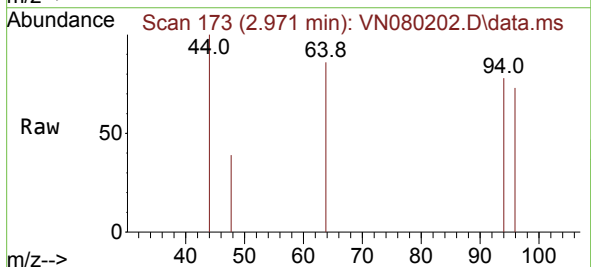


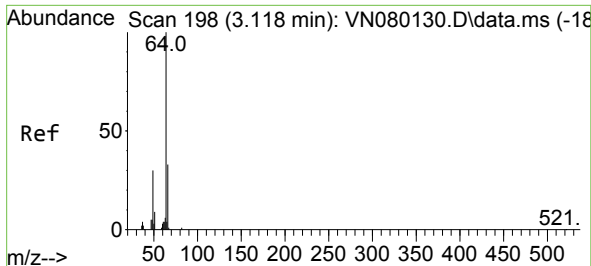
Tgt Ion:168 Resp: 141644
Ion Ratio Lower Upper
168 100
99 69.5 53.0 79.6



#5
Bromomethane
Concen: 0.244 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.023 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

Tgt Ion: 94 Resp: 278
Ion Ratio Lower Upper
94 100
96 93.7 73.1 109.7

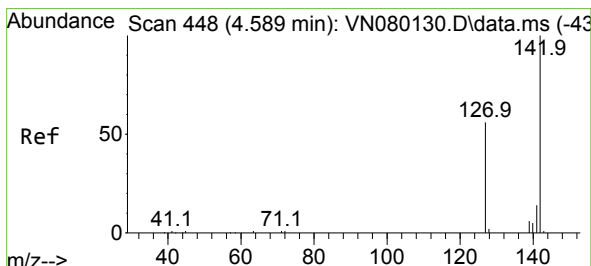
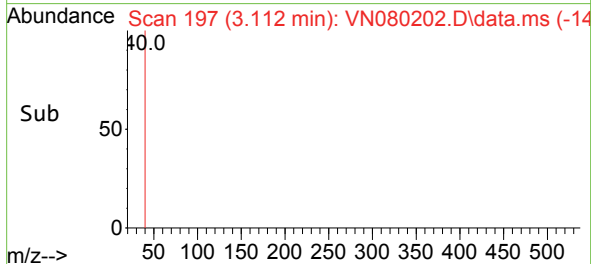
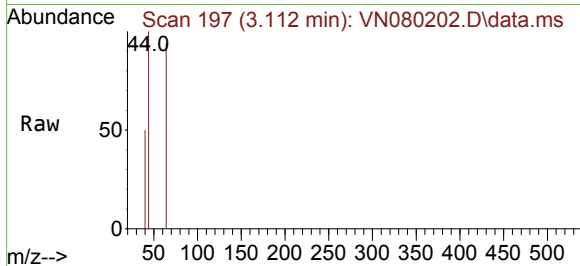




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

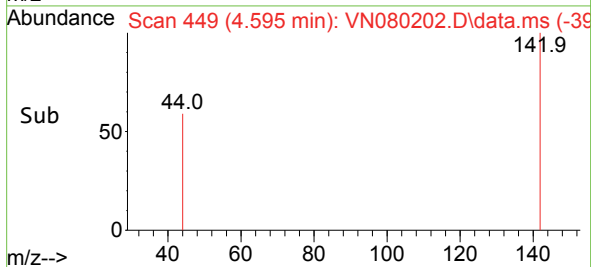
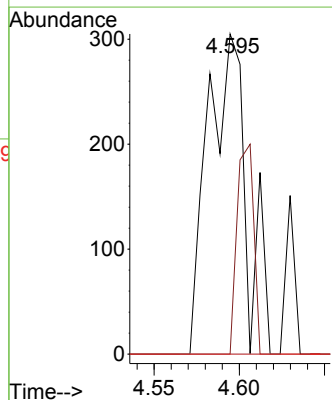
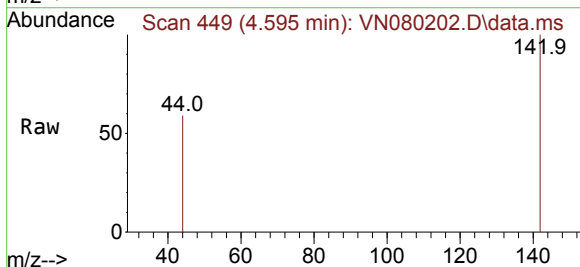
Instrument :
MSVOA_N
ClientSampleId :

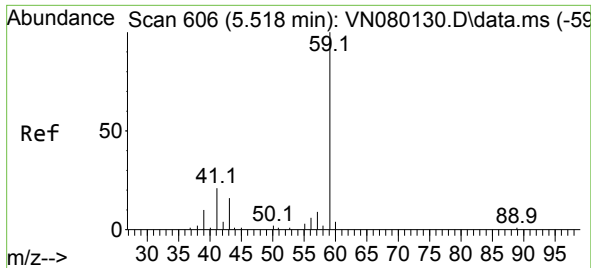
Tgt Ion: 64 Resp: 156
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.278 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

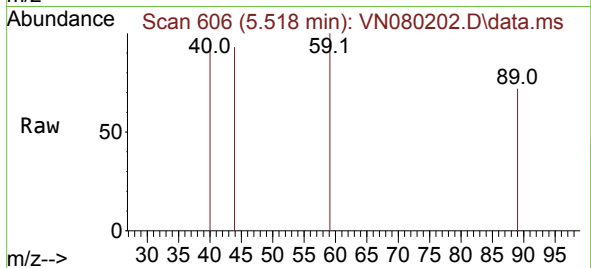
Tgt Ion: 142 Resp: 481
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



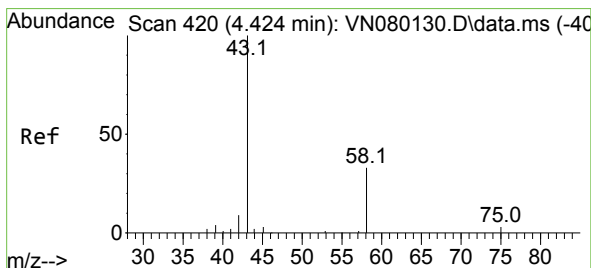
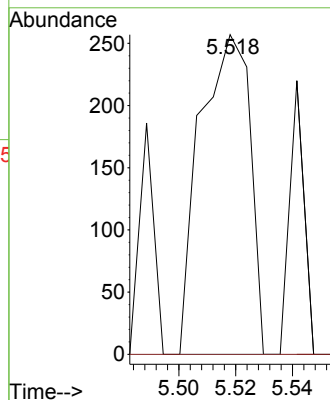
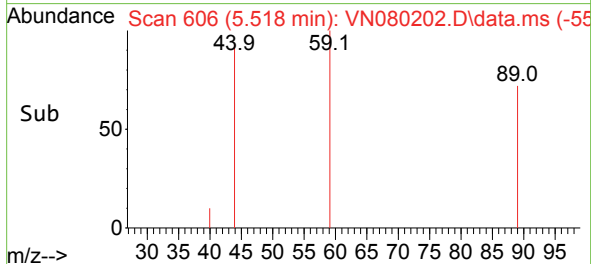


#11
Tert butyl alcohol
Concen: 1.217 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

Instrument :
MSVOA_N
ClientSampleId :

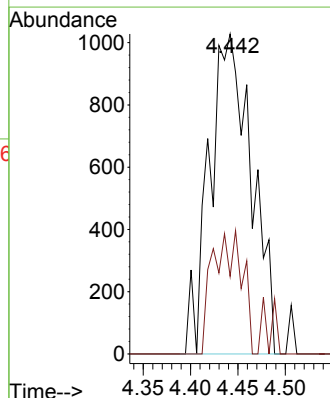
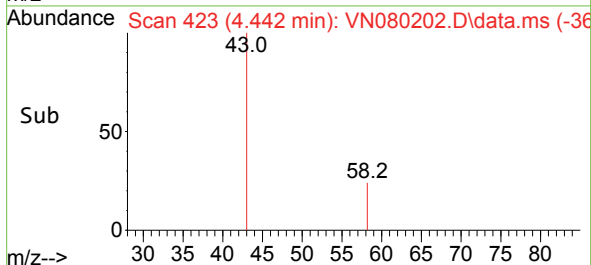
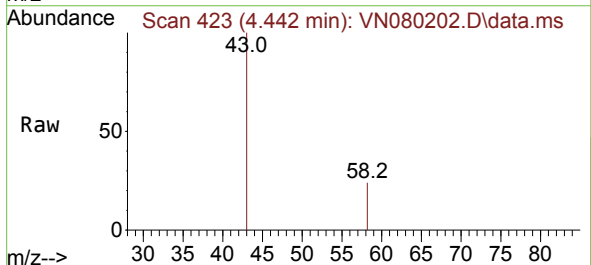


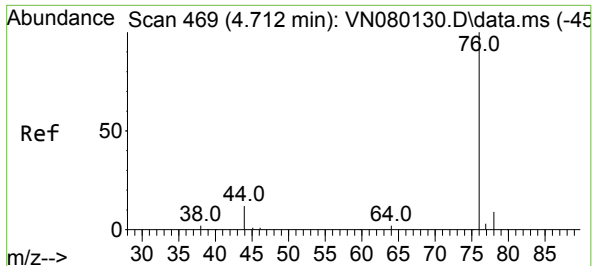
Tgt Ion: 59 Resp: 313
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 4.049 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

Tgt Ion: 43 Resp: 3181
Ion Ratio Lower Upper
43 100
58 24.2 28.0 42.0#

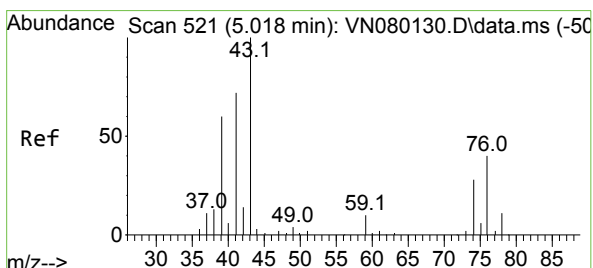
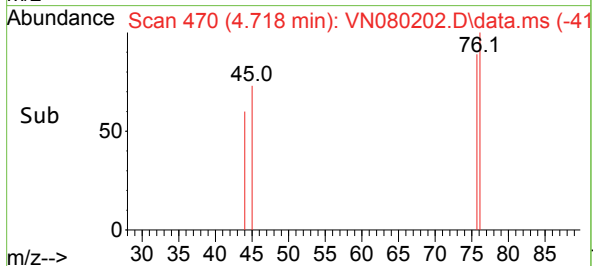
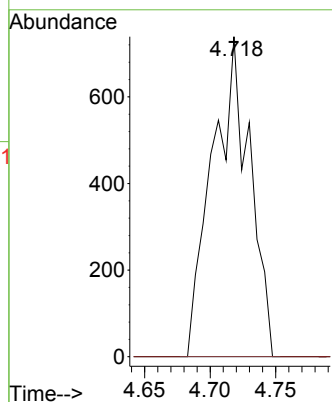
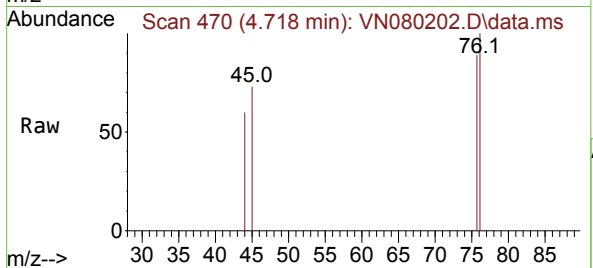




#17
Carbon Disulfide
Concen: 0.327 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

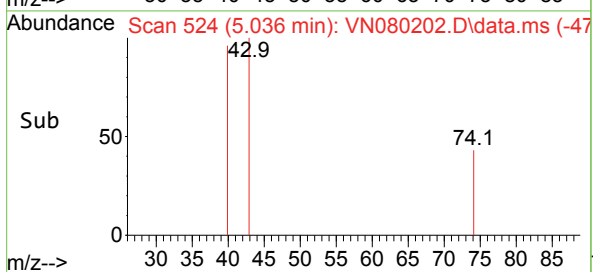
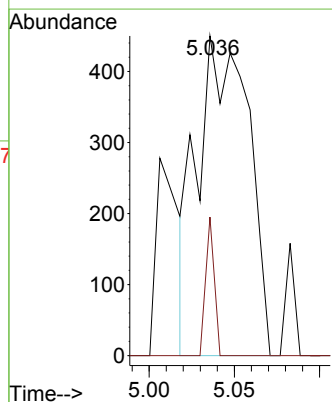
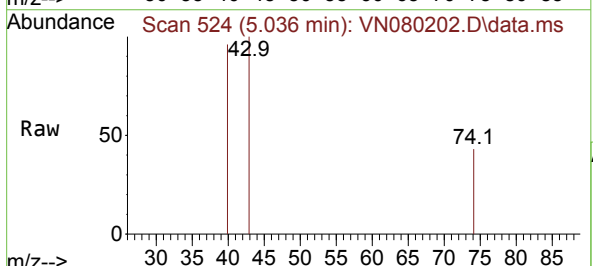
Instrument :
MSVOA_N
ClientSampleId :

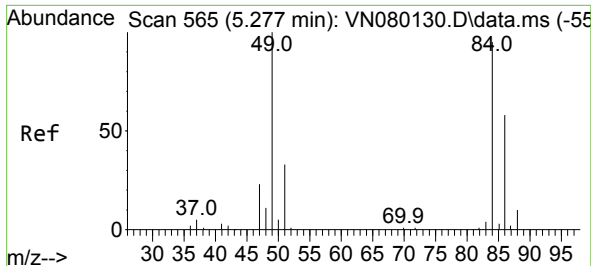
Tgt Ion: 76 Resp: 1462
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.373 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

Tgt Ion: 43 Resp: 941
Ion Ratio Lower Upper
43 100
74 7.3 26.2 39.4#





#20

Methylene Chloride

Concen: 1.522 ug/l

RT: 5.283 min Scan# 5

Delta R.T. 0.006 min

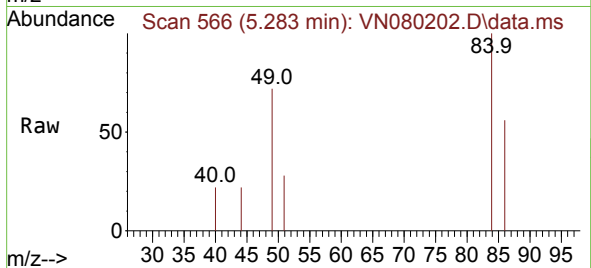
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Acq: 20 Nov 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 2504

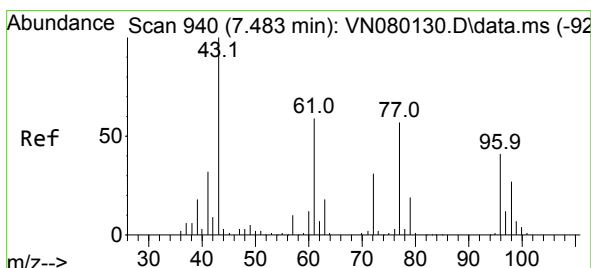
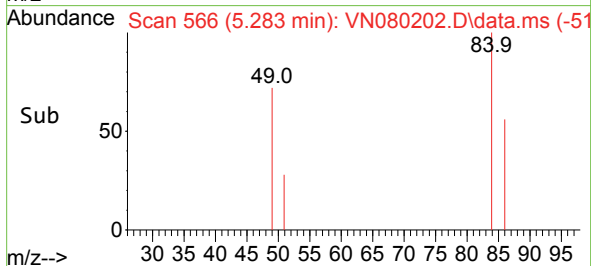
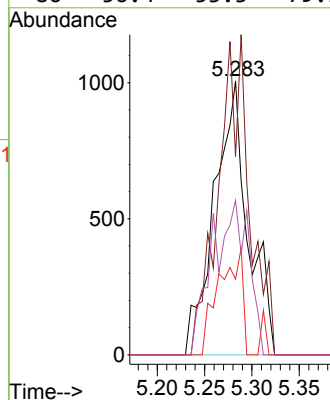
Ion Ratio Lower Upper

84 100

49 72.4 79.7 119.5#

51 27.6 25.2 37.8

86 56.4 53.3 79.9



#25

2-Butanone

Concen: 1.022 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN080202.D

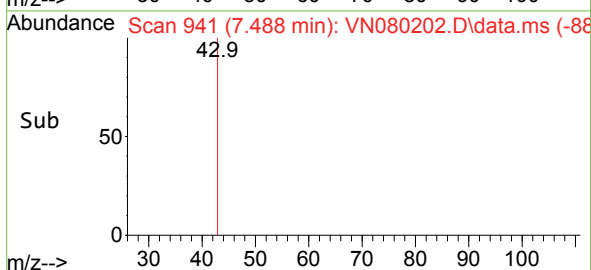
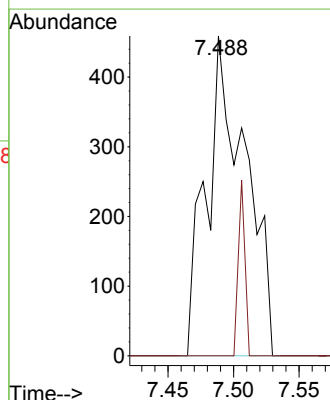
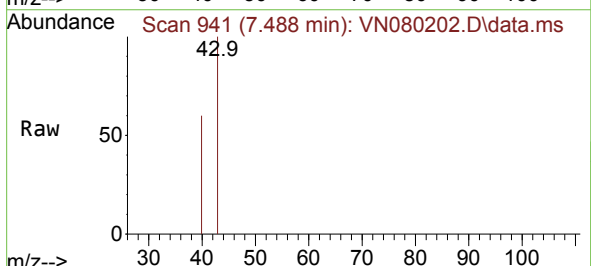
Acq: 20 Nov 2023 13:01

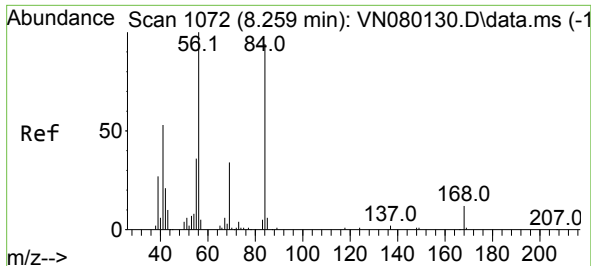
Tgt Ion: 43 Resp: 954

Ion Ratio Lower Upper

43 100

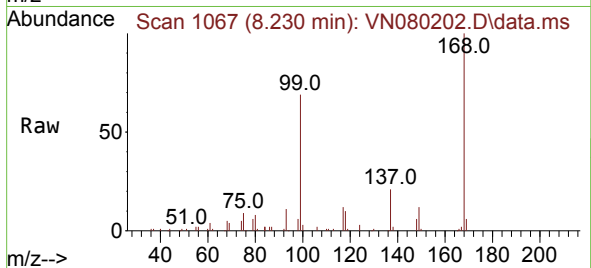
72 0.0 30.2 45.2#



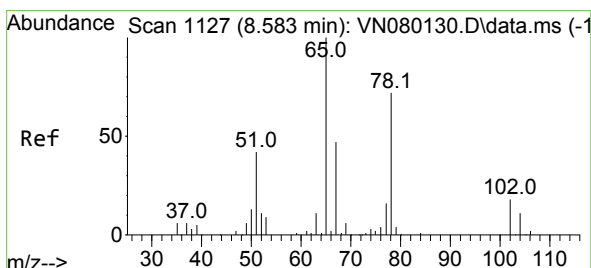
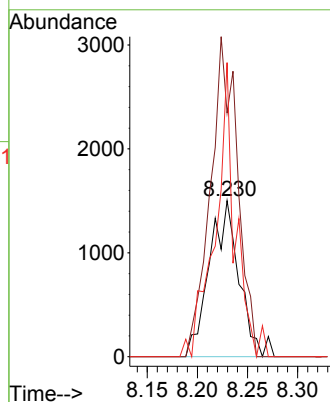
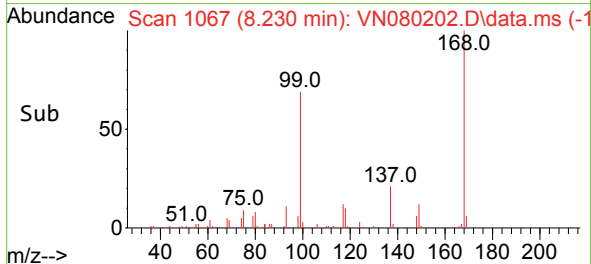


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

Instrument :
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ClientSampleId :

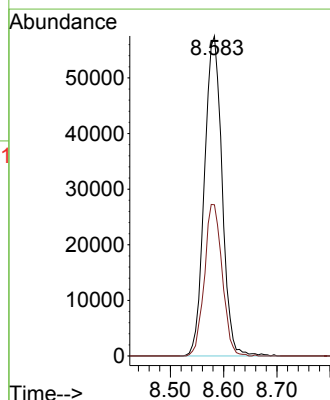
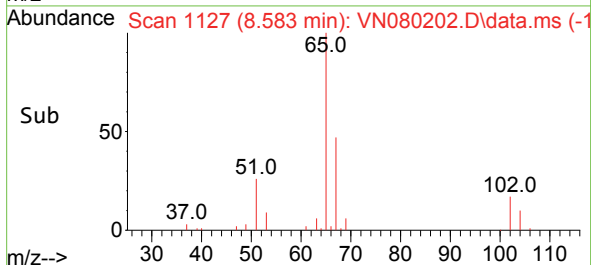
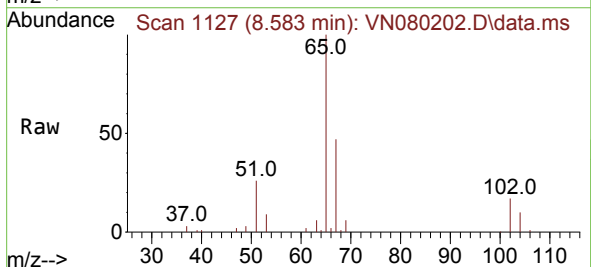


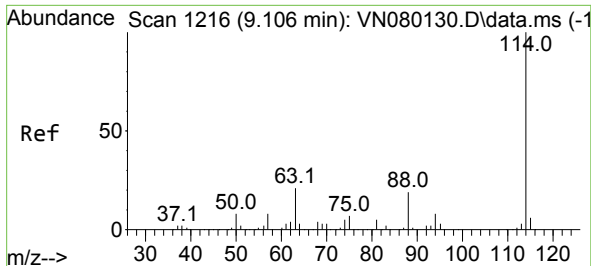
Tgt Ion: 56 Resp: 3108
Ion Ratio Lower Upper
56 100
69 156.2 26.8 40.2#
84 188.6 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 56.611 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

Tgt Ion: 65 Resp: 132400
Ion Ratio Lower Upper
65 100
67 47.6 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: VN080202.D

Acq: 20 Nov 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

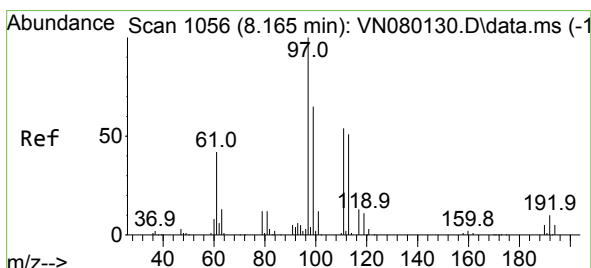
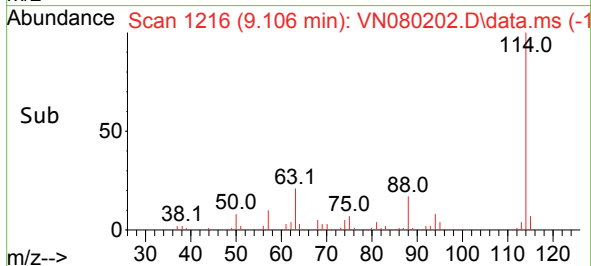
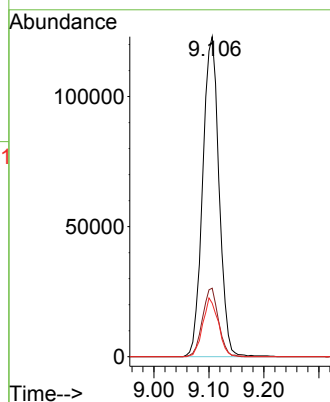
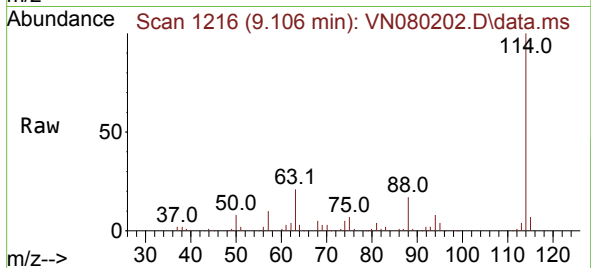
Tgt Ion:114 Resp: 254449

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 16.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.494 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080202.D

Acq: 20 Nov 2023 13:01

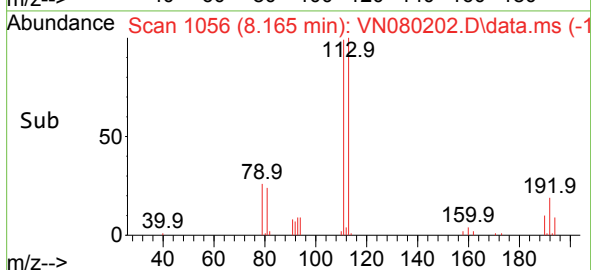
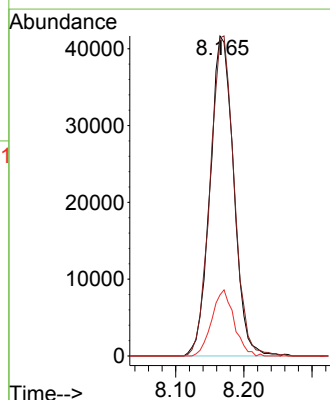
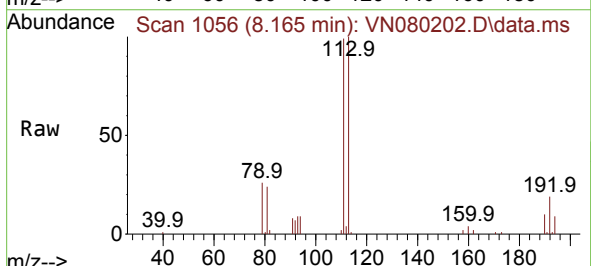
Tgt Ion:113 Resp: 100434

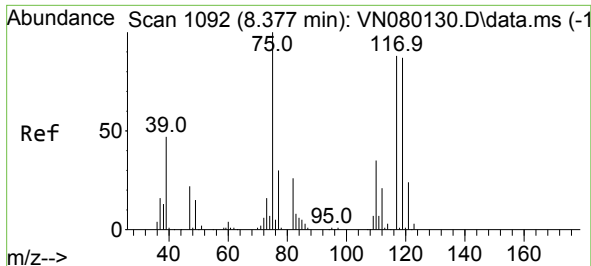
Ion Ratio Lower Upper

113 100

111 101.2 82.6 123.8

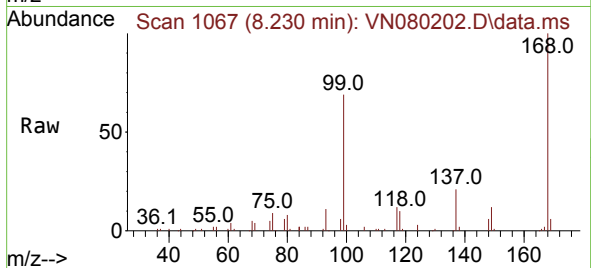
192 19.4 12.7 19.1#



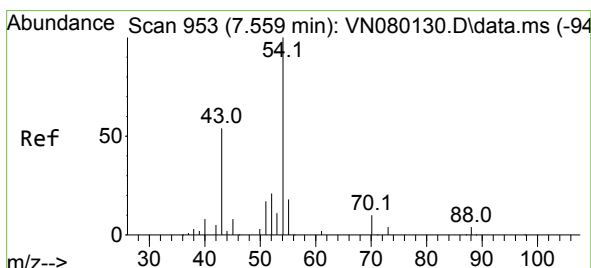
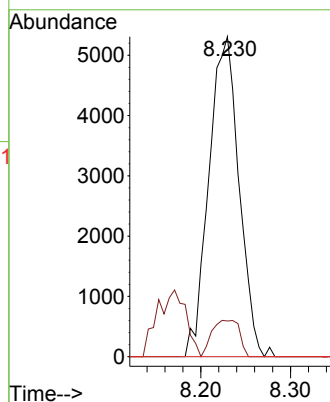
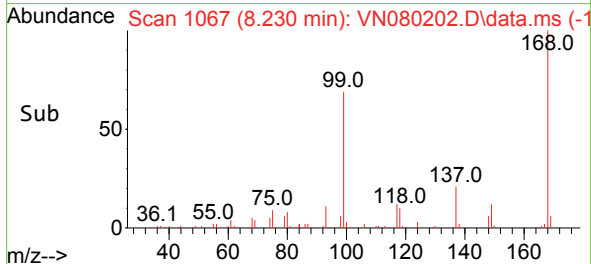


#36
 1,1-Dichloropropene
 Concen: 4.558 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN080202.D
 Acq: 20 Nov 2023 13:01

Instrument :
 MSVOA_N
 ClientSampleId :

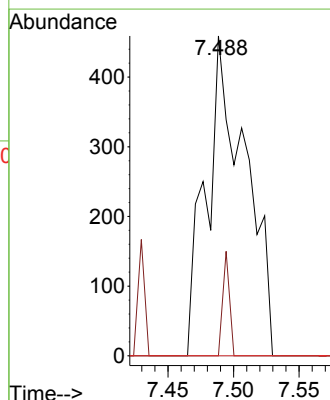
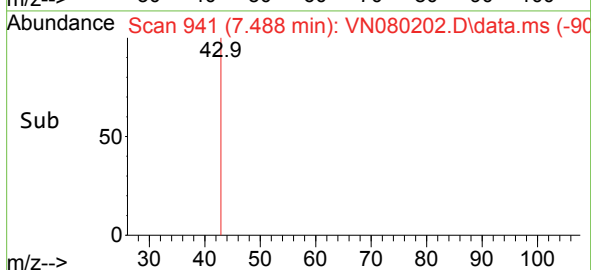
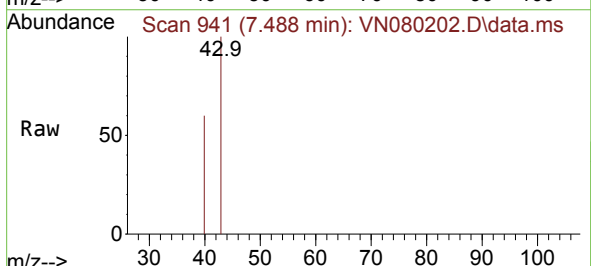


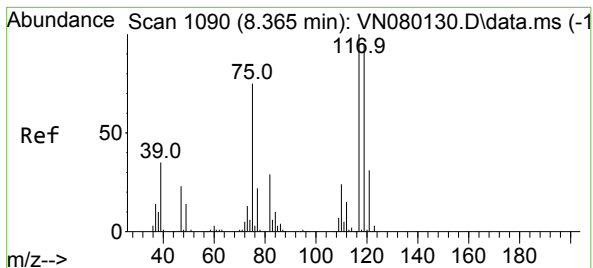
Tgt Ion: 75 Resp: 12390
 Ion Ratio Lower Upper
 75 100
 110 10.4 19.1 57.3#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 0.506 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. -0.071 min
 Lab File: VN080202.D
 Acq: 20 Nov 2023 13:01

Tgt Ion: 43 Resp: 954
 Ion Ratio Lower Upper
 43 100
 61 5.6 13.2 19.8#
 70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.141 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

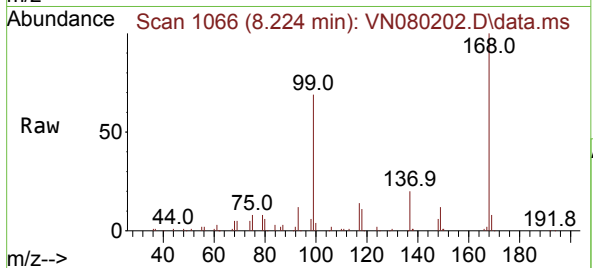
Lab File: VN080202.D

Acq: 20 Nov 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :



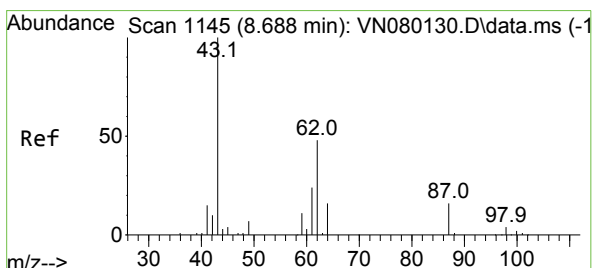
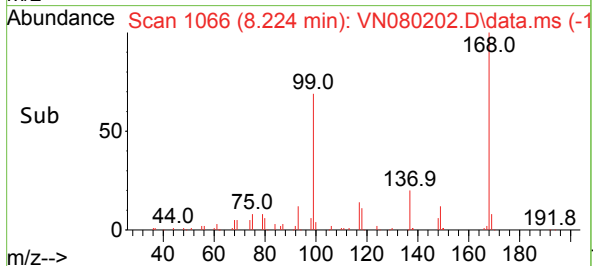
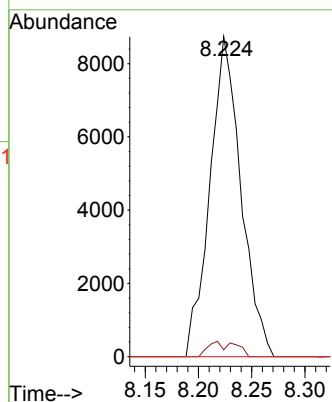
Tgt Ion:117 Resp: 17733

Ion Ratio Lower Upper

117 100

119 2.1 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.278 ug/l

RT: 8.741 min Scan# 1154

Delta R.T. 0.053 min

Lab File: VN080202.D

Acq: 20 Nov 2023 13:01

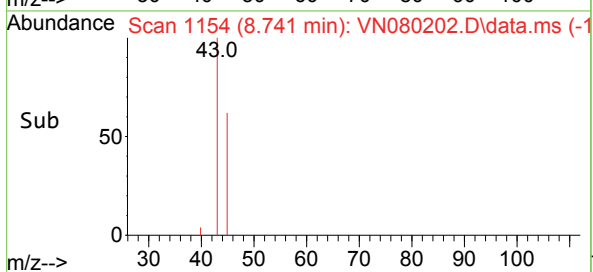
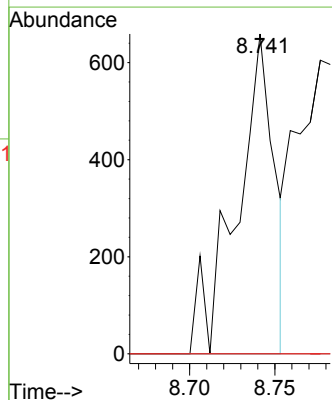
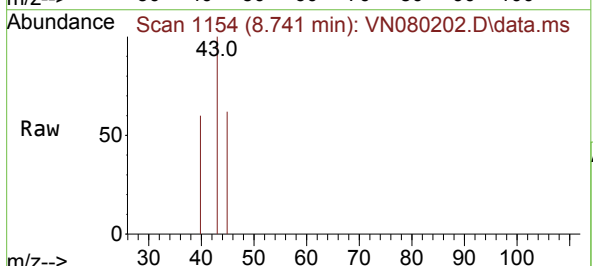
Tgt Ion: 43 Resp: 1019

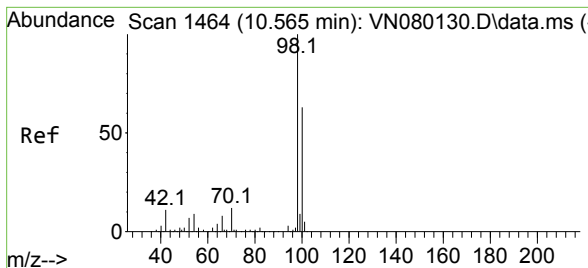
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

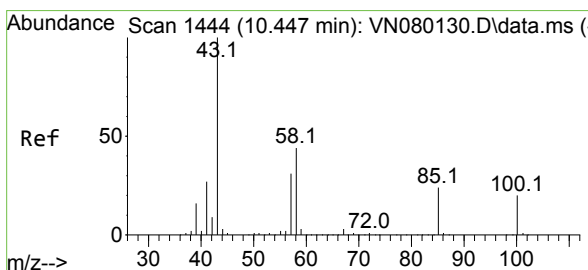
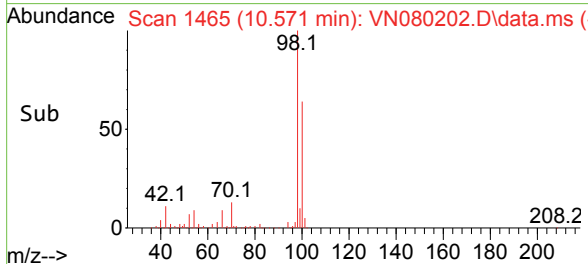
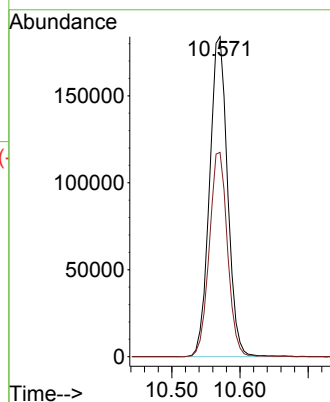
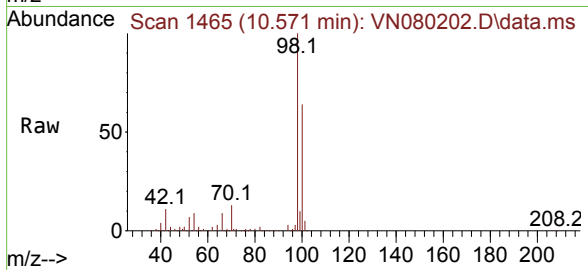




#50
Toluene-d8
Concen: 49.987 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

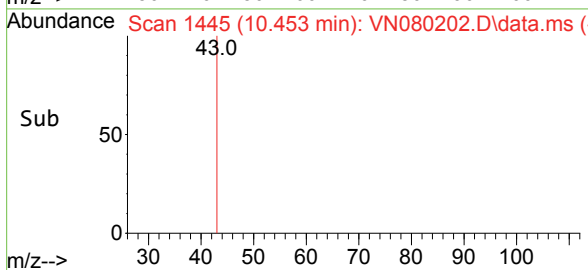
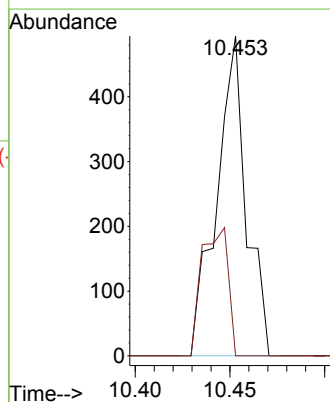
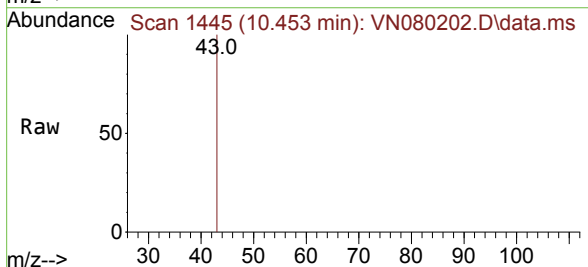
Instrument :
MSVOA_N
ClientSampleId :

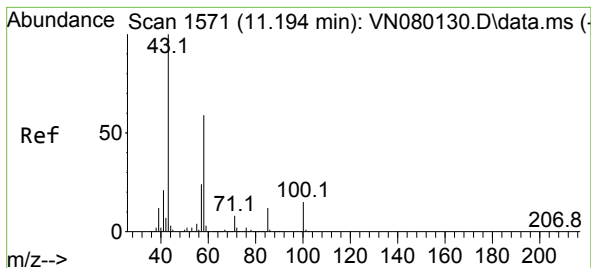
Tgt Ion: 98 Resp: 338314
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.283 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
58 35.8 36.6 54.8#

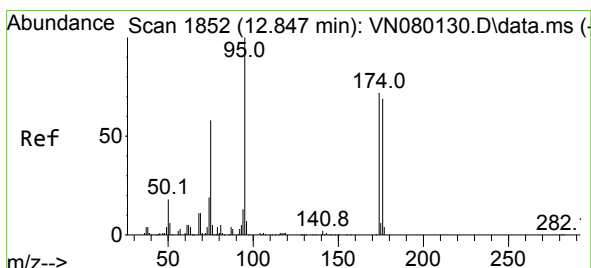
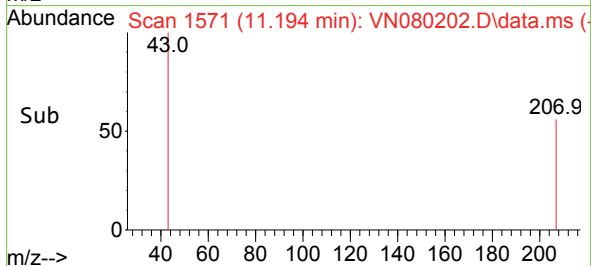
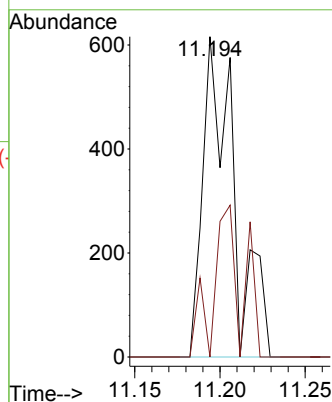
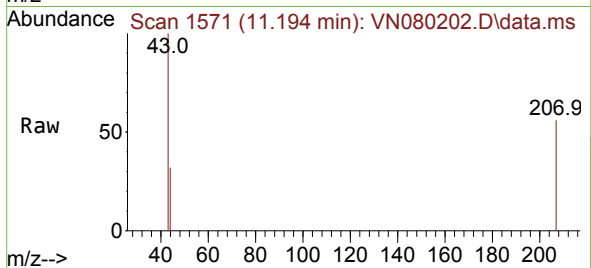




#59
2-Hexanone
Concen: 0.510 ug/l
RT: 11.194 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

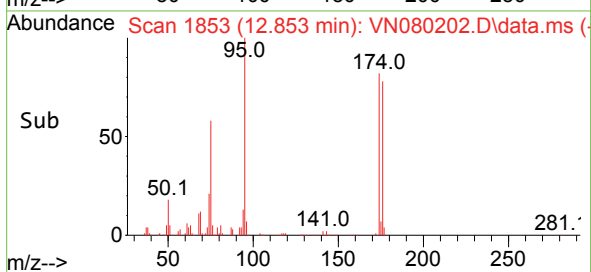
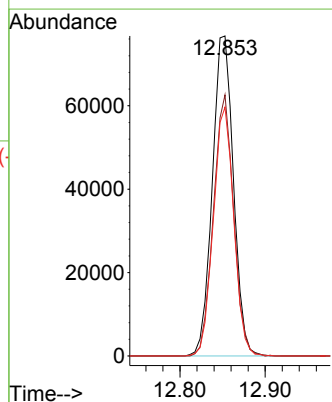
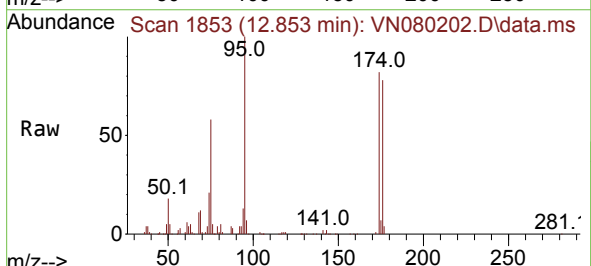
Instrument :
MSVOA_N
ClientSampleId :

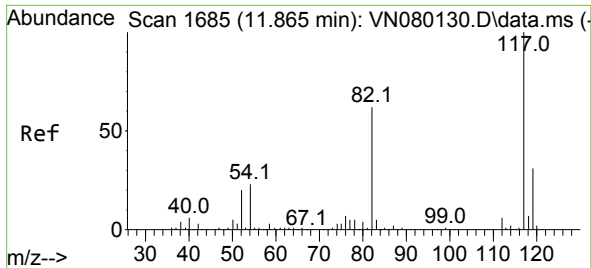
Tgt Ion: 43 Resp: 778
Ion Ratio Lower Upper
43 100
58 43.8 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 51.646 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

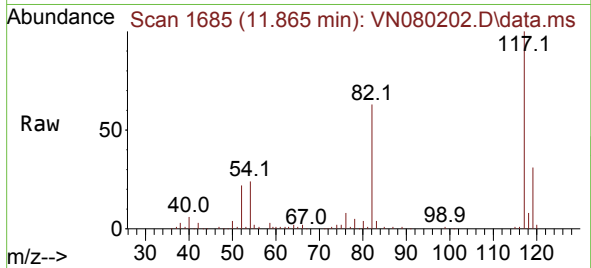
Tgt Ion: 95 Resp: 132028
Ion Ratio Lower Upper
95 100
174 78.3 0.0 143.8
176 75.1 0.0 135.8



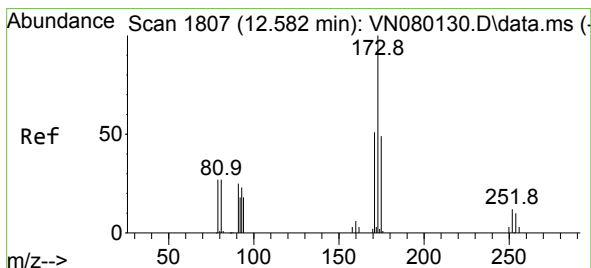
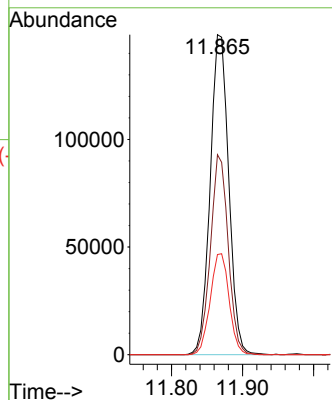
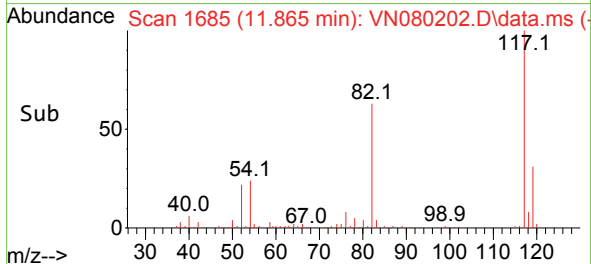


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

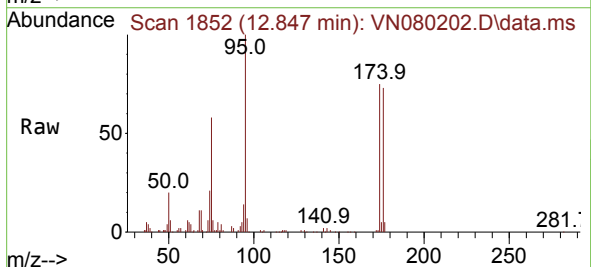
Instrument :
MSVOA_N
ClientSampleId :



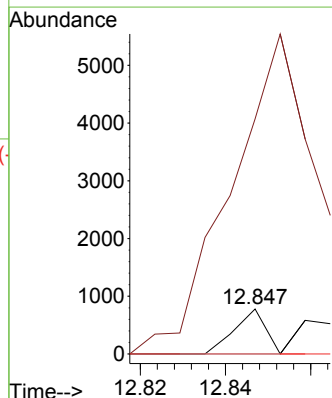
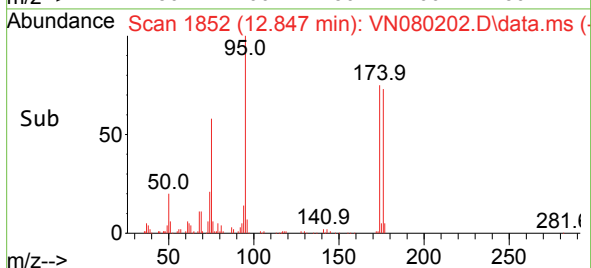
Tgt Ion:117 Resp: 269131
Ion Ratio Lower Upper
117 100
82 62.5 44.0 66.0
119 31.3 25.6 38.4

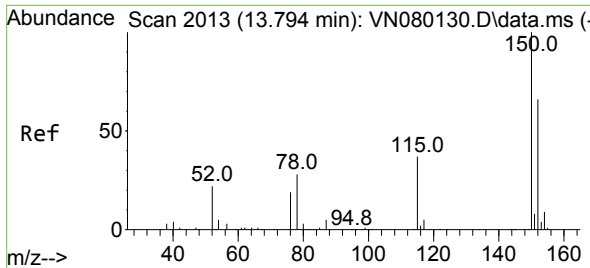


#71
Bromoform
Concen: 0.226 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01



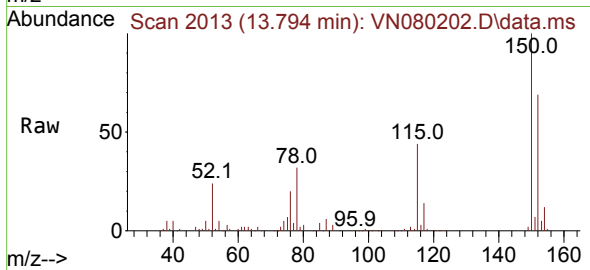
Tgt Ion:173 Resp: 396
Ion Ratio Lower Upper
173 100
175 1676.0 24.3 73.0#
254 0.0 0.0 0.0



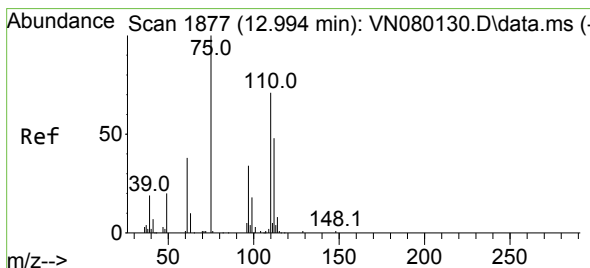
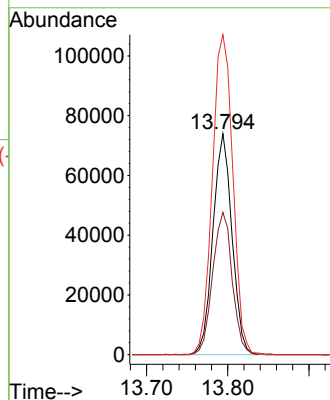
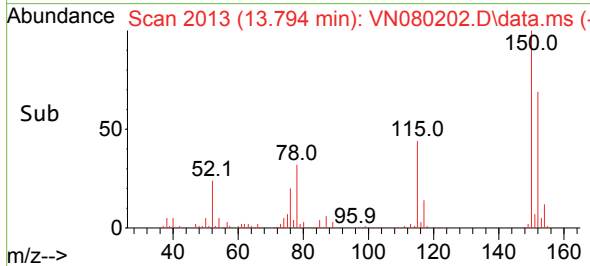


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080202.D
 Acq: 20 Nov 2023 13:01

Instrument :
 MSVOA_N
 ClientSampleId :

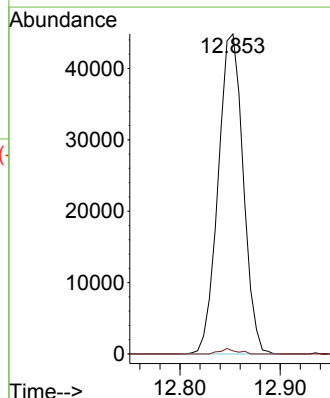
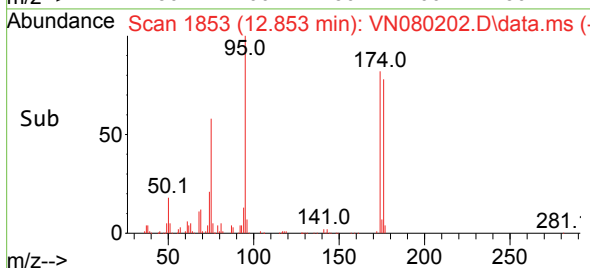
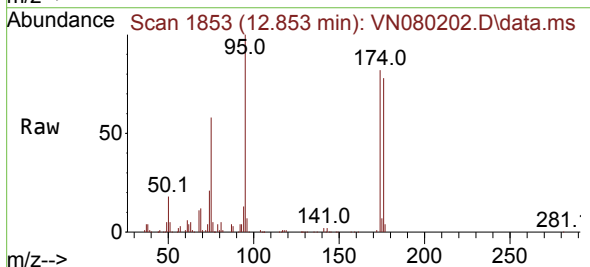


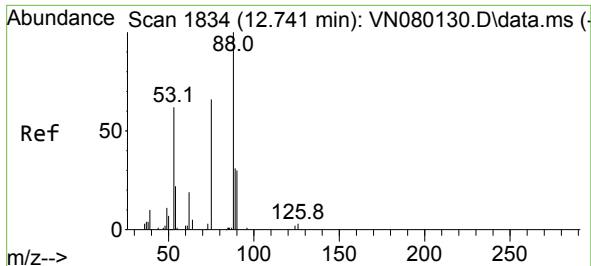
Tgt Ion:152 Resp: 120630
 Ion Ratio Lower Upper
 152 100
 115 66.2 32.3 96.8
 150 155.7 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 26.244 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080202.D
 Acq: 20 Nov 2023 13:01

Tgt Ion: 75 Resp: 77569
 Ion Ratio Lower Upper
 75 100
 77 1.1 84.5 253.5#

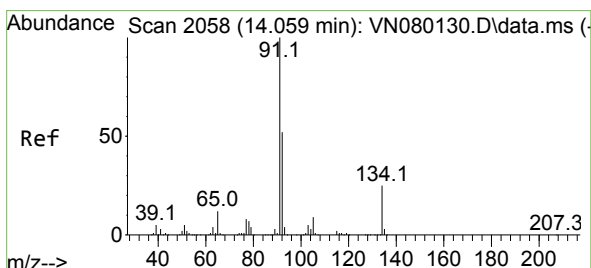
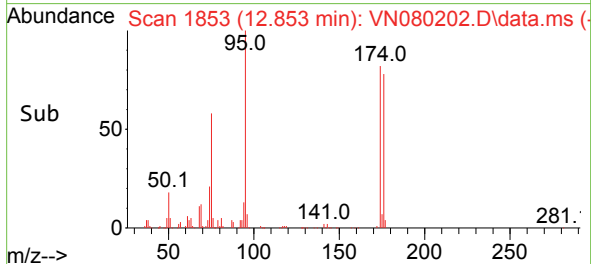
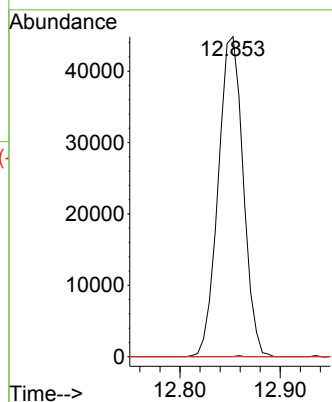
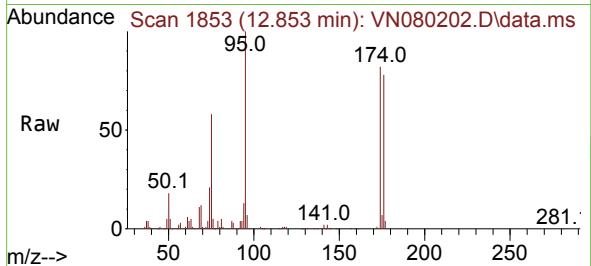




#81
trans-1,4-Dichloro-2-butene
Concen: 88.669 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

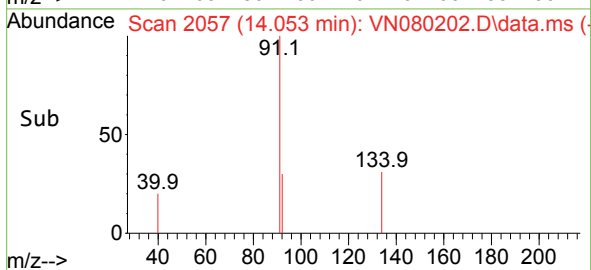
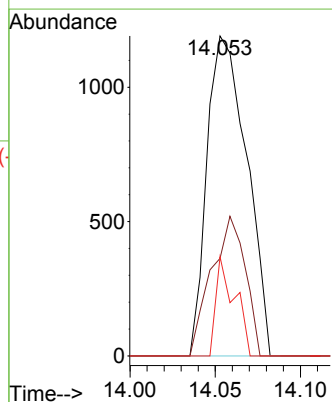
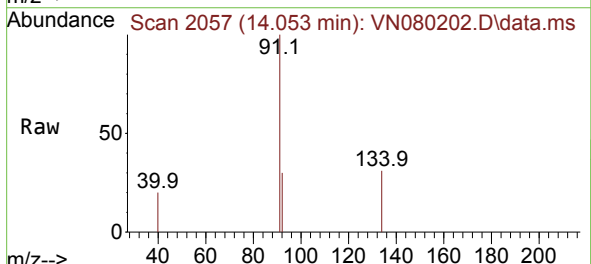
Instrument :
MSVOA_N
ClientSampleId :

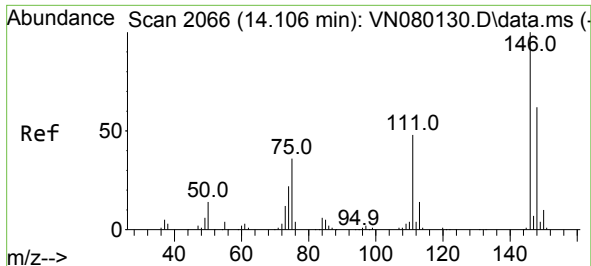
Tgt Ion: 75 Resp: 77569
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#89
n-Butylbenzene
Concen: 0.312 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

Tgt Ion: 91 Resp: 1929
Ion Ratio Lower Upper
91 100
92 37.2 26.4 79.0
134 14.7 12.6 37.6





#91

1,2-Dichlorobenzene

Concen: 0.227 ug/l

RT: 14.117 min Scan# 2068

Delta R.T. 0.012 min

Lab File: VN080202.D

Acq: 20 Nov 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

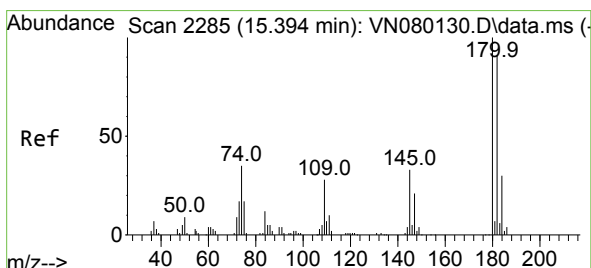
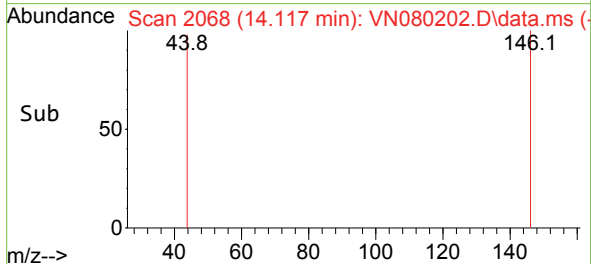
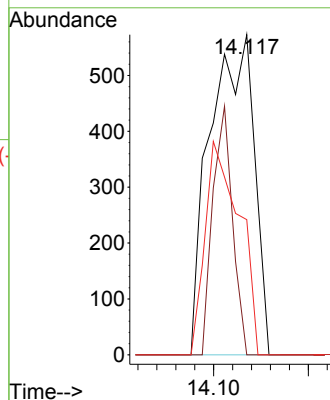
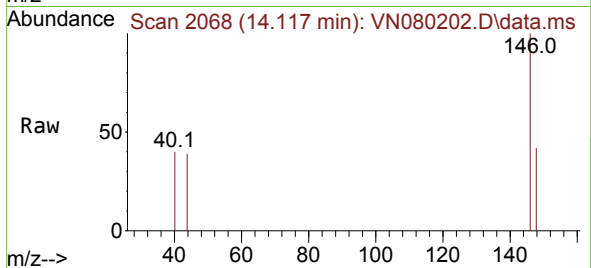
Tgt Ion:146 Resp: 924

Ion Ratio Lower Upper

146 100

111 34.7 22.0 66.0

148 51.7 31.8 95.3



#93

1,2,4-Trichlorobenzene

Concen: 0.706 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. -0.000 min

Lab File: VN080202.D

Acq: 20 Nov 2023 13:01

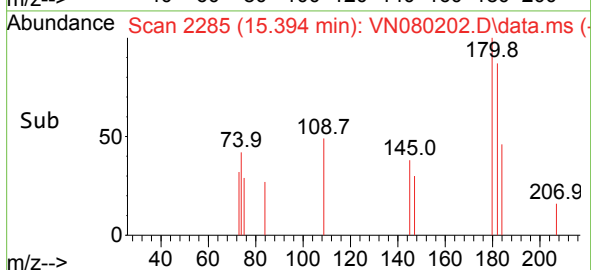
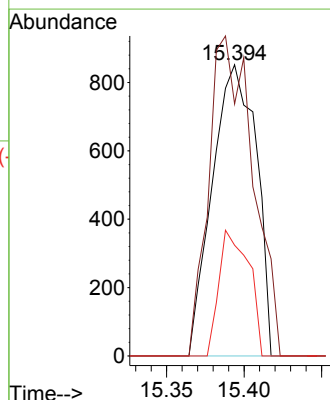
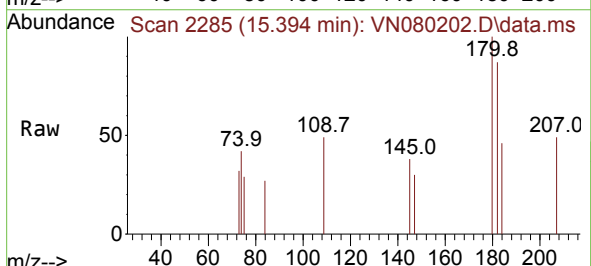
Tgt Ion:180 Resp: 1673

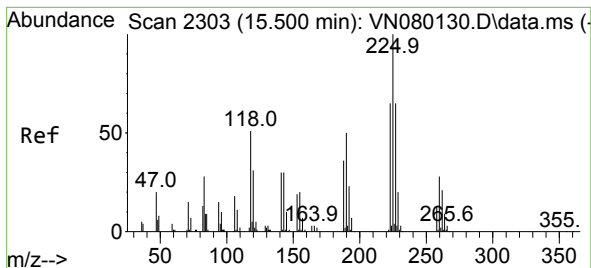
Ion Ratio Lower Upper

180 100

182 110.8 46.1 138.2

145 29.5 16.6 49.8





#94

Hexachlorobutadiene

Concen: 0.601 ug/l

RT: 15.511 min Scan# 21

Delta R.T. 0.011 min

Lab File: VN080202.D

Acq: 20 Nov 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

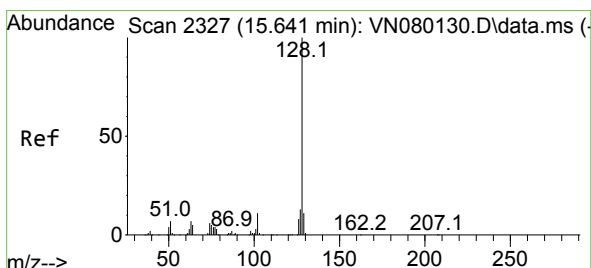
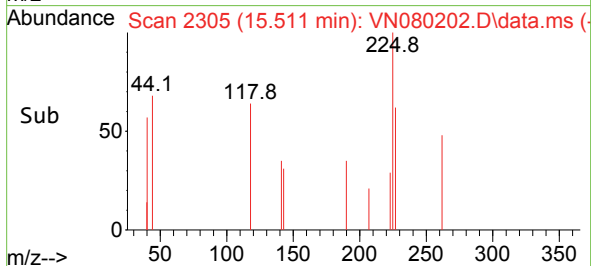
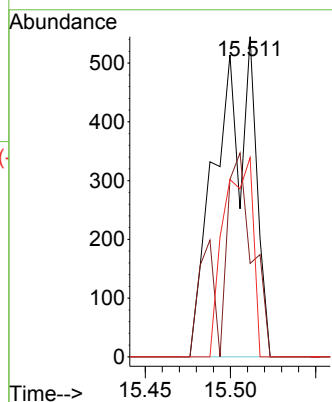
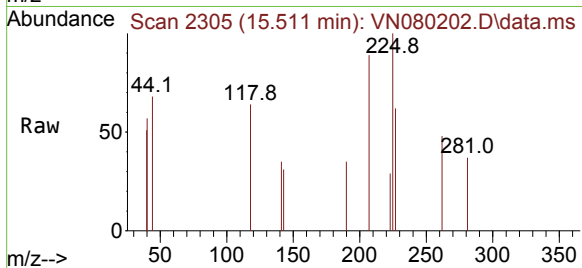
Tgt Ion:225 Resp: 819

Ion Ratio Lower Upper

225 100

223 57.5 31.3 93.8

227 48.7 31.9 95.9



#95

Naphthalene

Concen: 0.987 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN080202.D

Acq: 20 Nov 2023 13:01

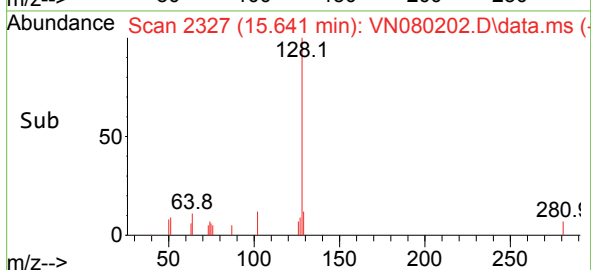
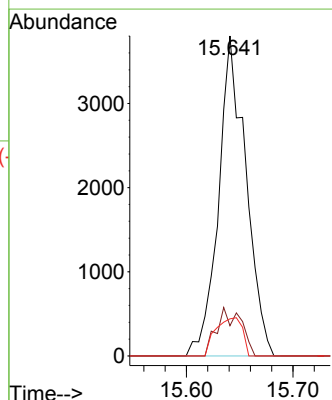
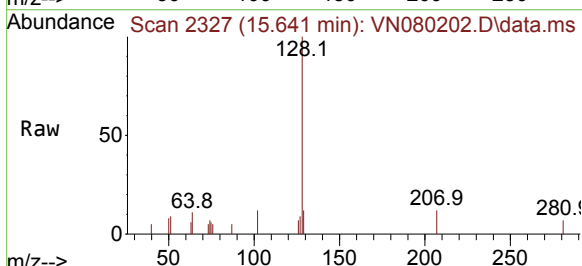
Tgt Ion:128 Resp: 6782

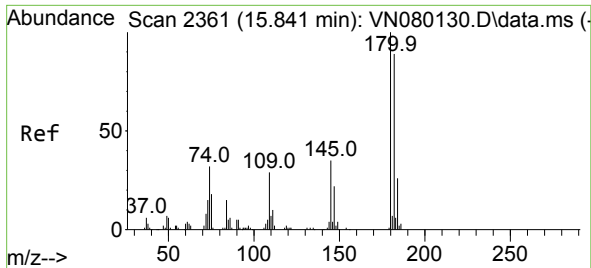
Ion Ratio Lower Upper

128 100

127 13.4 10.0 15.0

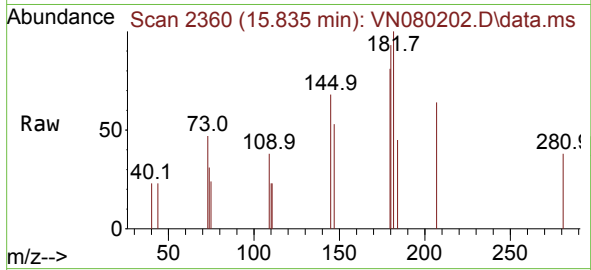
129 11.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.928 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN080202.D
 Acq: 20 Nov 2023 13:01

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2062
Ion	Ratio	Lower	Upper
180	100		
182	72.8	46.2	138.6
145	30.0	17.5	52.6

