

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022324\
 Data File : VN081154.D
 Acq On : 23 Feb 2024 11:17
 Operator : JC\MD
 Sample : VN0223WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0223WBL01

Quant Time: Feb 24 00:11:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:55:02 2024
 Response via : Initial Calibration

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

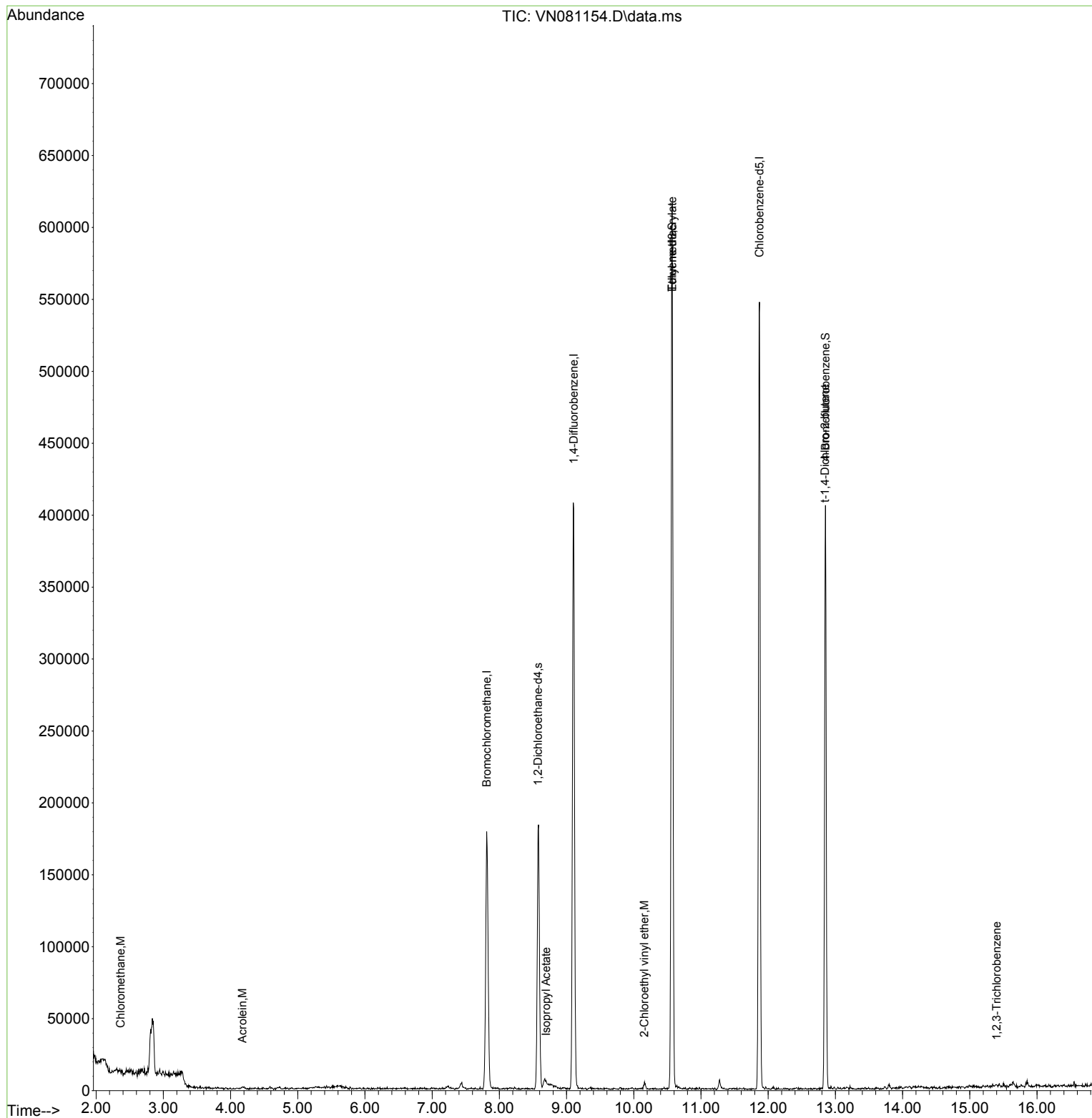
Internal Standards						
1) Bromochloromethane	7.812	128	61802	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	364380	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	316948	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	143605	30.924	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.067%
60) 4-Bromofluorobenzene	12.853	95	141420	29.186	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.300%
63) Toluene-d8	10.570	98	424942	29.876	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1848	0.438	ug/l #	61
13) Acrolein	4.177	56	1115	1.600	ug/l #	58
44) Isopropyl Acetate	8.694	43	3291	0.442	ug/l #	43
51) Ethyl methacrylate	10.570	69	1282	0.221	ug/l	93
55) 2-Chloroethyl vinyl ether	10.159	63	1792	0.604	ug/l	92
77) t-1,4-Dichloro-2-butene	12.847	75	77476	49.537	ug/l #	12
92) 1,2,3-Trichlorobenzene	15.400	180	854	0.234	ug/l	37

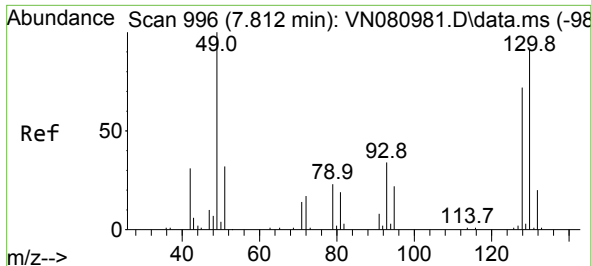
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 10 01:55:02 2024
Response via : Initial Calibration

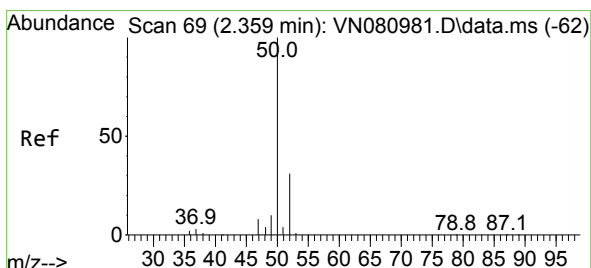
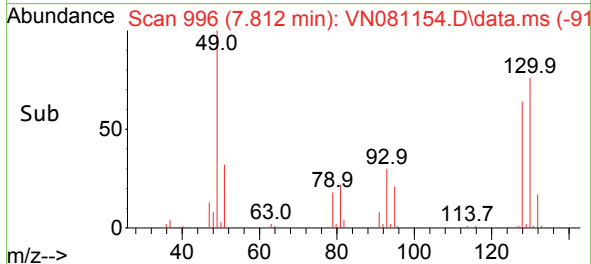
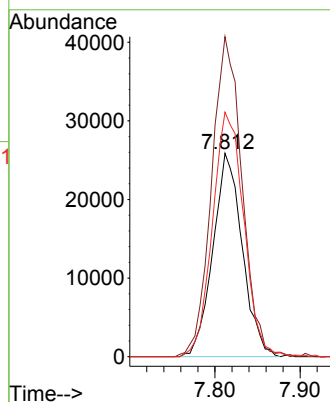
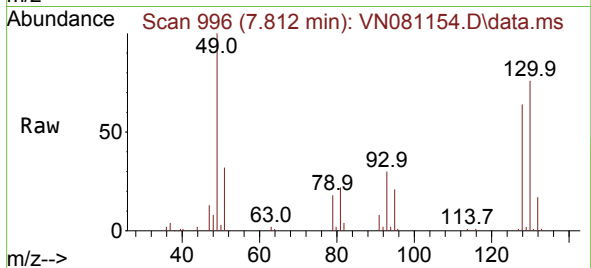




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN081154.D
Acq: 23 Feb 2024 11:17

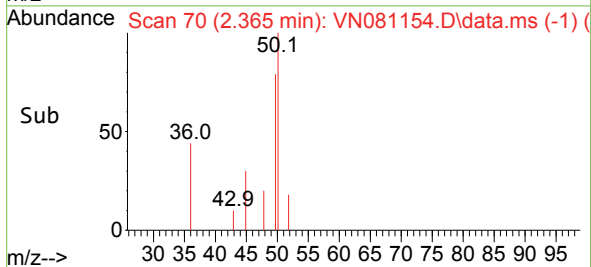
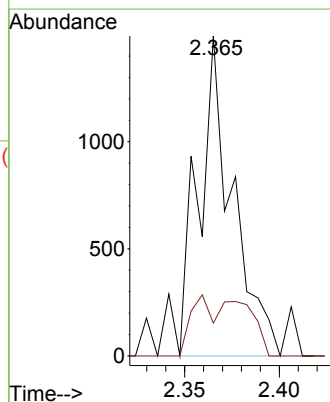
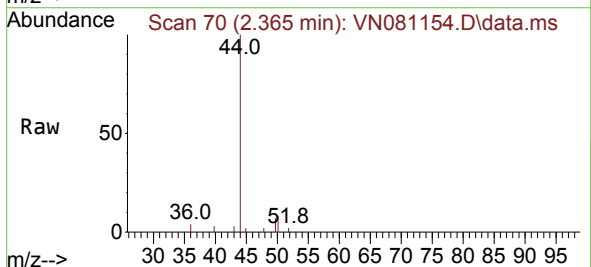
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL01

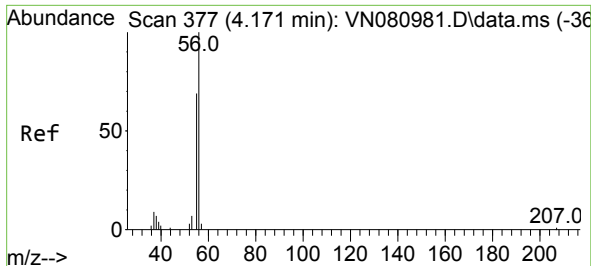
Tgt Ion:128 Resp: 61802
Ion Ratio Lower Upper
128 100
49 162.4 0.0 403.7
130 128.1 0.0 323.3



#3
Chloromethane
Concen: 0.438 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN081154.D
Acq: 23 Feb 2024 11:17

Tgt Ion: 50 Resp: 1848
Ion Ratio Lower Upper
50 100
52 10.2 25.4 38.0#

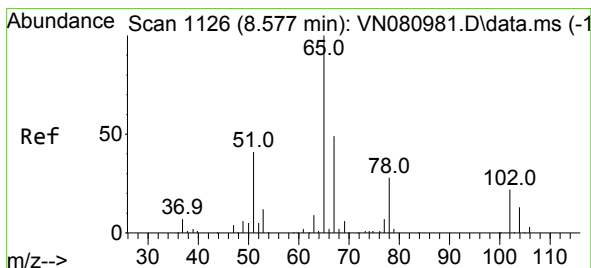
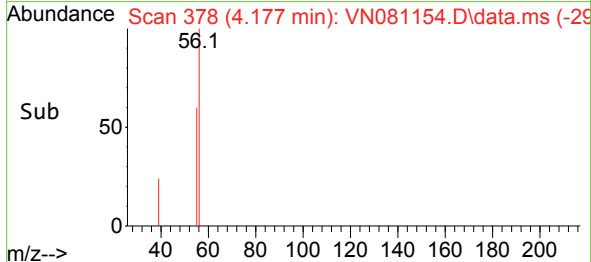
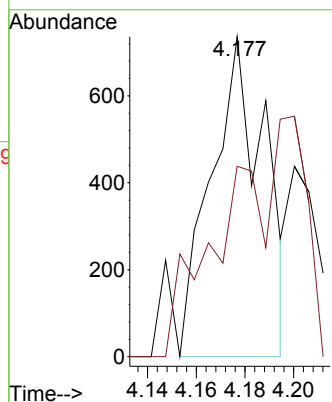
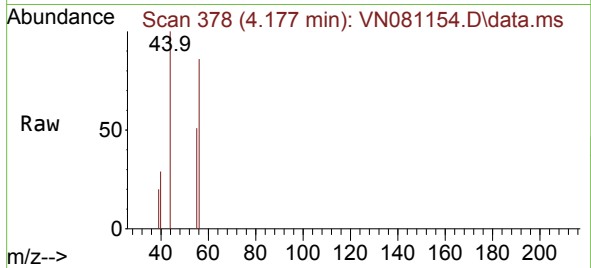




#13
Acrolein
Concen: 1.600 ug/l
RT: 4.177 min Scan# 311
Delta R.T. 0.006 min
Lab File: VN081154.D
Acq: 23 Feb 2024 11:17

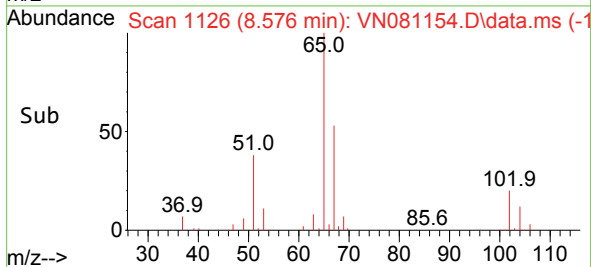
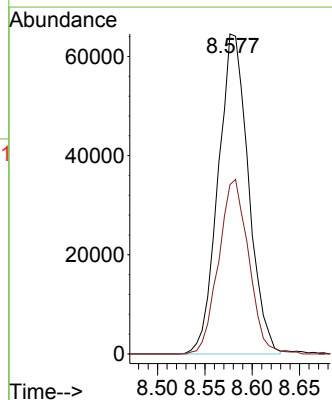
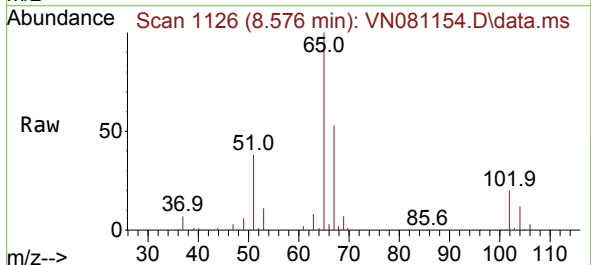
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL01

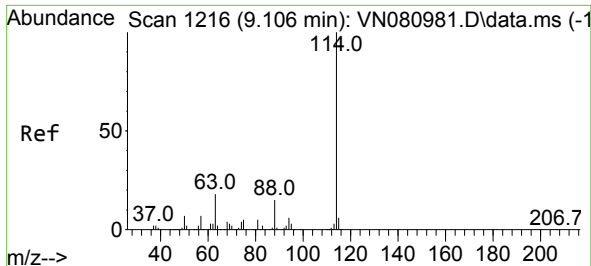
Tgt Ion: 56 Resp: 1115
Ion Ratio Lower Upper
56 100
55 35.3 55.5 83.3#



#27
1,2-Dichloroethane-d4
Concen: 30.924 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081154.D
Acq: 23 Feb 2024 11:17

Tgt Ion: 65 Resp: 143605
Ion Ratio Lower Upper
65 100
67 54.1 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN081154.D

Acq: 23 Feb 2024 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0223WBL01

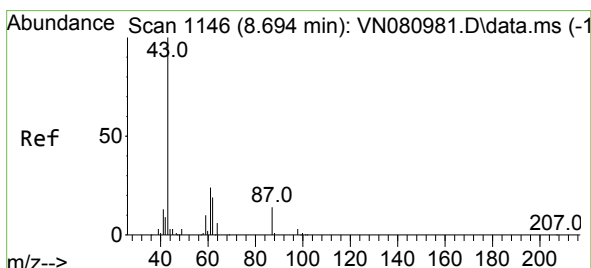
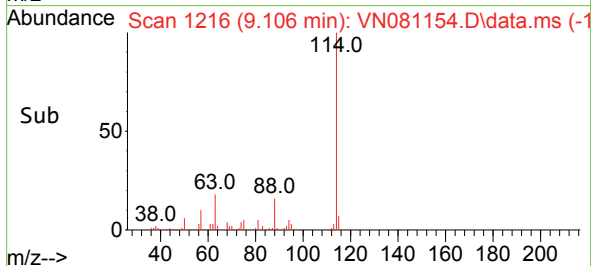
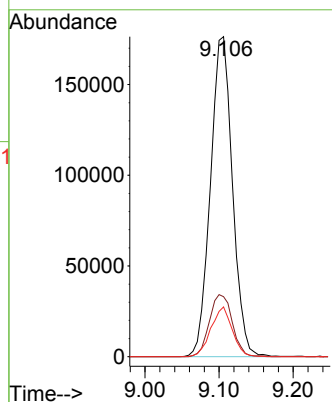
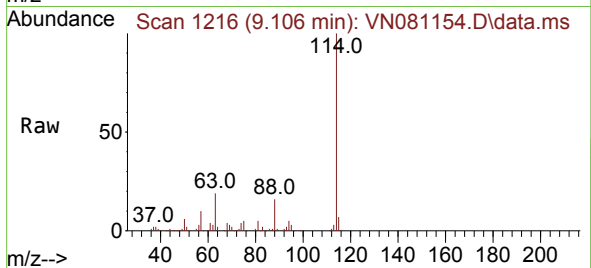
Tgt Ion:114 Resp: 364380

Ion Ratio Lower Upper

114 100

63 20.1 15.9 23.9

88 15.1 12.7 19.1



#44

Isopropyl Acetate

Concen: 0.442 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN081154.D

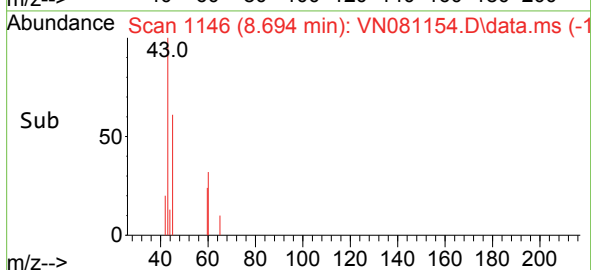
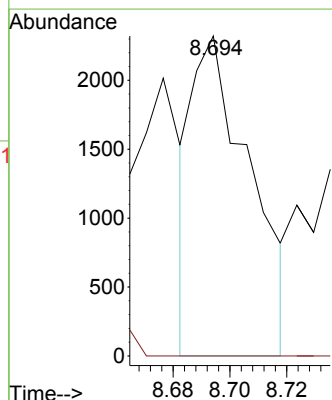
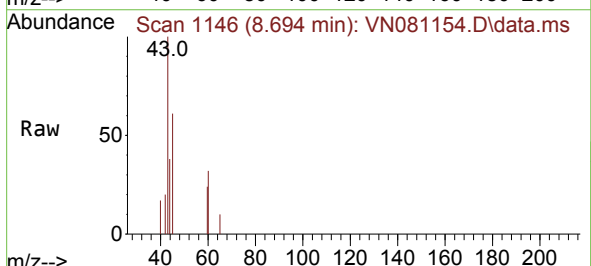
Acq: 23 Feb 2024 11:17

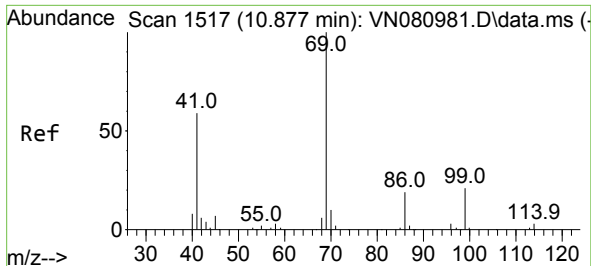
Tgt Ion: 43 Resp: 3291

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.4#

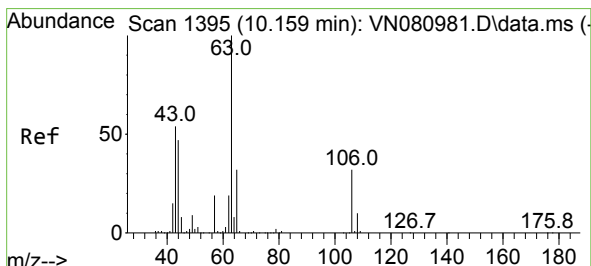
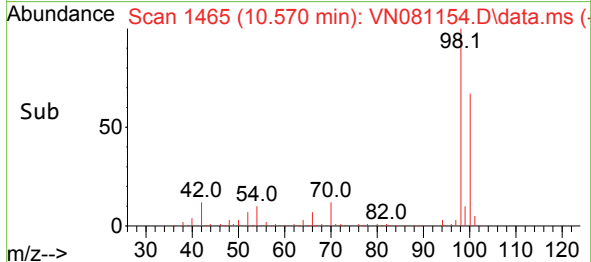
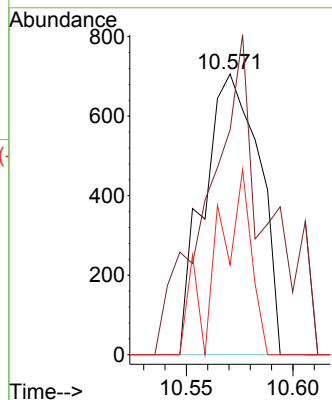
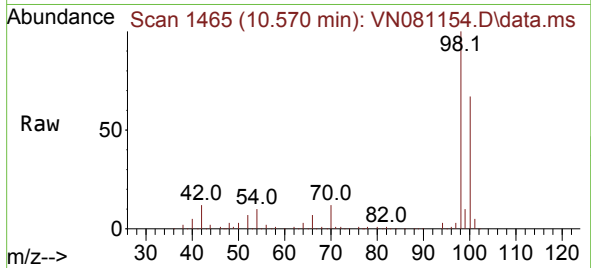




#51
Ethyl methacrylate
Concen: 0.221 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.306 min
Lab File: VN081154.D
Acq: 23 Feb 2024 11:17

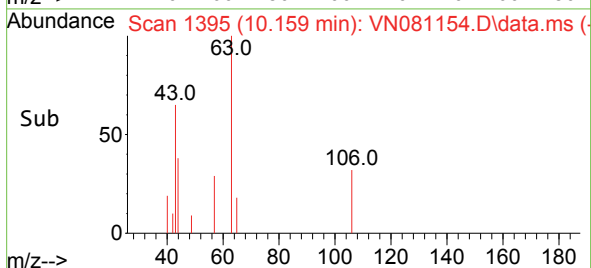
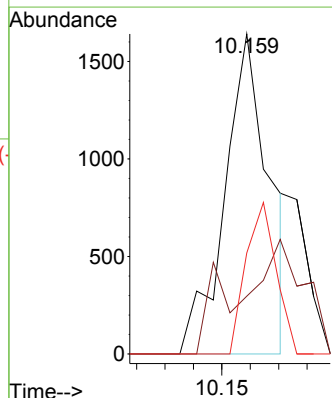
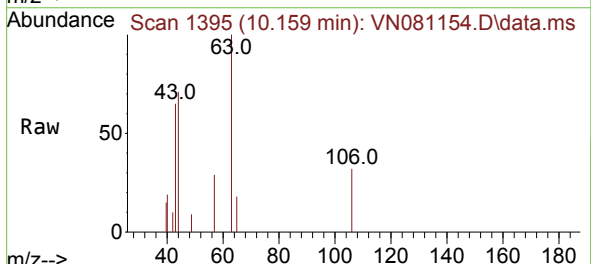
Instrument :
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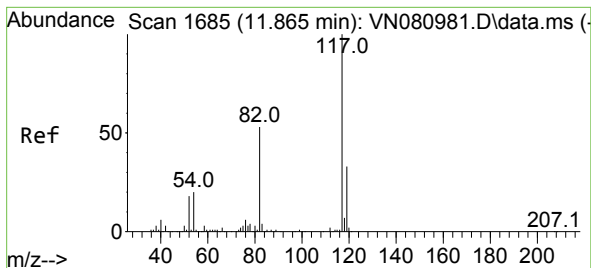
Tgt Ion: 69 Resp: 1282
Ion Ratio Lower Upper
69 100
41 43.6 25.5 76.5
39 32.0 16.0 47.9



#55
2-Chloroethyl vinyl ether
Concen: 0.604 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN081154.D
Acq: 23 Feb 2024 11:17

Tgt Ion: 63 Resp: 1792
Ion Ratio Lower Upper
63 100
65 39.0 26.2 39.2
106 32.0 23.8 35.8

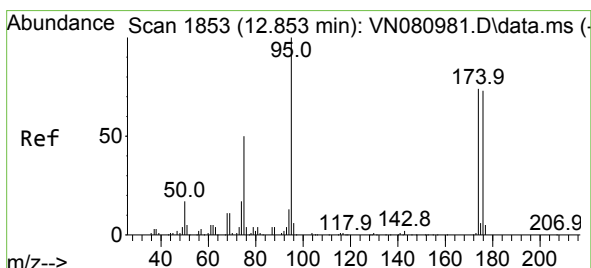
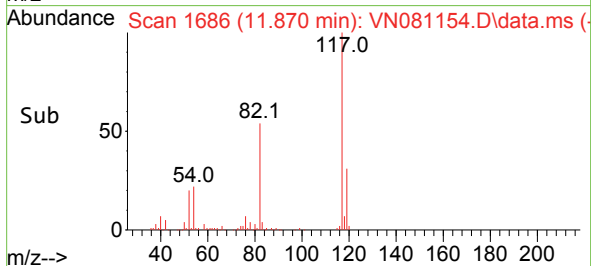
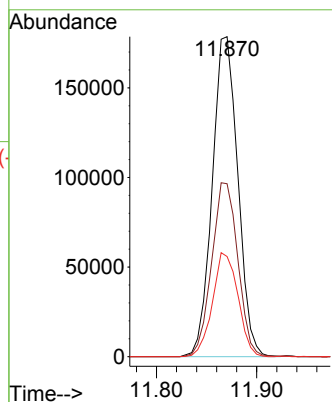
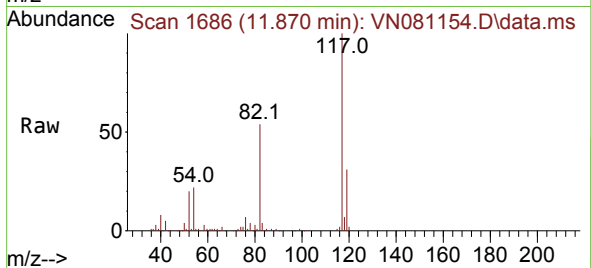




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN081154.D
Acq: 23 Feb 2024 11:17

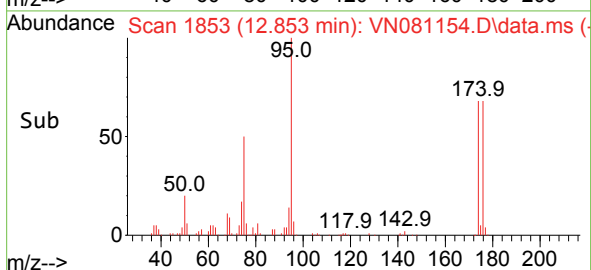
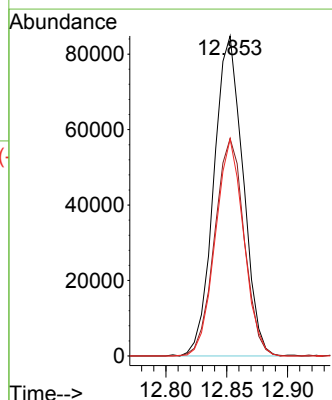
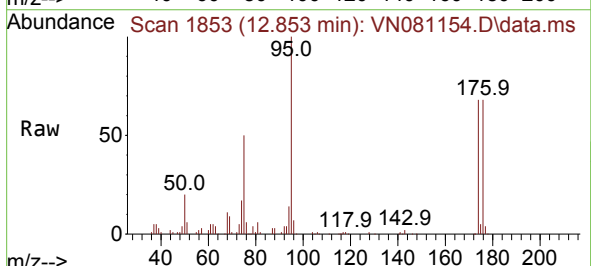
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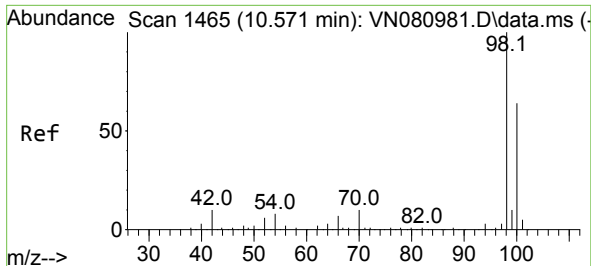
Tgt Ion:117 Resp: 316948
Ion Ratio Lower Upper
117 100
82 55.5 46.6 69.8
119 32.3 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 29.186 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081154.D
Acq: 23 Feb 2024 11:17

Tgt Ion: 95 Resp: 141420
Ion Ratio Lower Upper
95 100
174 68.7 60.5 90.7
176 65.8 57.8 86.6

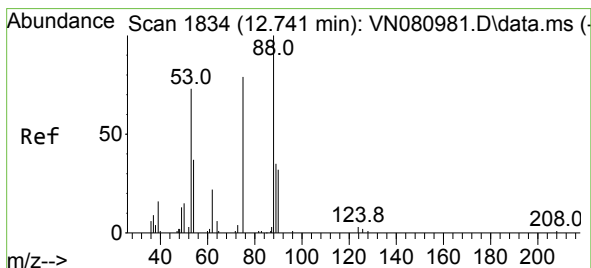
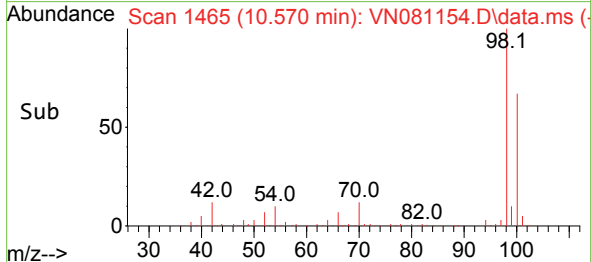
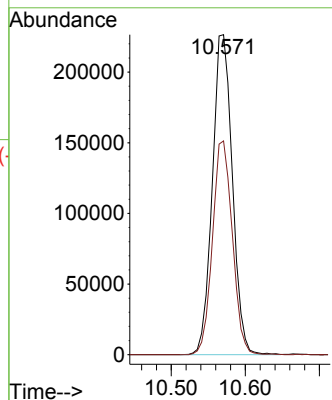
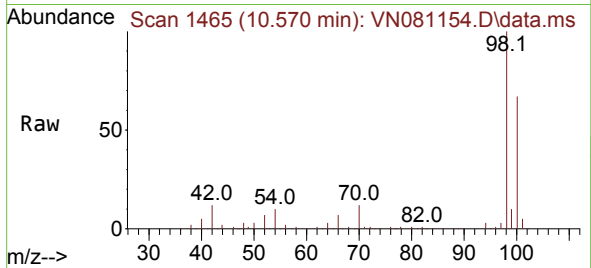




#63
Toluene-d8
Concen: 29.876 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081154.D
Acq: 23 Feb 2024 11:17

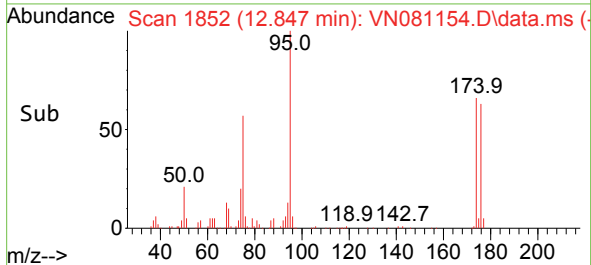
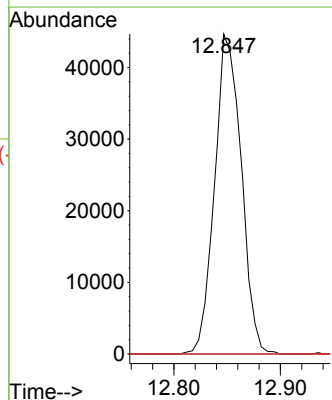
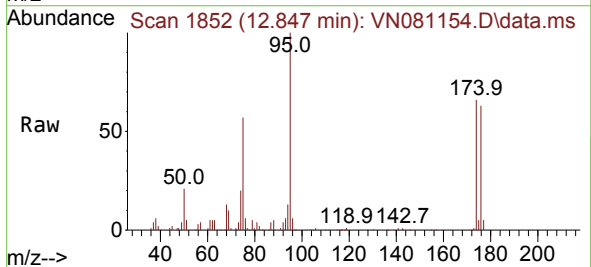
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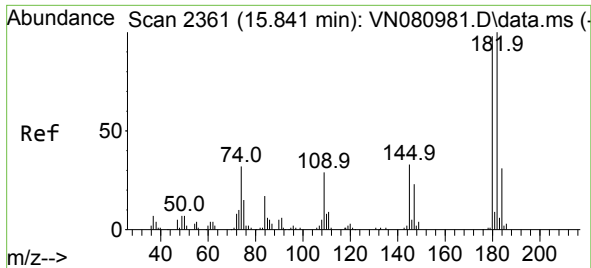
Tgt Ion: 98 Resp: 424942
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 49.537 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081154.D
Acq: 23 Feb 2024 11:17

Tgt Ion: 75 Resp: 77476
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.234 ug/l
 RT: 15.400 min Scan# 21
 Delta R.T. -0.441 min
 Lab File: VN081154.D
 Acq: 23 Feb 2024 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0223WBL01

Tgt Ion:180 Resp: 854
 Ion Ratio Lower Upper
 180 100
 182 27.3 0.0 191.0
 145 9.4 0.0 71.0

