

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111823\
 Data File : VN080181.D
 Acq On : 18 Nov 2023 13:19
 Operator : JC\MD
 Sample : VN1118WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 01:23:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

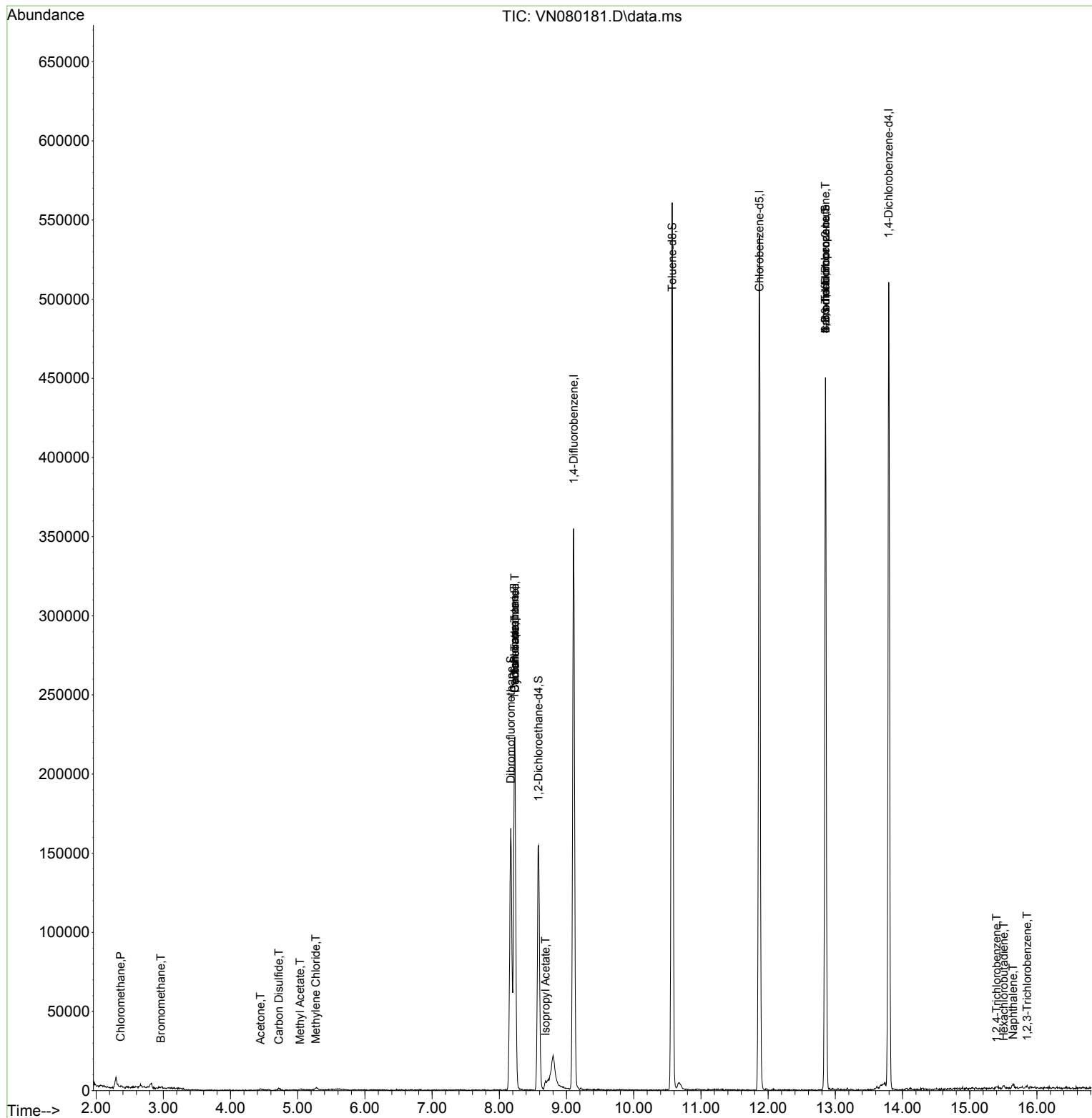
Internal Standards						
1) Pentafluorobenzene	8.230	168	156451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	291343	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	307361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	140305	54.313	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.620%	
35) Dibromofluoromethane	8.171	113	111428	51.834	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.660%	
50) Toluene-d8	10.571	98	384756	49.650	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.300%	
62) 4-Bromofluorobenzene	12.853	95	149192	50.970	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	547	0.312	ug/l #	42
5) Bromomethane	2.965	94	480	0.381	ug/l #	70
6) Chloroethane	3.136	64	456	Below Cal	#	43
16) Acetone	4.448	43	1020	1.176	ug/l #	40
17) Carbon Disulfide	4.718	76	1307	0.265	ug/l #	75
18) Methyl Acetate	5.036	43	1029	0.369	ug/l #	42
20) Methylene Chloride	5.271	84	1024	0.564	ug/l #	87
31) Cyclohexane	8.230	56	3329	1.185	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	12476	4.008	ug/l #	50
38) Carbon Tetrachloride	8.230	117	18028	4.564	ug/l #	16
43) Isopropyl Acetate	8.688	43	3567	0.849	ug/l #	49
71) Bromoform	12.853	173	763	0.381	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	82983	25.495	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	82983	86.138	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	651	0.249	ug/l #	72
94) Hexachlorobutadiene	15.506	225	358	0.238	ug/l #	70
95) Naphthalene	15.647	128	3125	0.413	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.853	180	514	0.210	ug/l #	61

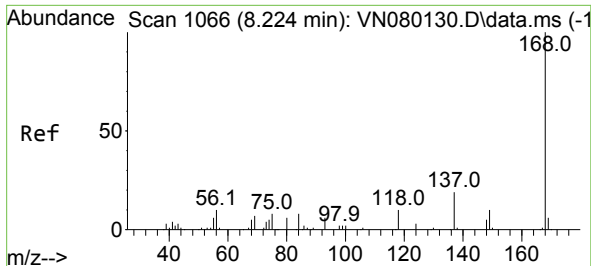
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 20 01:23:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

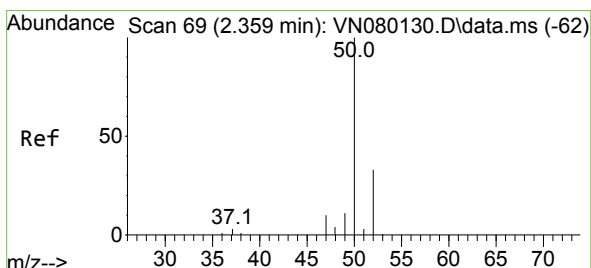
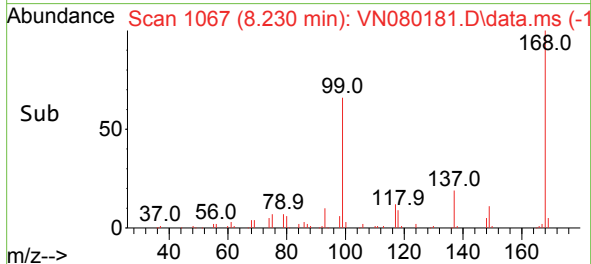
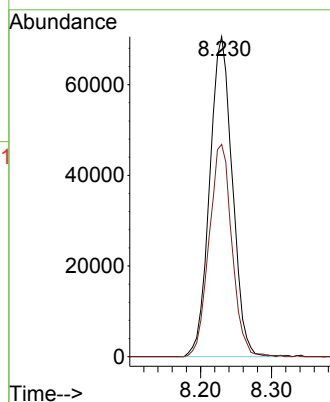
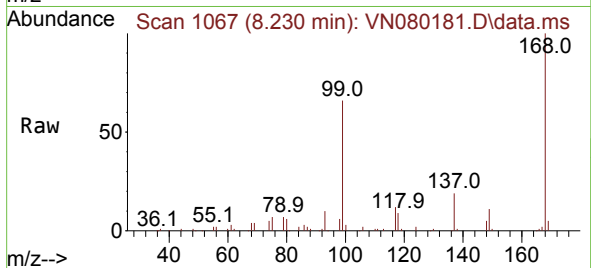




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

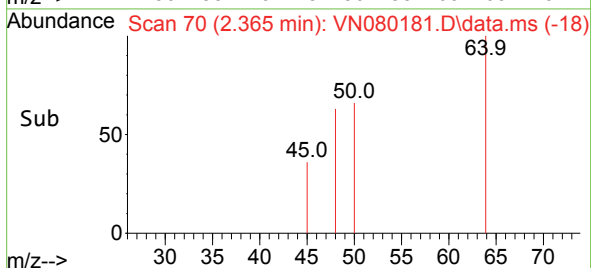
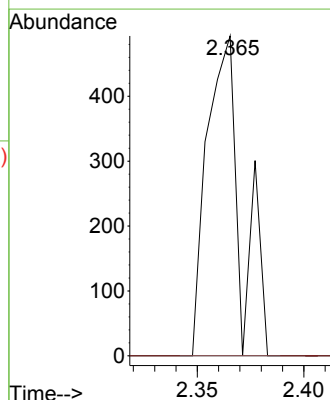
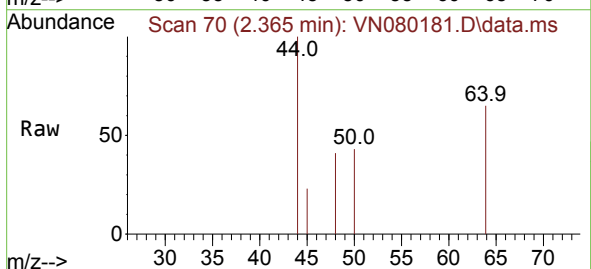
Instrument :
MSVOA_N
ClientSampleId :

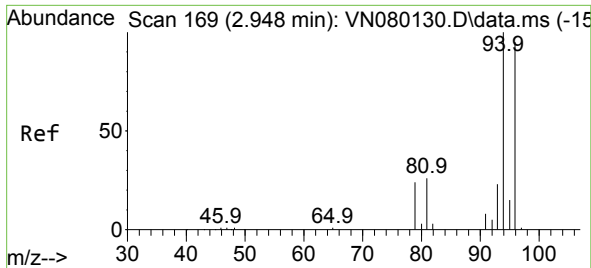
Tgt Ion:168 Resp: 156451
Ion Ratio Lower Upper
168 100
99 66.4 53.0 79.6



#3
Chloromethane
Concen: 0.312 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

Tgt Ion: 50 Resp: 547
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

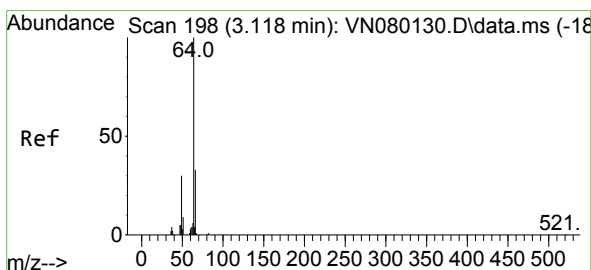
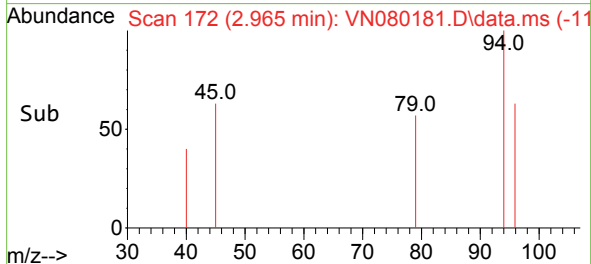
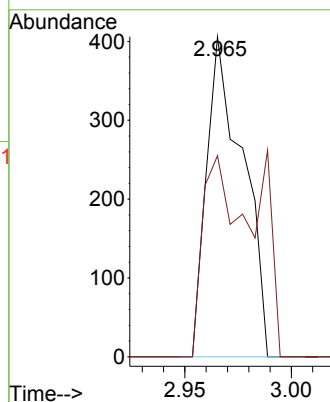
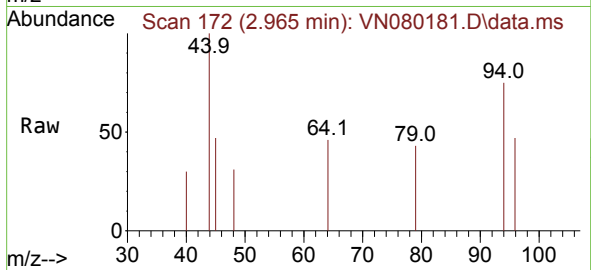




#5
Bromomethane
Concen: 0.381 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

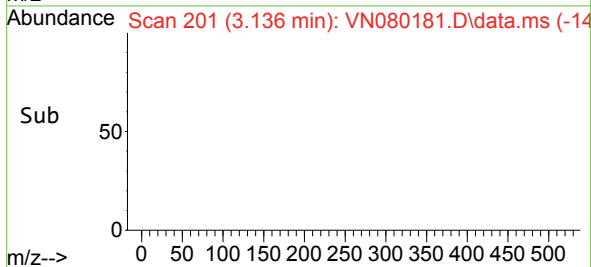
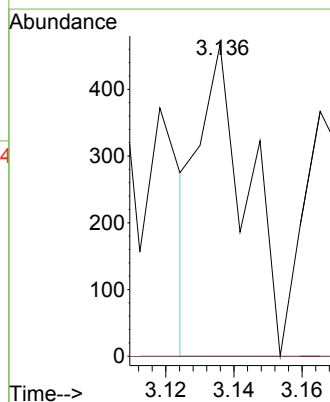
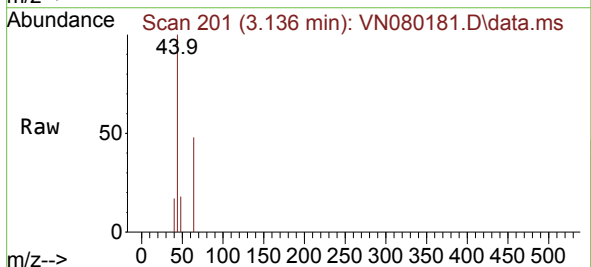
Instrument :
MSVOA_N
ClientSampleId :

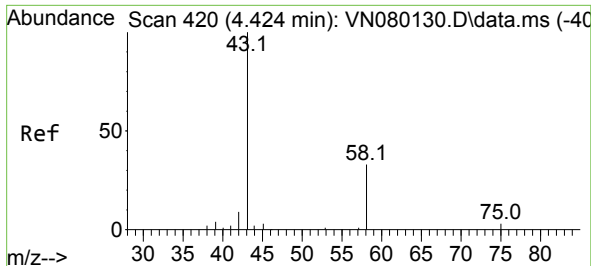
Tgt Ion: 94 Resp: 480
Ion Ratio Lower Upper
94 100
96 62.8 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

Tgt Ion: 64 Resp: 456
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

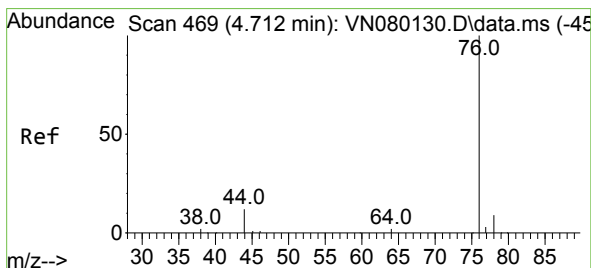
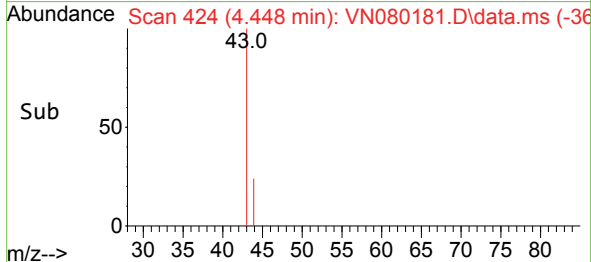
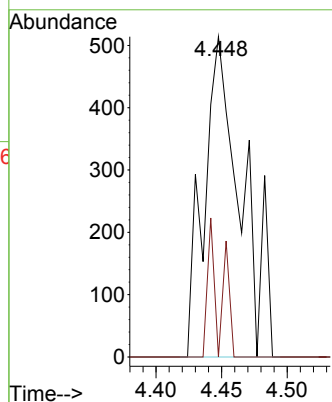
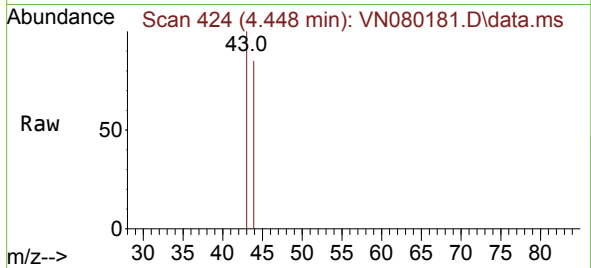




#16
Acetone
Concen: 1.176 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

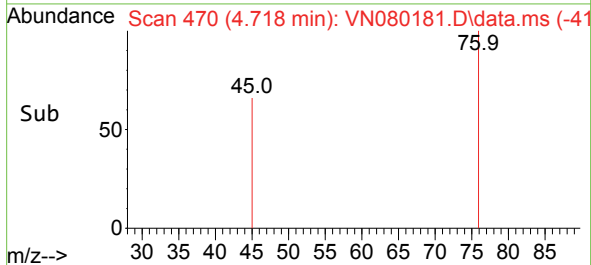
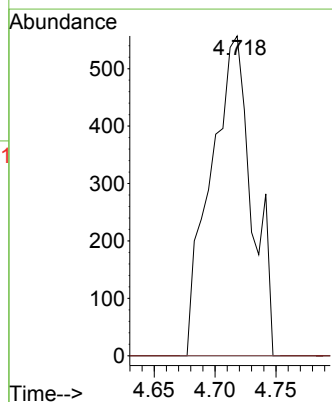
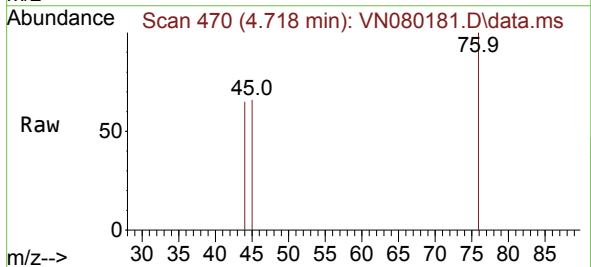
Instrument :
MSVOA_N
ClientSampleId :

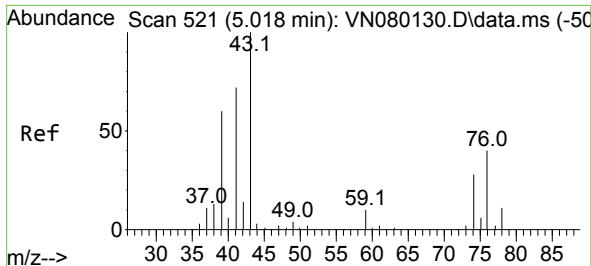
Tgt Ion: 43 Resp: 1020
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.265 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

Tgt Ion: 76 Resp: 1307
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

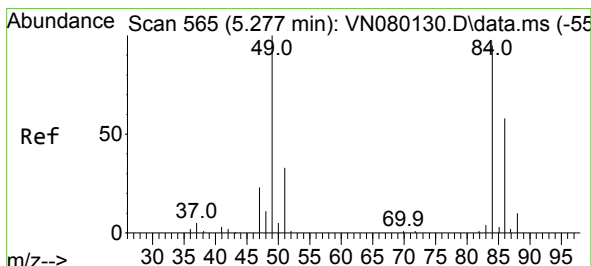
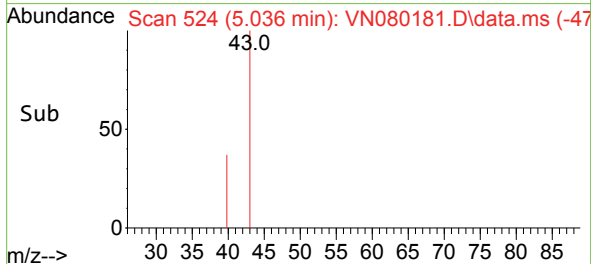
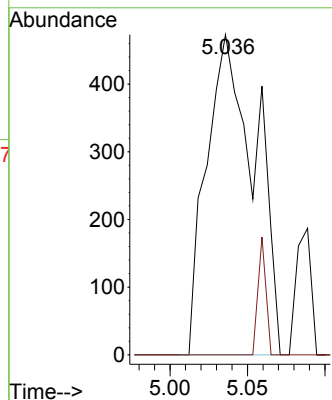
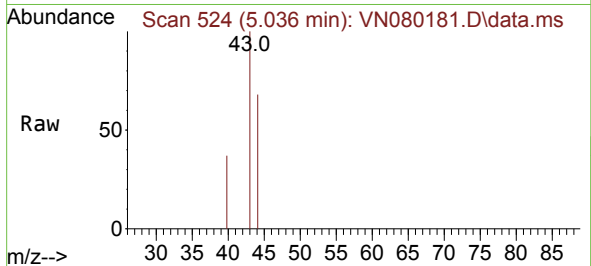




#18
Methyl Acetate
Concen: 0.369 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

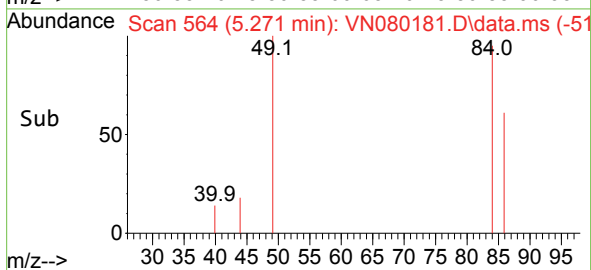
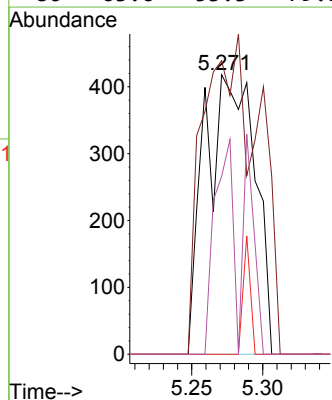
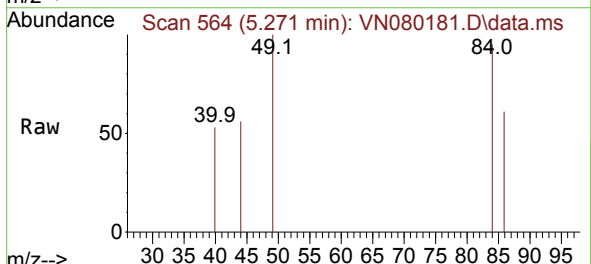
Instrument :
MSVOA_N
ClientSampleId :

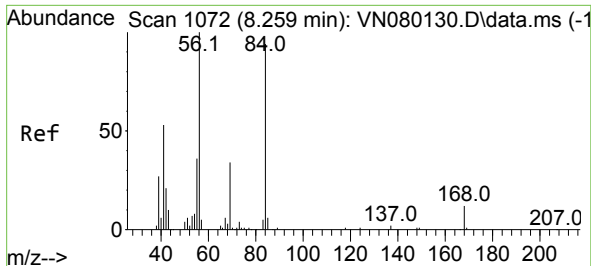
Tgt Ion: 43 Resp: 1029
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 0.564 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

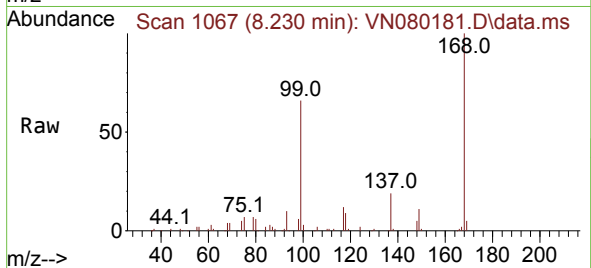
Tgt Ion: 84 Resp: 1024
Ion Ratio Lower Upper
84 100
49 105.0 79.7 119.5
51 0.0 25.2 37.8#
86 63.6 53.3 79.9



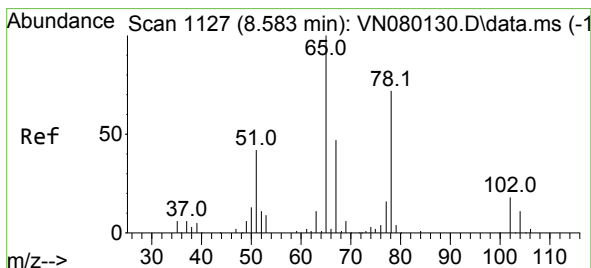
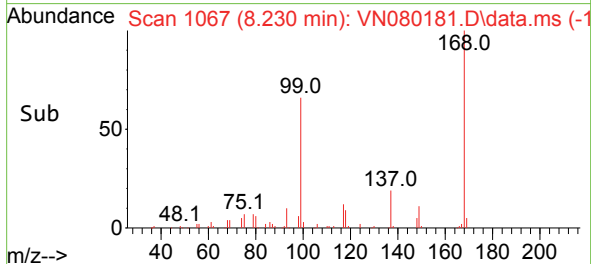
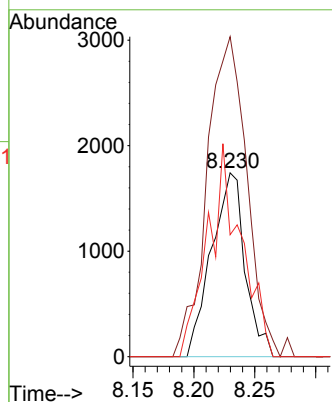


#31
Cyclohexane
Concen: 1.185 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

Instrument :
MSVOA_N
ClientSampleId :

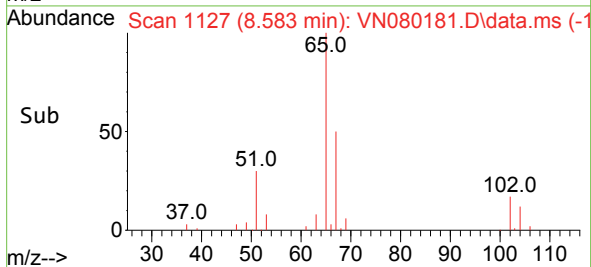
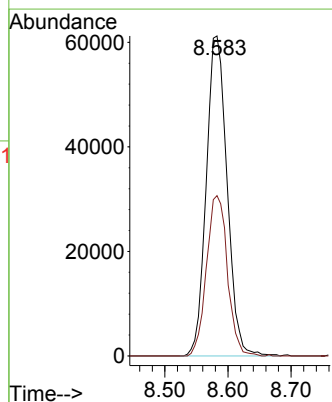
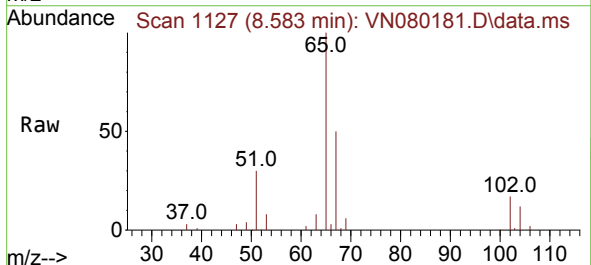


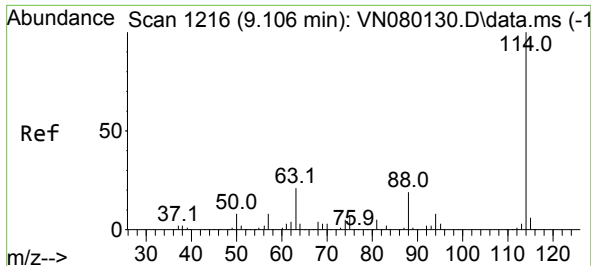
Tgt Ion: 56 Resp: 3329
Ion Ratio Lower Upper
56 100
69 174.1 26.8 40.2#
84 66.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 54.313 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

Tgt Ion: 65 Resp: 140305
Ion Ratio Lower Upper
65 100
67 50.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080181.D

Acq: 18 Nov 2023 13:19

Instrument :

MSVOA_N

ClientSampleId :

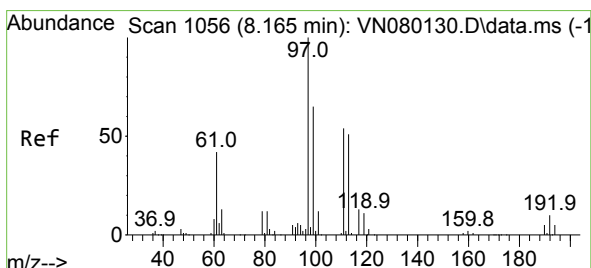
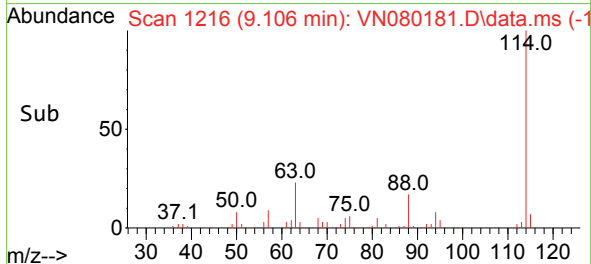
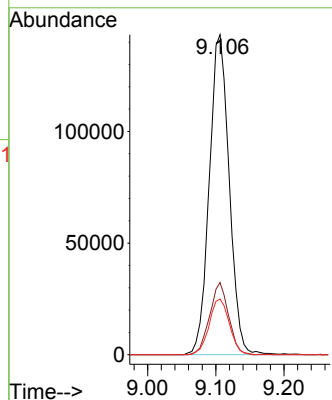
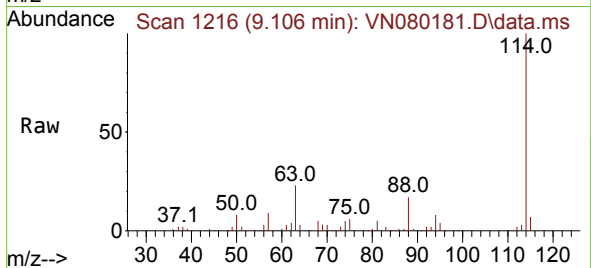
Tgt Ion:114 Resp: 291343

Ion Ratio Lower Upper

114 100

63 22.6 0.0 36.4

88 17.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.834 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080181.D

Acq: 18 Nov 2023 13:19

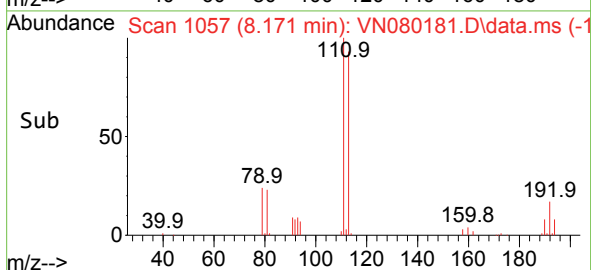
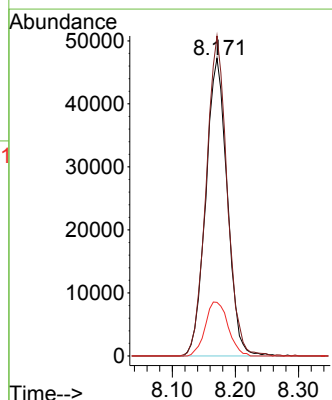
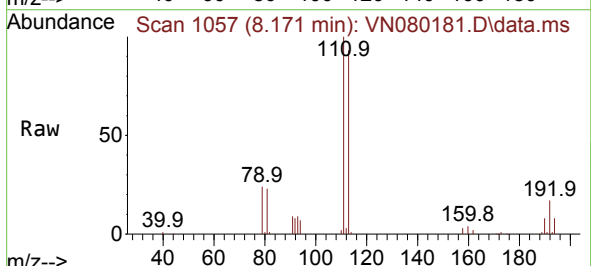
Tgt Ion:113 Resp: 111428

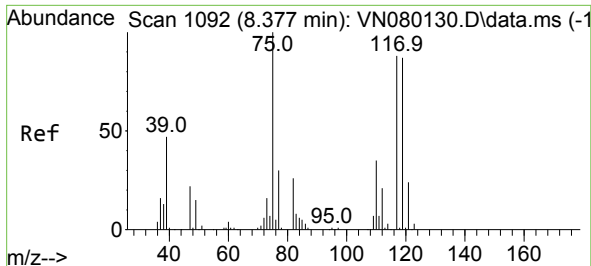
Ion Ratio Lower Upper

113 100

111 105.3 82.6 123.8

192 19.3 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.008 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

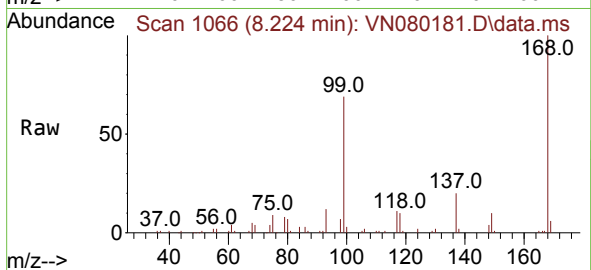
Lab File: VN080181.D

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Instrument :

MSVOA_N

ClientSampleId :



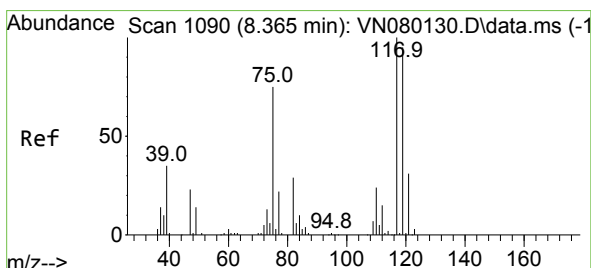
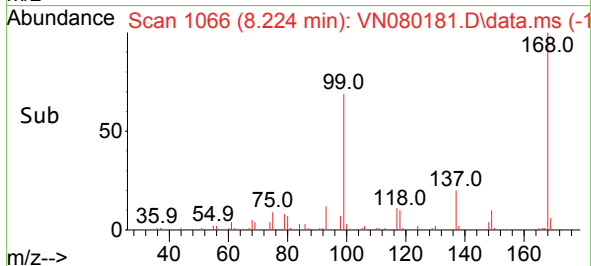
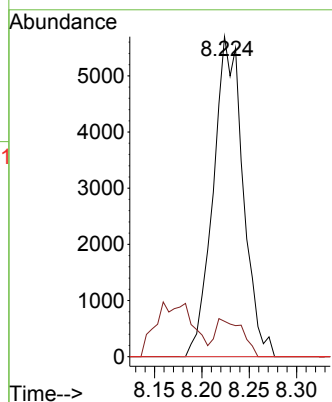
Tgt Ion: 75 Resp: 12476

Ion Ratio Lower Upper

75 100

110 10.8 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.564 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN080181.D

Acq: 18 Nov 2023 13:19

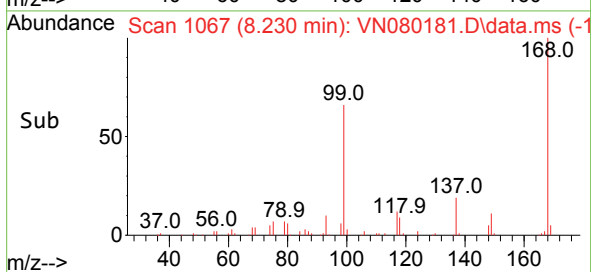
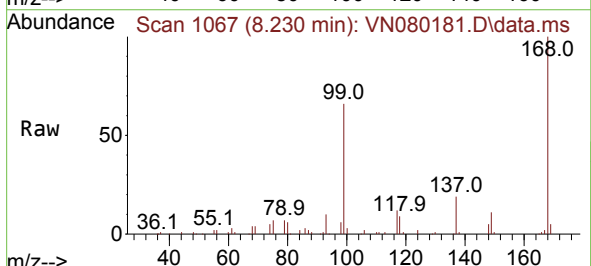
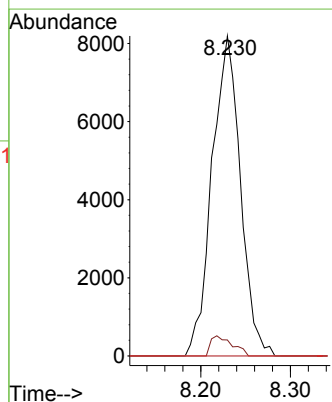
Tgt Ion: 117 Resp: 18028

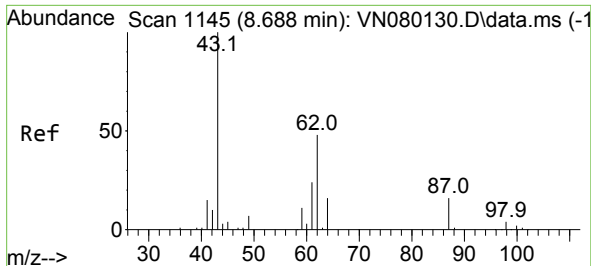
Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

121 0.0 23.3 34.9#

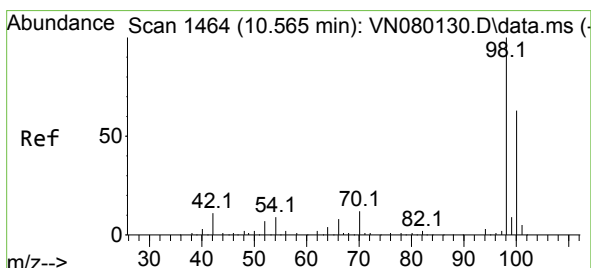
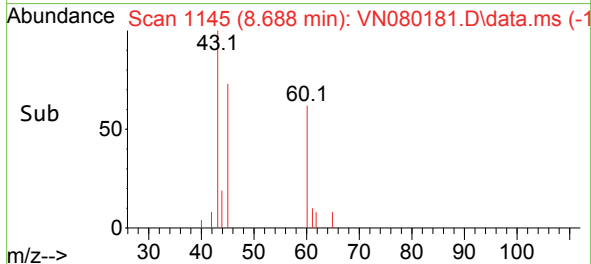
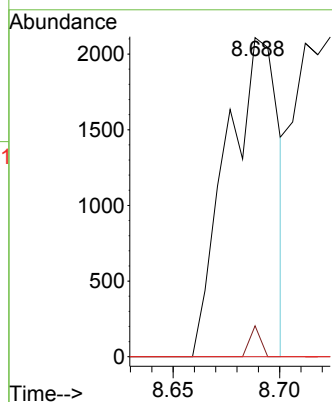
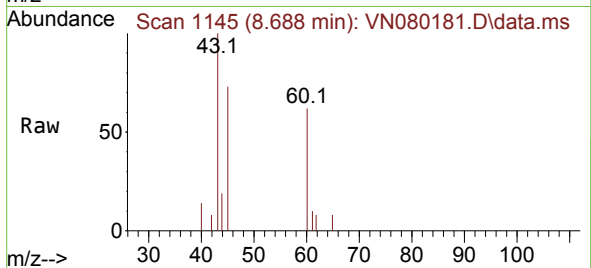




#43
Isopropyl Acetate
Concen: 0.849 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

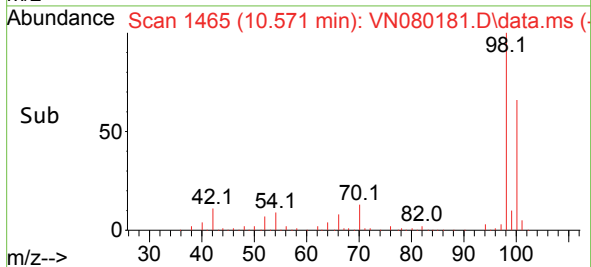
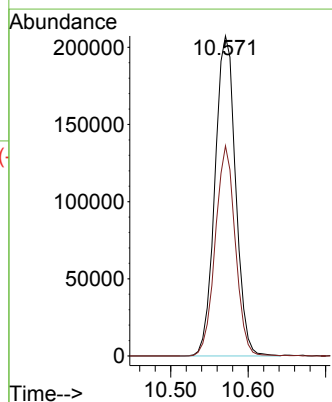
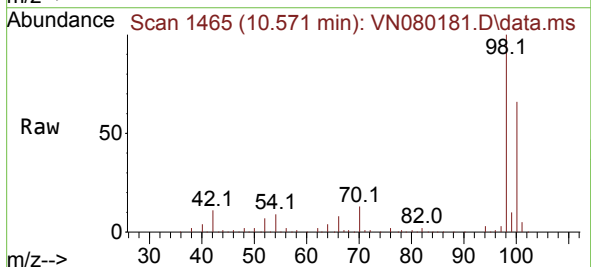
Instrument :
MSVOA_N
ClientSampleId :

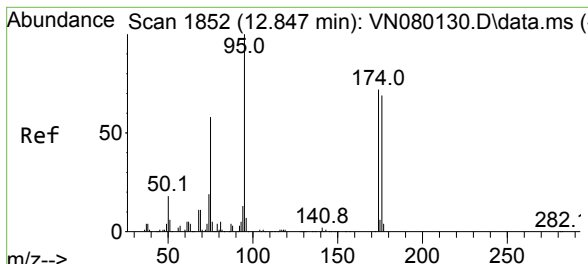
Tgt Ion: 43 Resp: 3567
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.650 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

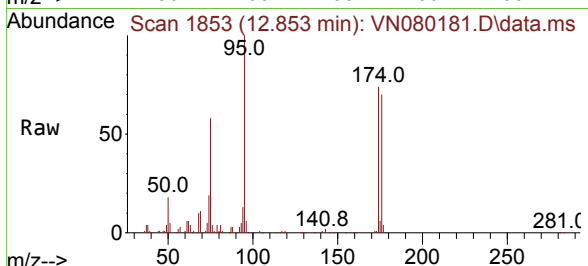
Tgt Ion: 98 Resp: 384756
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



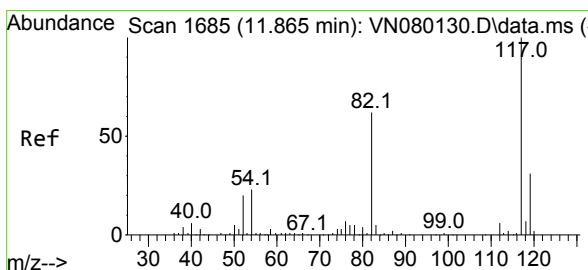
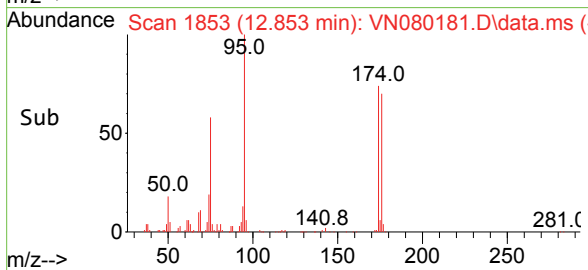
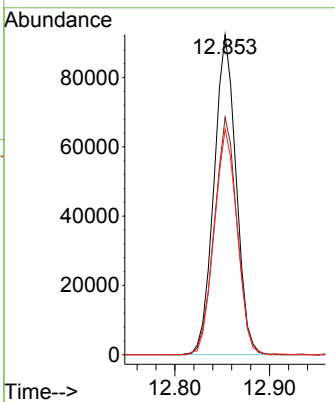


#62
 4-Bromofluorobenzene
 Concen: 50.970 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN080181.D
 Acq: 18 Nov 2023 13:19

Instrument :
 MSVOA_N
 ClientSampleId :

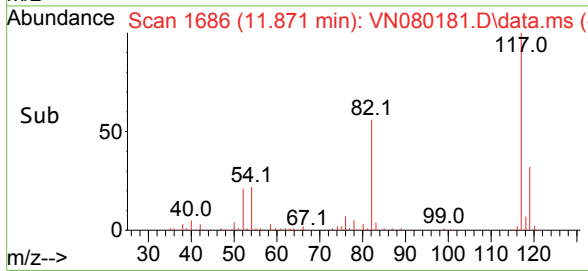
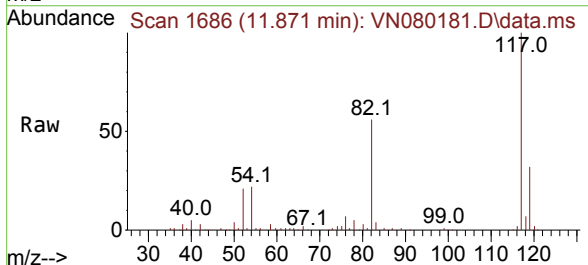
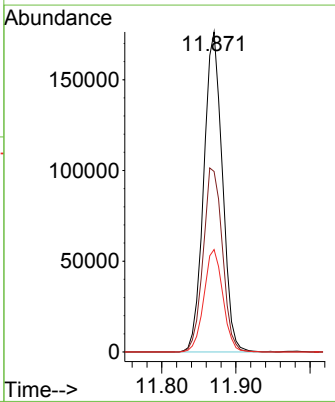


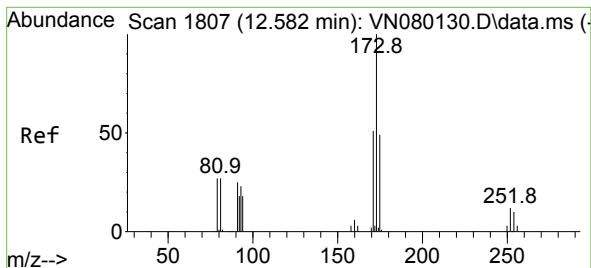
Tgt Ion:	95	Resp:	149192
Ion Ratio	Lower	Upper	
95	100		
174	76.7	0.0	143.8
176	73.2	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN080181.D
 Acq: 18 Nov 2023 13:19

Tgt Ion:	117	Resp:	307361
Ion Ratio	Lower	Upper	
117	100		
82	56.4	44.0	66.0
119	32.0	25.6	38.4





#71

Bromoform

Concen: 0.381 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

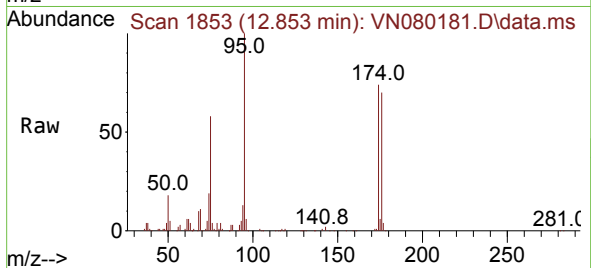
Lab File: VN080181.D

Acq: 18 Nov 2023 13:19

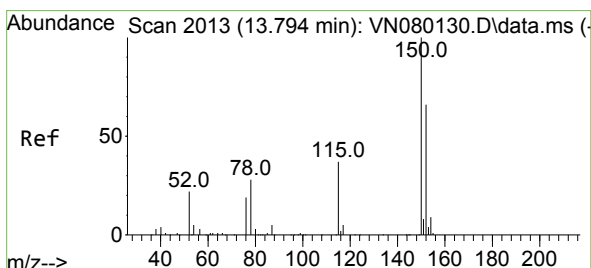
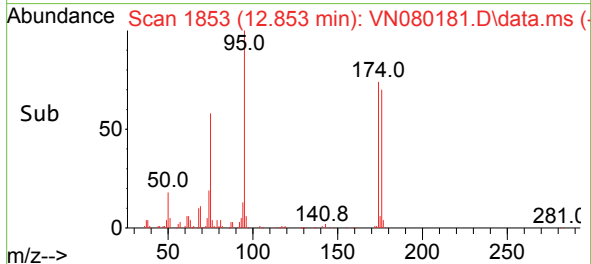
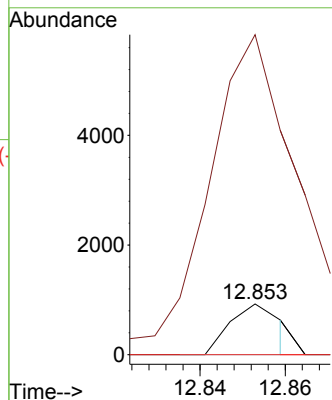
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	763
Ion Ratio	Lower	Upper	
173	100		
175	894.8	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

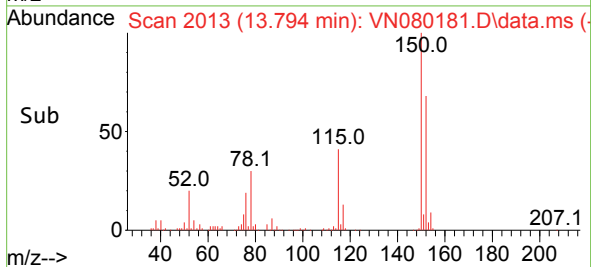
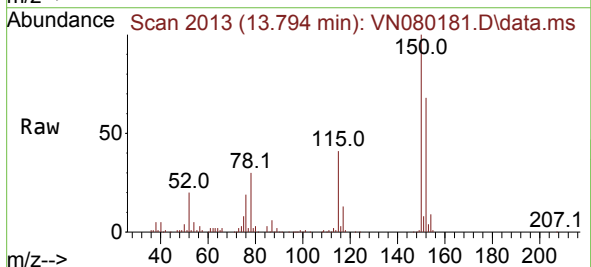
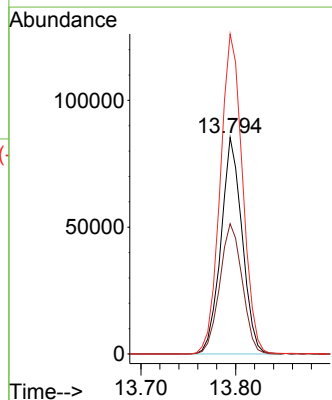
RT: 13.794 min Scan# 2013

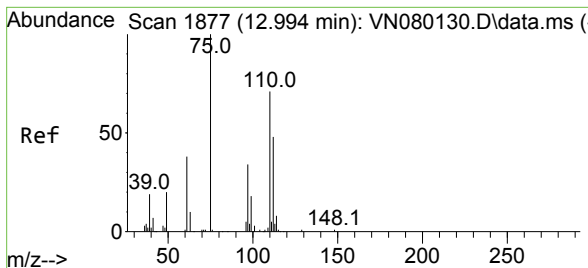
Delta R.T. 0.000 min

Lab File: VN080181.D

Acq: 18 Nov 2023 13:19

Tgt Ion:	152	Resp:	132841
Ion Ratio	Lower	Upper	
152	100		
115	63.8	32.3	96.8
150	155.7	0.0	355.8

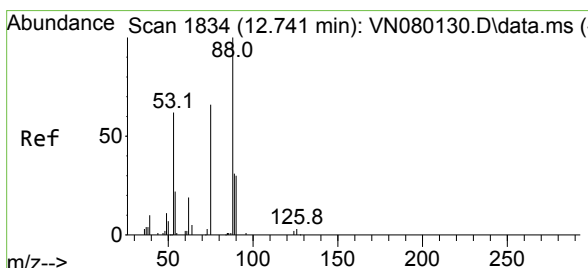
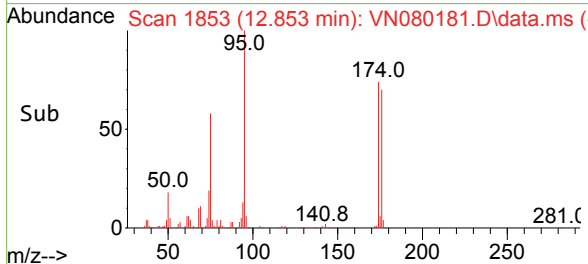
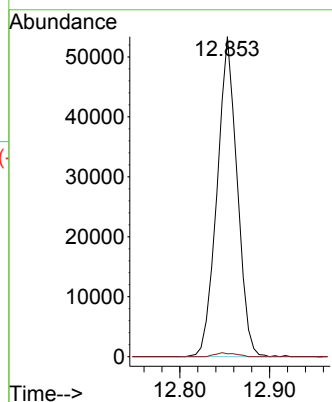
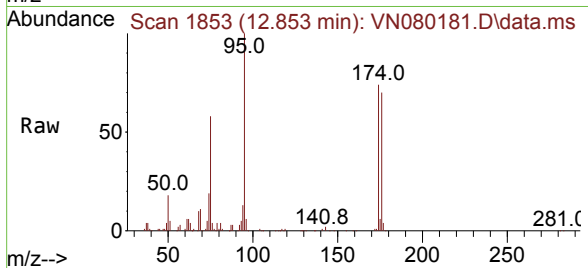




#76
1,2,3-Trichloropropane
Concen: 25.495 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

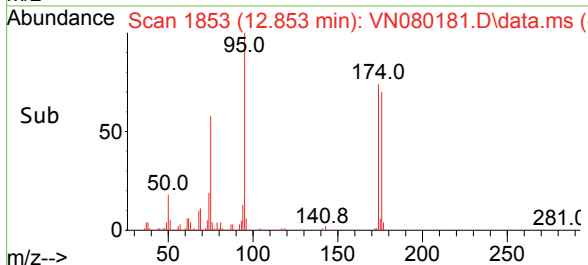
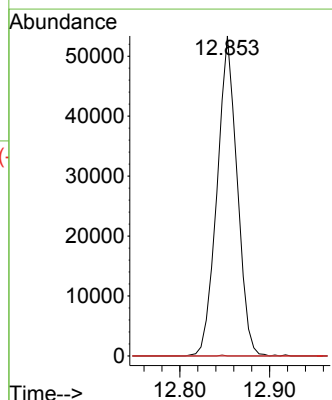
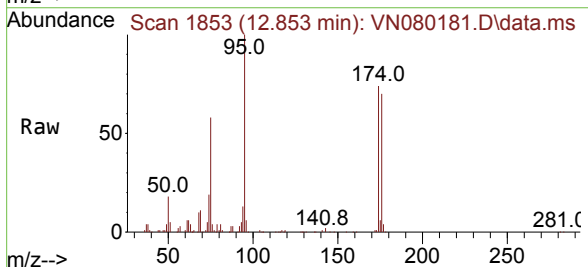
Instrument :
MSVOA_N
ClientSampleId :

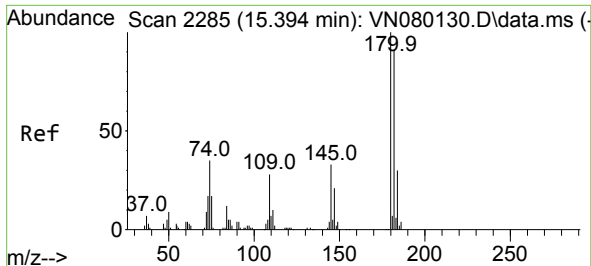
Tgt Ion: 75 Resp: 82983
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.138 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

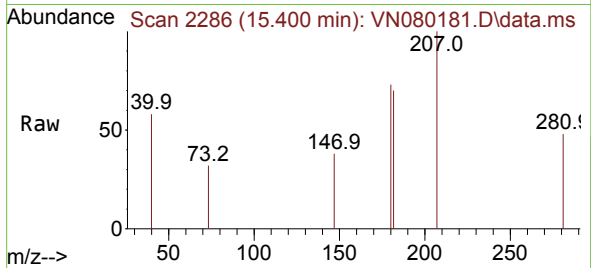
Tgt Ion: 75 Resp: 82983
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



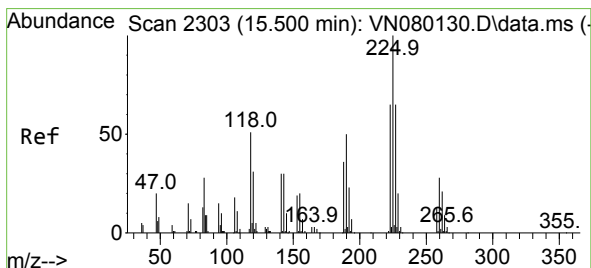
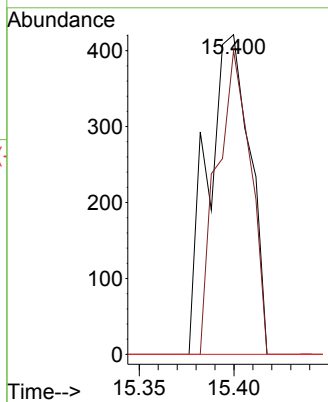
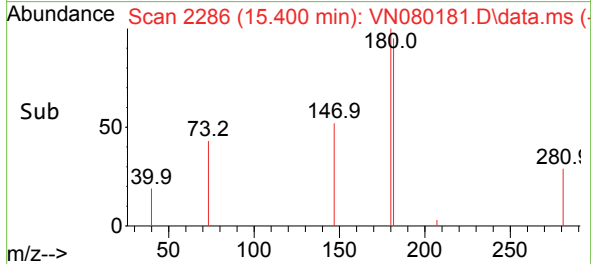


#93
1,2,4-Trichlorobenzene
Concen: 0.249 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

Instrument :
MSVOA_N
ClientSampleId :

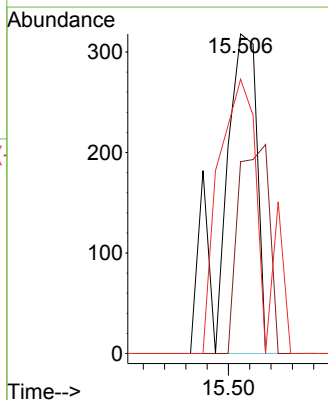
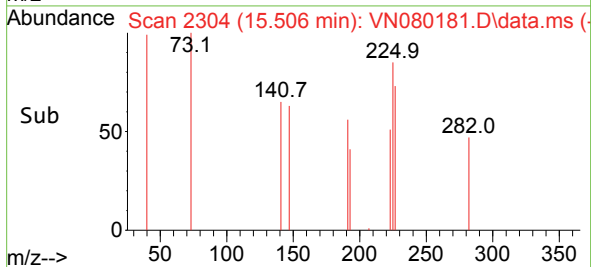
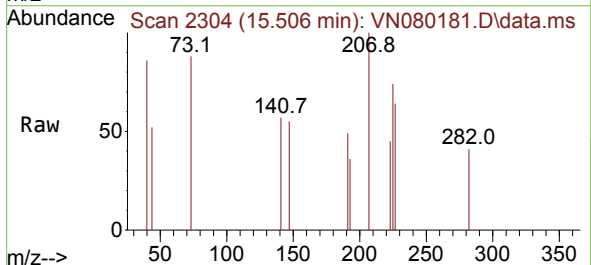


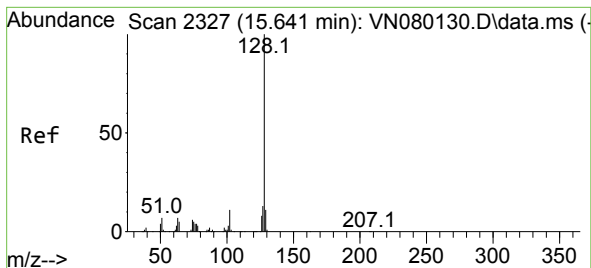
Tgt Ion:180 Resp: 651
Ion Ratio Lower Upper
180 100
182 76.0 46.1 138.2
145 0.0 16.6 49.8#



#94
Hexachlorobutadiene
Concen: 0.238 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN080181.D
Acq: 18 Nov 2023 13:19

Tgt Ion:225 Resp: 358
Ion Ratio Lower Upper
225 100
223 58.4 31.3 93.8
227 105.6 31.9 95.9#





#95

Naphthalene

Concen: 0.413 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN080181.D

Acq: 18 Nov 2023 13:19

Instrument :

MSVOA_N

ClientSampleId :

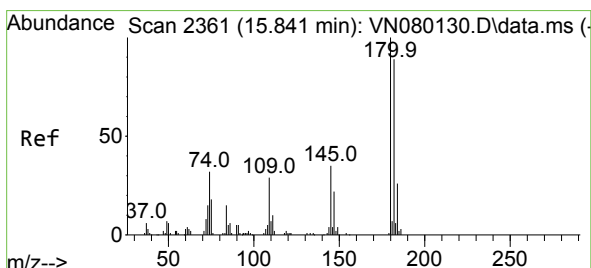
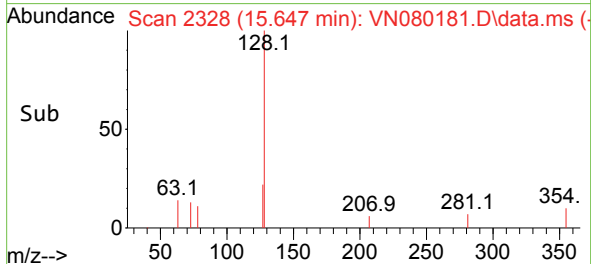
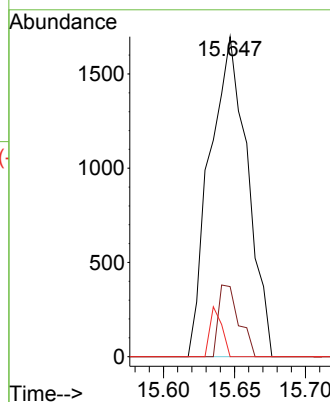
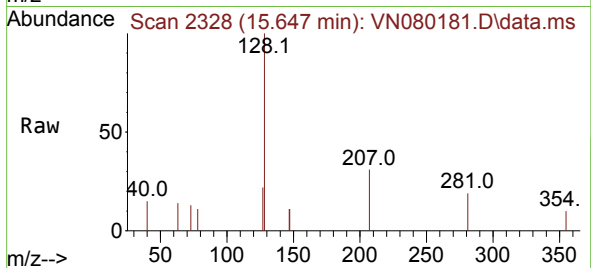
Tgt Ion:128 Resp: 3125

Ion Ratio Lower Upper

128 100

127 12.1 10.0 15.0

129 4.9 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.210 ug/l

RT: 15.853 min Scan# 2363

Delta R.T. 0.012 min

Lab File: VN080181.D

Acq: 18 Nov 2023 13:19

Tgt Ion:180 Resp: 514

Ion Ratio Lower Upper

180 100

182 129.0 46.2 138.6

145 10.9 17.5 52.6#

