

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111023\
 Data File : VN080046.D
 Acq On : 10 Nov 2023 12:08
 Operator : JC\MD
 Sample : VN1110WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 23:56:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

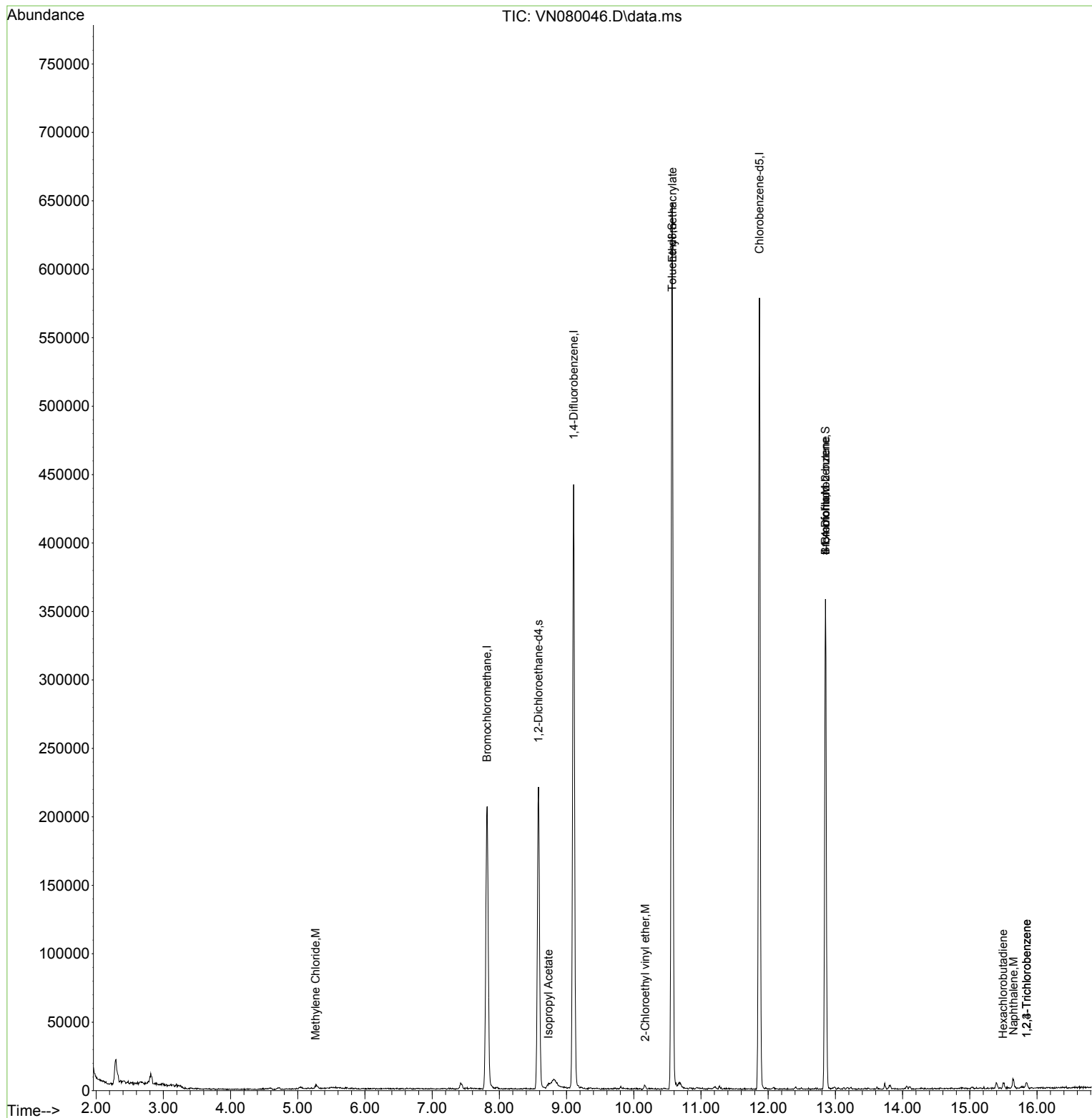
Internal Standards						
1) Bromochloromethane	7.818	128	71414	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	356920	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	324481	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	181407	30.261	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.867%
60) 4-Bromofluorobenzene	12.853	95	128156	24.698	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.333%
63) Toluene-d8	10.570	98	442919	28.809	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.033%
Target Compounds						
					Qvalue	
18) Methylene Chloride	5.265	84	1348	0.273	ug/l #	84
44) Isopropyl Acetate	8.729	43	2863	0.320	ug/l #	1
51) Ethyl methacrylate	10.576	69	1358	0.222	ug/l #	34
55) 2-Chloroethyl vinyl ether	10.170	63	1366	0.487	ug/l #	63
56) Bromoform	12.853	173	1309	0.440	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	68005	37.385	ug/l #	7
89) 1,2,4-Trichlorobenzene	15.847	180	1758	0.505	ug/l #	82
90) Hexachlorobutadiene	15.494	225	1166	0.680	ug/l #	24
91) Naphthalene	15.652	128	6165	0.552	ug/l #	94
92) 1,2,3-Trichlorobenzene	15.847	180	1758	0.505	ug/l	82

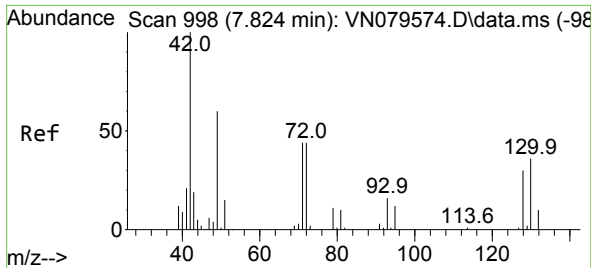
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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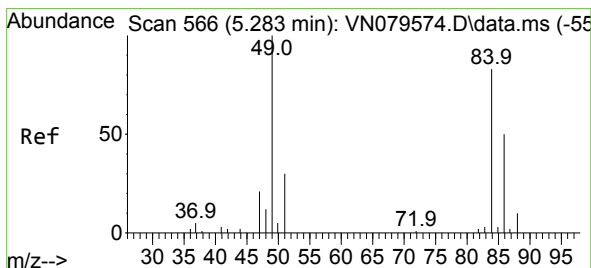
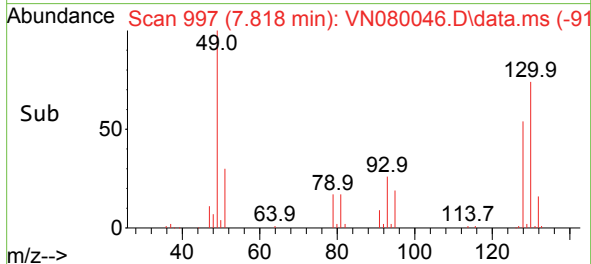
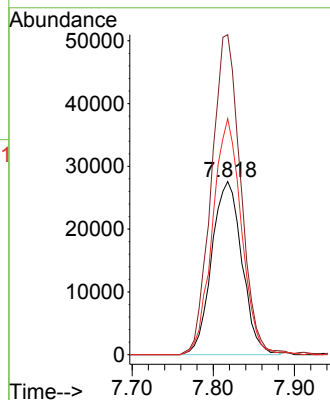
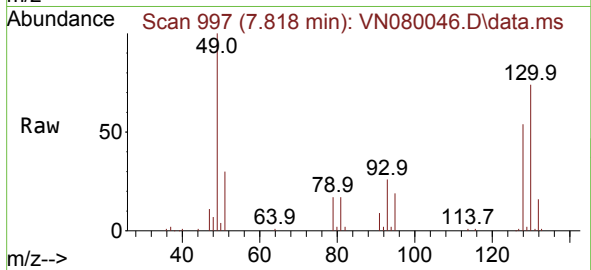




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN080046.D
Acq: 10 Nov 2023 12:08

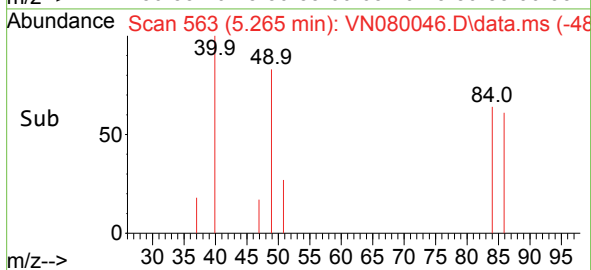
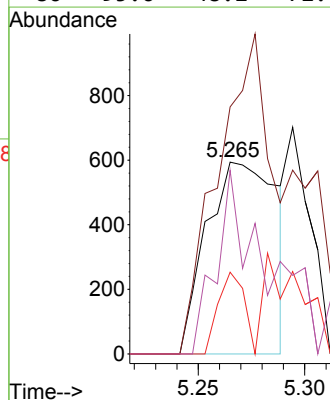
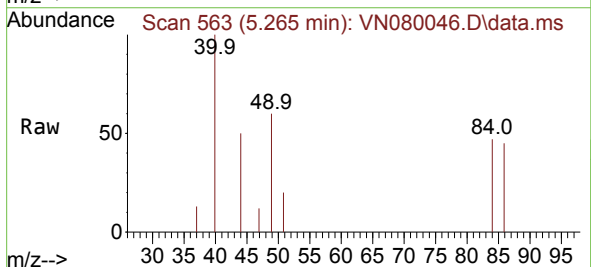
Instrument :
MSVOA_N
ClientSampleId :

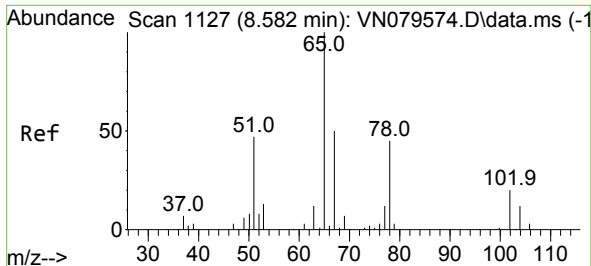
Tgt Ion:128 Resp: 71414
Ion Ratio Lower Upper
128 100
49 177.4 0.0 468.5
130 129.6 0.0 320.7



#18
Methylene Chloride
Concen: 0.273 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.018 min
Lab File: VN080046.D
Acq: 10 Nov 2023 12:08

Tgt Ion: 84 Resp: 1348
Ion Ratio Lower Upper
84 100
49 128.8 100.9 151.3
51 42.6 29.4 44.2
86 95.6 48.2 72.4#





#27

1,2-Dichloroethane-d4

Concen: 30.261 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080046.D

Acq: 10 Nov 2023 12:08

Instrument :

MSVOA_N

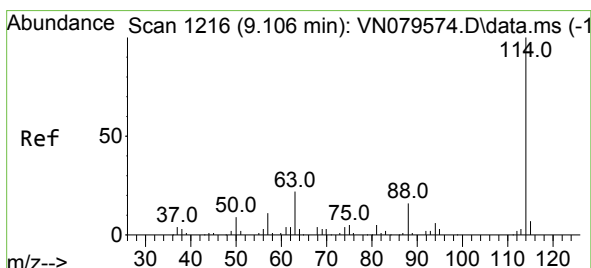
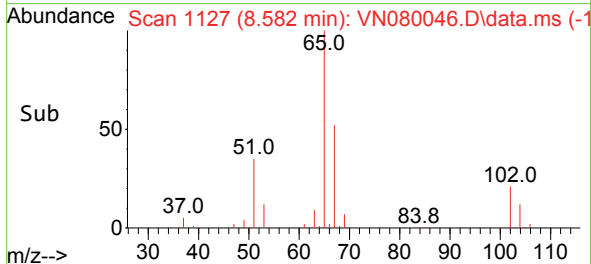
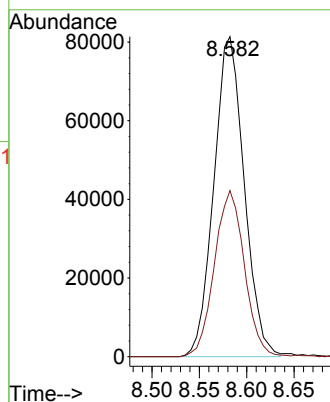
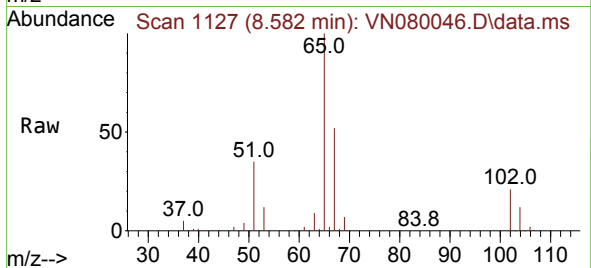
ClientSampleId :

Tgt Ion: 65 Resp: 181407

Ion Ratio Lower Upper

65 100

67 51.3 42.1 63.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080046.D

Acq: 10 Nov 2023 12:08

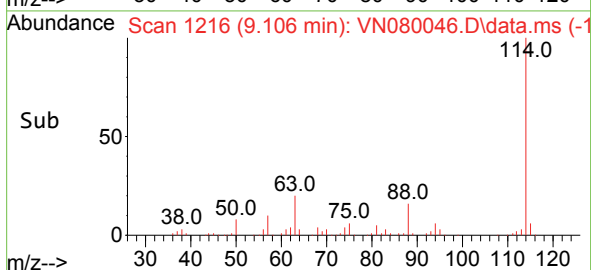
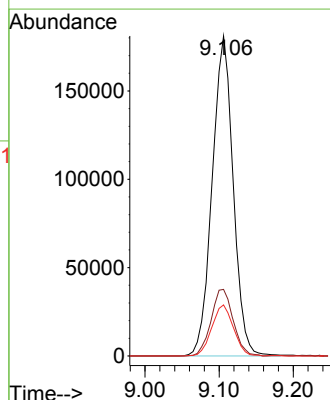
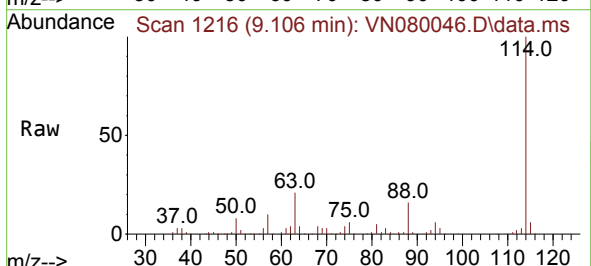
Tgt Ion: 114 Resp: 356920

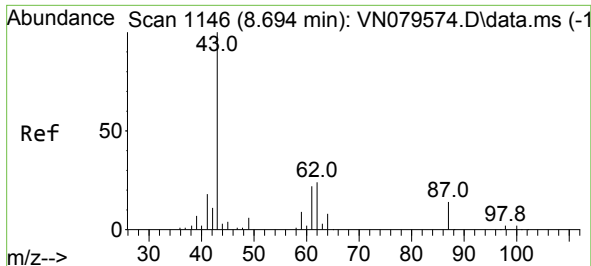
Ion Ratio Lower Upper

114 100

63 21.9 18.1 27.1

88 16.4 12.2 18.2

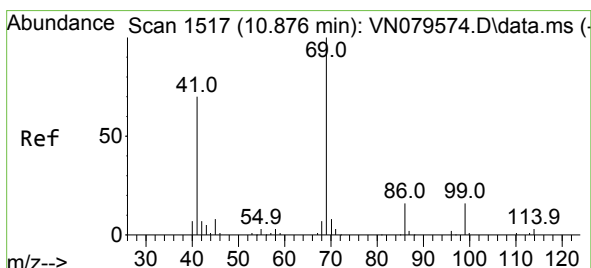
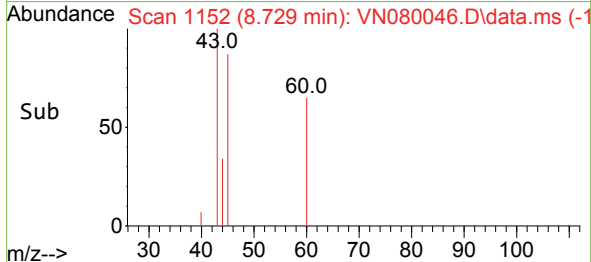
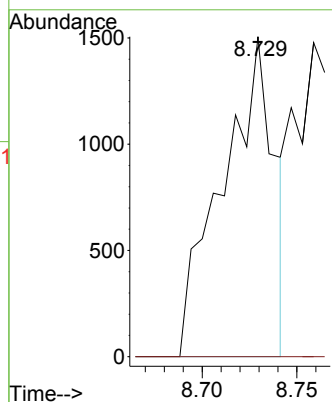
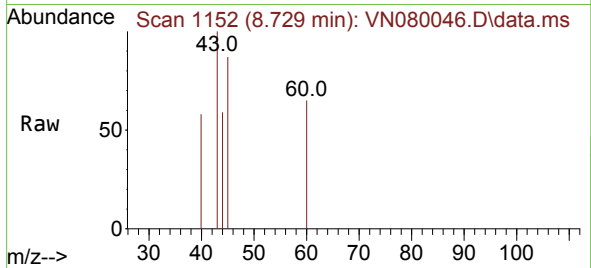




#44
Isopropyl Acetate
Concen: 0.320 ug/l
RT: 8.729 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN080046.D
Acq: 10 Nov 2023 12:08

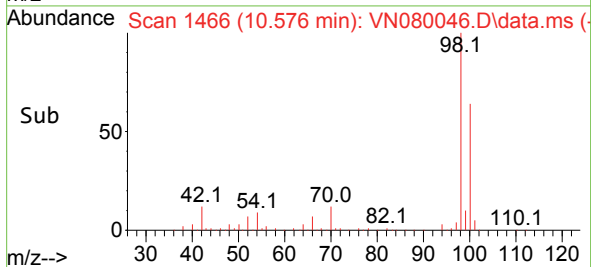
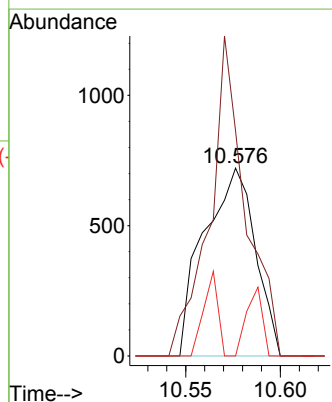
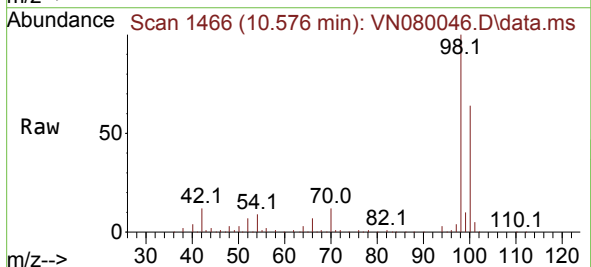
Instrument :
MSVOA_N
ClientSampleId :

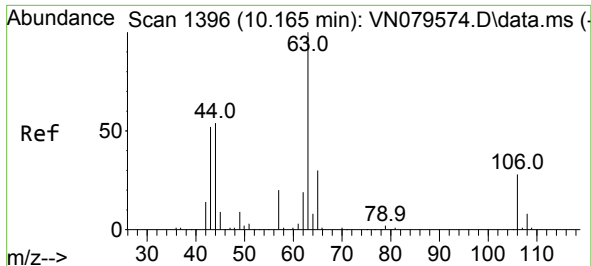
Tgt Ion: 43 Resp: 2863
Ion Ratio Lower Upper
43 100
61 141.4 20.3 30.5#



#51
Ethyl methacrylate
Concen: 0.222 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.300 min
Lab File: VN080046.D
Acq: 10 Nov 2023 12:08

Tgt Ion: 69 Resp: 1358
Ion Ratio Lower Upper
69 100
41 119.7 33.8 101.3#
39 0.0 21.3 63.9#

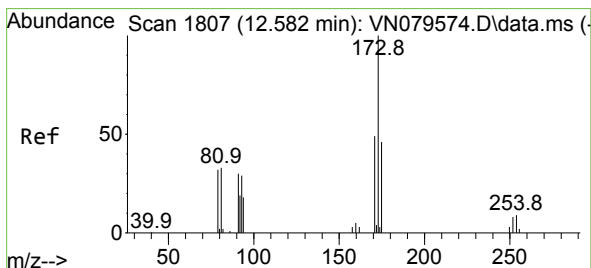
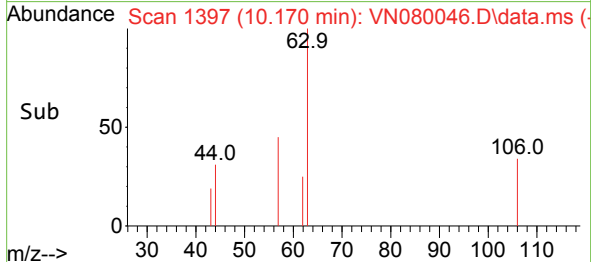
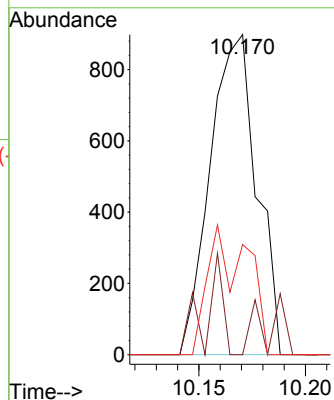
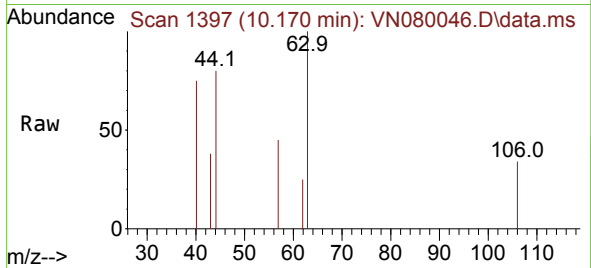




#55
2-Chloroethyl vinyl ether
Concen: 0.487 ug/l
RT: 10.170 min Scan# 1396
Delta R.T. 0.005 min
Lab File: VN080046.D
Acq: 10 Nov 2023 12:08

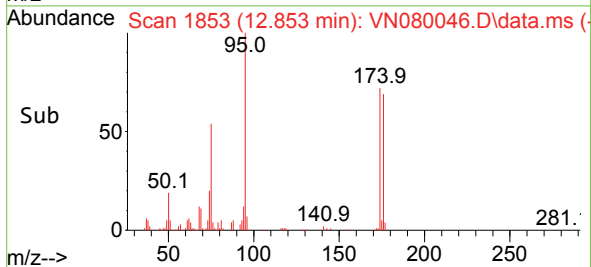
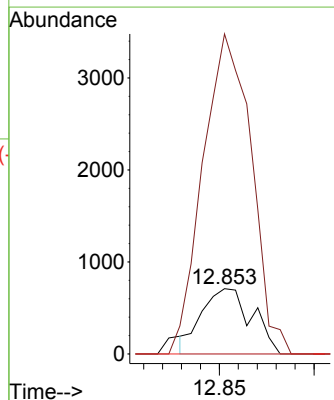
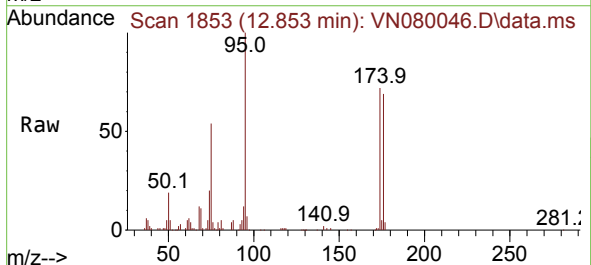
Instrument :
MSVOA_N
ClientSampleId :

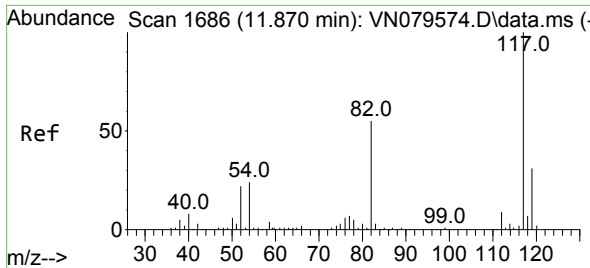
Tgt Ion: 63 Resp: 1366
Ion Ratio Lower Upper
63 100
65 4.0 25.9 38.9#
106 15.2 20.6 30.8#



#56
Bromoform
Concen: 0.440 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080046.D
Acq: 10 Nov 2023 12:08

Tgt Ion:173 Resp: 1309
Ion Ratio Lower Upper
173 100
175 473.9 37.9 56.9#
254 0.0 7.3 10.9#

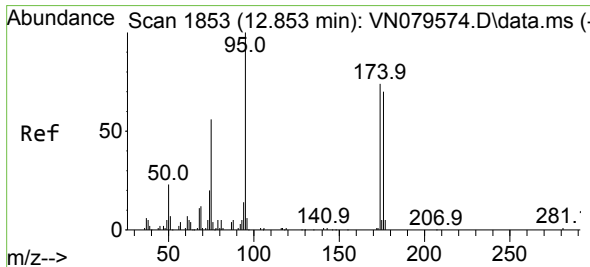
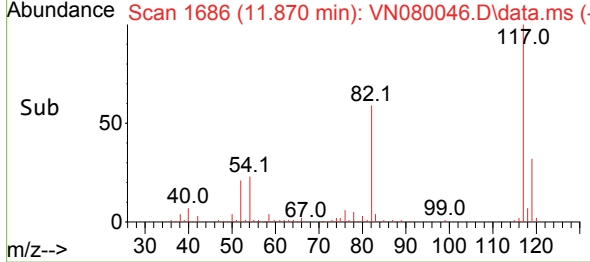
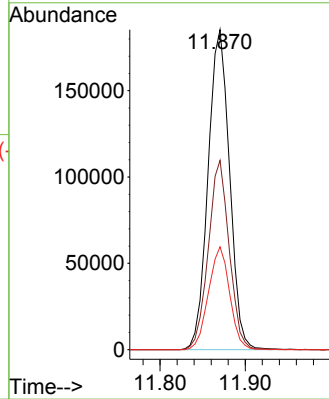
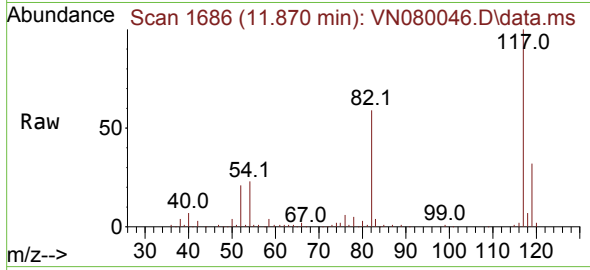




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080046.D
Acq: 10 Nov 2023 12:08

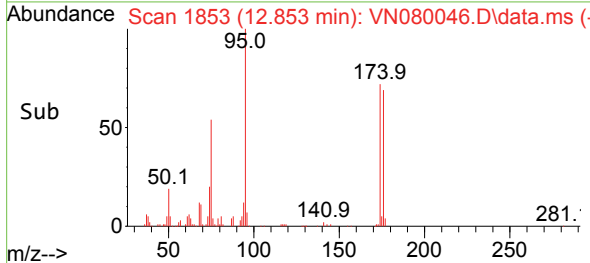
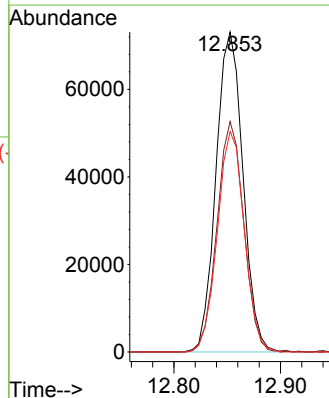
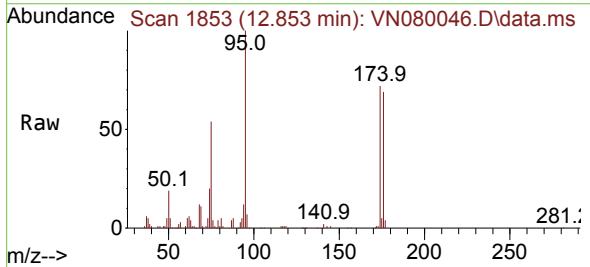
Instrument :
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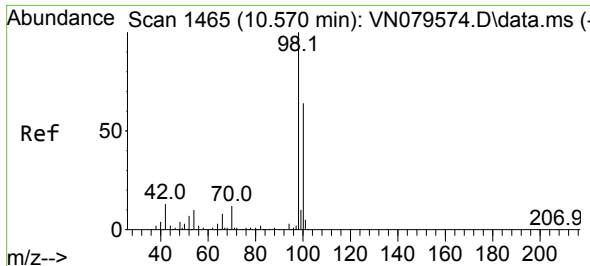
Tgt Ion:117 Resp: 324481
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.2
119 31.8 25.2 37.8



#60
4-Bromofluorobenzene
Concen: 24.698 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080046.D
Acq: 10 Nov 2023 12:08

Tgt Ion: 95 Resp: 128156
Ion Ratio Lower Upper
95 100
174 71.5 60.5 90.7
176 68.9 57.2 85.8

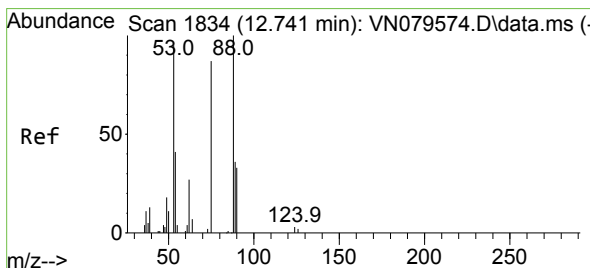
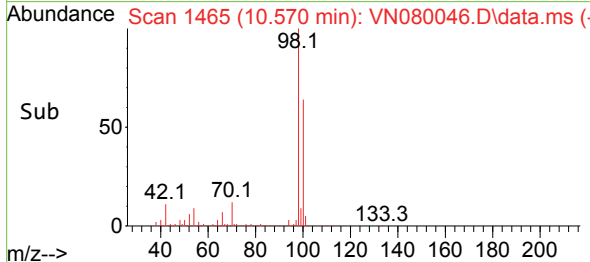
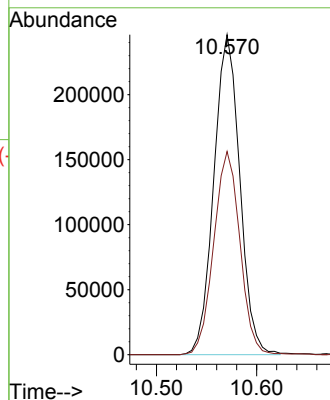
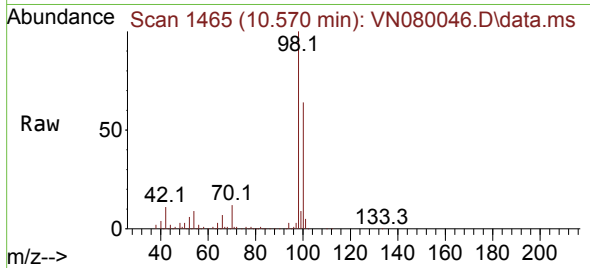




#63
Toluene-d8
Concen: 28.809 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080046.D
Acq: 10 Nov 2023 12:08

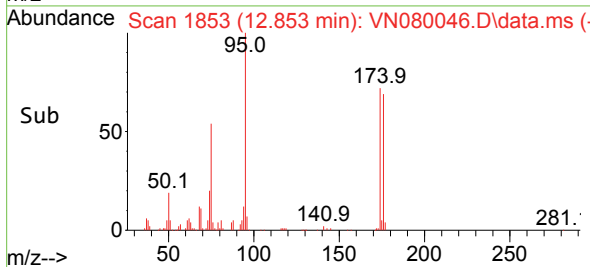
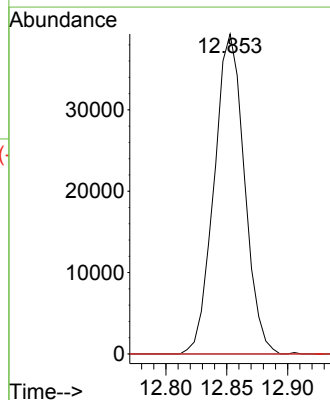
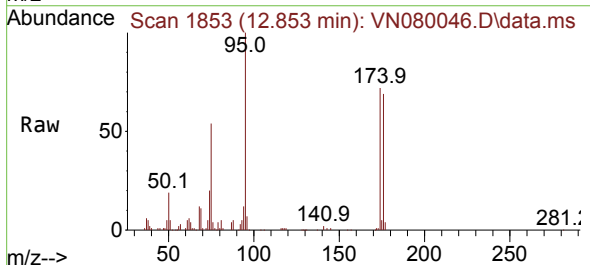
Instrument :
MSVOA_N
ClientSampleId :

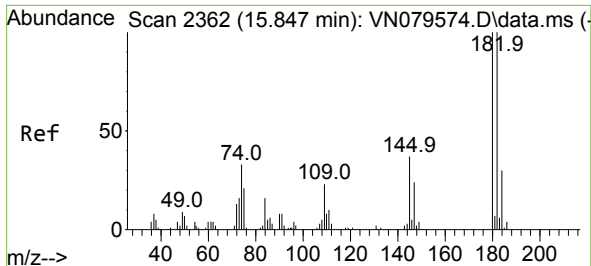
Tgt Ion: 98 Resp: 442919
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 37.385 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080046.D
Acq: 10 Nov 2023 12:08

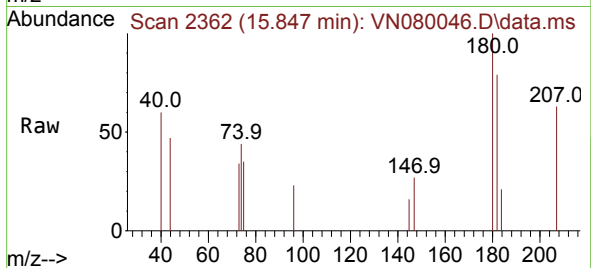
Tgt Ion: 75 Resp: 68005
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#



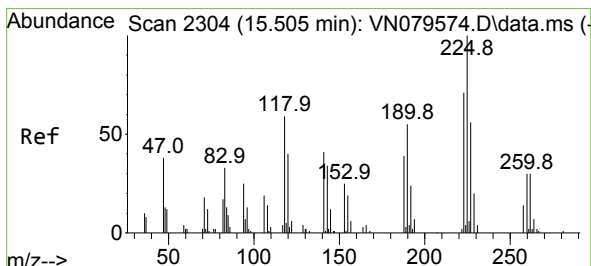
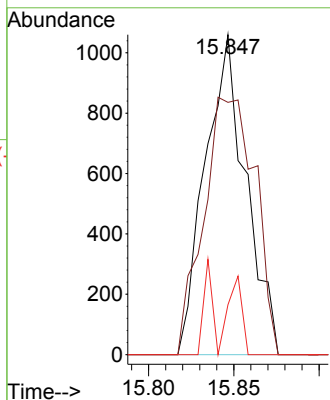
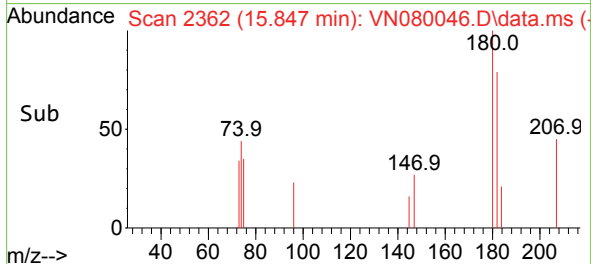


#89
1,2,4-Trichlorobenzene
Concen: 0.505 ug/l
RT: 15.847 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080046.D
Acq: 10 Nov 2023 12:08

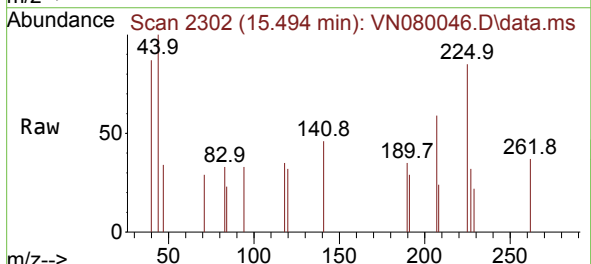
Instrument :
MSVOA_N
ClientSampleId :



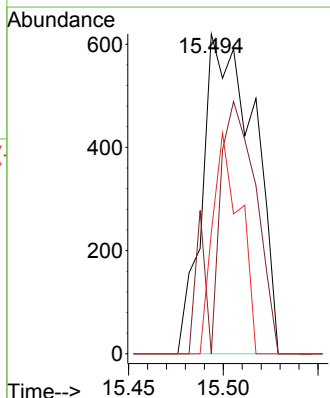
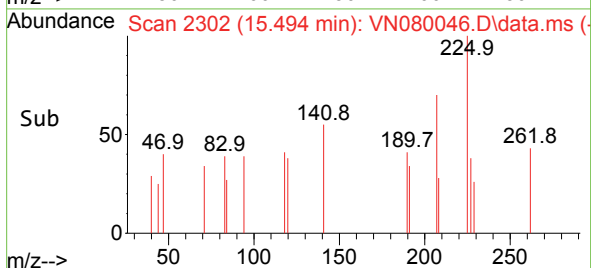
Tgt Ion:180 Resp: 1758
Ion Ratio Lower Upper
180 100
182 101.8 74.2 111.4
145 8.5 25.4 38.2#

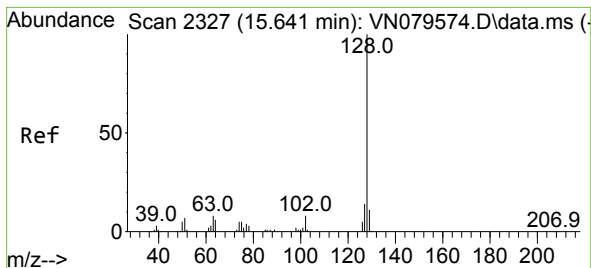


#90
Hexachlorobutadiene
Concen: 0.680 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.011 min
Lab File: VN080046.D
Acq: 10 Nov 2023 12:08



Tgt Ion:225 Resp: 1166
Ion Ratio Lower Upper
225 100
223 8.4 0.0 126.0
227 0.0 0.0 127.0





#91

Naphthalene

Concen: 0.552 ug/l

RT: 15.652 min Scan# 21

Delta R.T. 0.011 min

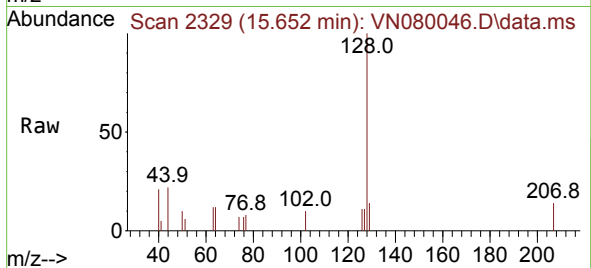
Lab File: VN080046.D

Acq: 10 Nov 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :



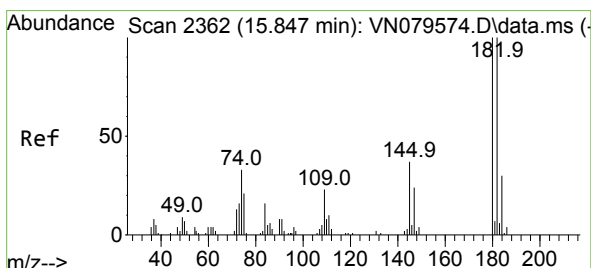
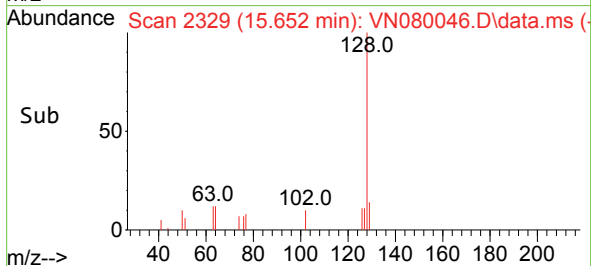
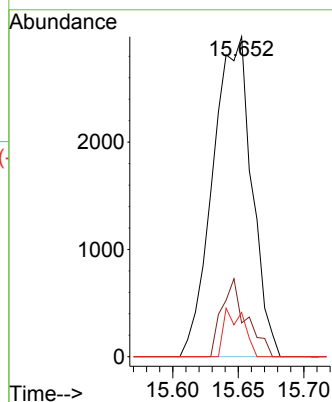
Tgt Ion:128 Resp: 6165

Ion Ratio Lower Upper

128 100

127 15.4 10.9 16.3

129 7.6 8.6 12.8#



#92

1,2,3-Trichlorobenzene

Concen: 0.505 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. -0.000 min

Lab File: VN080046.D

Acq: 10 Nov 2023 12:08

Tgt Ion:180 Resp: 1758

Ion Ratio Lower Upper

180 100

182 101.8 0.0 185.6

145 8.5 0.0 63.6

