

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122123\
 Data File : VN080566.D
 Acq On : 21 Dec 2023 12:07
 Operator : JC\MD
 Sample : VN1221WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 22 03:57:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

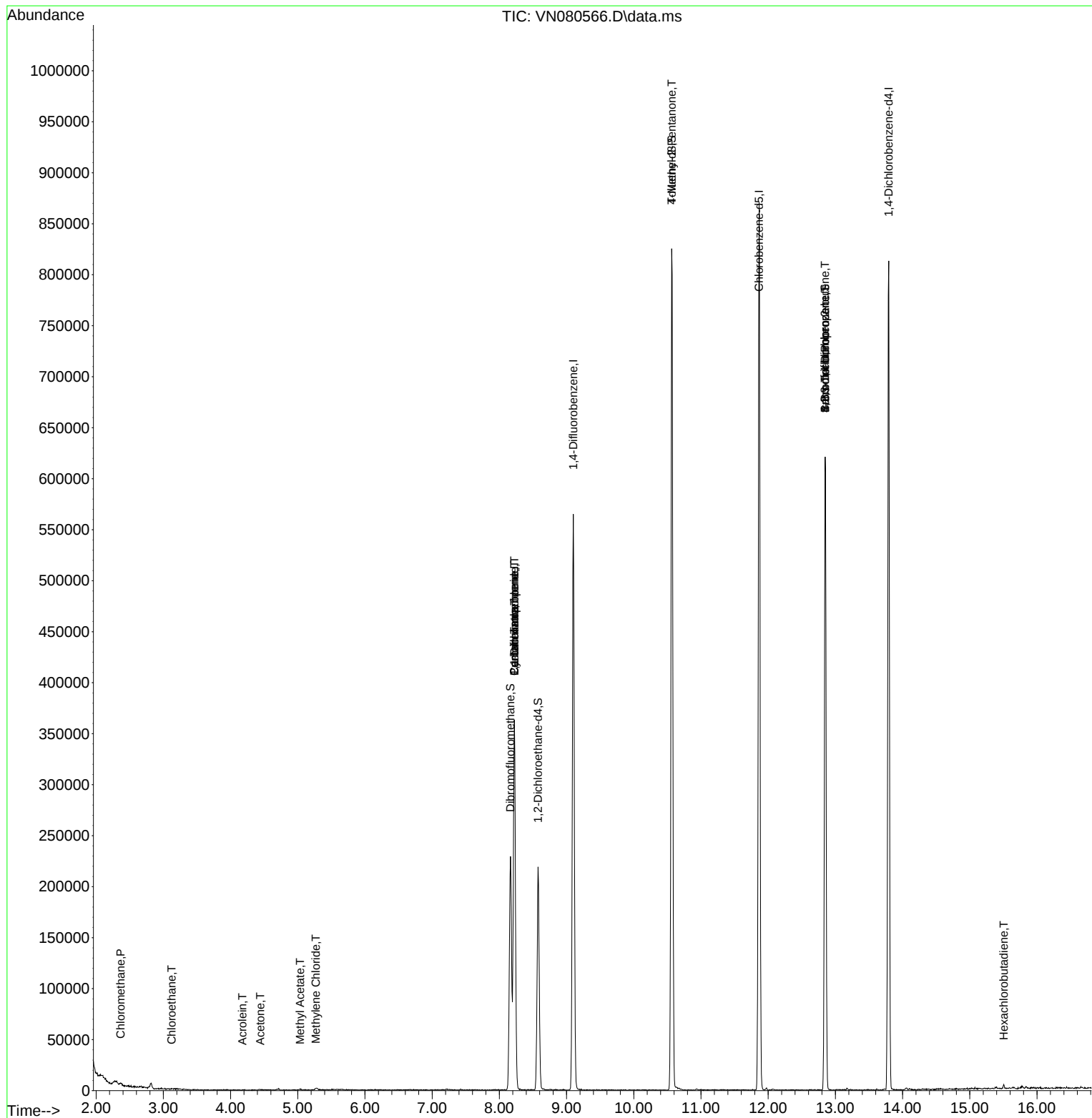
Internal Standards						
1) Pentafluorobenzene	8.224	168	259880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	479336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	516130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	221056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	182038	54.843	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.680%	
35) Dibromofluoromethane	8.165	113	162545	53.483	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.960%	
50) Toluene-d8	10.565	98	583550	51.484	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.960%	
62) 4-Bromofluorobenzene	12.847	95	226574	52.642	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3430	0.588	ug/l	94
6) Chloroethane	3.124	64	716	0.393	ug/l #	43
13) Acrolein	4.177	56	291	0.680	ug/l #	57
16) Acetone	4.442	43	875	1.487	ug/l #	40
18) Methyl Acetate	5.036	43	794	0.210	ug/l #	42
20) Methylene Chloride	5.271	84	1480	0.470	ug/l #	74
31) Cyclohexane	8.224	56	5051	1.119	ug/l #	20
36) 1,1-Dichloropropene	8.224	75	20217	4.068	ug/l #	47
38) Carbon Tetrachloride	8.224	117	28623	4.821	ug/l #	15
51) 4-Methyl-2-Pentanone	10.565	43	1987	0.645	ug/l #	1
71) Bromoform	12.847	173	1011	0.308	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	120817	27.396	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	120817	71.931	ug/l #	15
94) Hexachlorobutadiene	15.506	225	757	0.328	ug/l	83

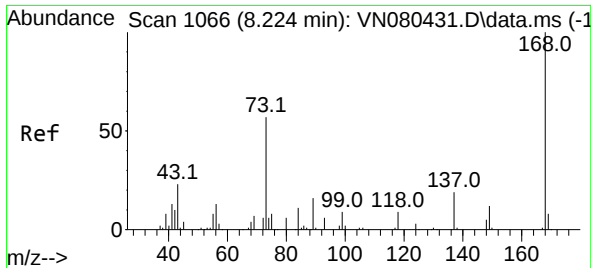
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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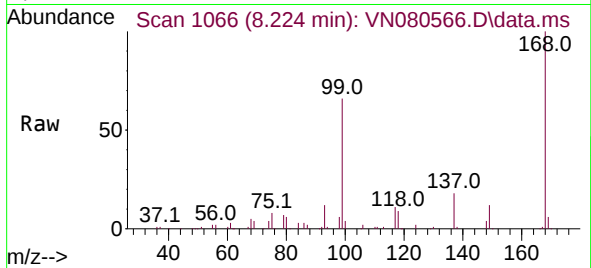
Quant Time: Dec 22 03:57:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration



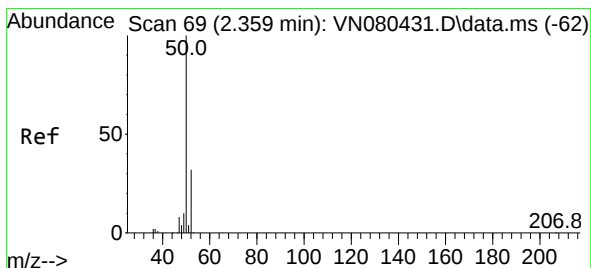
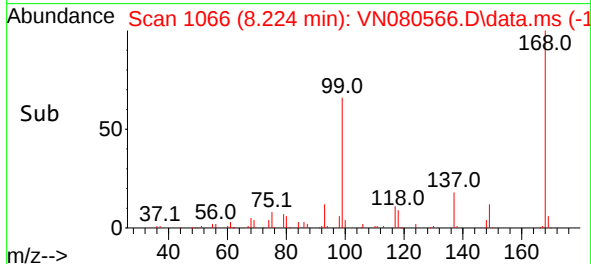
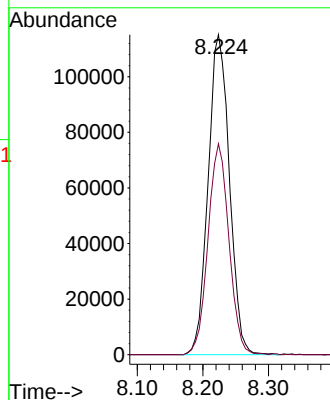


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

Instrument :
MSVOA_N
ClientSampleId :

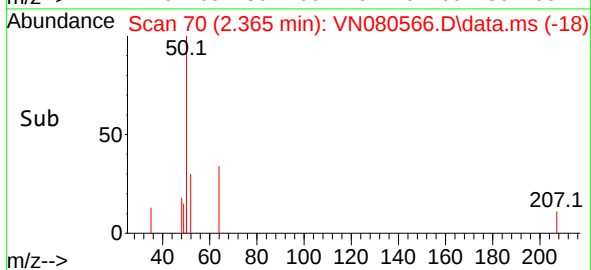
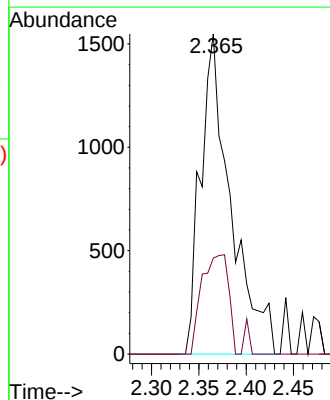
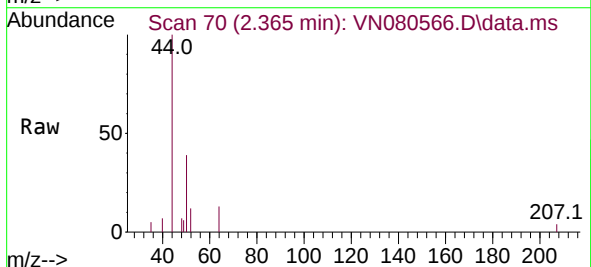


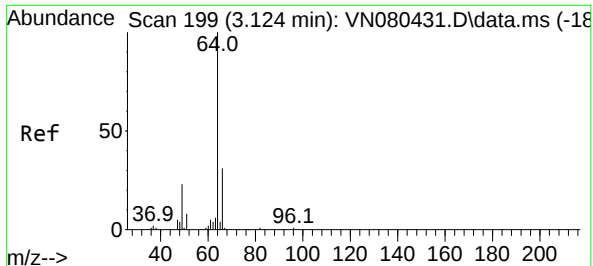
Tgt Ion:168 Resp: 259880
Ion Ratio Lower Upper
168 100
99 65.9 53.0 79.6



#3
Chloromethane
Concen: 0.588 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

Tgt Ion: 50 Resp: 3430
Ion Ratio Lower Upper
50 100
52 30.0 26.5 39.7

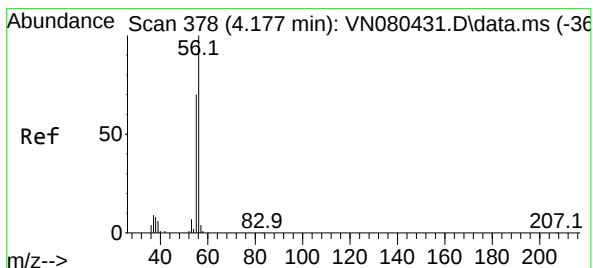
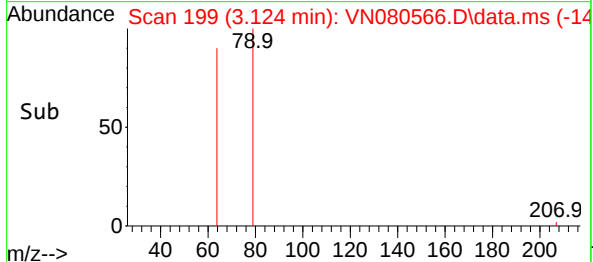
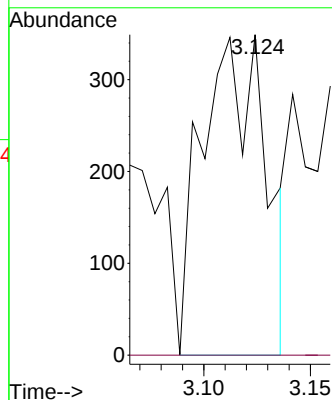
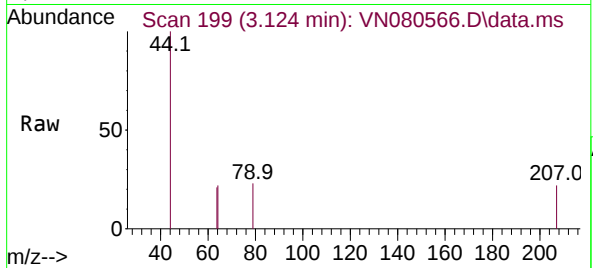




#6
Chloroethane
Concen: 0.393 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

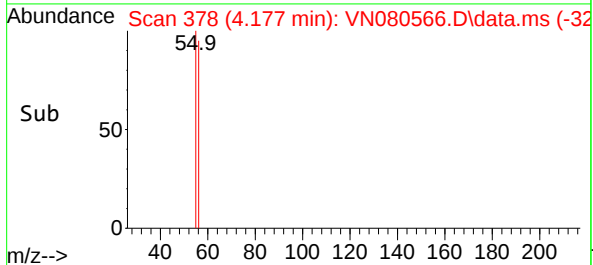
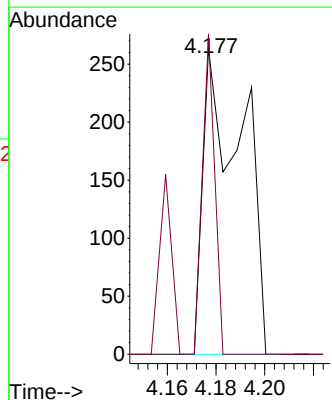
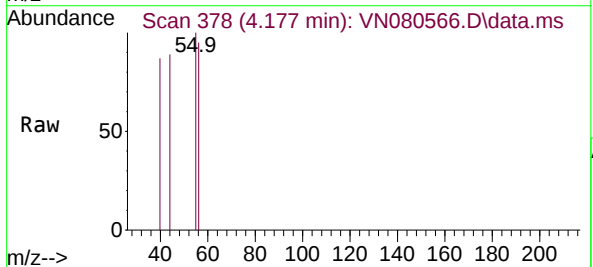
Instrument :
MSVOA_N
ClientSampleId :

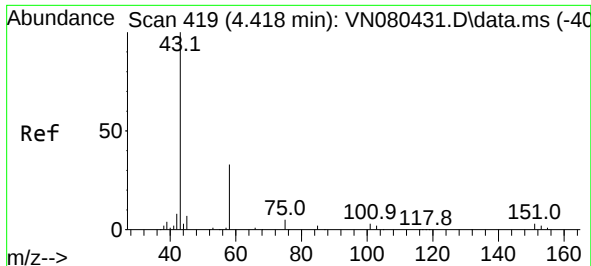
Tgt Ion: 64 Resp: 716
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 0.680 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

Tgt Ion: 56 Resp: 291
Ion Ratio Lower Upper
56 100
55 33.3 54.5 81.7#

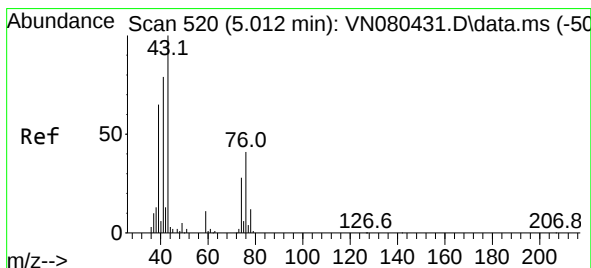
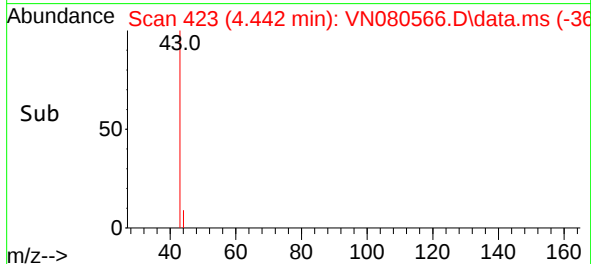
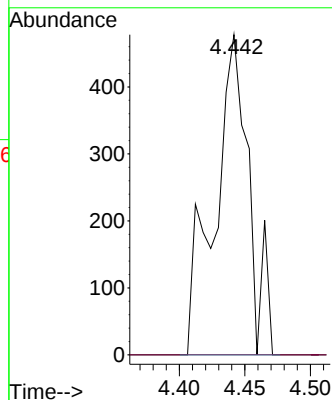
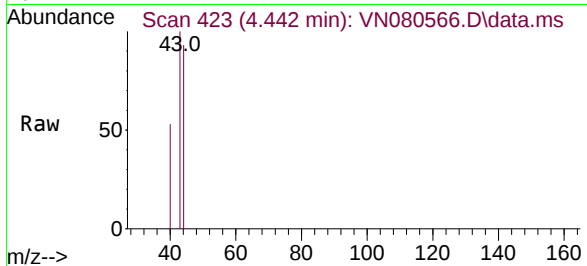




#16
Acetone
Concen: 1.487 ug/l
RT: 4.442 min Scan# 419
Delta R.T. 0.024 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

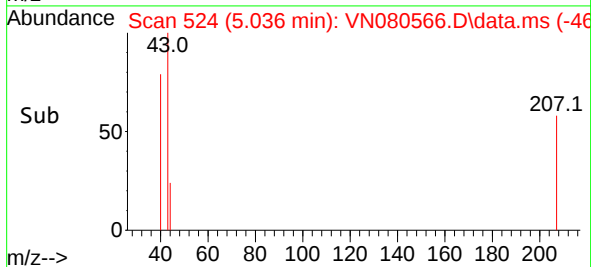
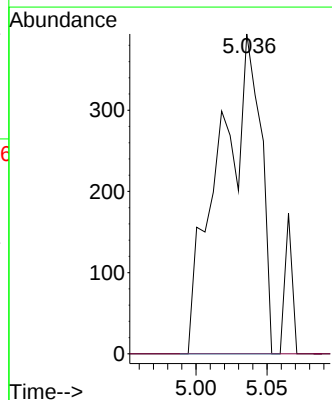
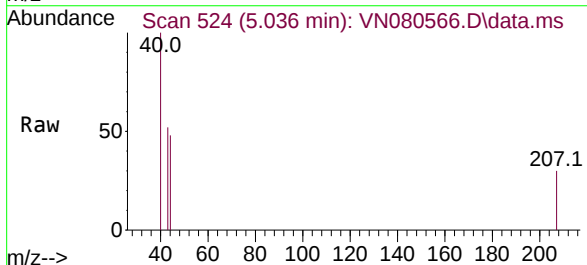
Instrument :
MSVOA_N
ClientSampleId :

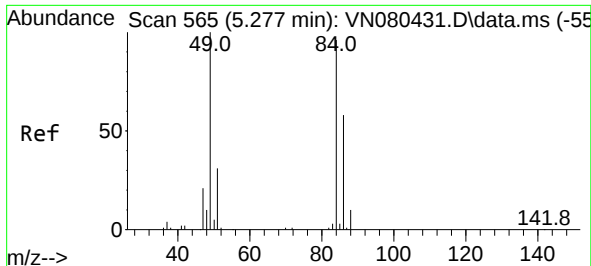
Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.024 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

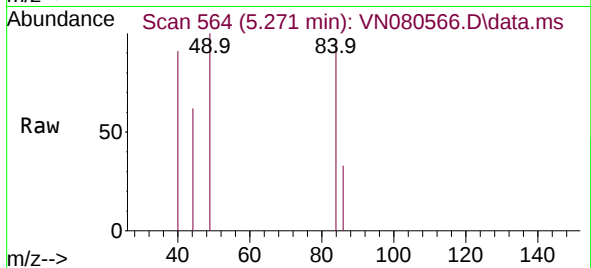
Tgt Ion: 43 Resp: 794
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



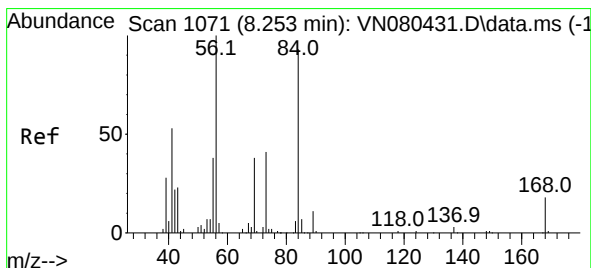
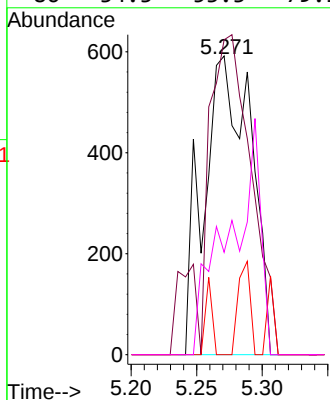
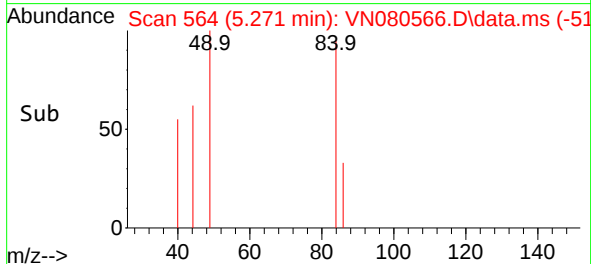


#20
Methylene Chloride
Concen: 0.470 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

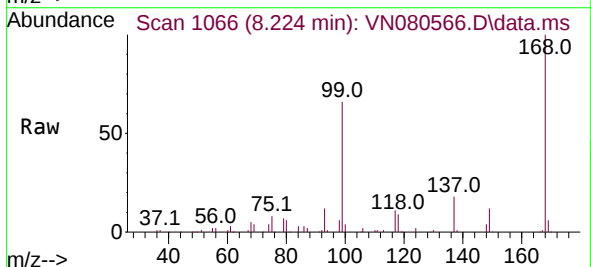
Instrument :
MSVOA_N
ClientSampleId :



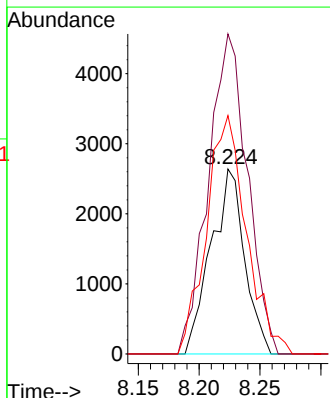
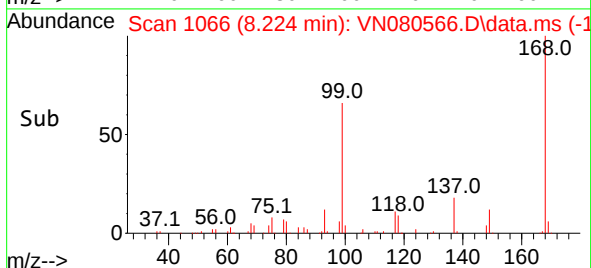
Tgt Ion:	84	Resp:	1480
Ion	Ratio	Lower	Upper
84	100		
49	105.4	79.7	119.5
51	0.0	25.2	37.8#
86	34.3	53.3	79.9#

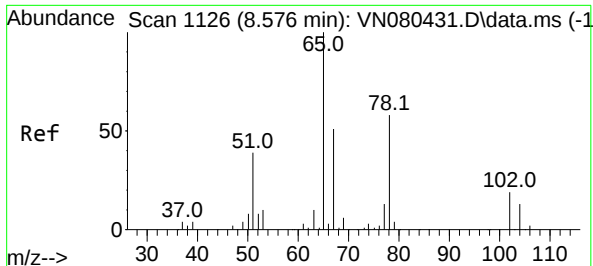


#31
Cyclohexane
Concen: 1.119 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07



Tgt Ion:	56	Resp:	5051
Ion	Ratio	Lower	Upper
56	100		
69	173.1	26.8	40.2#
84	129.0	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 54.843 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080566.D

Acq: 21 Dec 2023 12:07

Instrument :

MSVOA_N

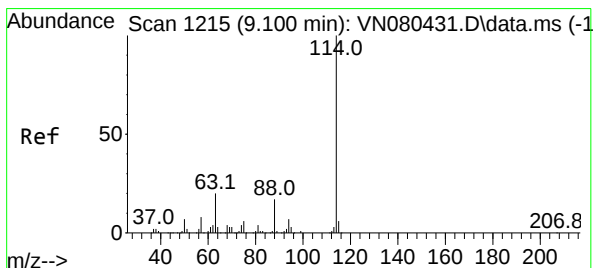
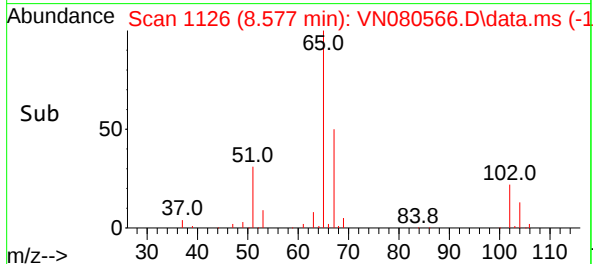
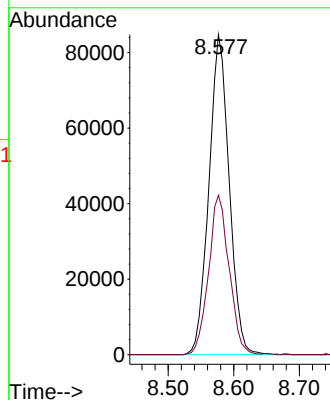
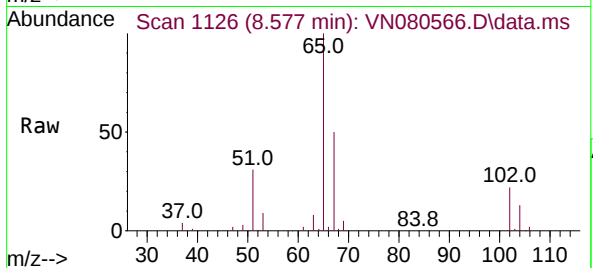
ClientSampleId :

Tgt Ion: 65 Resp: 182038

Ion Ratio Lower Upper

65 100

67 50.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080566.D

Acq: 21 Dec 2023 12:07

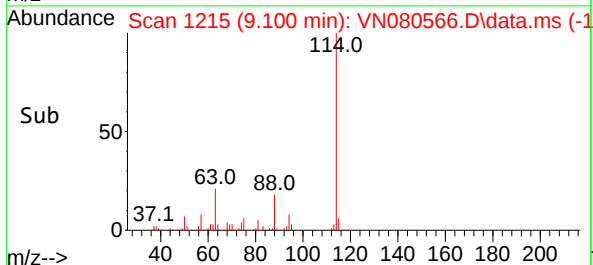
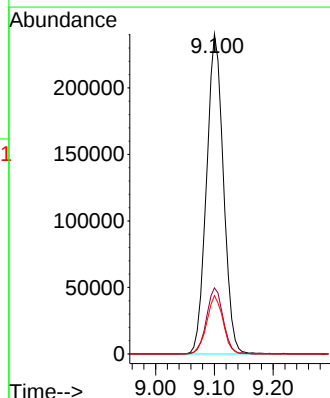
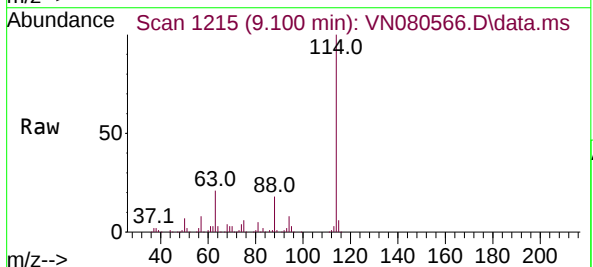
Tgt Ion: 114 Resp: 479336

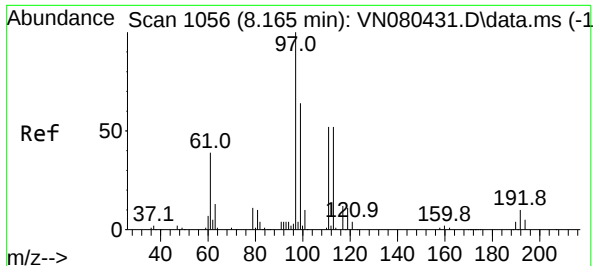
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

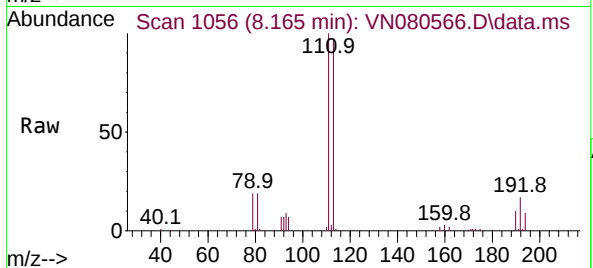
88 18.2 0.0 30.6



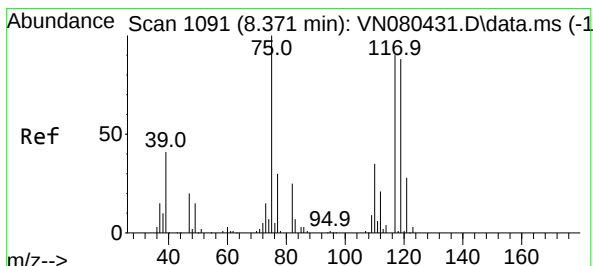
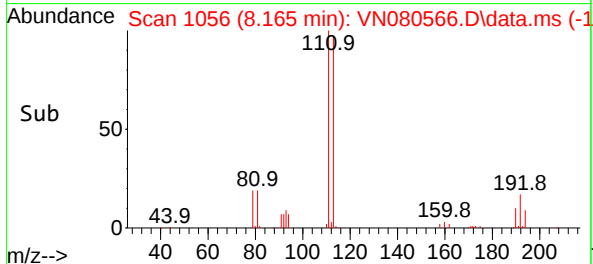
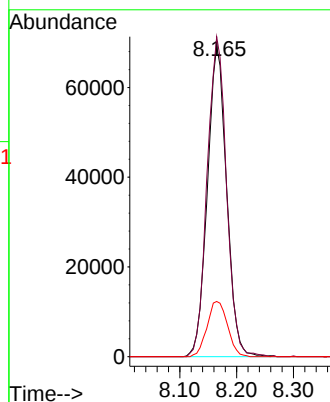


#35
Dibromofluoromethane
Concen: 53.483 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

Instrument :
MSVOA_N
ClientSampleId :

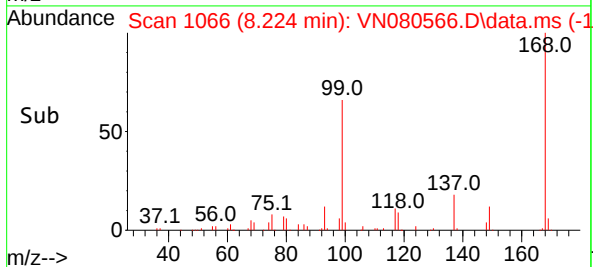
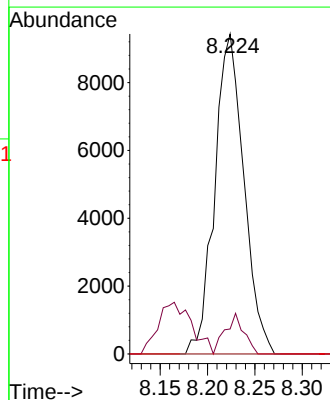
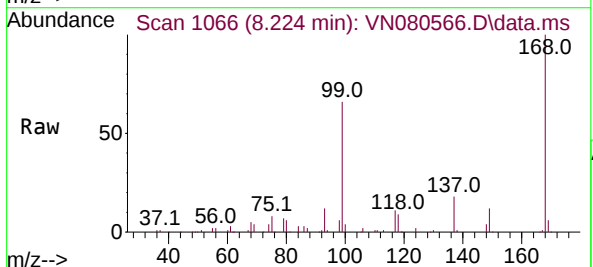


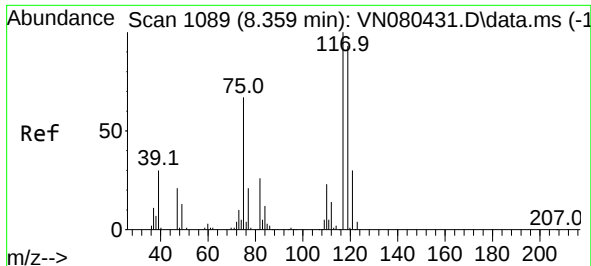
Tgt Ion:113 Resp: 162545
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 18.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.068 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

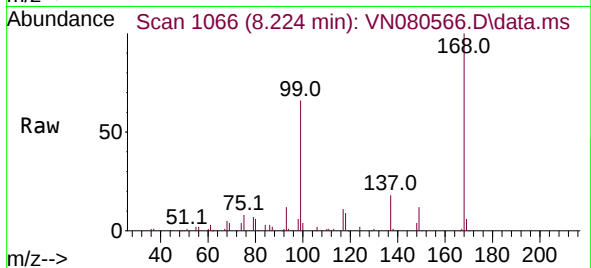
Tgt Ion: 75 Resp: 20217
Ion Ratio Lower Upper
75 100
110 8.1 19.1 57.3#
77 0.0 25.0 37.4#



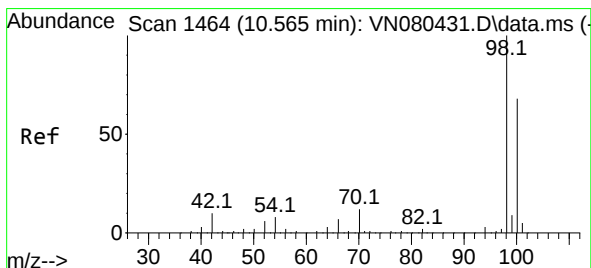
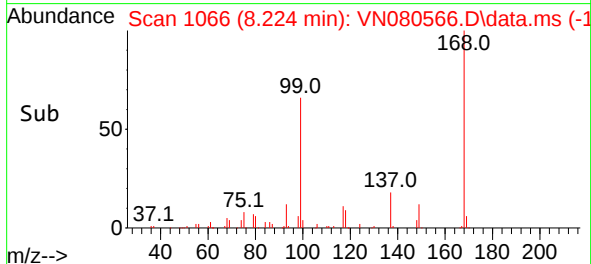
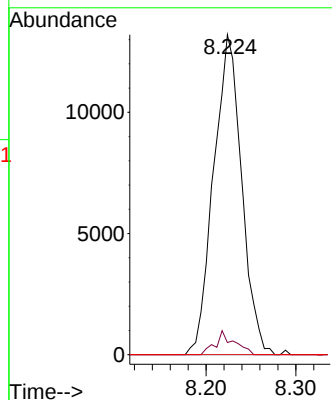


#38
Carbon Tetrachloride
Concen: 4.821 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

Instrument :
MSVOA_N
ClientSampleId :

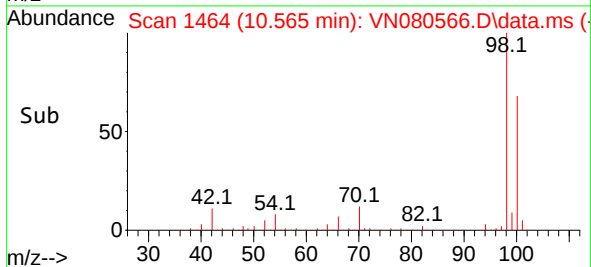
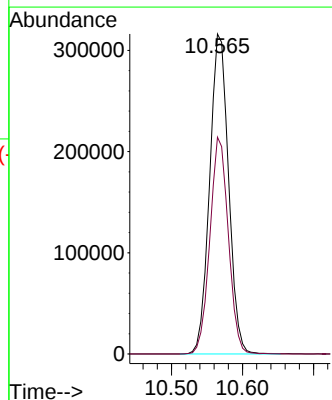
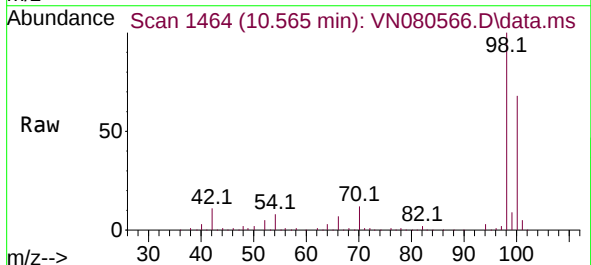


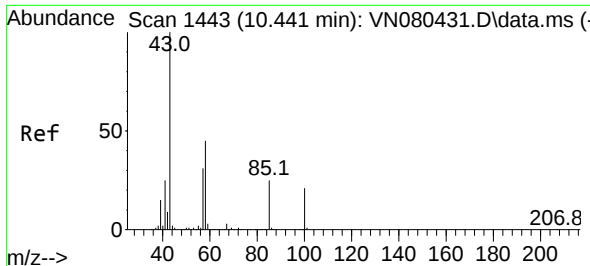
Tgt Ion:117 Resp: 28623
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 51.484 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

Tgt Ion: 98 Resp: 583550
Ion Ratio Lower Upper
98 100
100 66.2 52.0 78.0

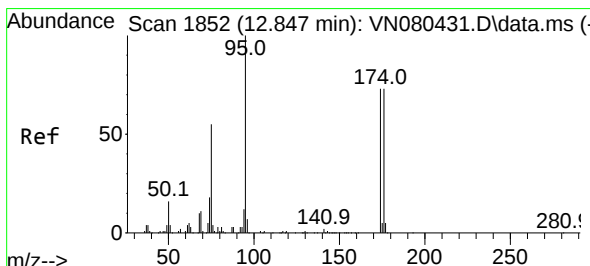
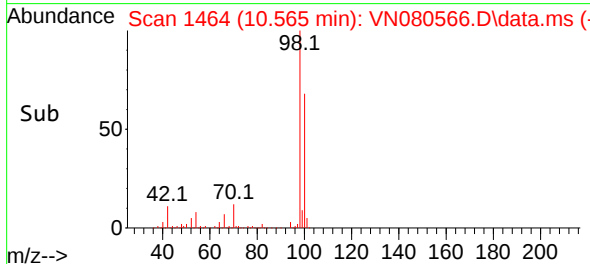
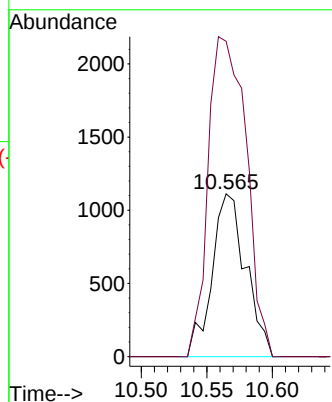
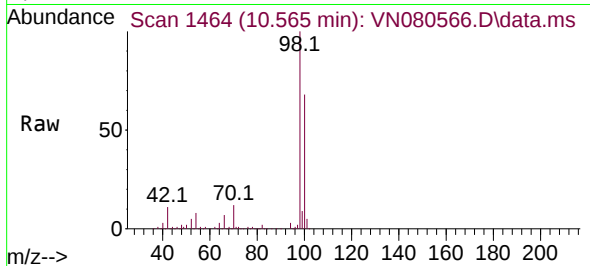




#51
4-Methyl-2-Pentanone
Concen: 0.645 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.124 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

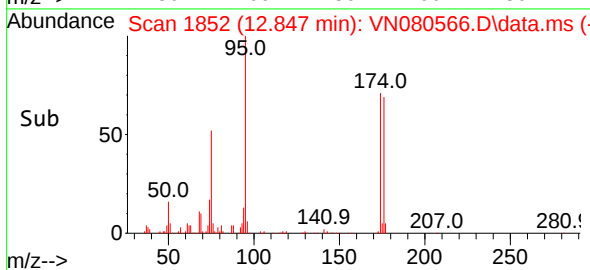
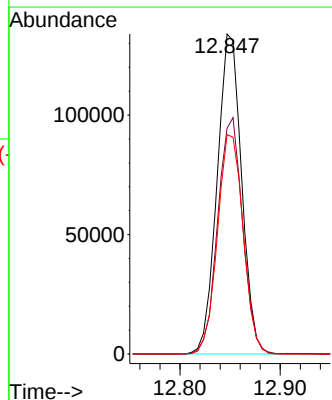
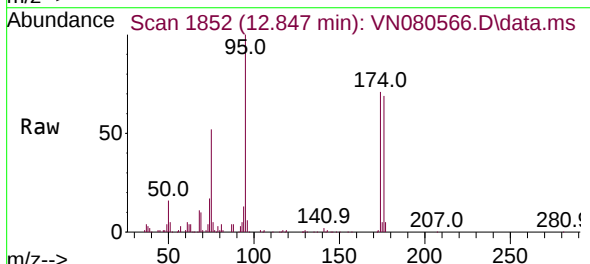
Instrument :
MSVOA_N
ClientSampleId :

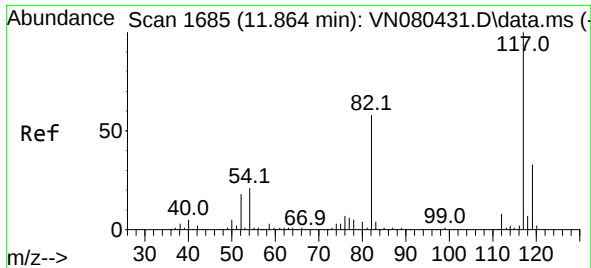
Tgt Ion: 43 Resp: 1987
Ion Ratio Lower Upper
43 100
58 221.7 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 52.642 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

Tgt Ion: 95 Resp: 226574
Ion Ratio Lower Upper
95 100
174 75.1 0.0 143.8
176 71.8 0.0 135.8

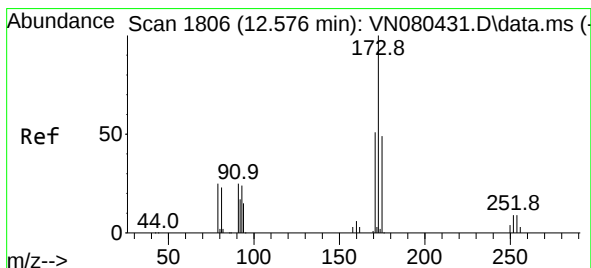
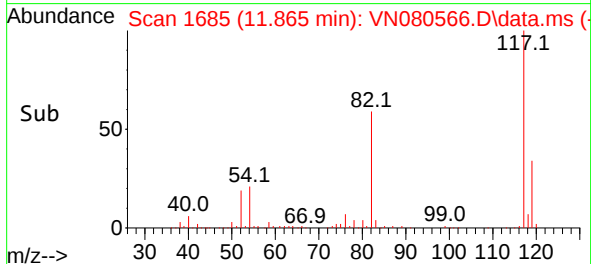
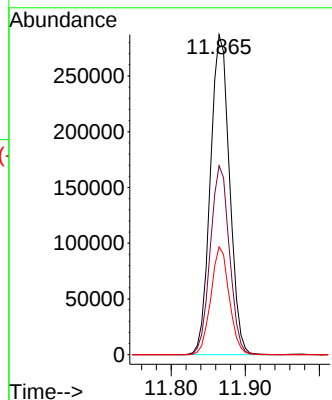
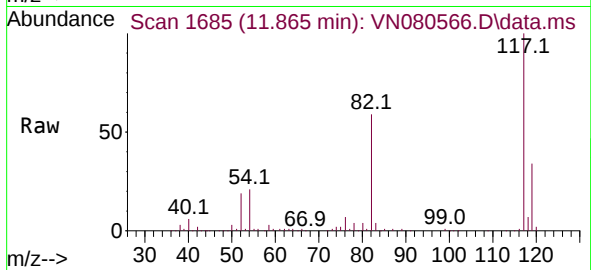




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

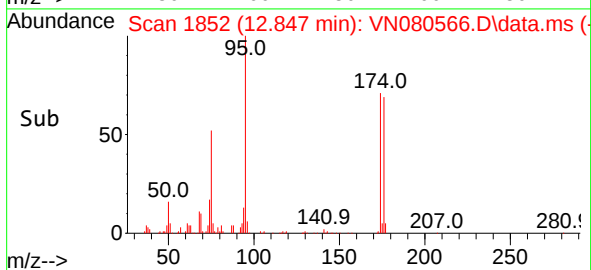
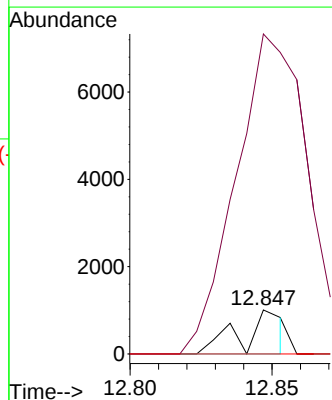
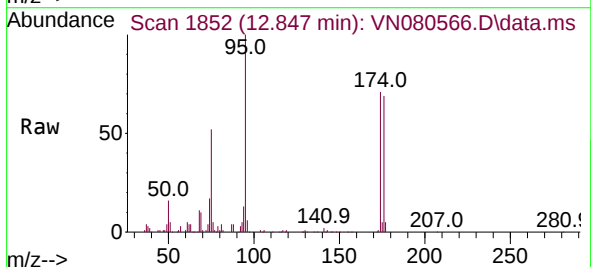
Instrument :
MSVOA_N
ClientSampleId :

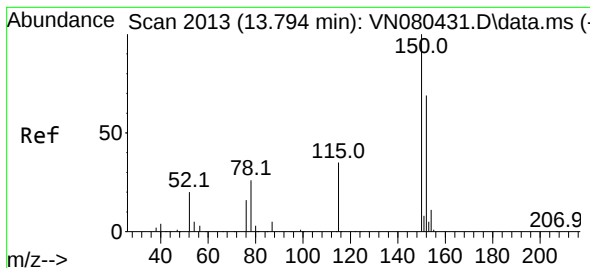
Tgt Ion:117 Resp: 516130
Ion Ratio Lower Upper
117 100
82 59.1 44.0 66.0
119 33.7 25.6 38.4



#71
Bromoform
Concen: 0.308 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

Tgt Ion:173 Resp: 1011
Ion Ratio Lower Upper
173 100
175 872.9 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

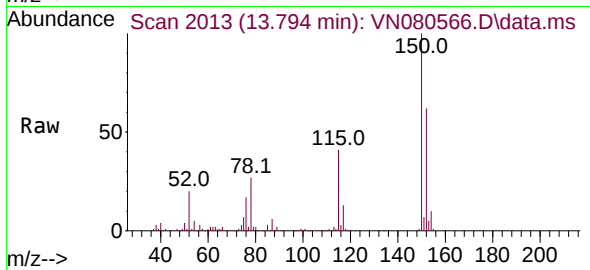
Lab File: VN080566.D

Acq: 21 Dec 2023 12:07

Instrument :

MSVOA_N

ClientSampleId :



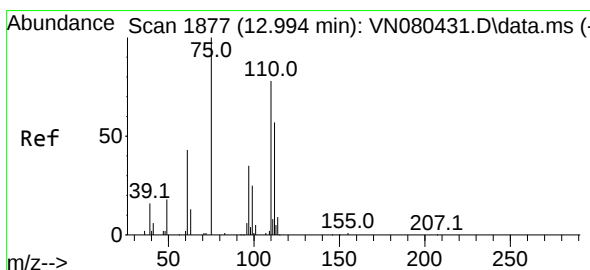
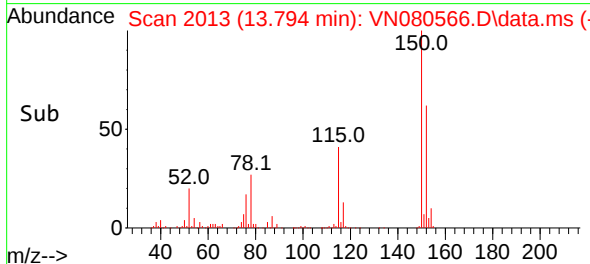
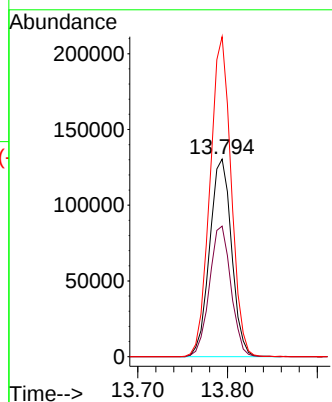
Tgt Ion:152 Resp: 221056

Ion Ratio Lower Upper

152 100

115 64.9 32.3 96.8

150 156.4 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 27.396 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080566.D

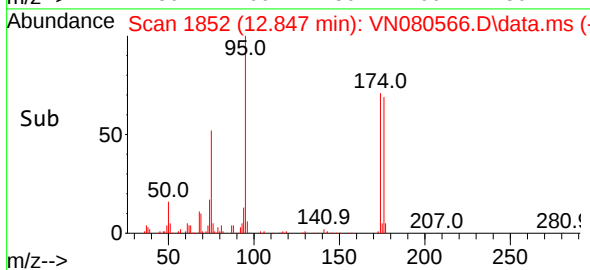
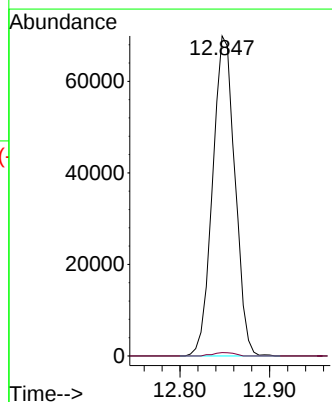
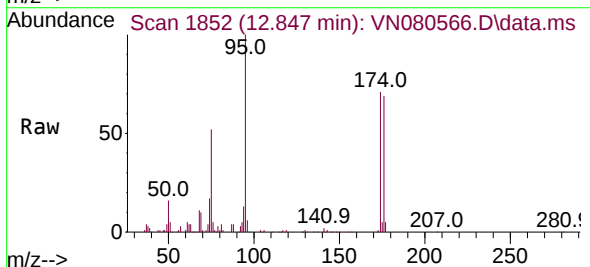
Acq: 21 Dec 2023 12:07

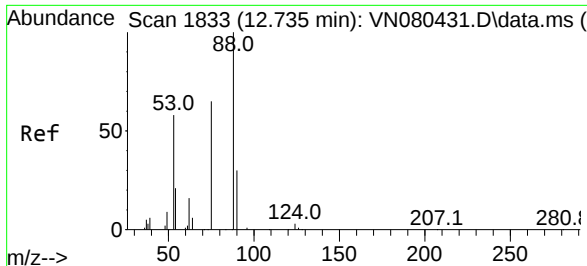
Tgt Ion: 75 Resp: 120817

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#

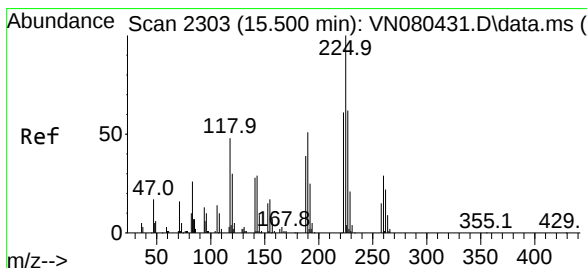
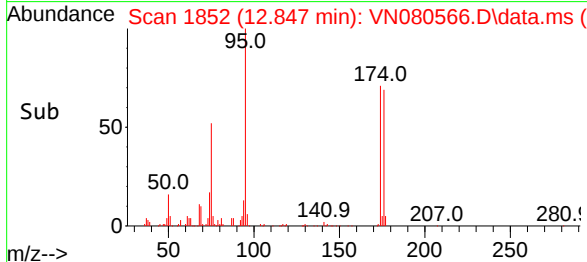
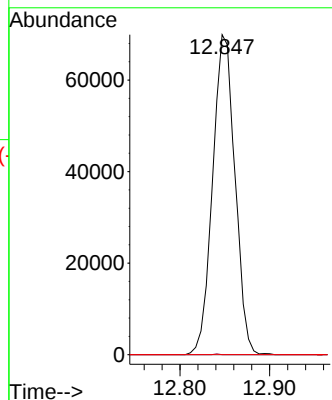
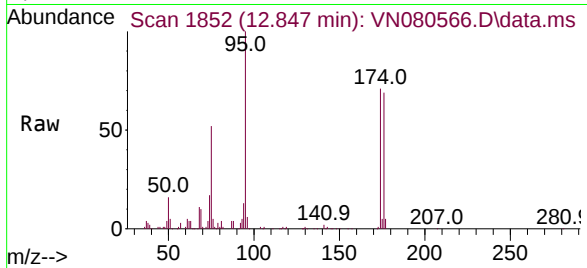




#81
trans-1,4-Dichloro-2-butene
Concen: 71.931 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 120817
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#94
Hexachlorobutadiene
Concen: 0.328 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN080566.D
Acq: 21 Dec 2023 12:07

Tgt Ion: 225 Resp: 757
Ion Ratio Lower Upper
225 100
223 68.8 31.3 93.8
227 43.9 31.9 95.9

