

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
 Data File : VN080365.D
 Acq On : 05 Dec 2023 14:47
 Operator : JC\MD
 Sample : 05622-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 00:52:17 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)

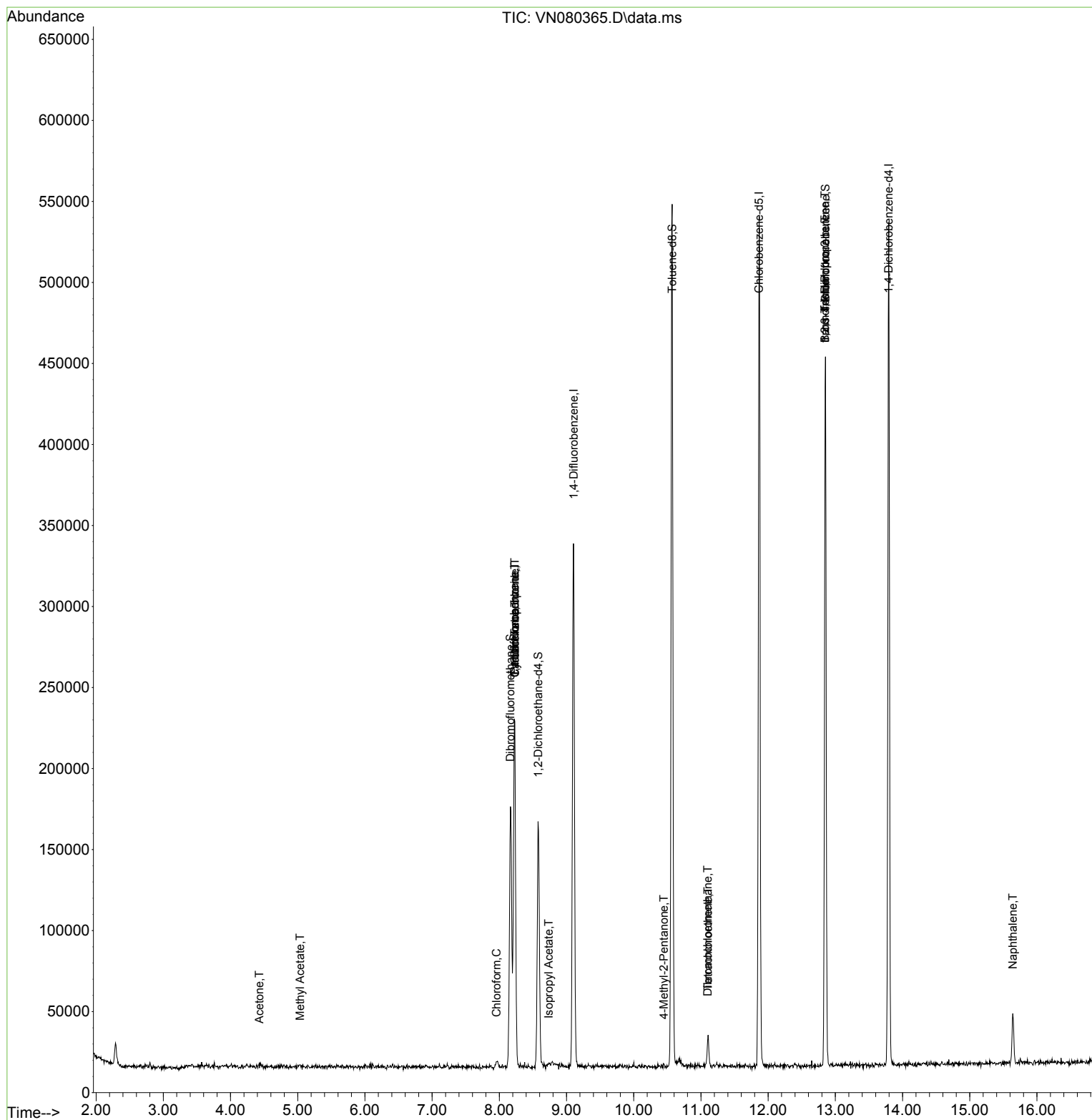
Internal Standards						
1) Pentafluorobenzene	8.224	168	149866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	282671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138248	55.869	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 111.740%		
35) Dibromofluoromethane	8.165	113	110742	53.095	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.180%		
50) Toluene-d8	10.571	98	377521	50.211	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.420%		
62) 4-Bromofluorobenzene	12.853	95	149467	52.631	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 105.260%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.101	64	234	Below Cal	#	43
16) Acetone	4.430	43	1475	1.775	ug/l #	40
18) Methyl Acetate	5.036	43	1354	0.507	ug/l #	68
30) Chloroform	7.959	83	4078	1.136	ug/l	97
31) Cyclohexane	8.230	56	3407	1.266	ug/l #	38
36) 1,1-Dichloropropene	8.230	75	13563	4.491	ug/l #	50
38) Carbon Tetrachloride	8.230	117	17775	4.638	ug/l #	15
43) Isopropyl Acetate	8.736	43	1038	0.255	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	1204	0.571	ug/l #	66
60) Dibromochloromethane	11.100	129	4368	1.780	ug/l #	11
64) Tetrachloroethene	11.106	164	4334	1.883	ug/l #	89
71) Bromoform	12.847	173	427	0.217	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	83923	24.698	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83923	83.444	ug/l #	15
95) Naphthalene	15.641	128	29194	3.695	ug/l	99

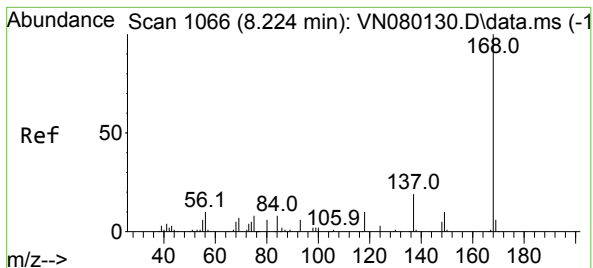
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080365.D

Acq: 05 Dec 2023 14:47

Instrument :

MSVOA_N

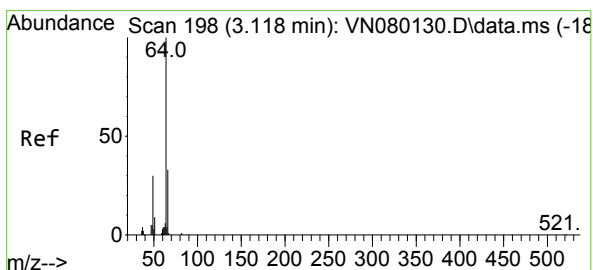
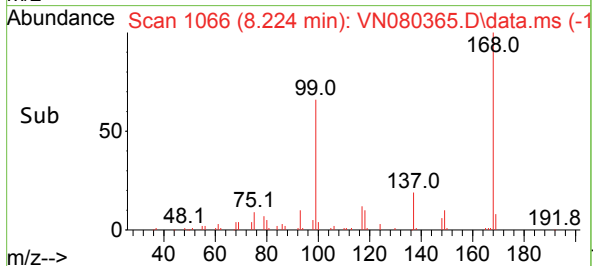
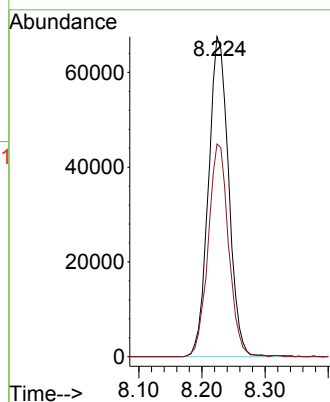
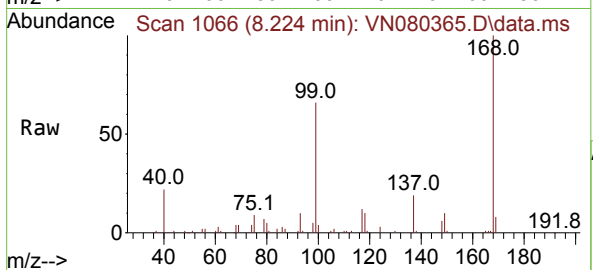
ClientSampleId :

Tgt Ion:168 Resp: 149866

Ion Ratio Lower Upper

168 100

99 66.5 53.0 79.6



#6

Chloroethane

Concen: Below Cal

RT: 3.101 min Scan# 195

Delta R.T. -0.017 min

Lab File: VN080365.D

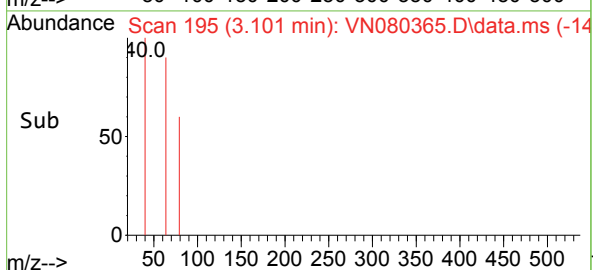
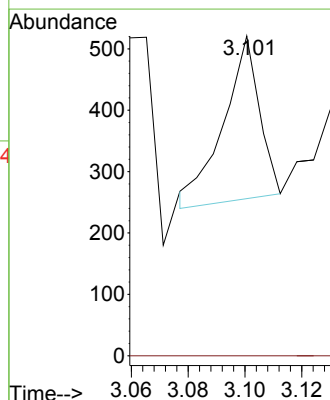
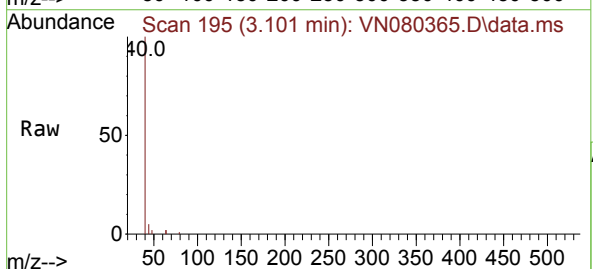
Acq: 05 Dec 2023 14:47

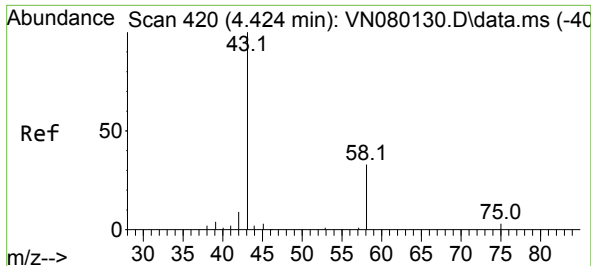
Tgt Ion: 64 Resp: 234

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

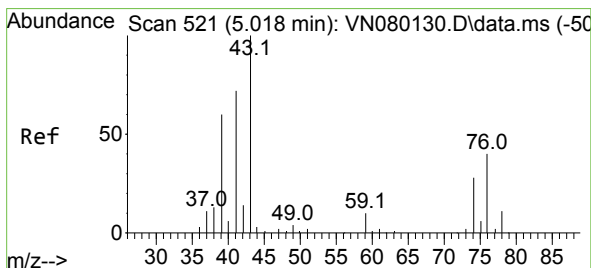
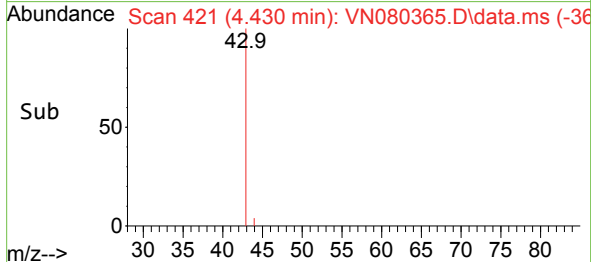
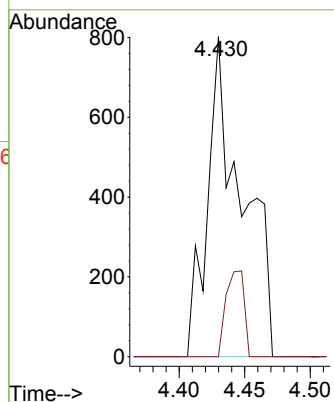
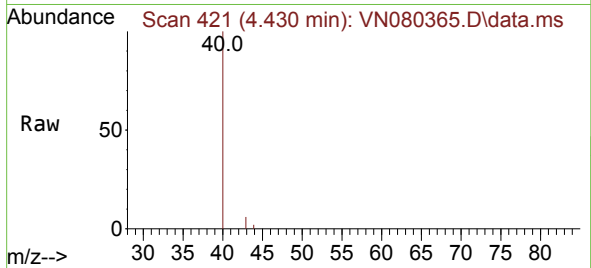




#16
Acetone
Concen: 1.775 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

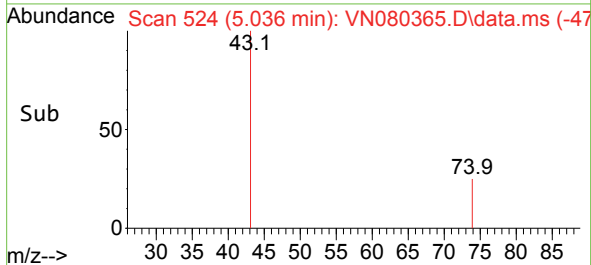
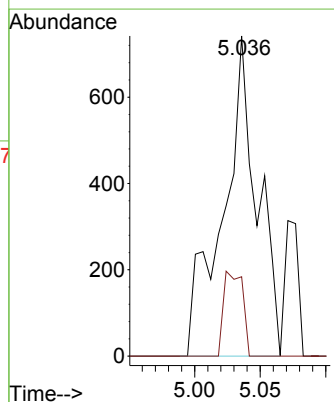
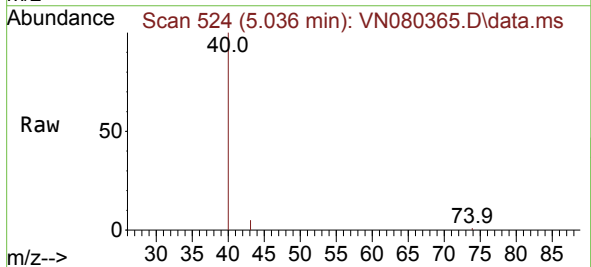
Instrument :
MSVOA_N
ClientSampleId :

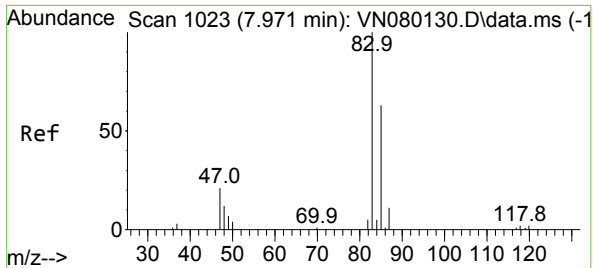
Tgt Ion: 43 Resp: 1475
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.507 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

Tgt Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
74 14.5 26.2 39.4#

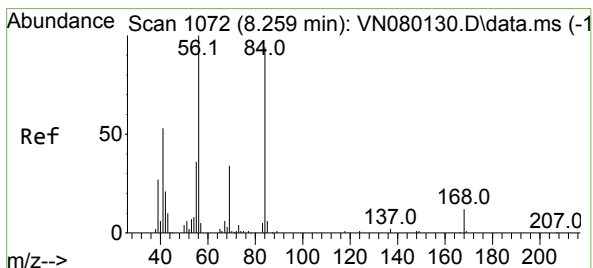
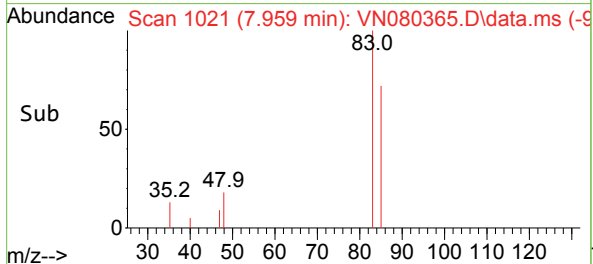
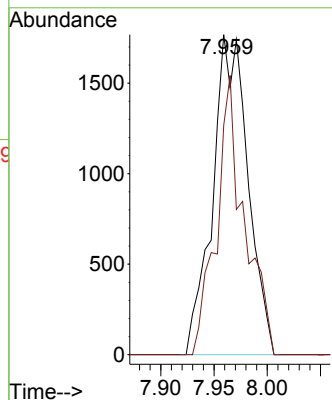
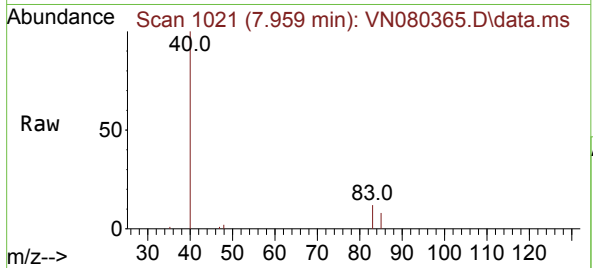




#30
Chloroform
Concen: 1.136 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.012 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

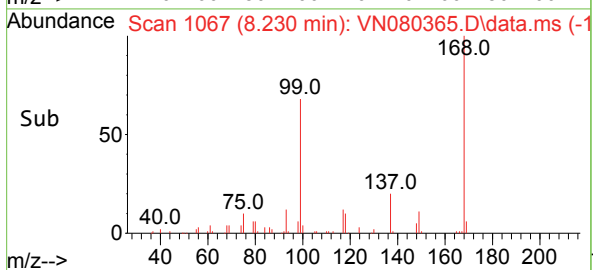
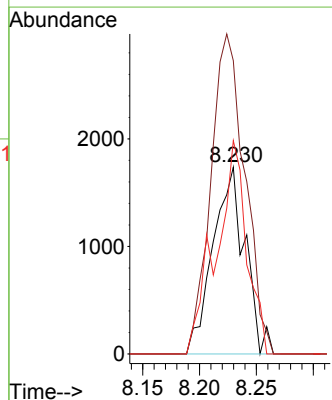
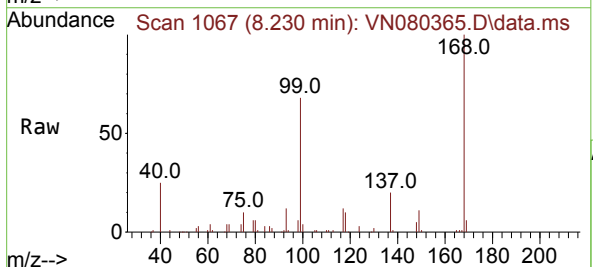
Instrument :
MSVOA_N
ClientSampleId :

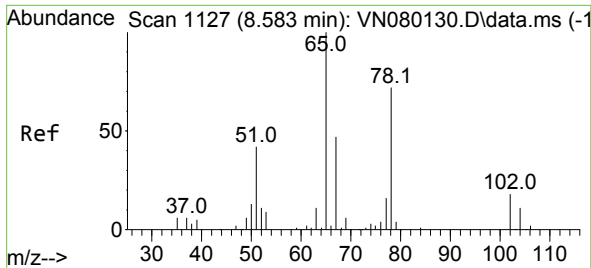
Tgt Ion: 83 Resp: 4078
Ion Ratio Lower Upper
83 100
85 71.7 55.4 83.0



#31
Cyclohexane
Concen: 1.266 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

Tgt Ion: 56 Resp: 3407
Ion Ratio Lower Upper
56 100
69 157.1 26.8 40.2#
84 114.2 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 55.869 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080365.D

Acq: 05 Dec 2023 14:47

Instrument :

MSVOA_N

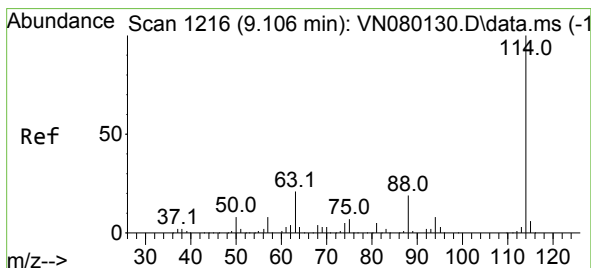
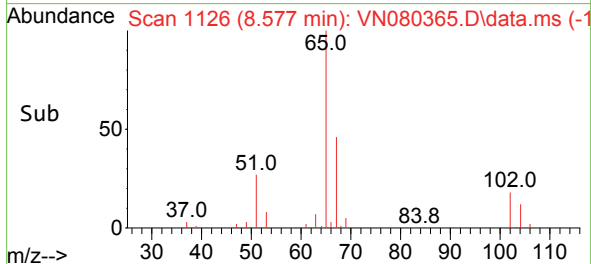
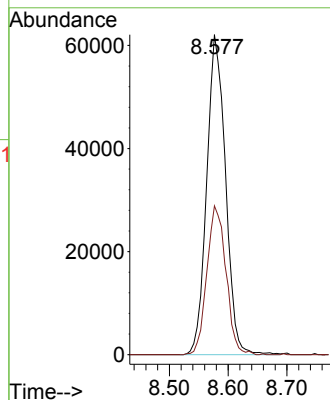
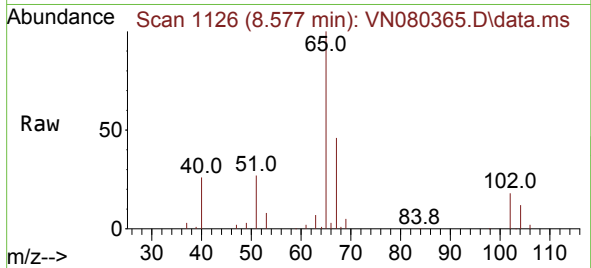
ClientSampleId :

Tgt Ion: 65 Resp: 138248

Ion Ratio Lower Upper

65 100

67 47.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN080365.D

Acq: 05 Dec 2023 14:47

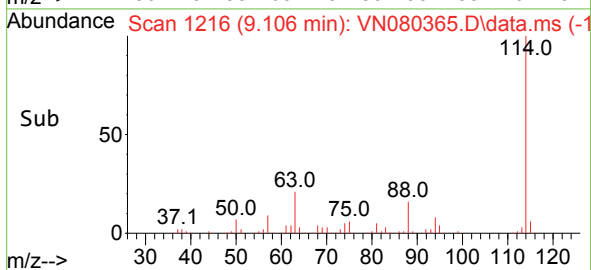
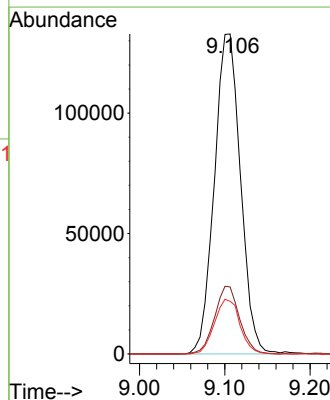
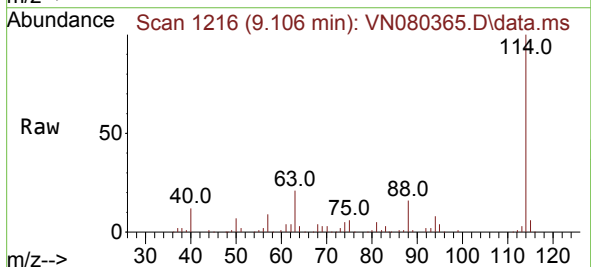
Tgt Ion:114 Resp: 282671

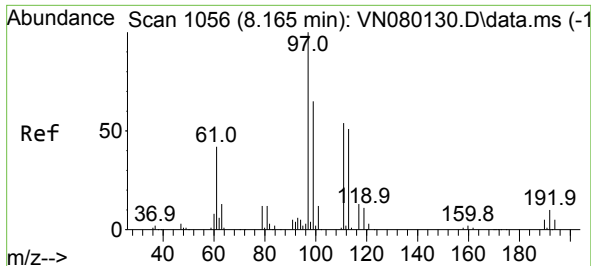
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

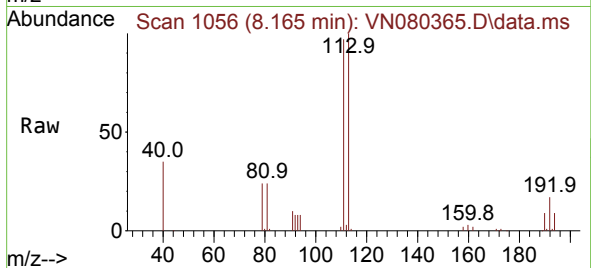
88 16.4 0.0 30.6



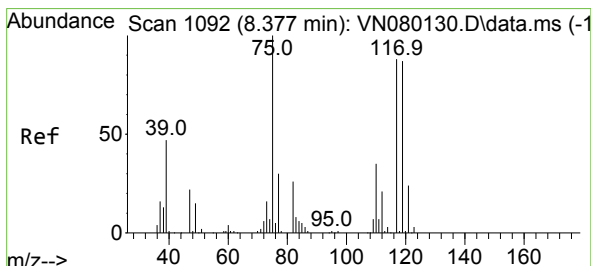
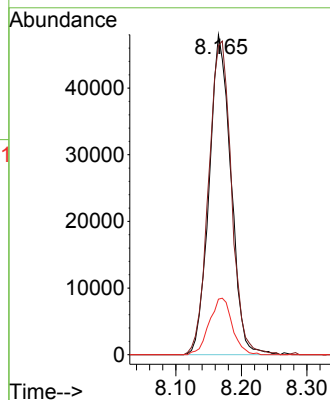
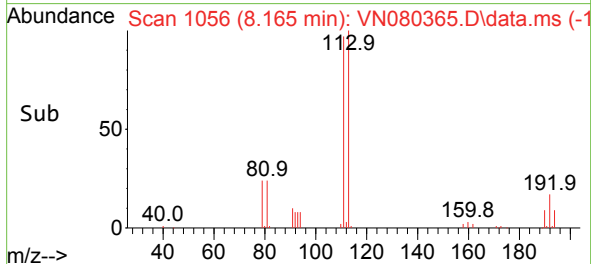


#35
Dibromofluoromethane
Concen: 53.095 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

Instrument :
MSVOA_N
ClientSampleId :

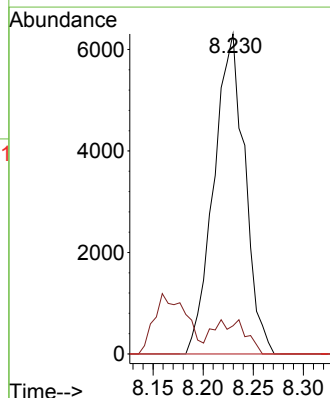
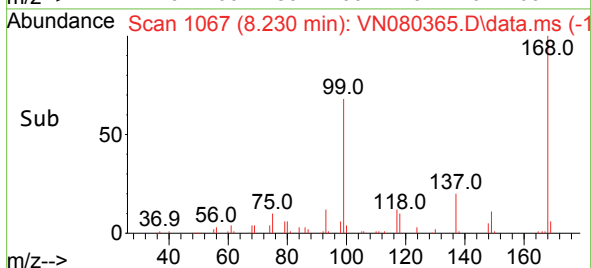
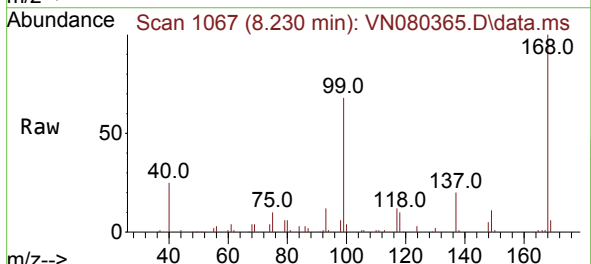


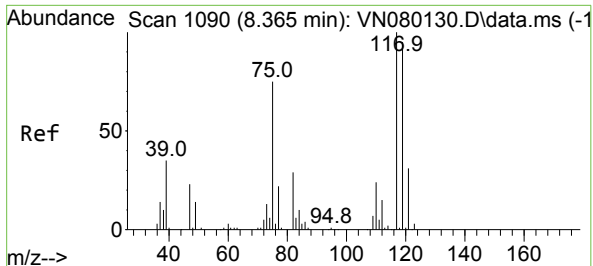
Tgt Ion:113 Resp: 110742
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 18.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.491 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

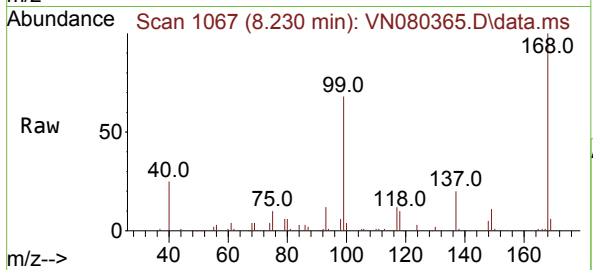
Tgt Ion: 75 Resp: 13563
Ion Ratio Lower Upper
75 100
110 11.0 19.1 57.3#
77 0.0 25.0 37.4#



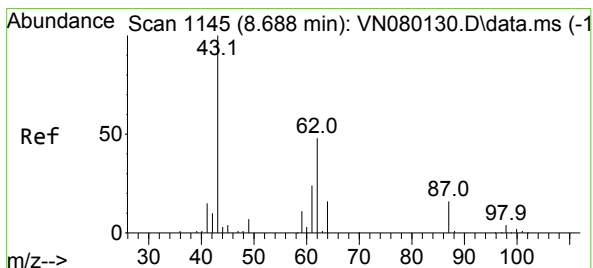
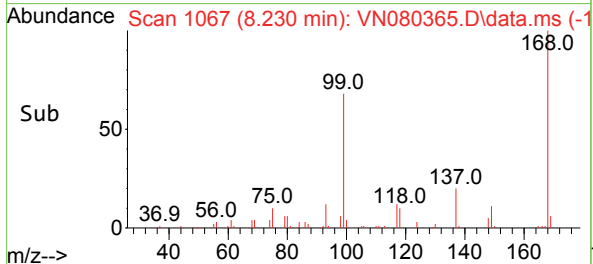
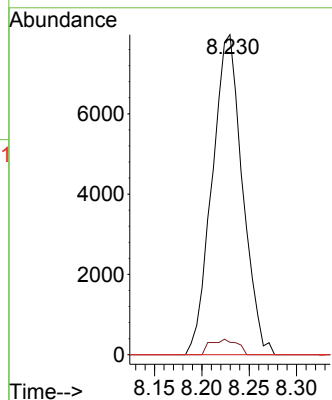


#38
Carbon Tetrachloride
Concen: 4.638 ug/l
RT: 8.230 min Scan# 1153
Delta R.T. -0.135 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

Instrument :
MSVOA_N
ClientSampleId :

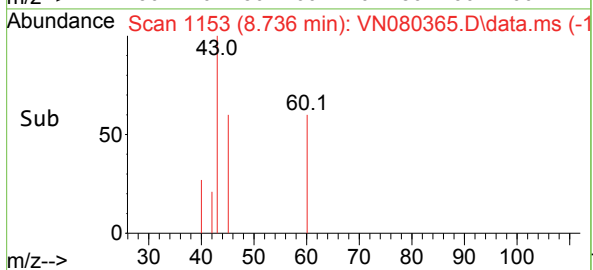
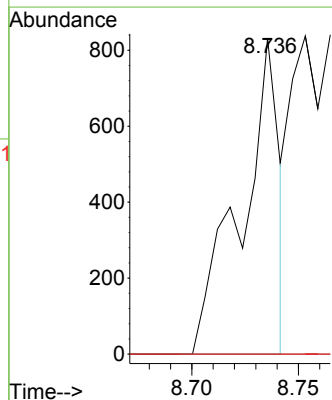
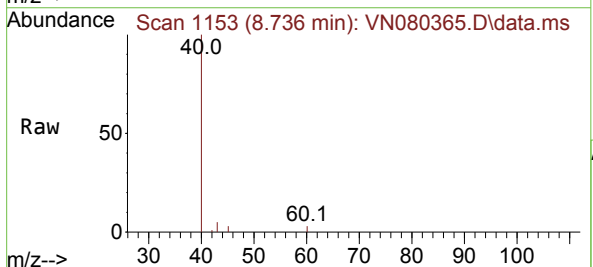


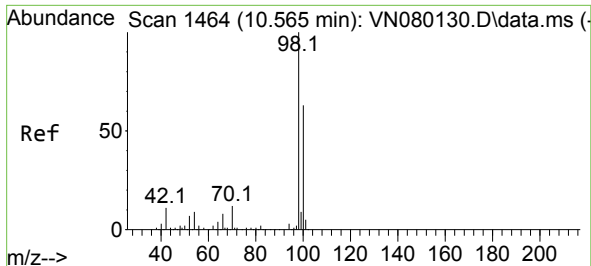
Tgt Ion:117 Resp: 17775
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.255 ug/l
RT: 8.736 min Scan# 1153
Delta R.T. 0.047 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

Tgt Ion: 43 Resp: 1038
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

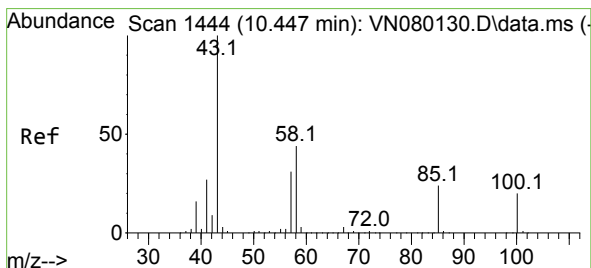
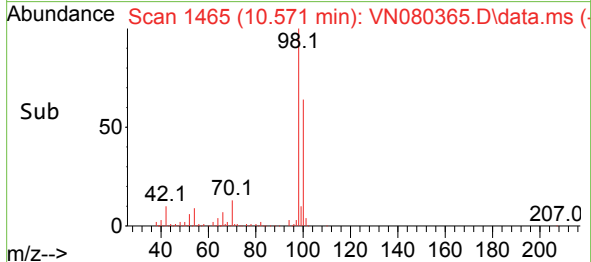
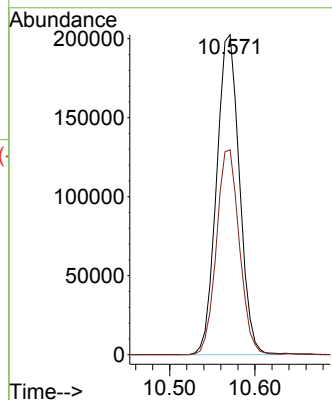
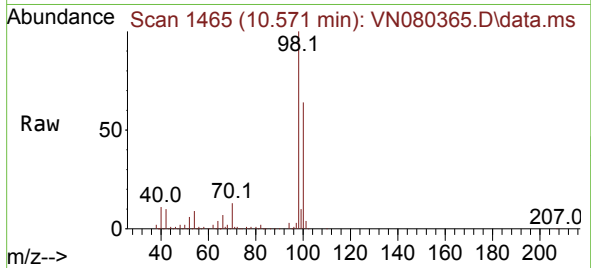




#50
Toluene-d8
Concen: 50.211 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

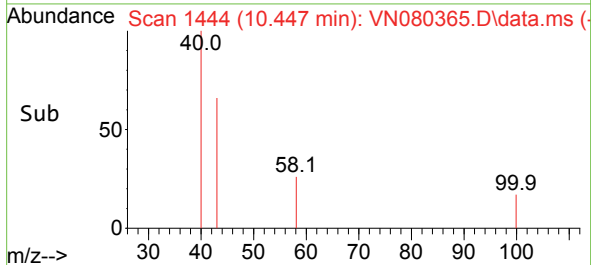
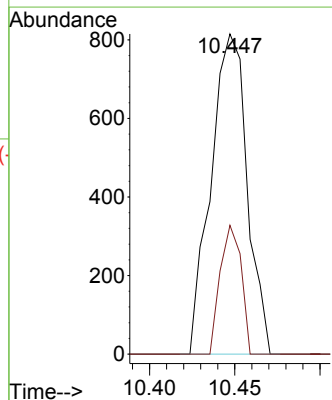
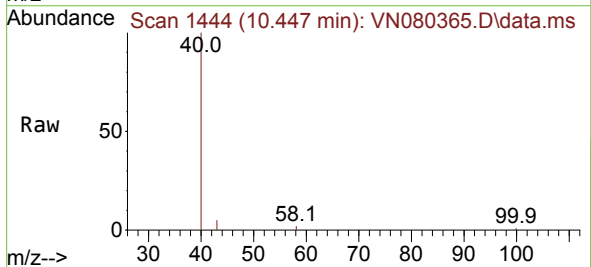
Instrument :
MSVOA_N
ClientSampleId :

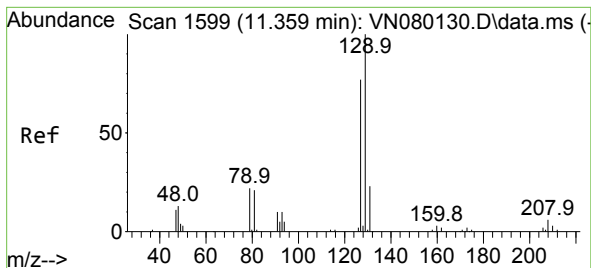
Tgt Ion: 98 Resp: 377521
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.571 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

Tgt Ion: 43 Resp: 1204
Ion Ratio Lower Upper
43 100
58 23.3 36.6 54.8#

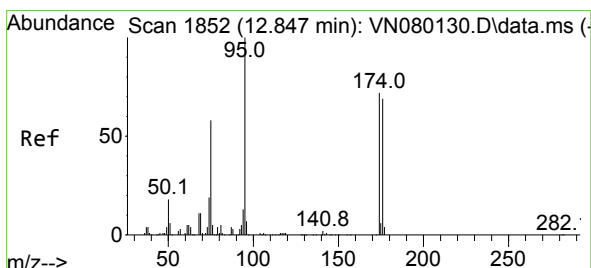
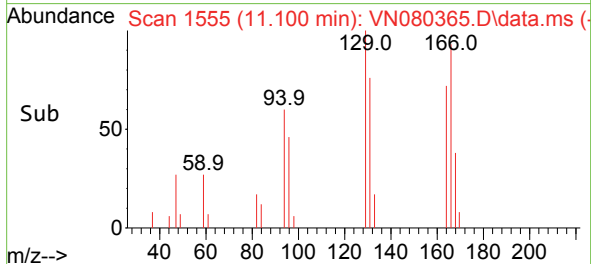
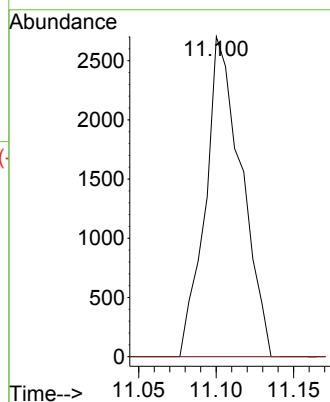
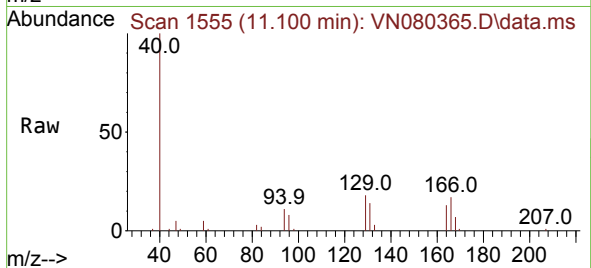




#60
Dibromochloromethane
Concen: 1.780 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

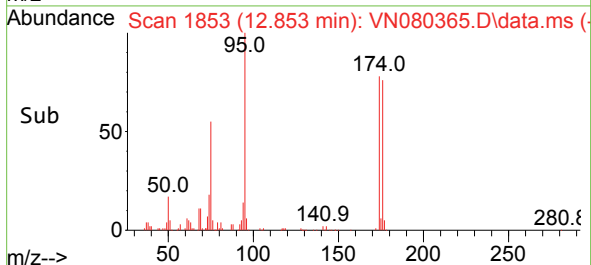
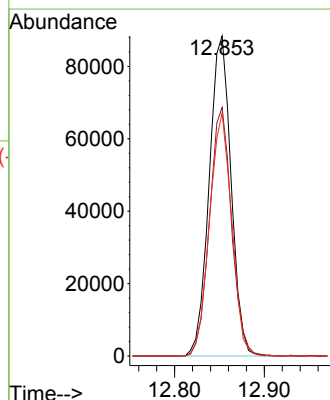
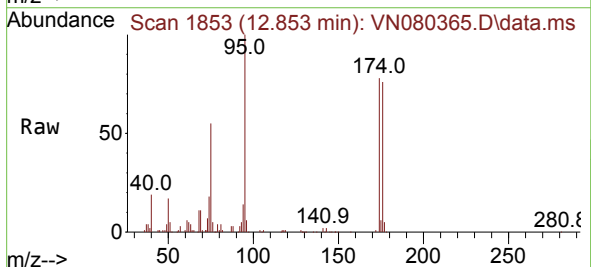
Instrument :
MSVOA_N
ClientSampleId :

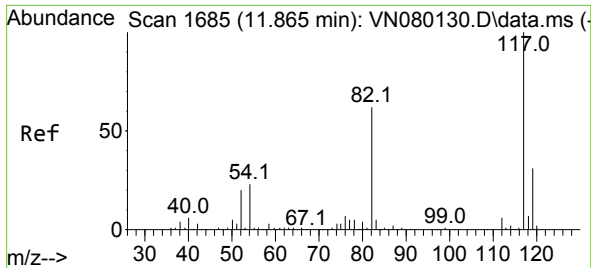
Tgt Ion:129 Resp: 4368
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 52.631 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

Tgt Ion: 95 Resp: 149467
Ion Ratio Lower Upper
95 100
174 78.4 0.0 143.8
176 76.5 0.0 135.8

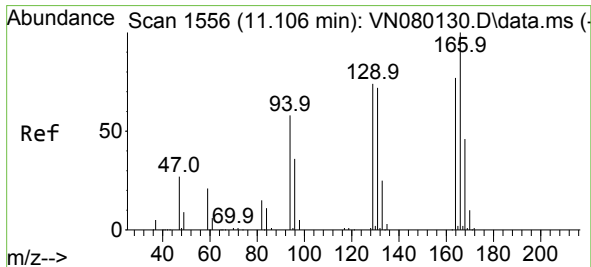
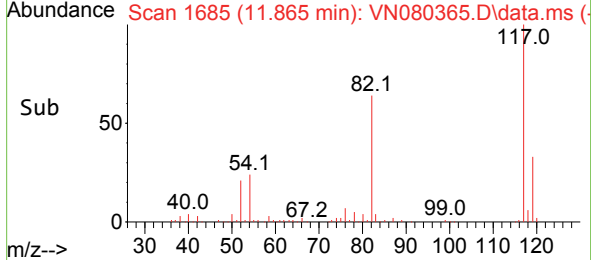
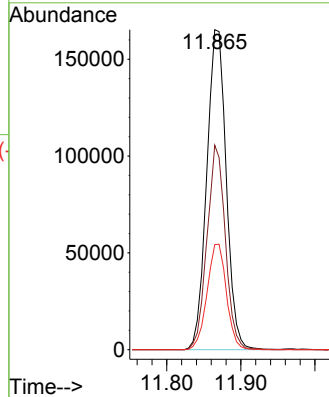
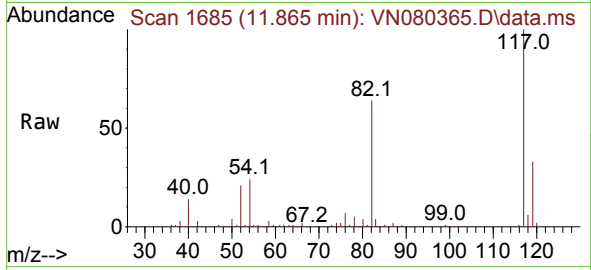




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

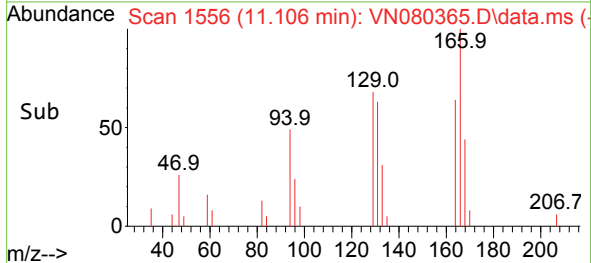
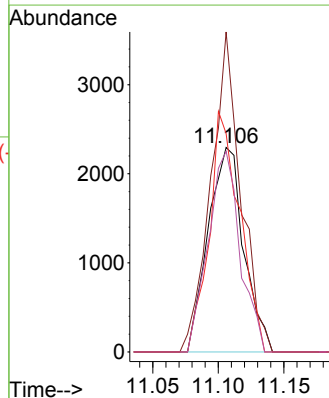
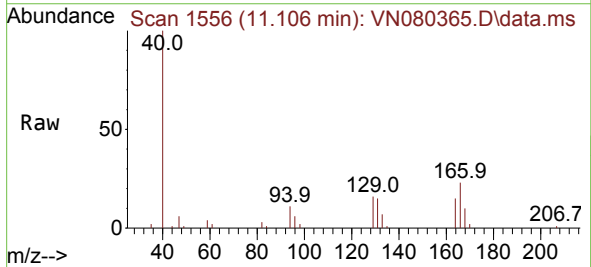
Instrument :
MSVOA_N
ClientSampleId :

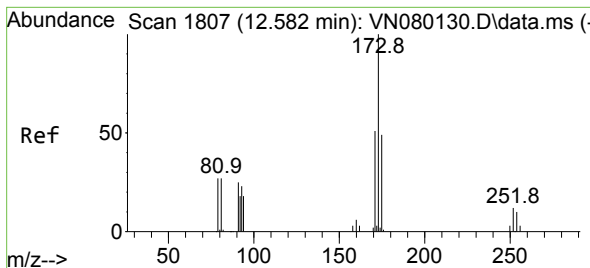
Tgt Ion:117 Resp: 301596
Ion Ratio Lower Upper
117 100
82 63.9 44.0 66.0
119 32.9 25.6 38.4



#64
Tetrachloroethene
Concen: 1.883 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN080365.D
Acq: 05 Dec 2023 14:47

Tgt Ion:164 Resp: 4334
Ion Ratio Lower Upper
164 100
166 156.5 101.4 152.0#
129 106.8 82.4 123.6
131 98.2 78.2 117.4





#71

Bromoform

Concen: 0.217 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

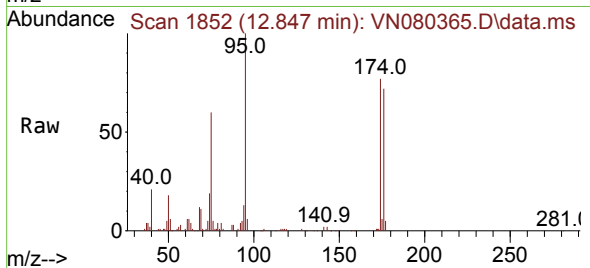
Lab File: VN080365.D

Acq: 05 Dec 2023 14:47

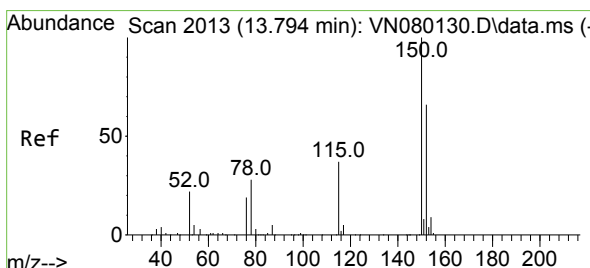
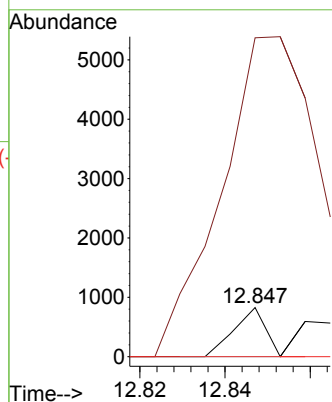
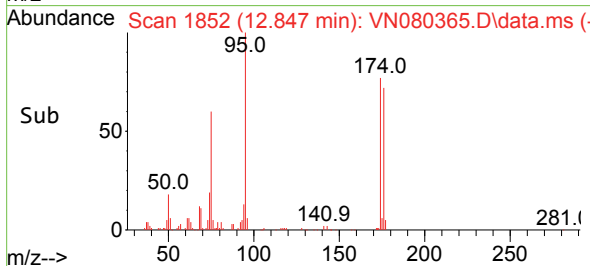
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	427
Ion Ratio	Lower	Upper	
173	100		
175	1755.3	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

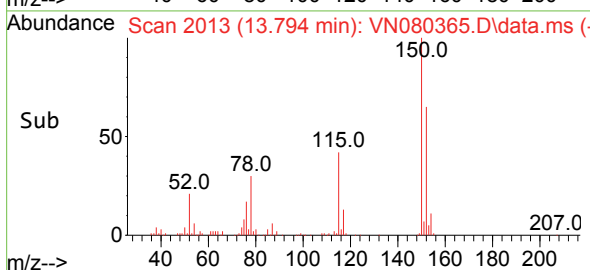
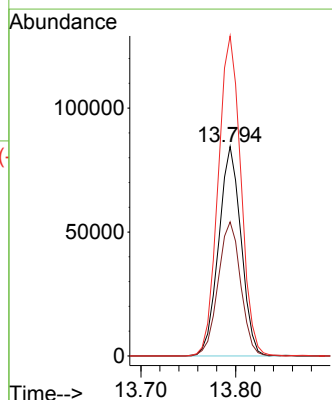
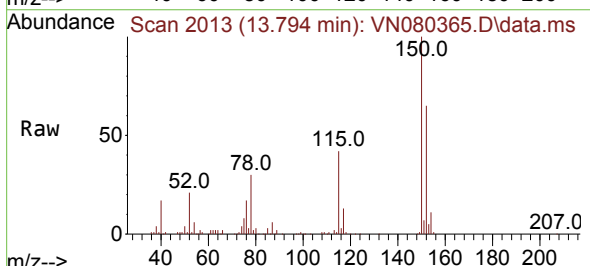
RT: 13.794 min Scan# 2013

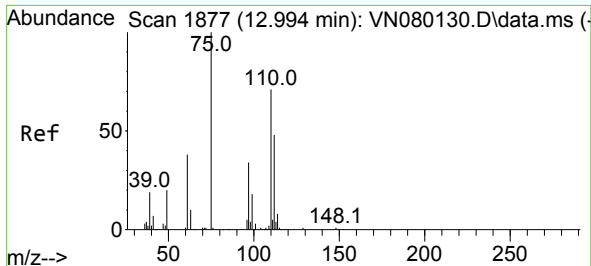
Delta R.T. 0.000 min

Lab File: VN080365.D

Acq: 05 Dec 2023 14:47

Tgt Ion:	152	Resp:	138683
Ion Ratio	Lower	Upper	
152	100		
115	64.6	32.3	96.8
150	155.0	0.0	355.8

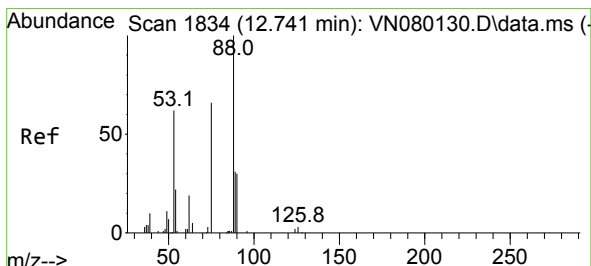
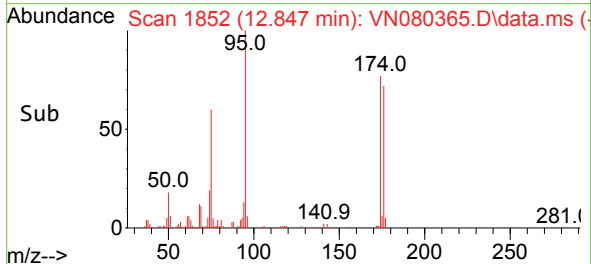
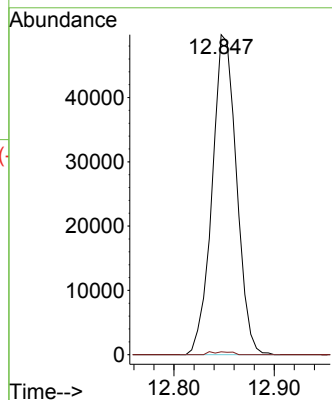
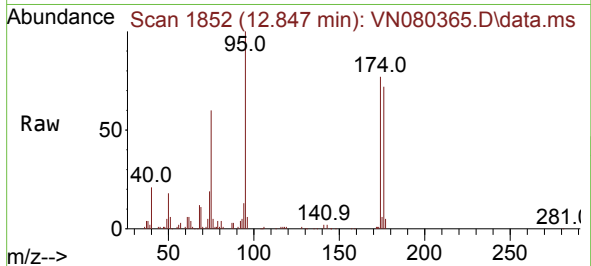




#76
 1,2,3-Trichloropropane
 Concen: 24.698 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080365.D
 Acq: 05 Dec 2023 14:47

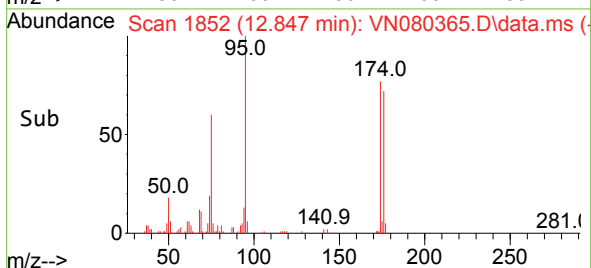
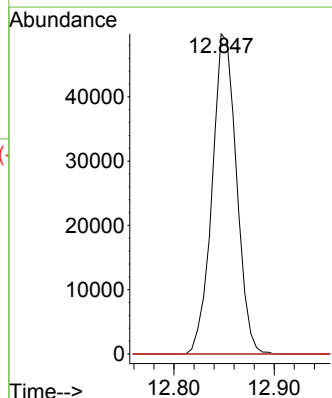
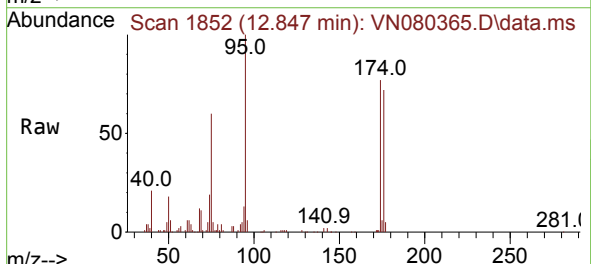
Instrument :
 MSVOA_N
 ClientSampleId :

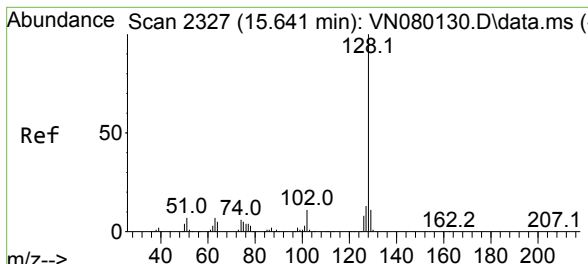
Tgt Ion: 75 Resp: 83923
 Ion Ratio Lower Upper
 75 100
 77 0.8 84.5 253.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.444 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.106 min
 Lab File: VN080365.D
 Acq: 05 Dec 2023 14:47

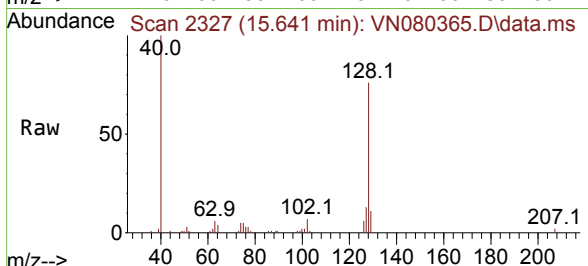
Tgt Ion: 75 Resp: 83923
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#





#95
 Naphthalene
 Concen: 3.695 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080365.D
 Acq: 05 Dec 2023 14:47

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	29194
Ion Ratio	100	Lower	Upper
128	100		
127	12.7	10.0	15.0
129	11.6	8.7	13.1

