

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
 Data File : VN080356.D
 Acq On : 05 Dec 2023 11:04
 Operator : JC\MD
 Sample : VN1205WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 00:47:42 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	165307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	305258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	329518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142929	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152440	55.849	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.700%
35) Dibromofluoromethane	8.165	113	121221	53.819	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.640%
50) Toluene-d8	10.571	98	408463	50.307	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.620%
62) 4-Bromofluorobenzene	12.853	95	157649	51.404	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.800%

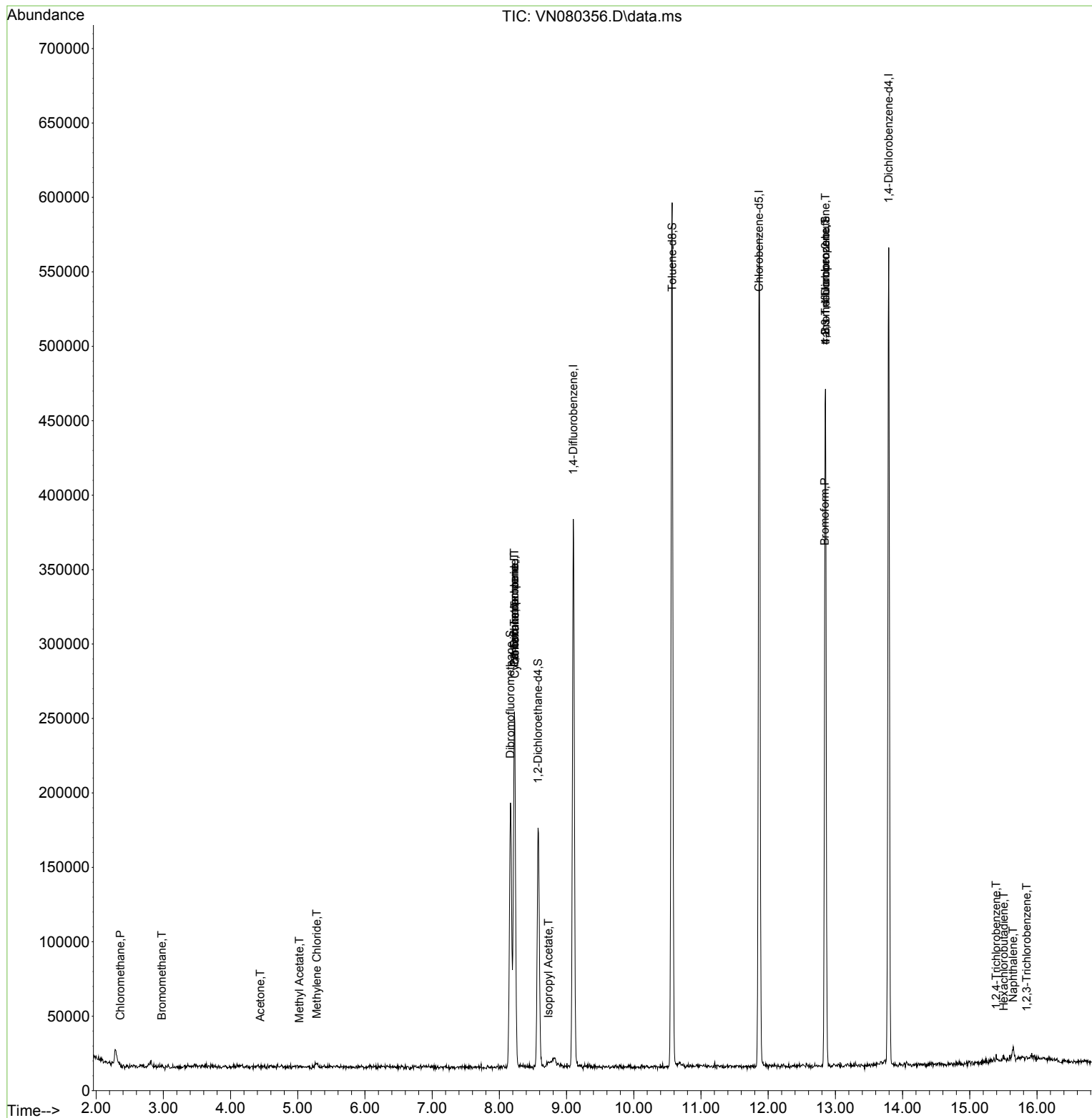
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	648	0.350	ug/l	# 42
5) Bromomethane	2.977	94	532	0.400	ug/l	84
6) Chloroethane	3.118	64	589	Below Cal		# 43
16) Acetone	4.442	43	413	0.450	ug/l	# 40
18) Methyl Acetate	5.024	43	597	0.203	ug/l	94
20) Methylene Chloride	5.283	84	1619	0.843	ug/l	# 74
31) Cyclohexane	8.229	56	3468	1.168	ug/l	# 18
36) 1,1-Dichloropropene	8.224	75	12854	3.942	ug/l	# 50
38) Carbon Tetrachloride	8.224	117	19567	4.728	ug/l	# 16
43) Isopropyl Acetate	8.729	43	3073	0.698	ug/l	# 49
71) Bromoform	12.841	173	435	0.202	ug/l	# 28
76) 1,2,3-Trichloropropane	12.853	75	89561	25.574	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	89561	86.405	ug/l	# 15
93) 1,2,4-Trichlorobenzene	15.394	180	653	0.233	ug/l	# 73
94) Hexachlorobutadiene	15.506	225	722	0.447	ug/l	# 75
95) Naphthalene	15.647	128	6665	0.819	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	745	0.283	ug/l	# 48

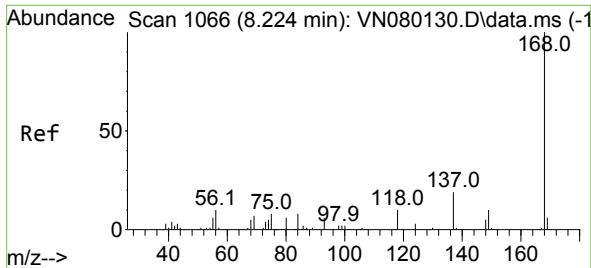
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
Data File : VN080356.D
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 06 00:47:42 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

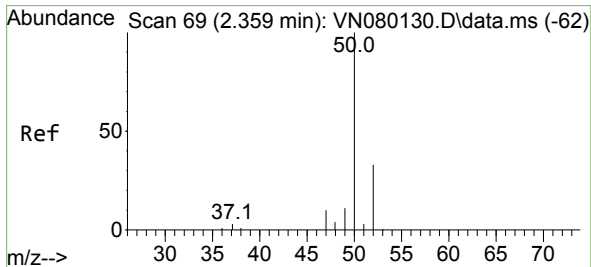
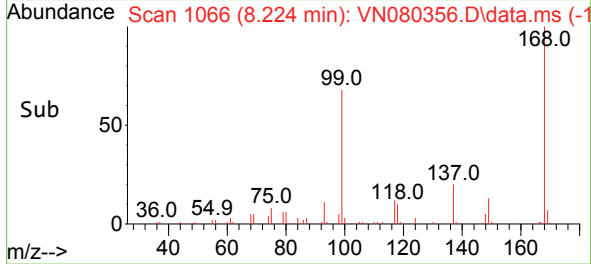
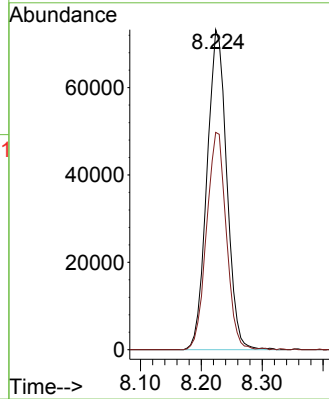
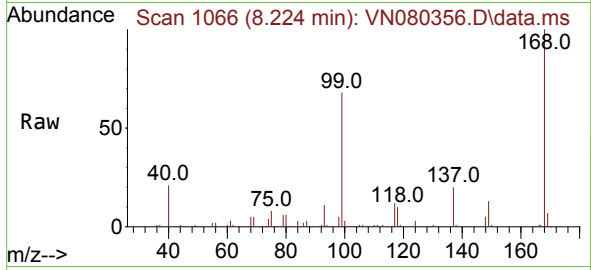




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

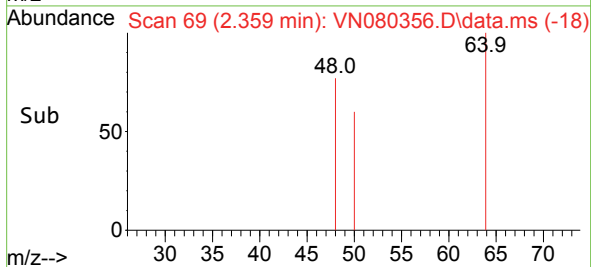
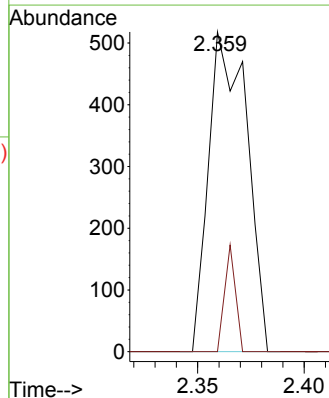
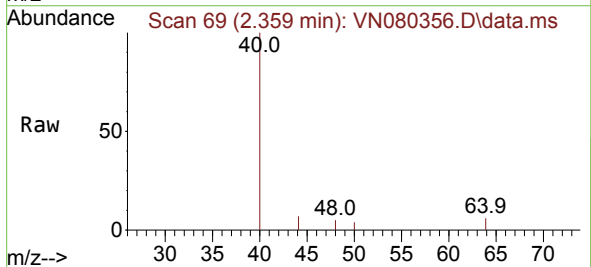
Instrument :
MSVOA_N
ClientSampleId :

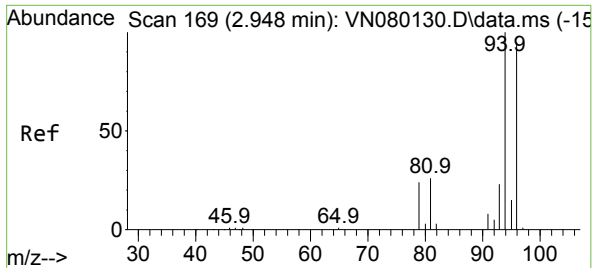
Tgt Ion:168 Resp: 165307
Ion Ratio Lower Upper
168 100
99 67.9 53.0 79.6



#3
Chloromethane
Concen: 0.350 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

Tgt Ion: 50 Resp: 648
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

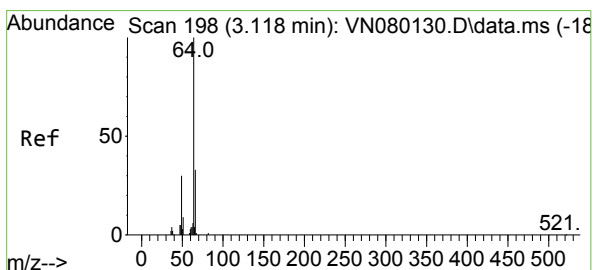
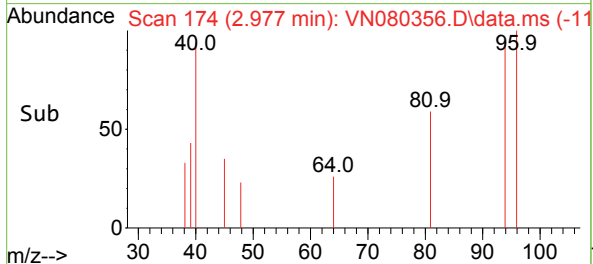
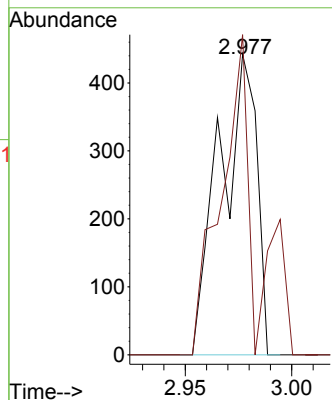
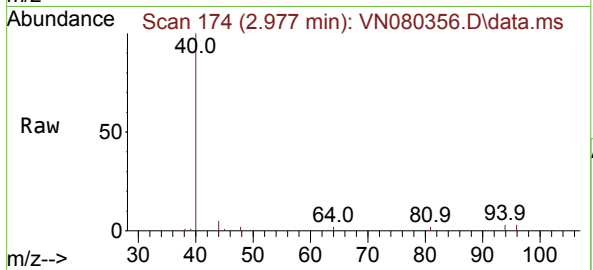




#5
Bromomethane
Concen: 0.400 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

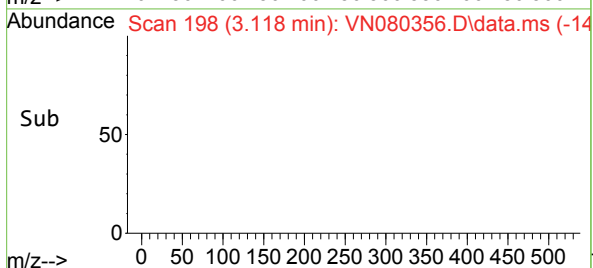
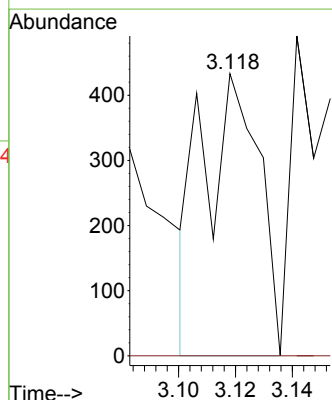
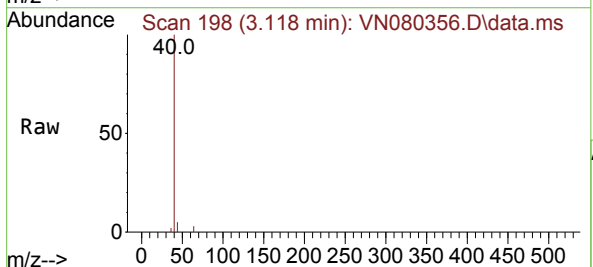
Instrument :
MSVOA_N
ClientSampleId :

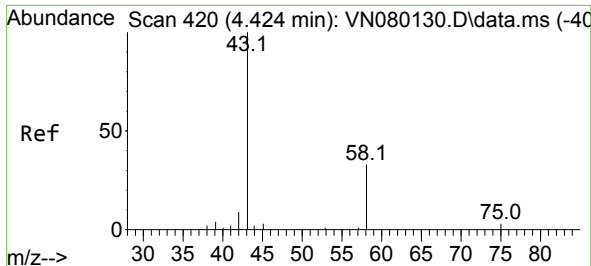
Tgt Ion: 94 Resp: 532
Ion Ratio Lower Upper
94 100
96 106.6 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

Tgt Ion: 64 Resp: 589
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

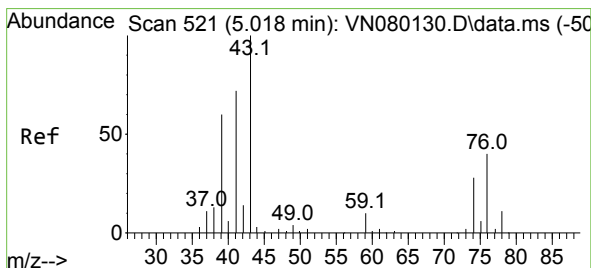
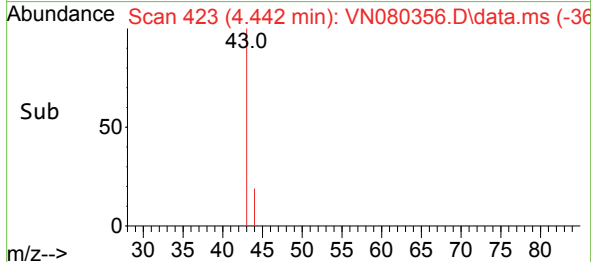
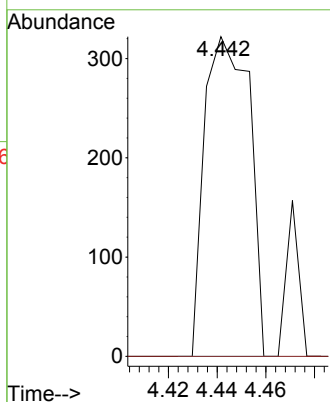
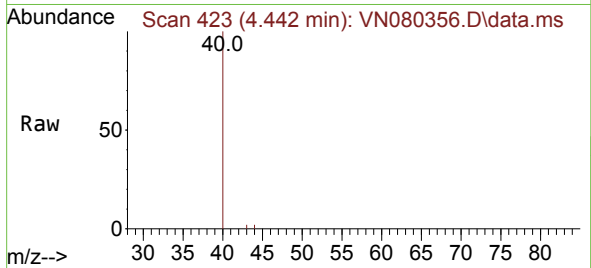




#16
Acetone
Concen: 0.450 ug/l
RT: 4.442 min Scan# 413
Delta R.T. 0.018 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

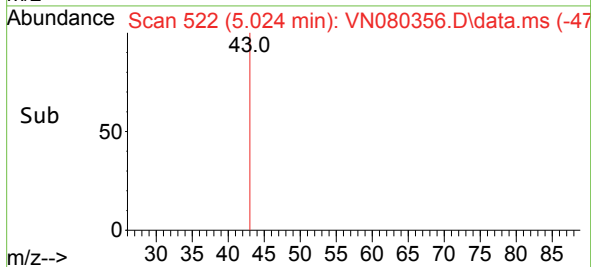
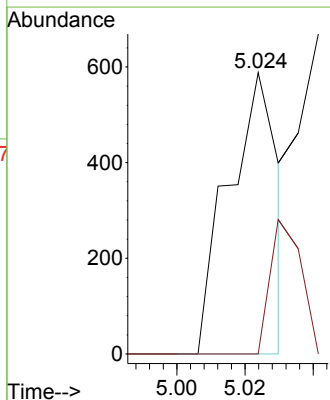
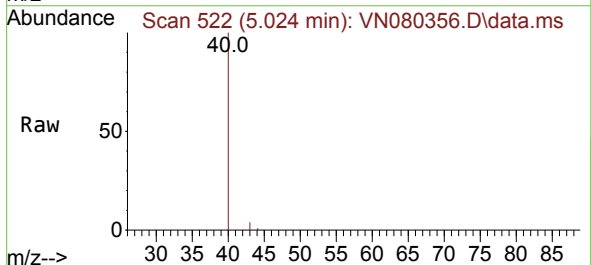
Instrument :
MSVOA_N
ClientSampleId :

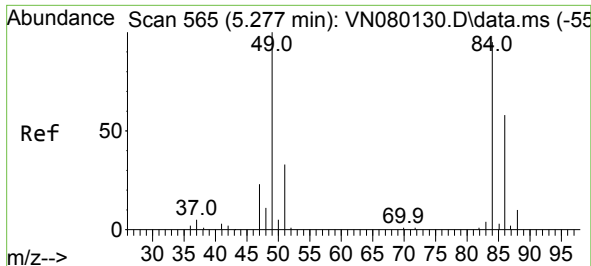
Tgt Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.203 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

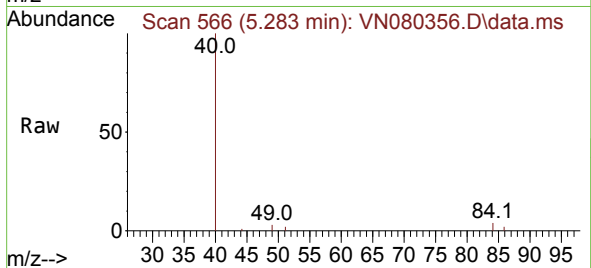
Tgt Ion: 43 Resp: 597
Ion Ratio Lower Upper
43 100
74 29.6 26.2 39.4





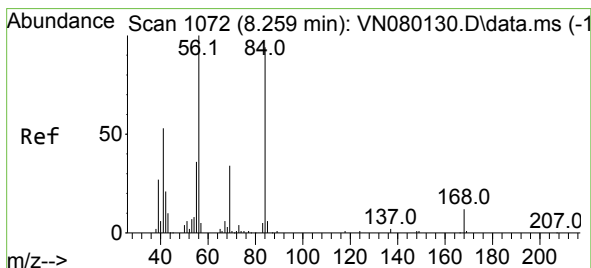
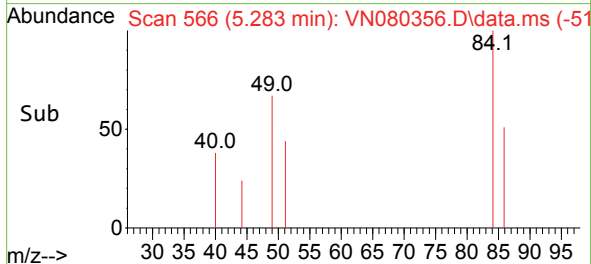
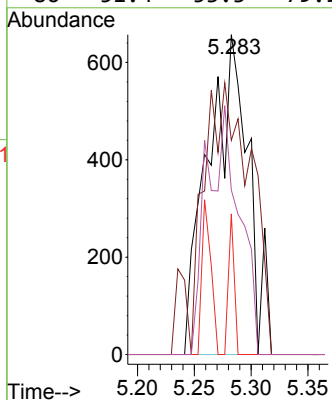
#20
Methylene Chloride
Concen: 0.843 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1619

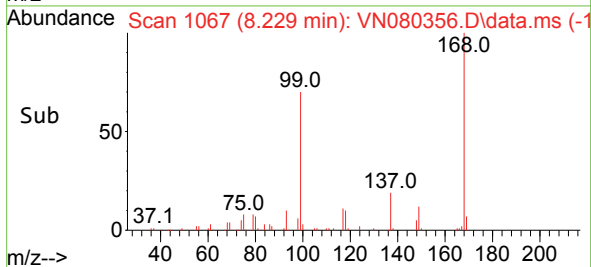
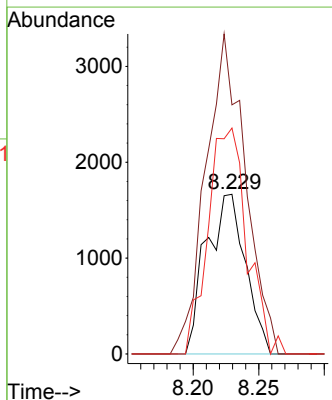
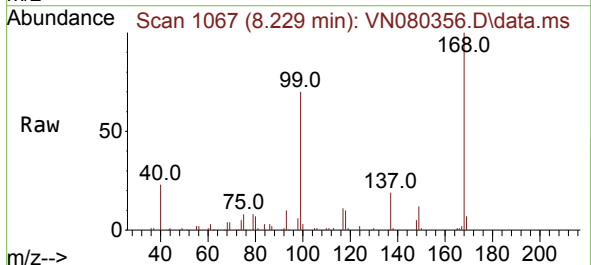
Ion	Ratio	Lower	Upper
84	100		
49	67.0	79.7	119.5#
51	44.0	25.2	37.8#
86	51.4	53.3	79.9#

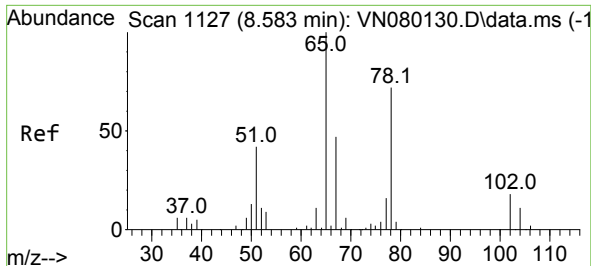


#31
Cyclohexane
Concen: 1.168 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

Tgt Ion: 56 Resp: 3468

Ion	Ratio	Lower	Upper
56	100		
69	155.9	26.8	40.2#
84	141.5	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 55.849 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080356.D

Acq: 05 Dec 2023 11:04

Instrument :

MSVOA_N

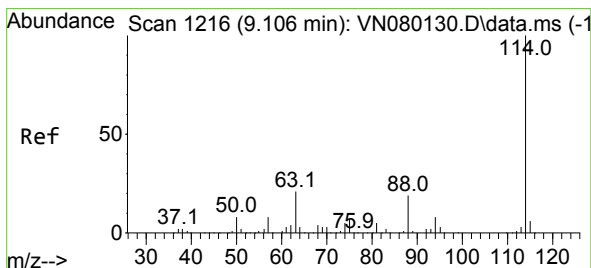
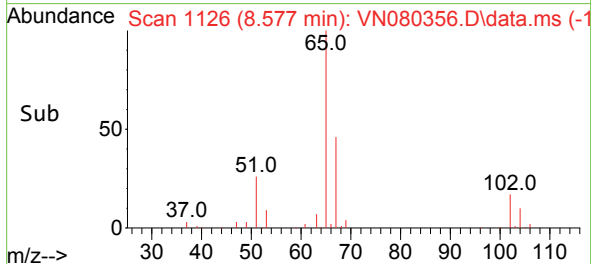
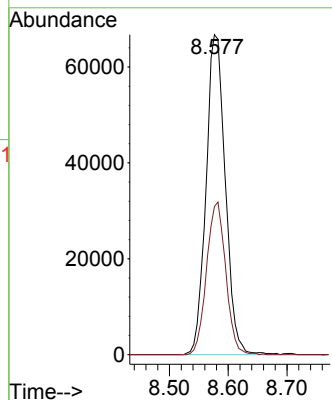
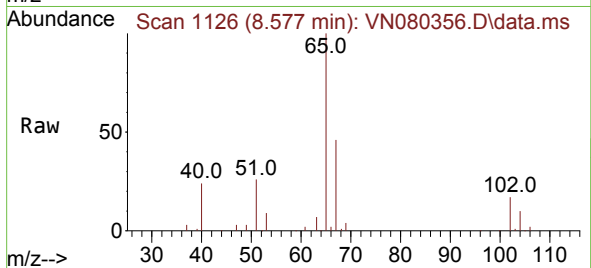
ClientSampleId :

Tgt Ion: 65 Resp: 152440

Ion Ratio Lower Upper

65 100

67 47.4 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: VN080356.D

Acq: 05 Dec 2023 11:04

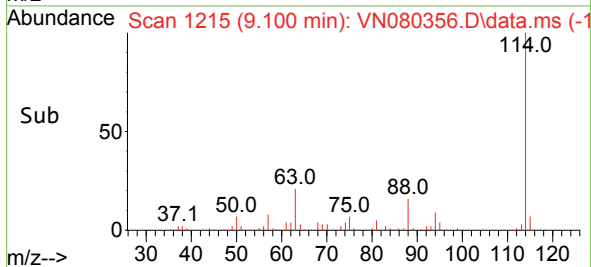
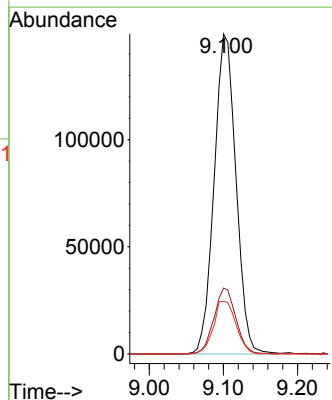
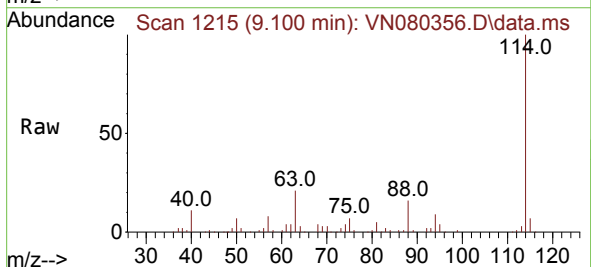
Tgt Ion: 114 Resp: 305258

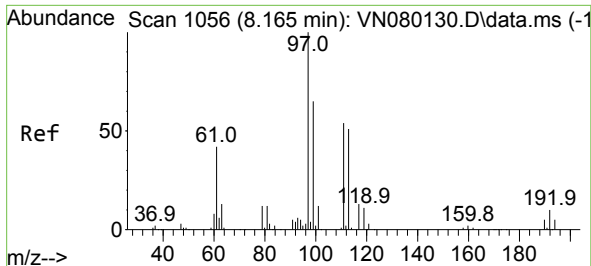
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

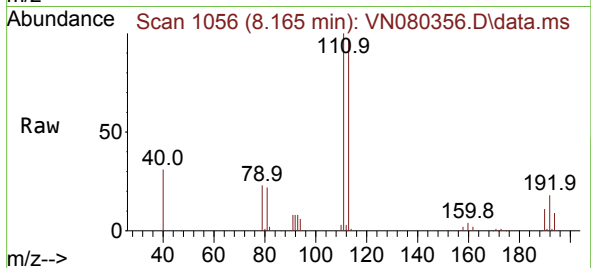
88 16.5 0.0 30.6



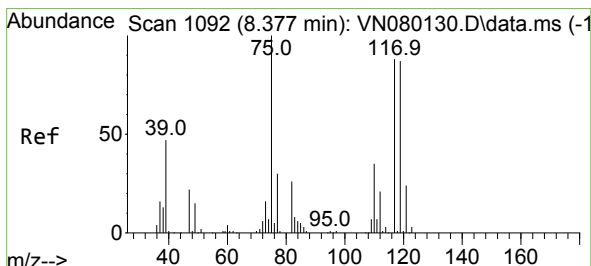
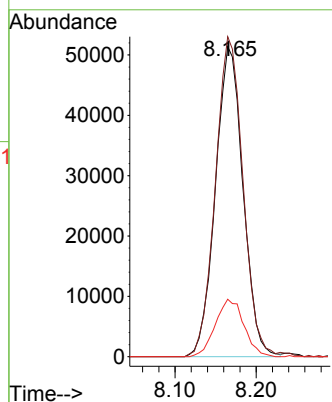
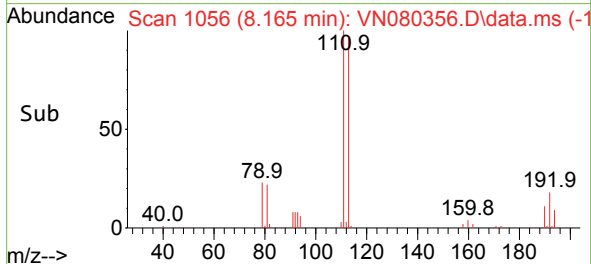


#35
 Dibromofluoromethane
 Concen: 53.819 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VN080356.D
 Acq: 05 Dec 2023 11:04

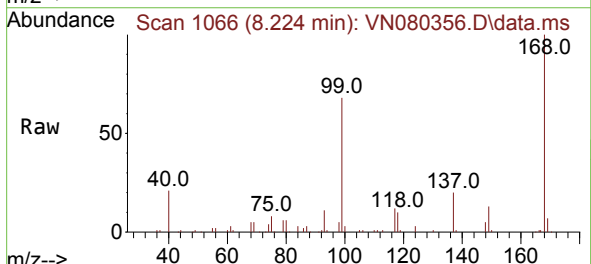
Instrument :
 MSVOA_N
 ClientSampleId :



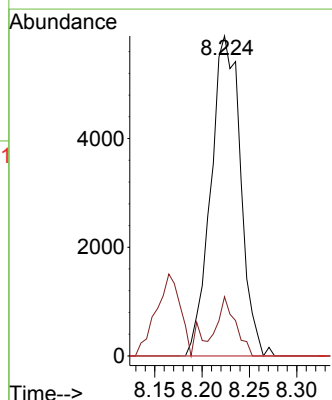
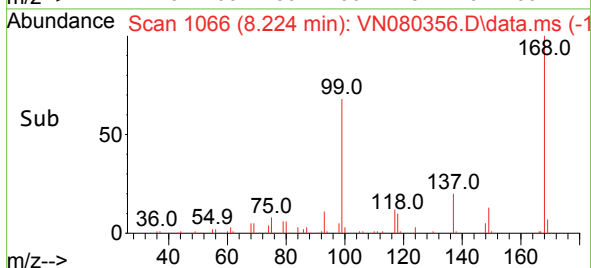
Tgt Ion:113 Resp: 121221
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.6 123.8
 192 19.2 12.7 19.1#

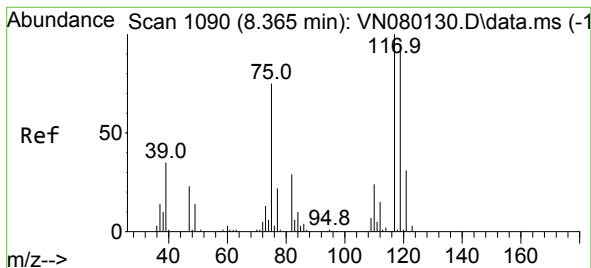


#36
 1,1-Dichloropropene
 Concen: 3.942 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.153 min
 Lab File: VN080356.D
 Acq: 05 Dec 2023 11:04



Tgt Ion: 75 Resp: 12854
 Ion Ratio Lower Upper
 75 100
 110 11.3 19.1 57.3#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.728 ug/l

RT: 8.224 min Scan# 1105

Delta R.T. -0.141 min

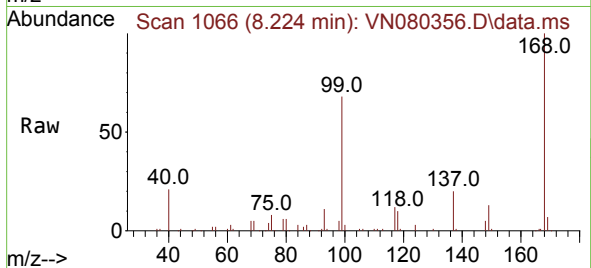
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Acq: 05 Dec 2023 11:04

Instrument :

MSVOA_N

ClientSampleId :



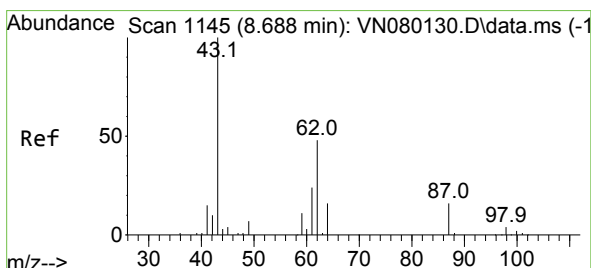
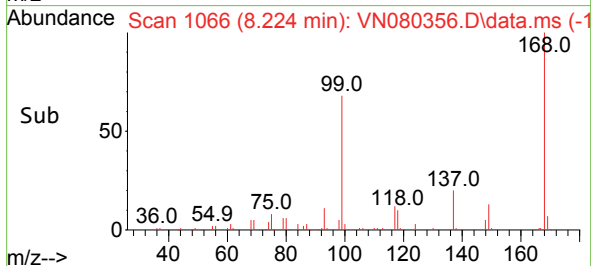
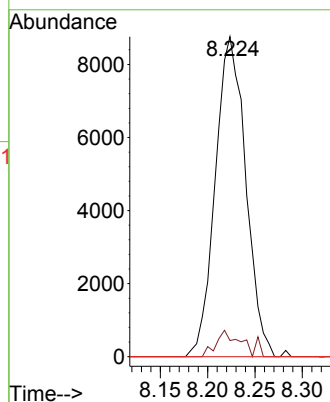
Tgt Ion:117 Resp: 19567

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.698 ug/l

RT: 8.729 min Scan# 1152

Delta R.T. 0.041 min

Lab File: VN080356.D

Acq: 05 Dec 2023 11:04

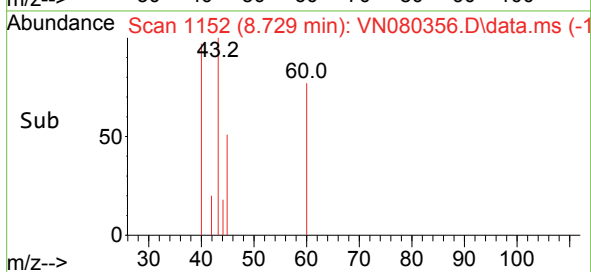
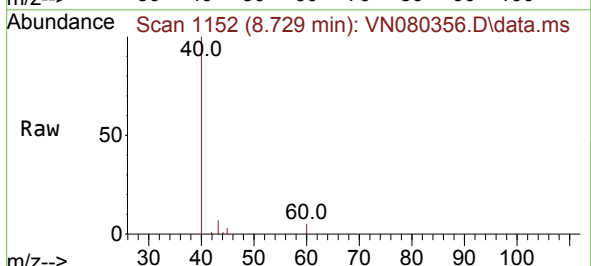
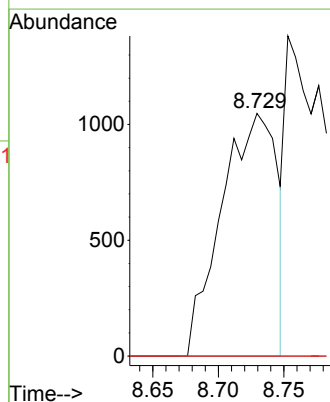
Tgt Ion: 43 Resp: 3073

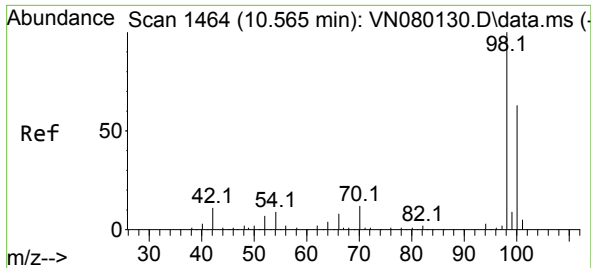
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

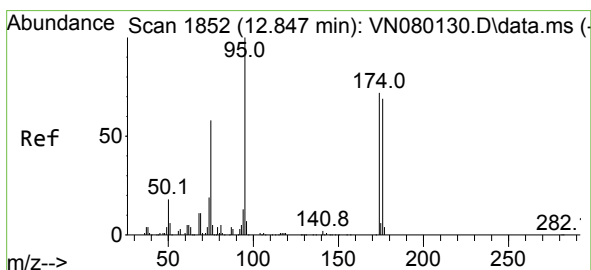
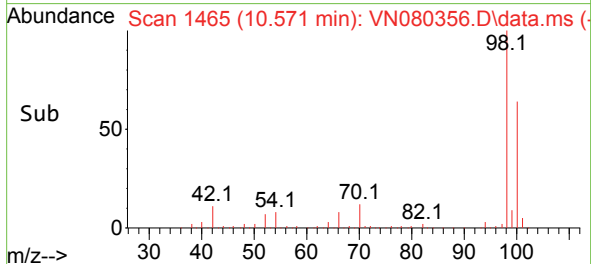
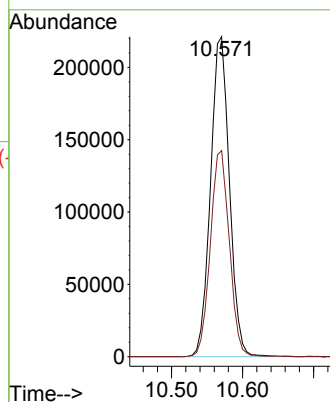
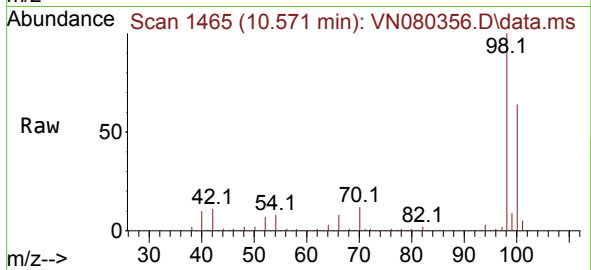




#50
Toluene-d8
Concen: 50.307 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

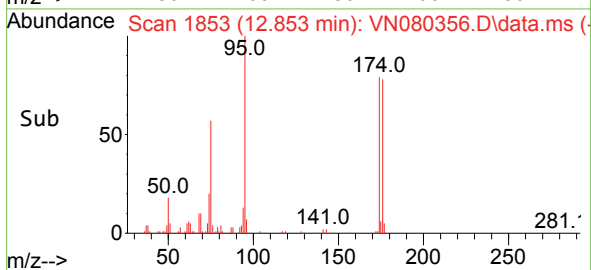
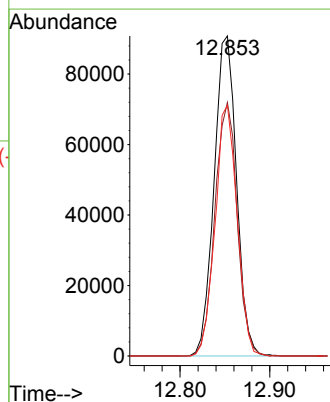
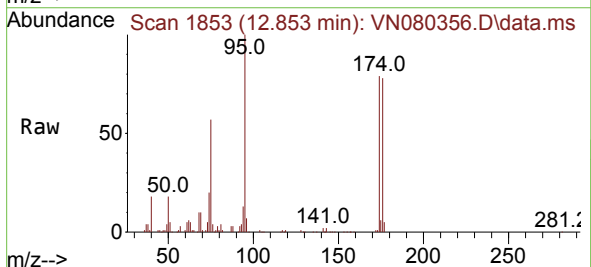
Instrument :
MSVOA_N
ClientSampleId :

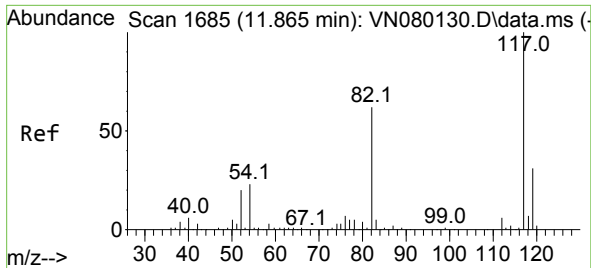
Tgt Ion: 98 Resp: 408463
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 51.404 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

Tgt Ion: 95 Resp: 157649
Ion Ratio Lower Upper
95 100
174 78.9 0.0 143.8
176 76.8 0.0 135.8

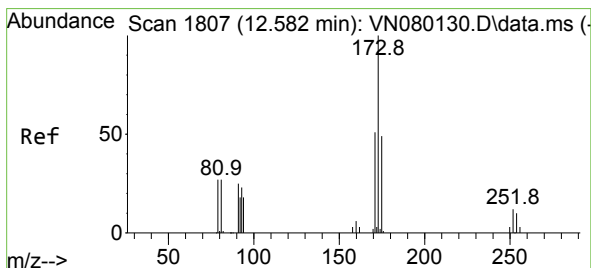
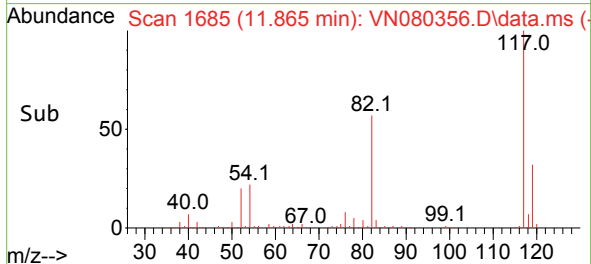
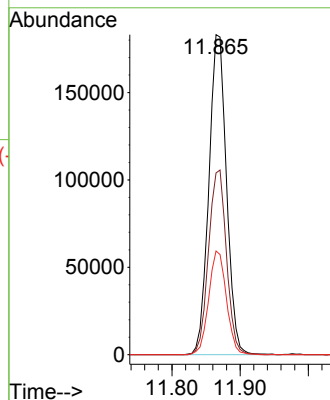
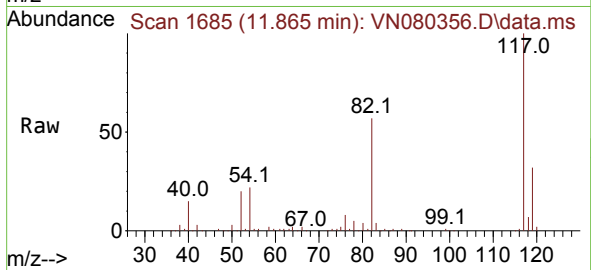




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

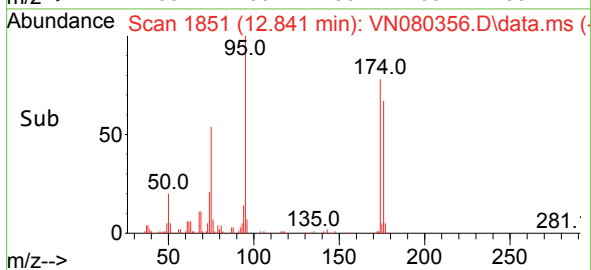
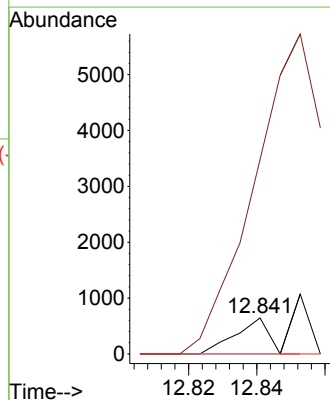
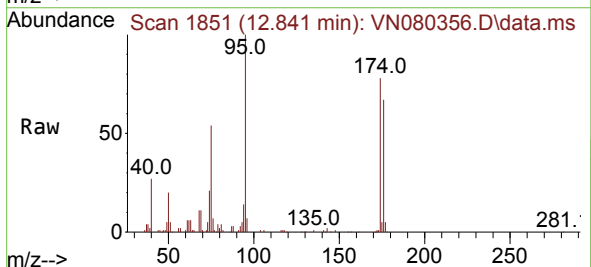
Instrument :
MSVOA_N
ClientSampleId :

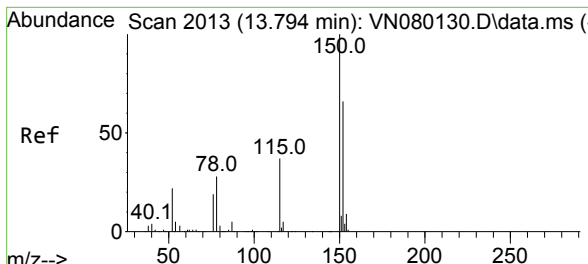
Tgt Ion:117 Resp: 329518
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 32.4 25.6 38.4



#71
Bromoform
Concen: 0.202 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

Tgt Ion:173 Resp: 435
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

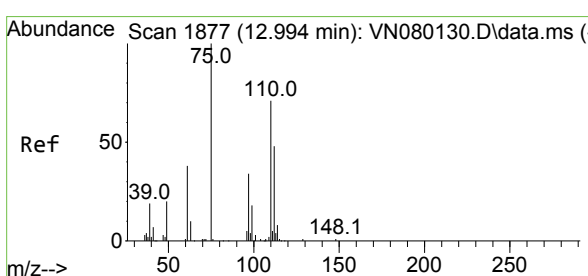
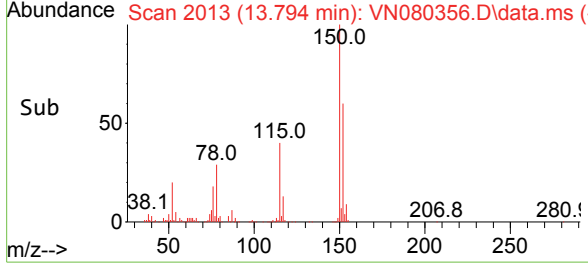
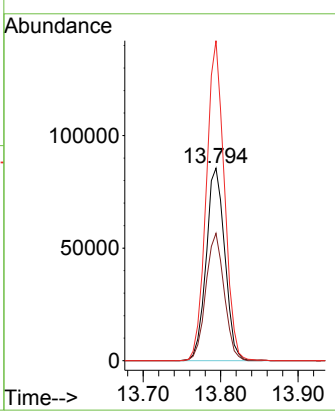
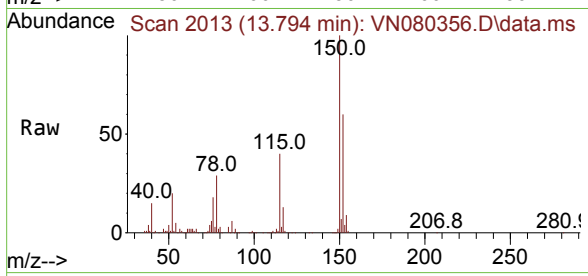




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080356.D
 Acq: 05 Dec 2023 11:04

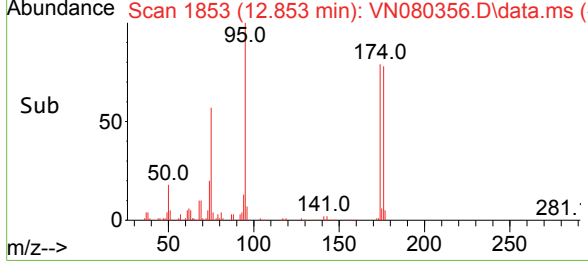
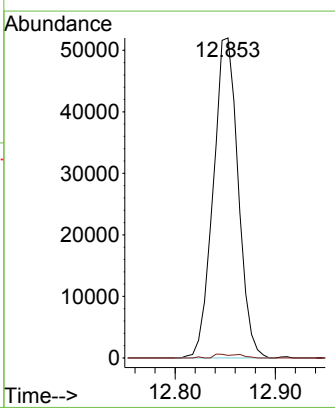
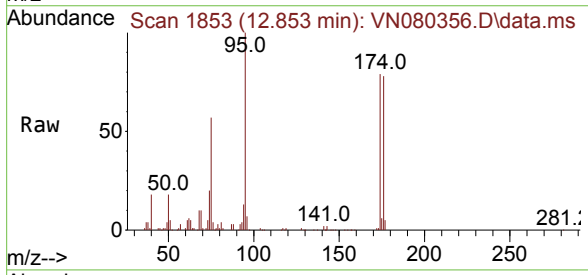
Instrument :
 MSVOA_N
 ClientSampleId :

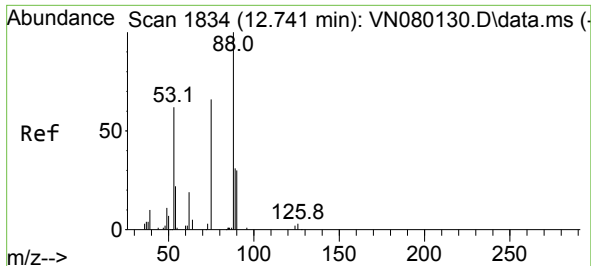
Tgt Ion:	152	Resp:	142929
Ion	Ratio	Lower	Upper
152	100		
115	65.2	32.3	96.8
150	160.6	0.0	355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.574 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080356.D
 Acq: 05 Dec 2023 11:04

Tgt Ion:	75	Resp:	89561
Ion	Ratio	Lower	Upper
75	100		
77	1.3	84.5	253.5#

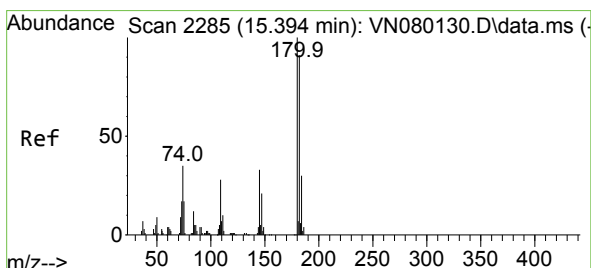
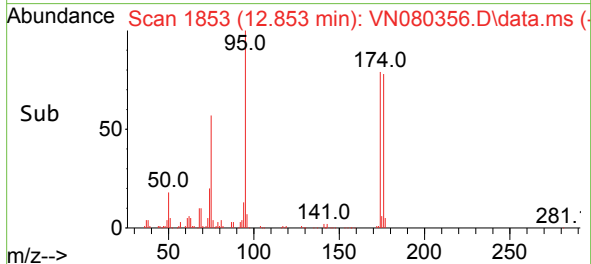
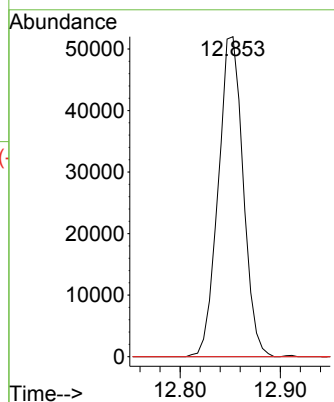
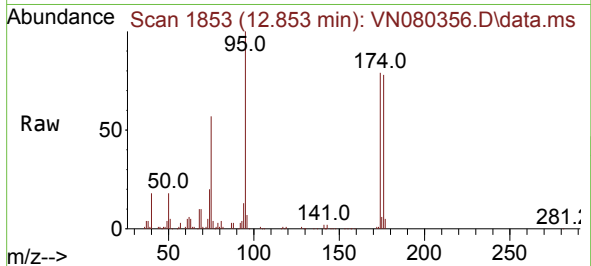




#81
trans-1,4-Dichloro-2-butene
Concen: 86.405 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

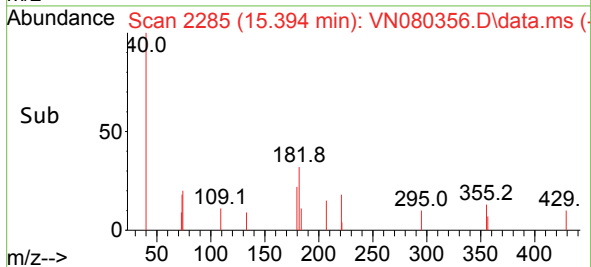
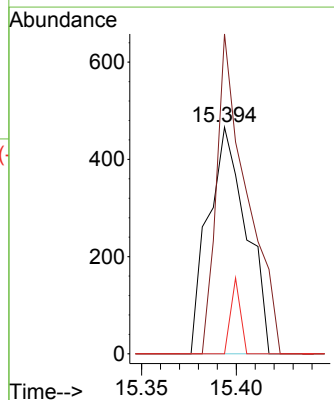
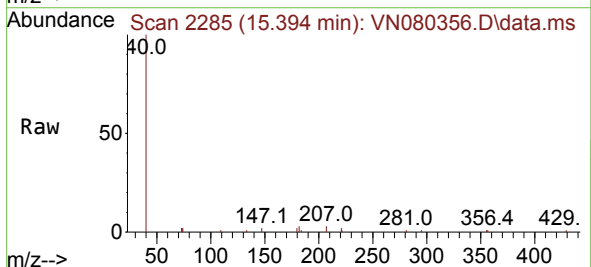
Instrument :
MSVOA_N
ClientSampleId :

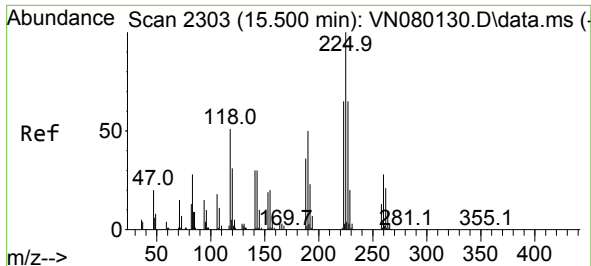
Tgt Ion: 75 Resp: 89561
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.233 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

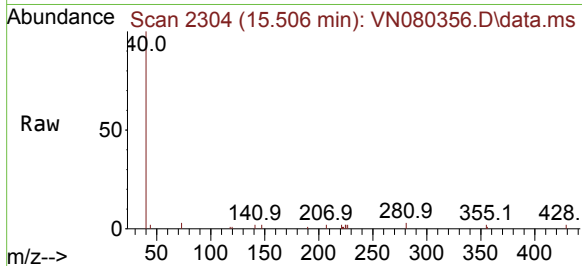
Tgt Ion:180 Resp: 653
Ion Ratio Lower Upper
180 100
182 111.5 46.1 138.2
145 8.4 16.6 49.8#



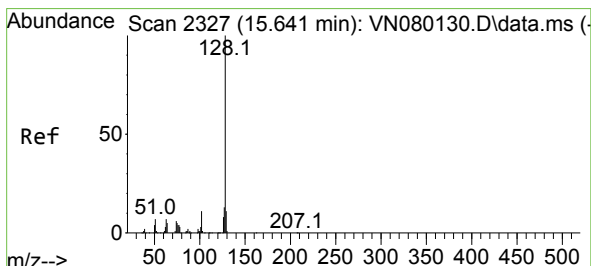
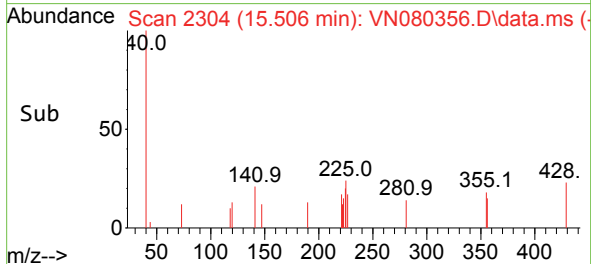
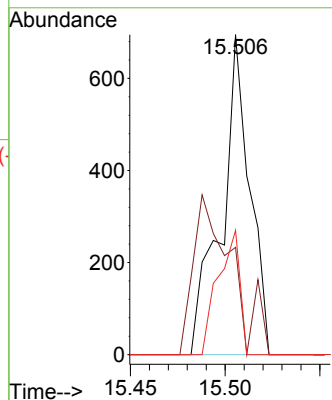


#94
Hexachlorobutadiene
Concen: 0.447 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

Instrument :
MSVOA_N
ClientSampleId :

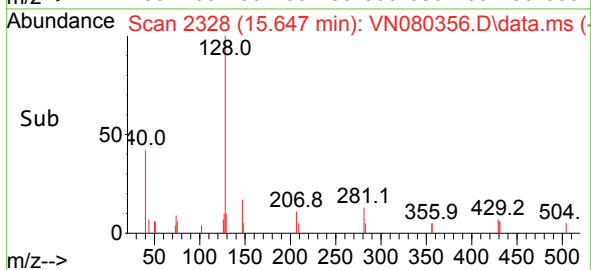
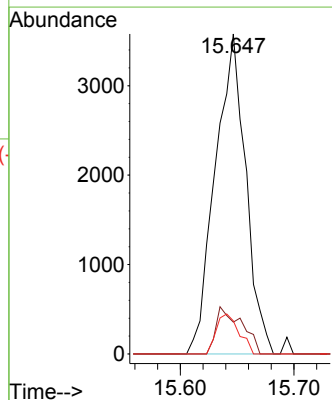
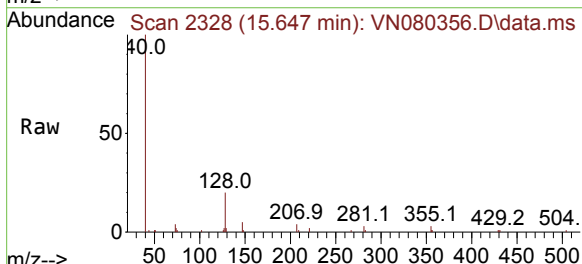


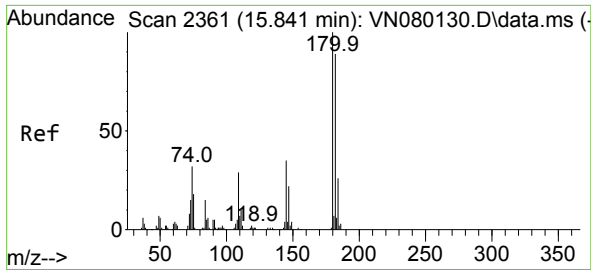
Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.9	31.3	93.8
227	29.9	31.9	95.9#



#95
Naphthalene
Concen: 0.819 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080356.D
Acq: 05 Dec 2023 11:04

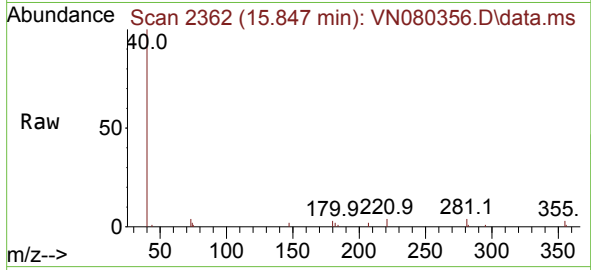
Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.0	15.0
129	9.3	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.283 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN080356.D
 Acq: 05 Dec 2023 11:04

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 745
 Ion Ratio Lower Upper
 180 100
 182 138.7 46.2 138.6#
 145 0.0 17.5 52.6#

