

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080378.D
 Acq On : 06 Dec 2023 11:50
 Operator : JC\MD
 Sample : VN1206WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 00:56:14 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

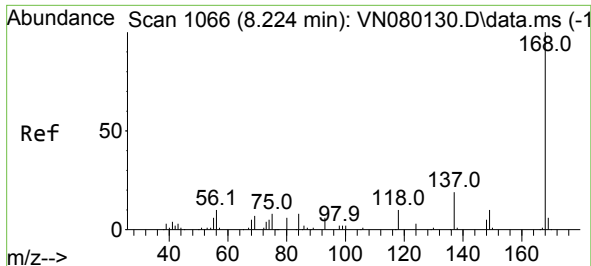
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	174815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	315153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	337917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	150397	52.104	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.200%
35) Dibromofluoromethane	8.165	113	121344	52.182	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.360%
50) Toluene-d8	10.571	98	419137	50.001	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.000%
62) 4-Bromofluorobenzene	12.853	95	157339	49.692	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.380%
Target Compounds						
					Qvalue	
5) Bromomethane	2.959	94	578	0.411	ug/l #	66
6) Chloroethane	3.124	64	210	Below Cal	#	43
16) Acetone	4.430	43	439	0.453	ug/l #	40
17) Carbon Disulfide	4.706	76	1544	0.280	ug/l #	75
18) Methyl Acetate	5.030	43	1203	0.386	ug/l #	51
20) Methylene Chloride	5.265	84	634	0.312	ug/l #	68
31) Cyclohexane	8.224	56	3364	1.072	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	14212	4.221	ug/l #	50
38) Carbon Tetrachloride	8.224	117	18988	4.444	ug/l #	19
43) Isopropyl Acetate	8.782	43	1338	0.294	ug/l #	49
71) Bromoform	12.847	173	1025	0.465	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	89590	25.184	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	89590	85.087	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	1230	0.431	ug/l	77
94) Hexachlorobutadiene	15.494	225	1262	0.769	ug/l	91
95) Naphthalene	15.647	128	6658	0.805	ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	1397	0.523	ug/l	90

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

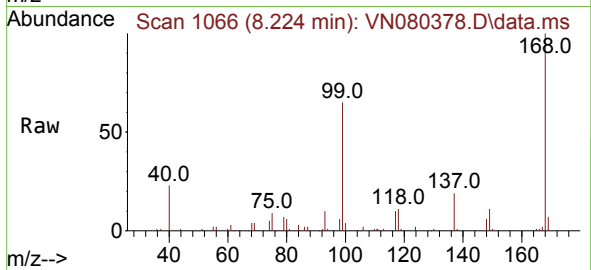
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration



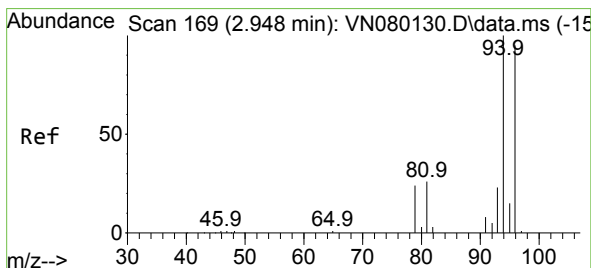
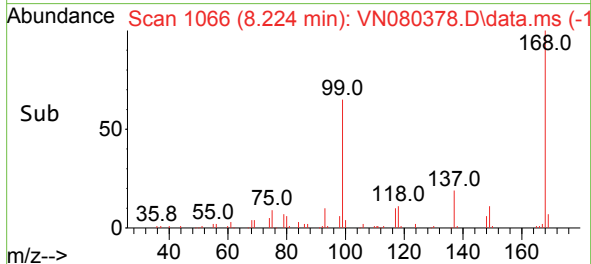
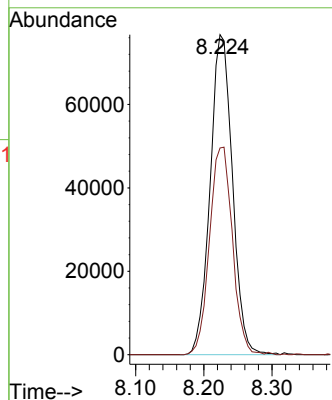


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

Instrument :
MSVOA_N
ClientSampleId :

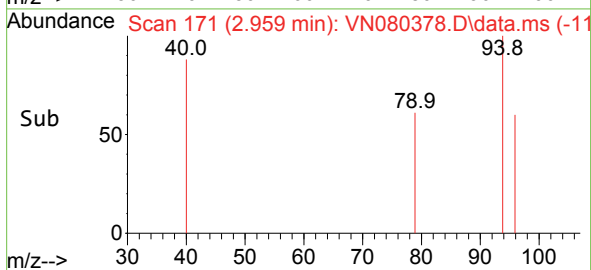
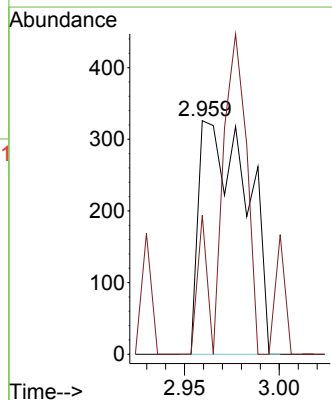
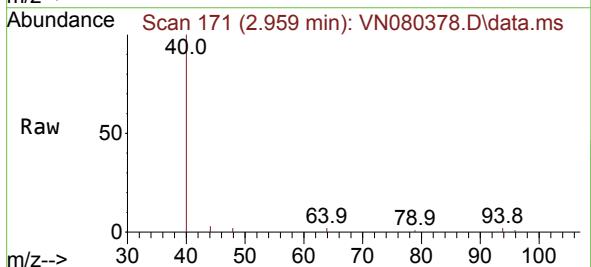


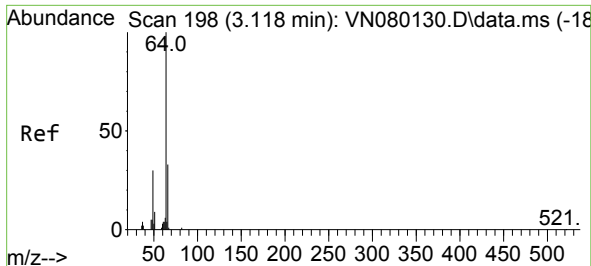
Tgt Ion:168 Resp: 174815
Ion Ratio Lower Upper
168 100
99 64.6 53.0 79.6



#5
Bromomethane
Concen: 0.411 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.012 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

Tgt Ion: 94 Resp: 578
Ion Ratio Lower Upper
94 100
96 59.5 73.1 109.7#

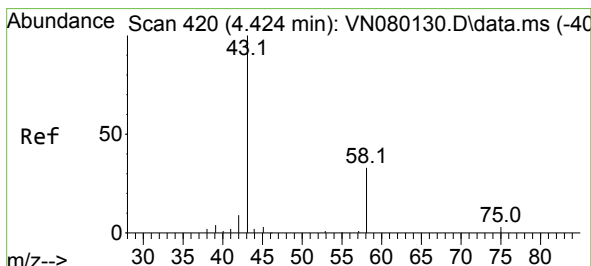
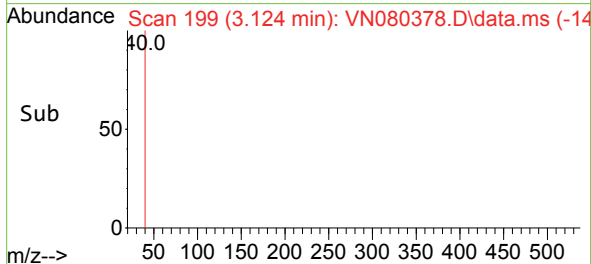
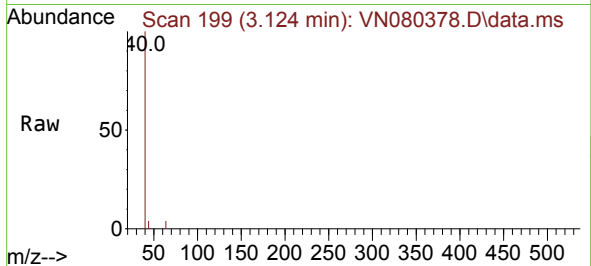




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

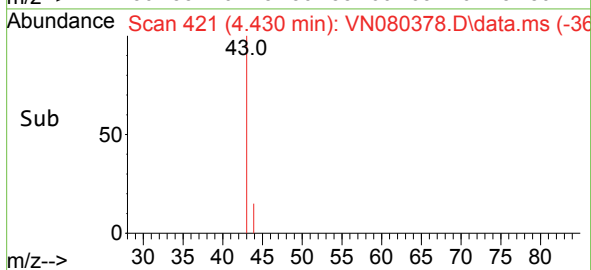
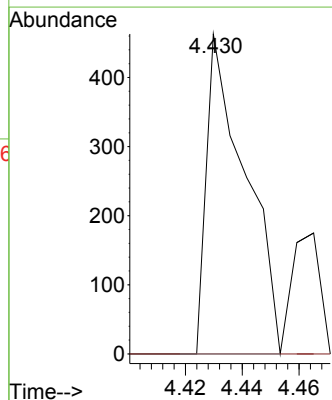
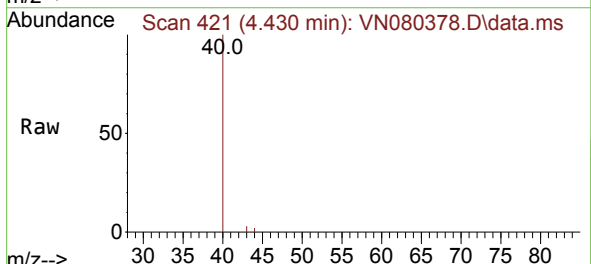
Instrument :
MSVOA_N
ClientSampleId :

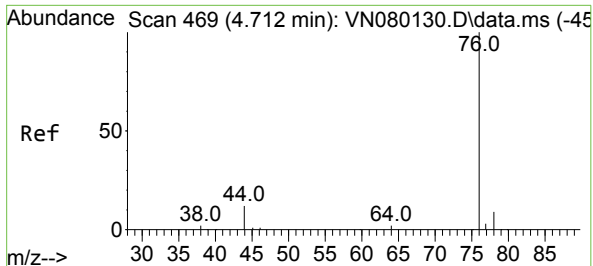
Tgt Ion: 64 Resp: 210
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 0.453 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

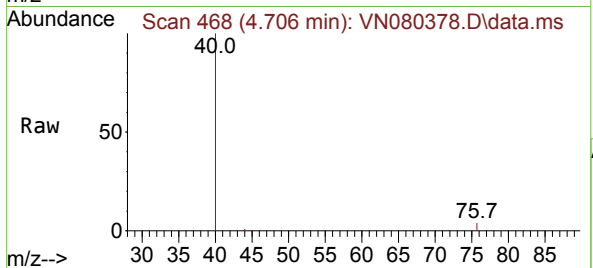
Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



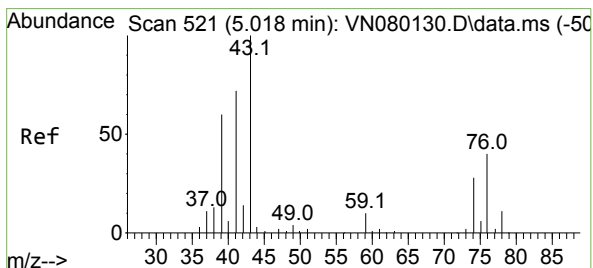
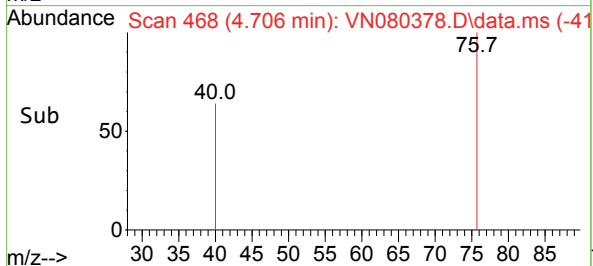
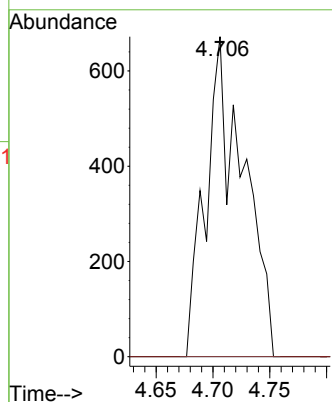


#17
Carbon Disulfide
Concen: 0.280 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

Instrument :
MSVOA_N
ClientSampleId :

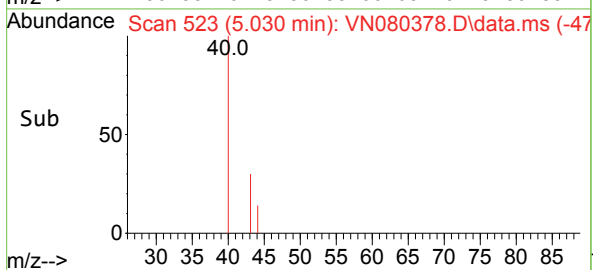
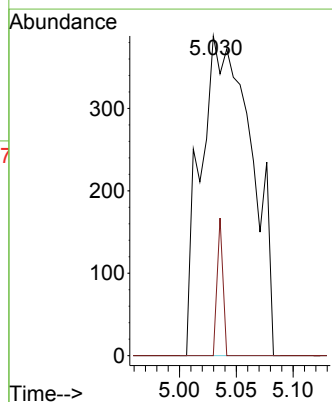
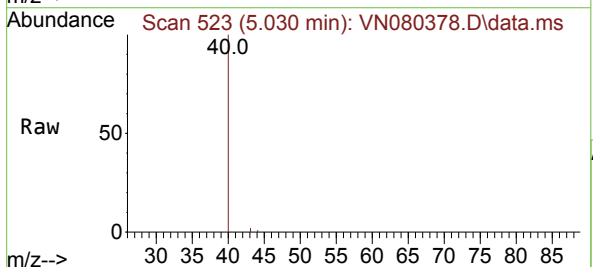


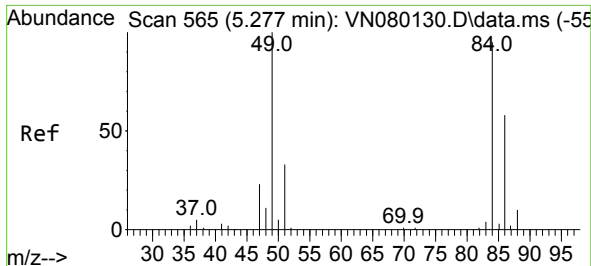
Tgt Ion: 76 Resp: 1544
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.386 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

Tgt Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
74 4.9 26.2 39.4#

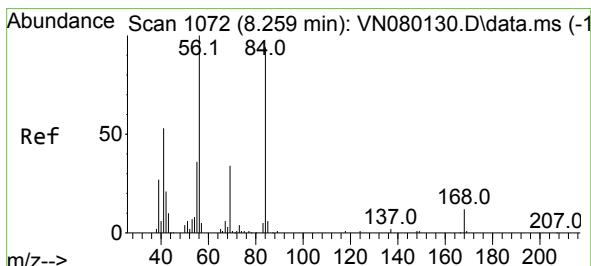
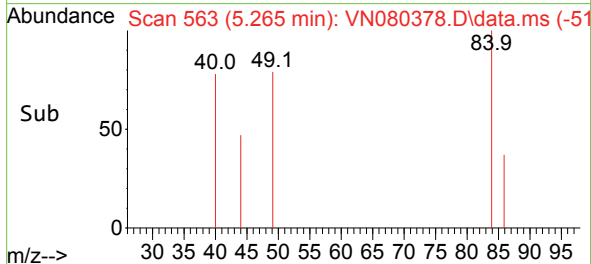
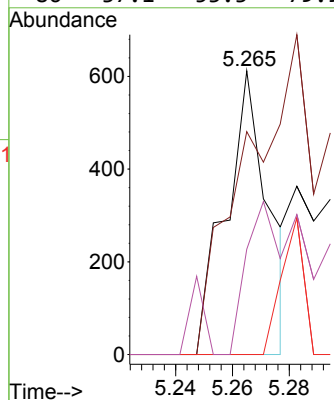
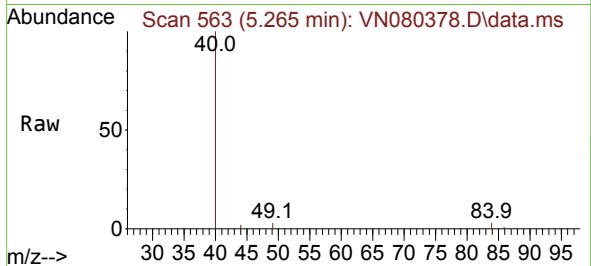




#20
Methylene Chloride
Concen: 0.312 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

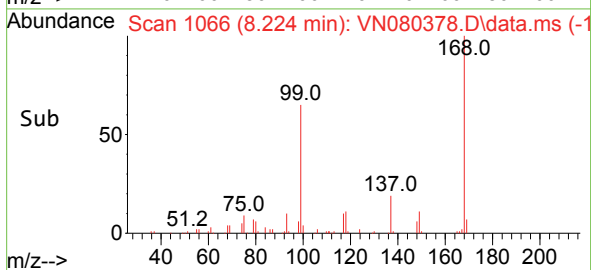
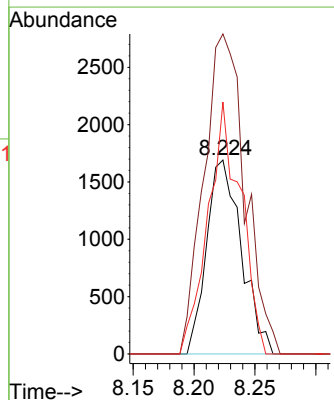
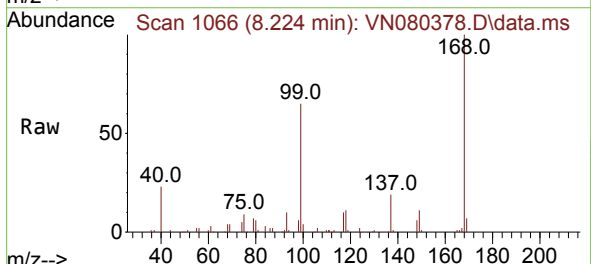
Instrument :
MSVOA_N
ClientSampleId :

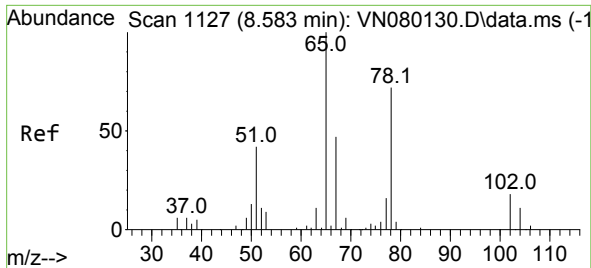
Tgt Ion: 84	Resp: 634
Ion Ratio	Lower Upper
84 100	
49 78.6	79.7 119.5#
51 0.0	25.2 37.8#
86 37.1	53.3 79.9#



#31
Cyclohexane
Concen: 1.072 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

Tgt Ion: 56	Resp: 3364		
Ion Ratio	Lower	Upper	
56 100			
69 165.1	26.8	40.2#	
84 129.9	81.8	122.6#	





#33

1,2-Dichloroethane-d4

Concen: 52.104 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080378.D

Acq: 06 Dec 2023 11:50

Instrument :

MSVOA_N

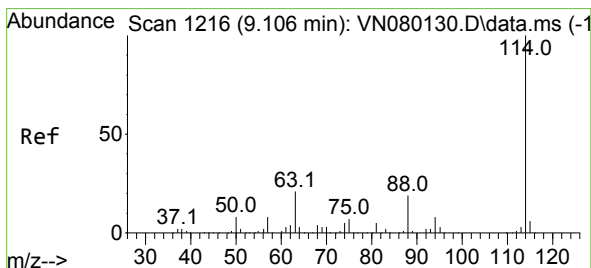
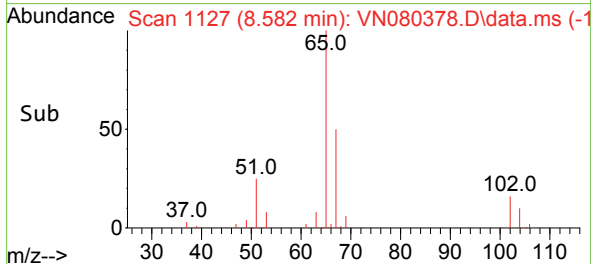
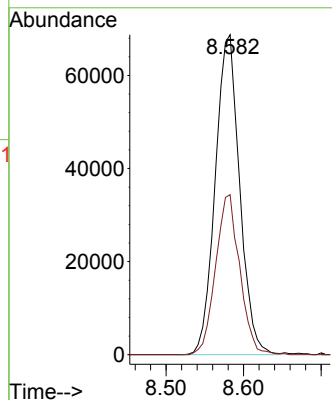
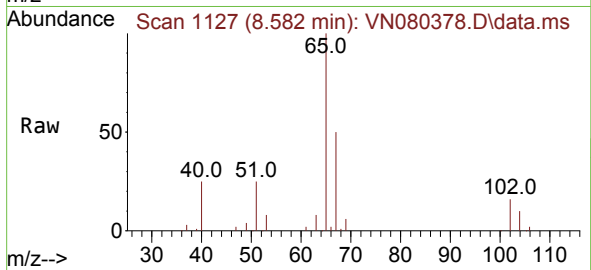
ClientSampleId :

Tgt Ion: 65 Resp: 150397

Ion Ratio Lower Upper

65 100

67 49.5 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: VN080378.D

Acq: 06 Dec 2023 11:50

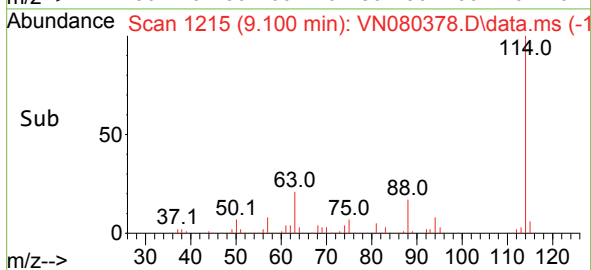
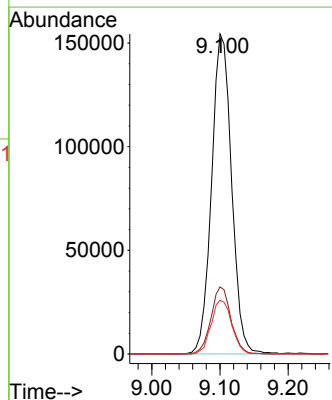
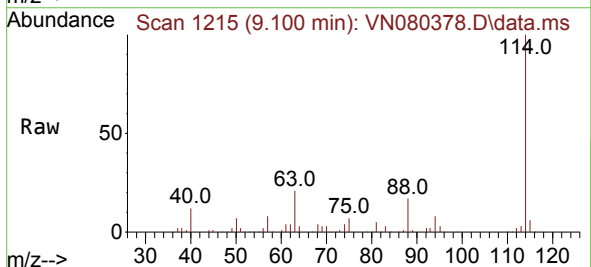
Tgt Ion: 114 Resp: 315153

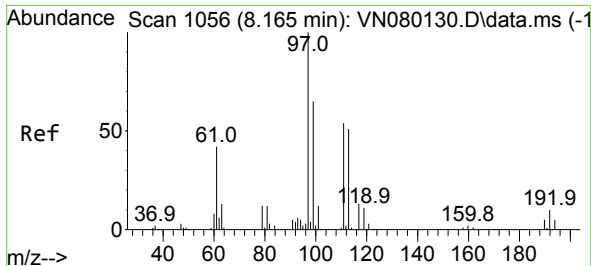
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 16.8 0.0 30.6

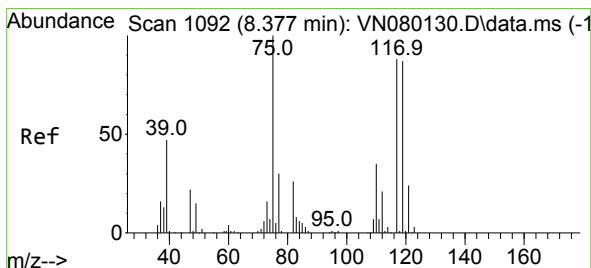
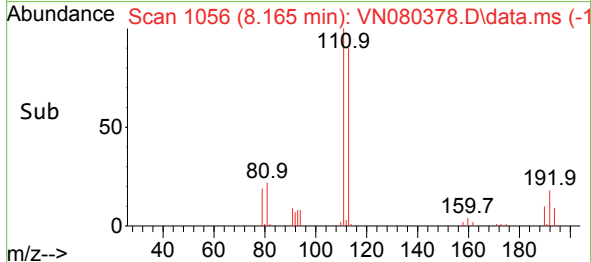
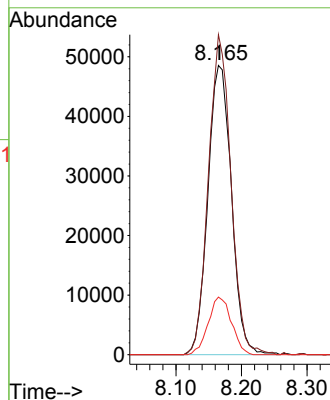
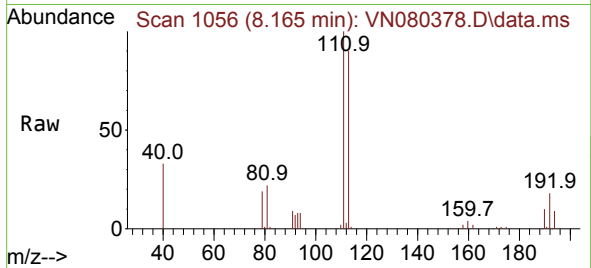




#35
Dibromofluoromethane
Concen: 52.182 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

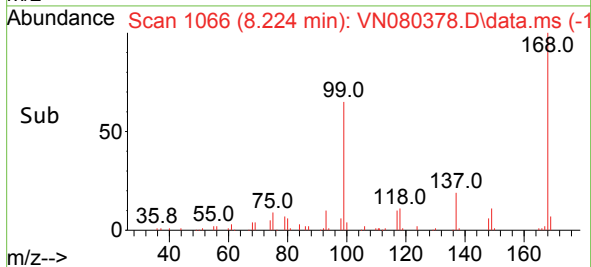
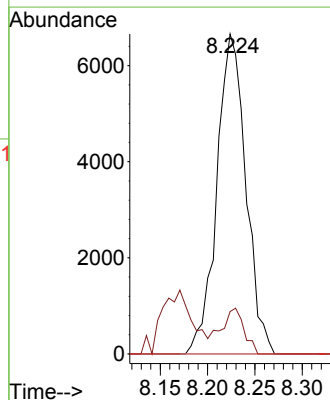
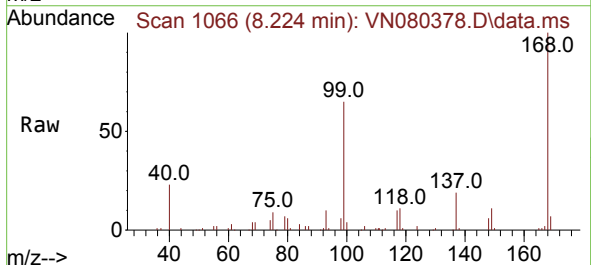
Instrument :
MSVOA_N
ClientSampleId :

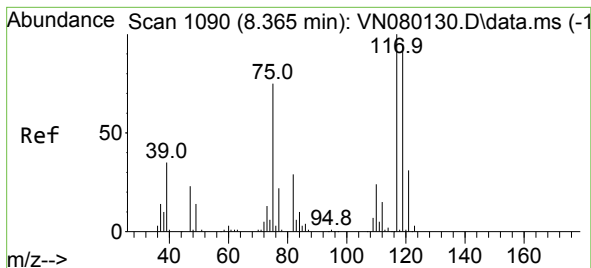
Tgt Ion:113 Resp: 121344
Ion Ratio Lower Upper
113 100
111 105.6 82.6 123.8
192 19.7 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.221 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

Tgt Ion: 75 Resp: 14212
Ion Ratio Lower Upper
75 100
110 11.5 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.444 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

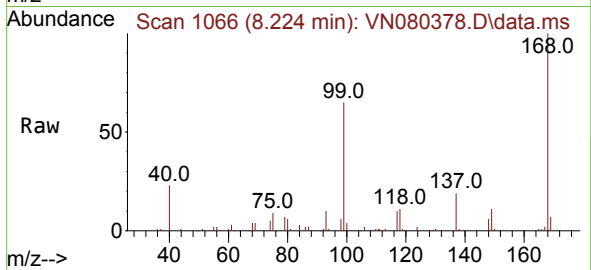
Lab File: VN080378.D

Acq: 06 Dec 2023 11:50

Instrument :

MSVOA_N

ClientSampleId :



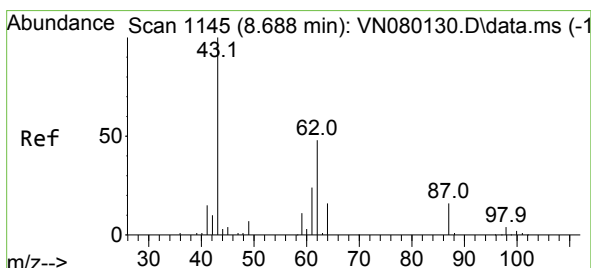
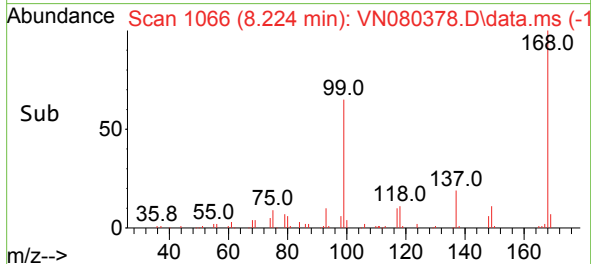
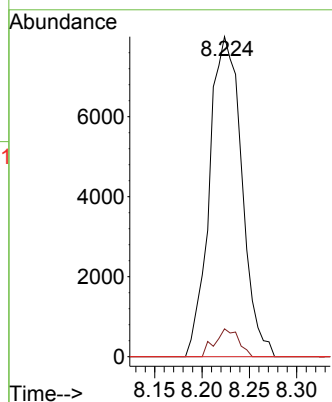
Tgt Ion:117 Resp: 18988

Ion Ratio Lower Upper

117 100

119 8.7 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.294 ug/l

RT: 8.782 min Scan# 1161

Delta R.T. 0.094 min

Lab File: VN080378.D

Acq: 06 Dec 2023 11:50

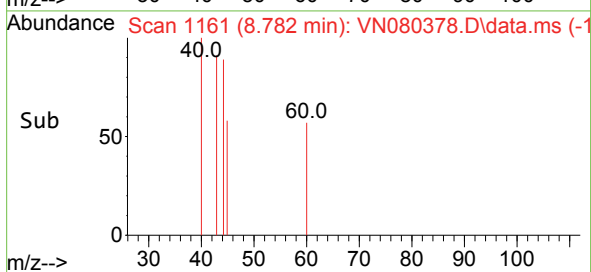
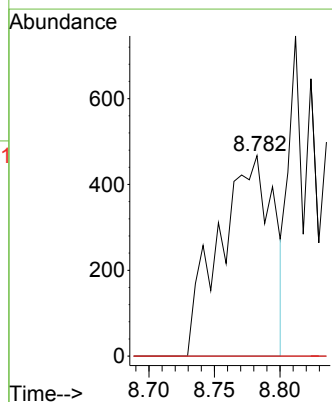
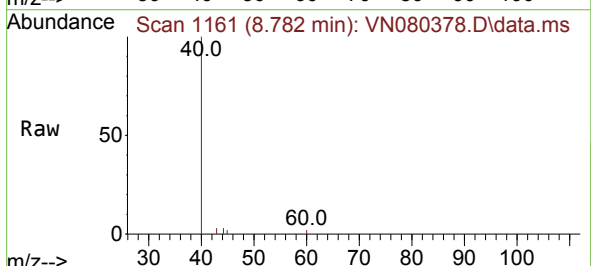
Tgt Ion: 43 Resp: 1338

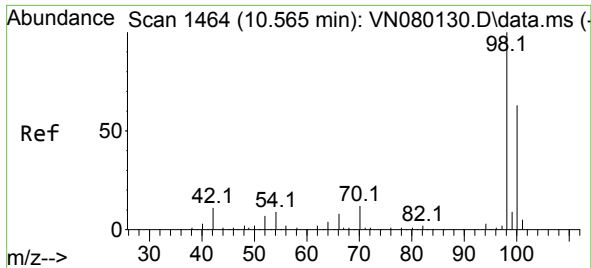
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

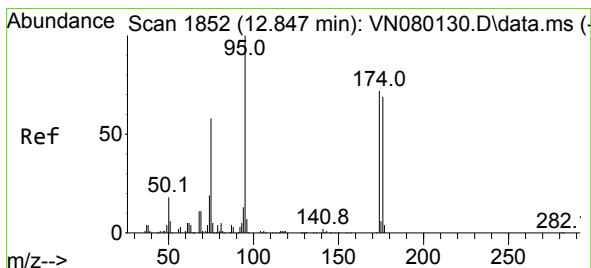
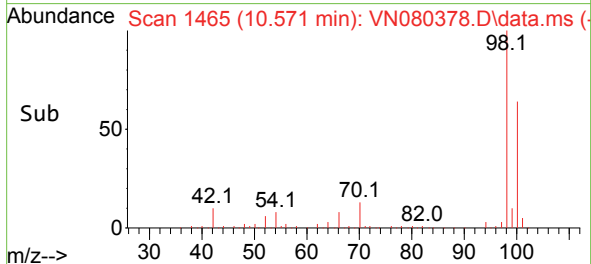
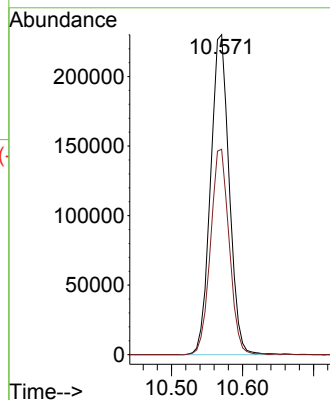
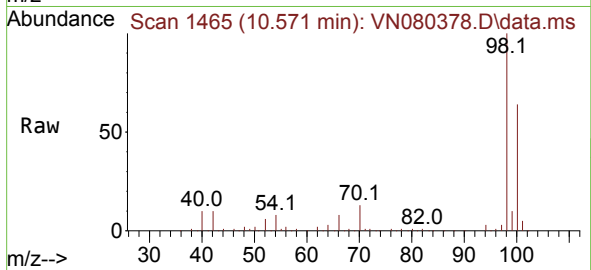




#50
Toluene-d8
Concen: 50.001 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

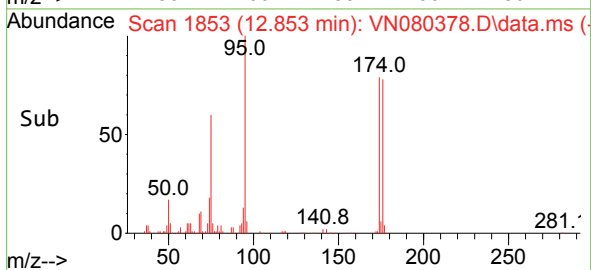
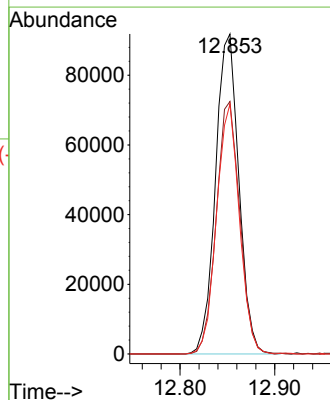
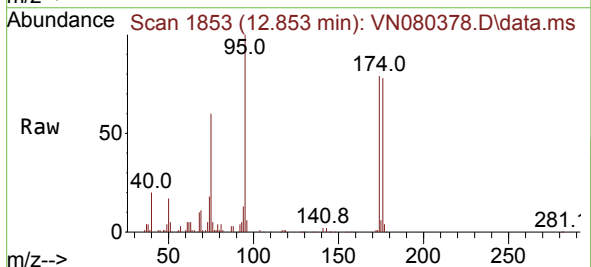
Instrument :
MSVOA_N
ClientSampleId :

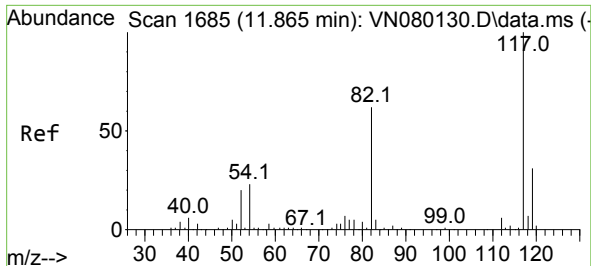
Tgt Ion: 98 Resp: 419137
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.692 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

Tgt Ion: 95 Resp: 157339
Ion Ratio Lower Upper
95 100
174 79.4 0.0 143.8
176 76.4 0.0 135.8

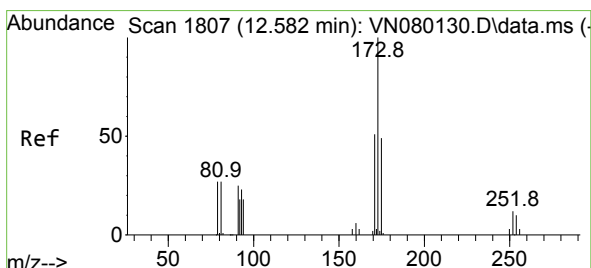
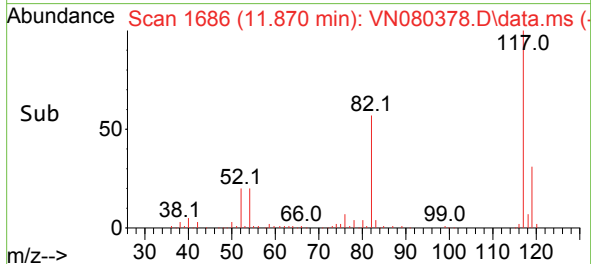
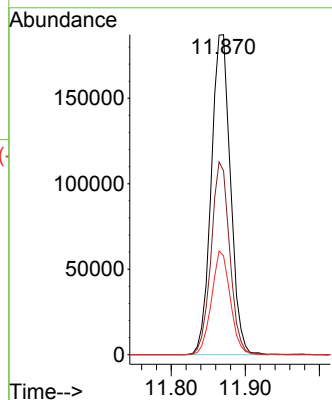
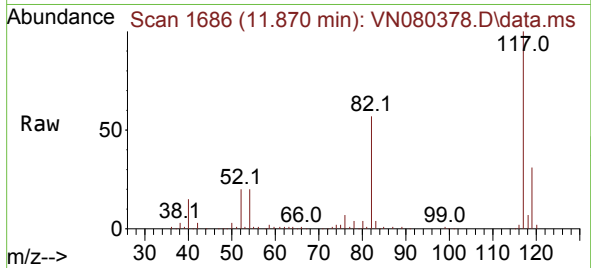




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

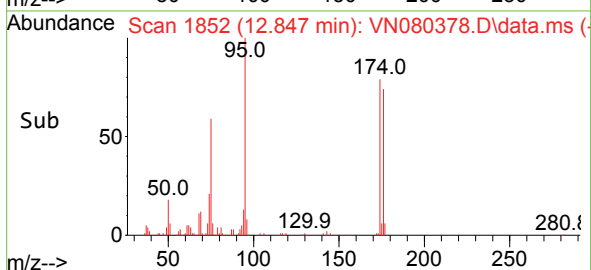
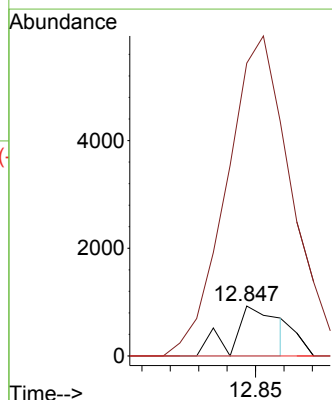
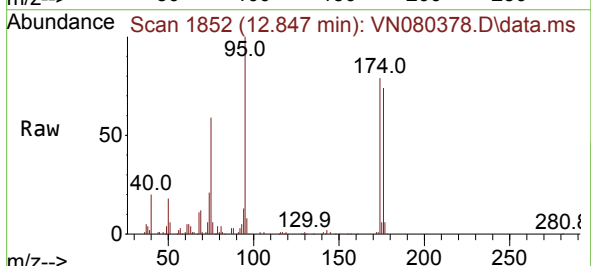
Instrument :
MSVOA_N
ClientSampleId :

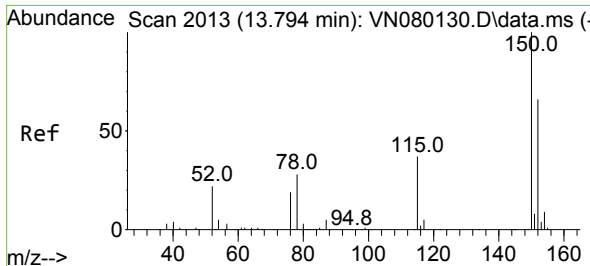
Tgt Ion:117 Resp: 337917
Ion Ratio Lower Upper
117 100
82 57.4 44.0 66.0
119 30.8 25.6 38.4



#71
Bromoform
Concen: 0.465 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

Tgt Ion:173 Resp: 1025
Ion Ratio Lower Upper
173 100
175 762.0 24.3 73.0#
254 0.0 0.0 0.0

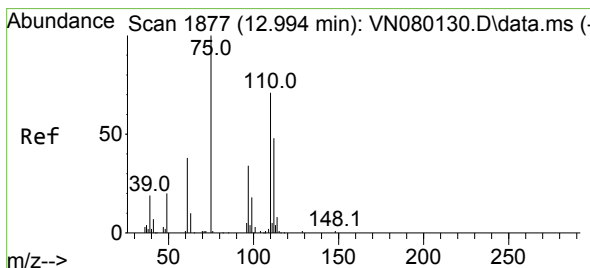
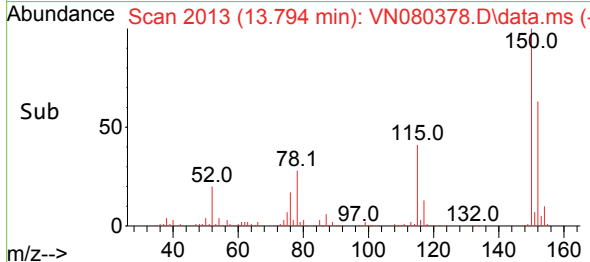
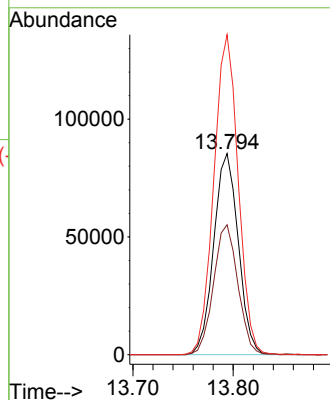
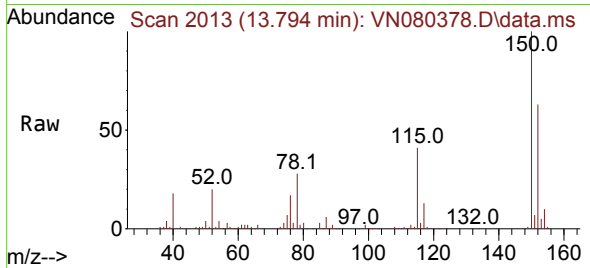




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080378.D
 Acq: 06 Dec 2023 11:50

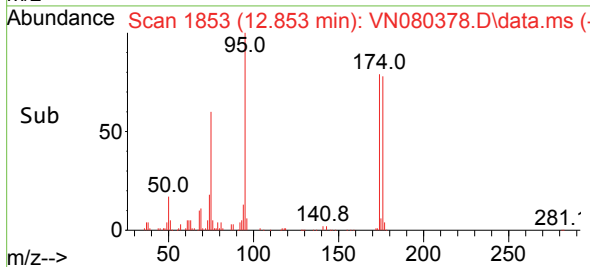
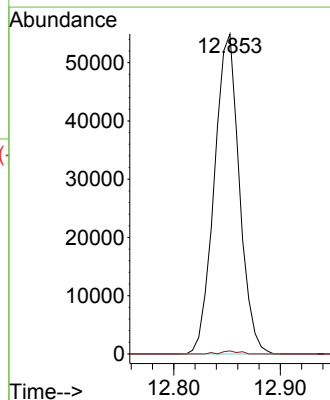
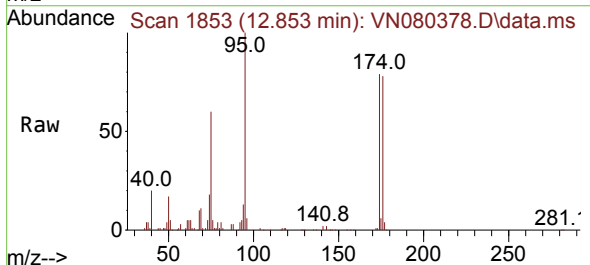
Instrument :
 MSVOA_N
 ClientSampleId :

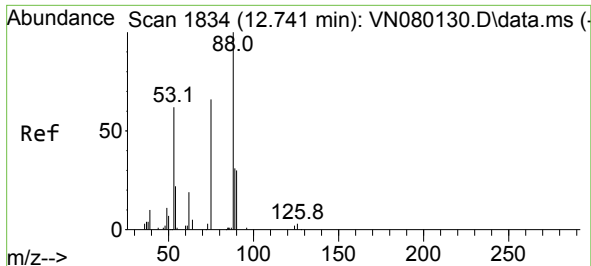
Tgt Ion:152 Resp: 145190
 Ion Ratio Lower Upper
 152 100
 115 64.1 32.3 96.8
 150 157.6 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.184 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080378.D
 Acq: 06 Dec 2023 11:50

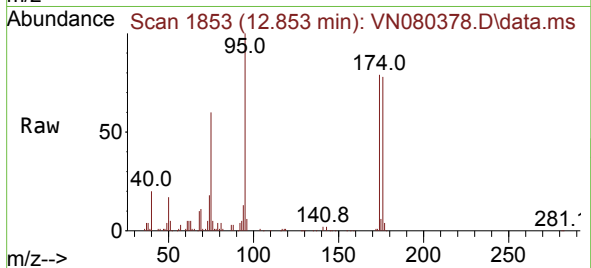
Tgt Ion: 75 Resp: 89590
 Ion Ratio Lower Upper
 75 100
 77 0.7 84.5 253.5#



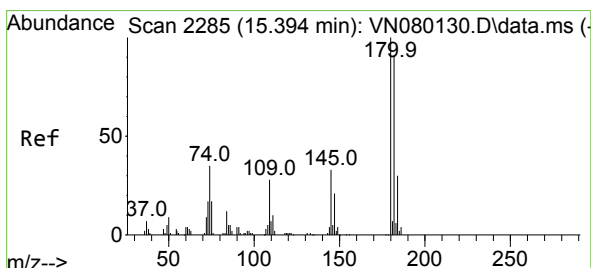
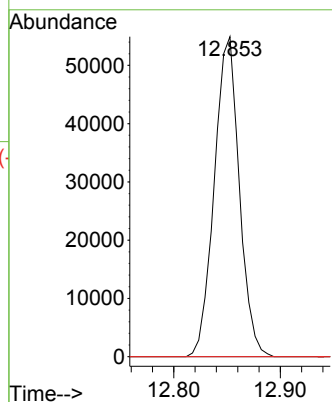
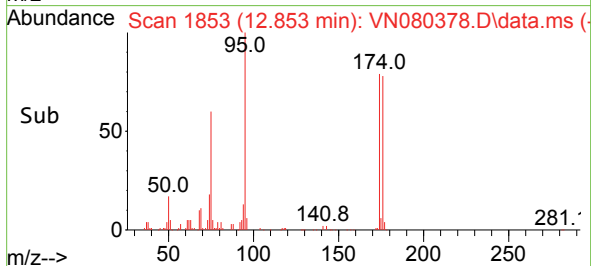


#81
trans-1,4-Dichloro-2-butene
Concen: 85.087 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

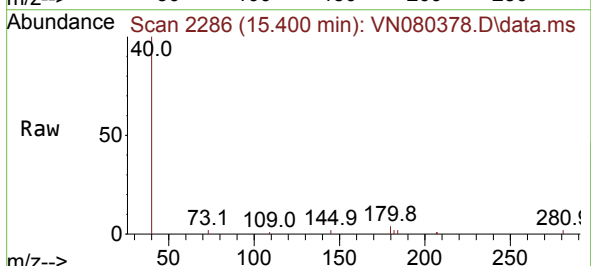
Instrument :
MSVOA_N
ClientSampleId :



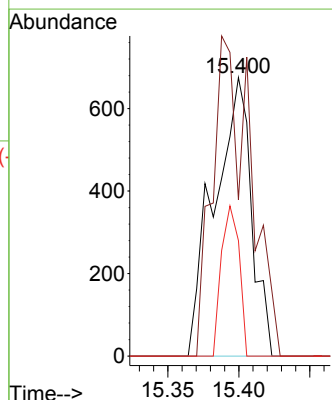
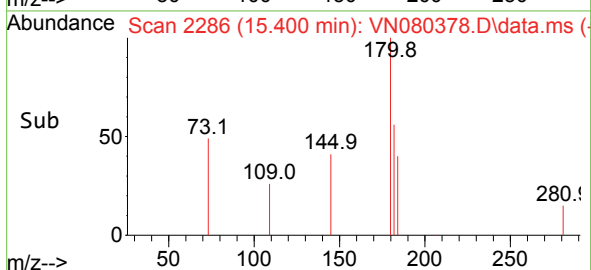
Tgt Ion: 75 Resp: 89590
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

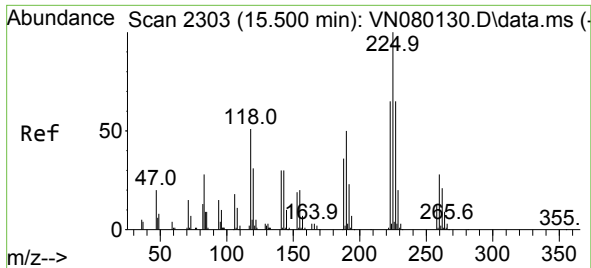


#93
1,2,4-Trichlorobenzene
Concen: 0.431 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50



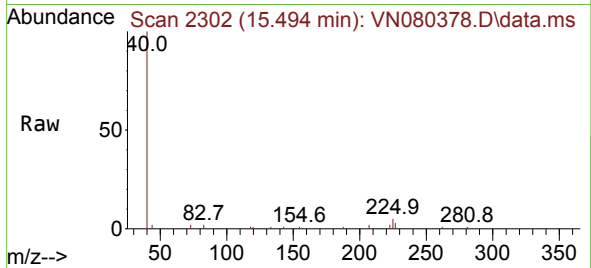
Tgt Ion: 180 Resp: 1230
Ion Ratio Lower Upper
180 100
182 117.1 46.1 138.2
145 25.9 16.6 49.8



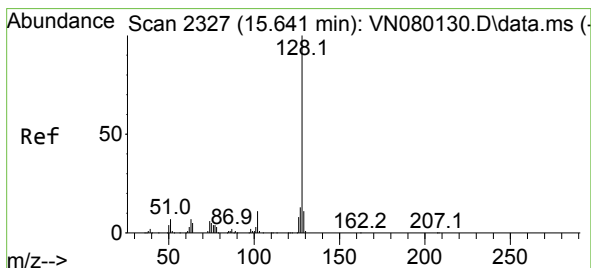
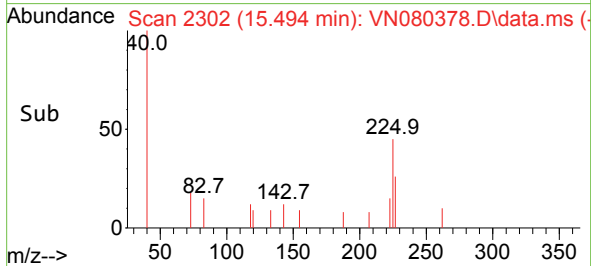
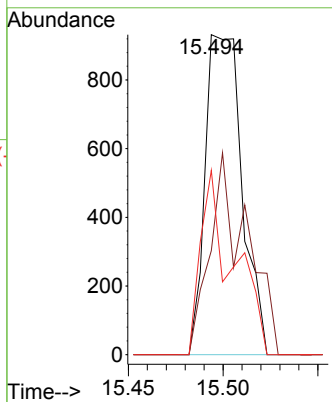


#94
Hexachlorobutadiene
Concen: 0.769 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

Instrument :
MSVOA_N
ClientSampleId :

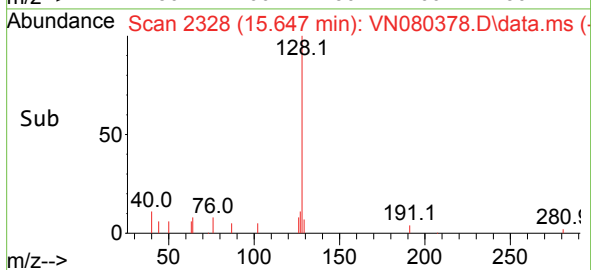
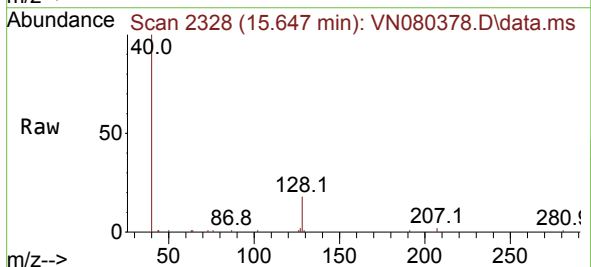
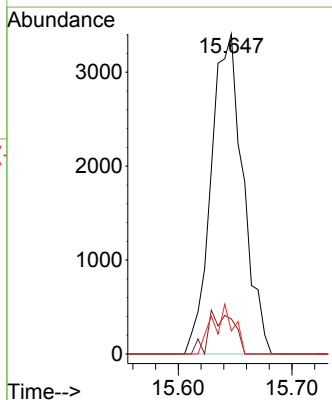


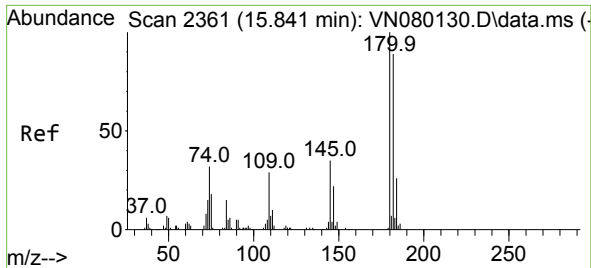
Tgt Ion:225 Resp: 1262
Ion Ratio Lower Upper
225 100
223 62.8 31.3 93.8
227 50.7 31.9 95.9



#95
Naphthalene
Concen: 0.805 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080378.D
Acq: 06 Dec 2023 11:50

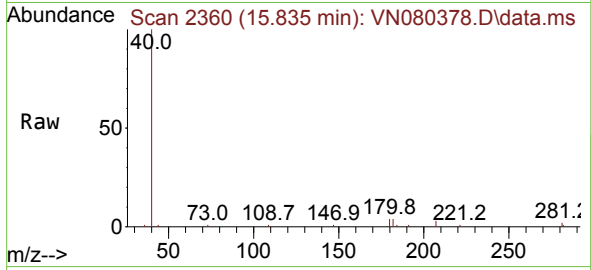
Tgt Ion:128 Resp: 6658
Ion Ratio Lower Upper
128 100
127 10.5 10.0 15.0
129 10.3 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.523 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN080378.D
 Acq: 06 Dec 2023 11:50

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1397
Ion	Ratio	Lower	Upper
180	100		
182	98.9	46.2	138.6
145	25.3	17.5	52.6

