

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN080002.D
 Acq On : 08 Nov 2023 19:56
 Operator : JC\MD
 Sample : 05211-03 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 09 04:29:00 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)

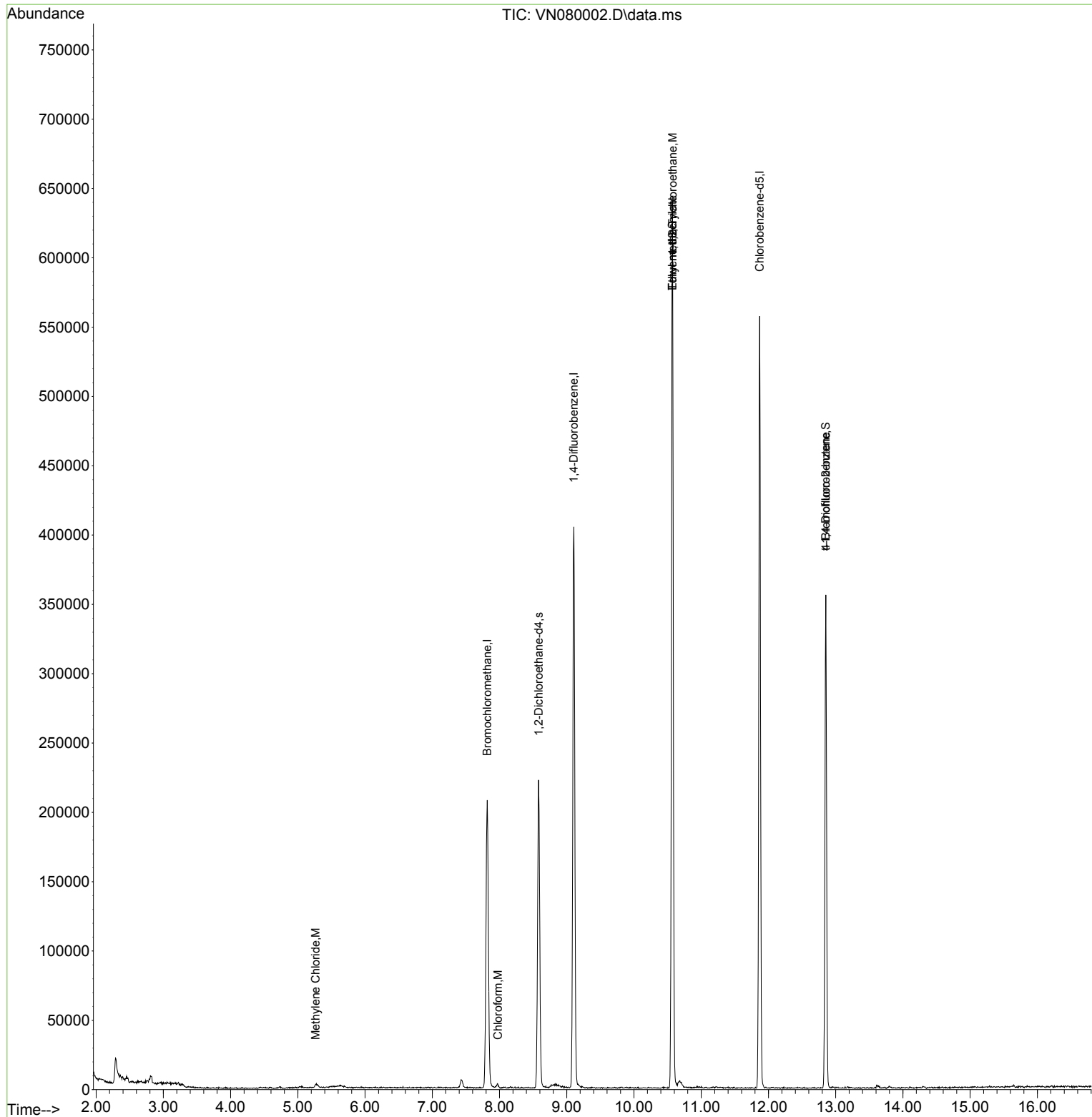
Internal Standards						
1) Bromochloromethane	7.818	128	71896	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	341829	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	317121	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	180557	29.918	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.733%
60) 4-Bromofluorobenzene	12.853	95	121687	23.995	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.000%
63) Toluene-d8	10.571	98	432623	28.792	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.967%
Target Compounds						
					Qvalue	
18) Methylene Chloride	5.265	84	1098	0.221	ug/l #	69
25) Chloroform	7.977	83	2422	0.260	ug/l	90
50) 1,1,2-Trichloroethane	10.576	97	14886	3.660	ug/l #	1
51) Ethyl methacrylate	10.571	69	1539	0.263	ug/l	91
77) t-1,4-Dichloro-2-butene	12.853	75	65366	36.769	ug/l #	7

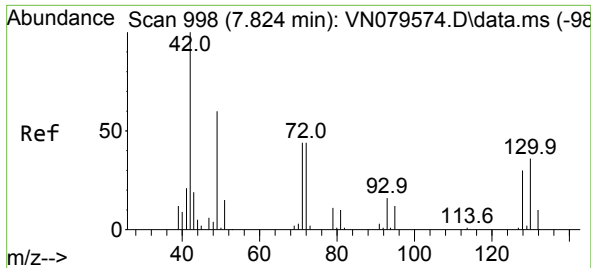
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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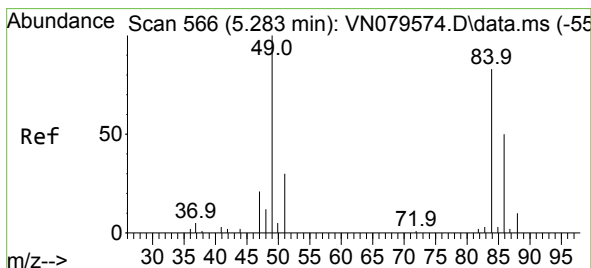
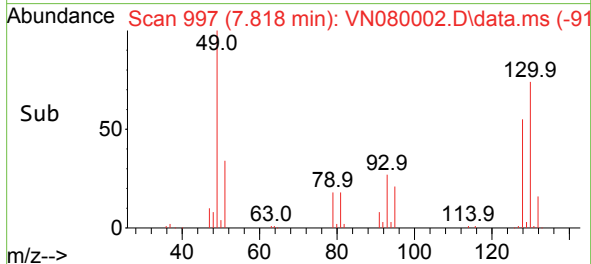
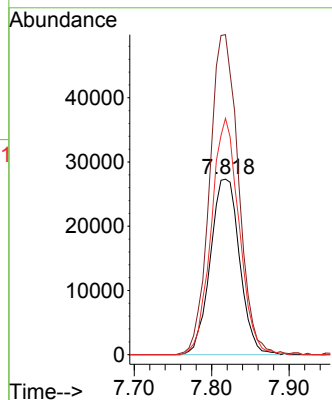
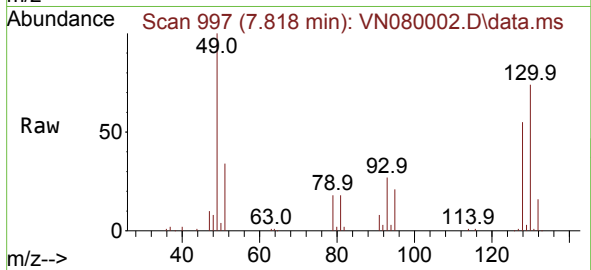




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN080002.D
Acq: 08 Nov 2023 19:56

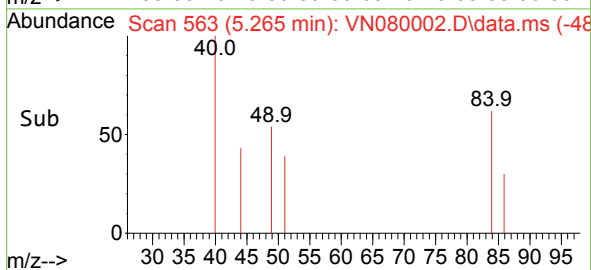
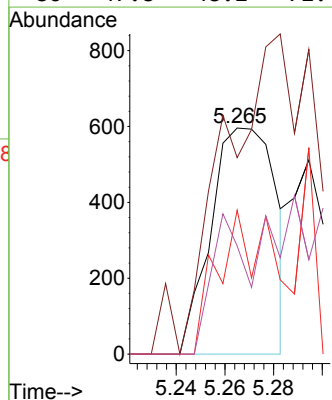
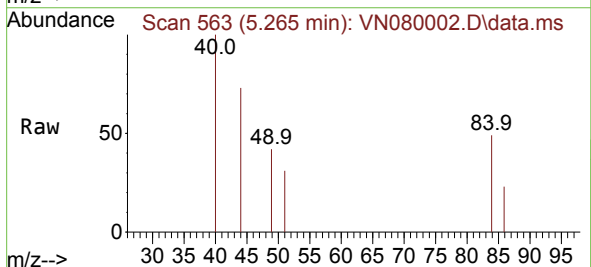
Instrument :
MSVOA_N
ClientSampleId :

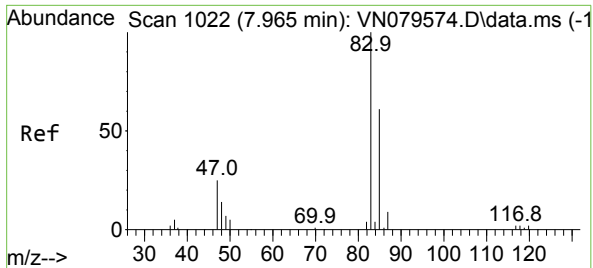
Tgt Ion:128 Resp: 71896
Ion Ratio Lower Upper
128 100
49 179.3 0.0 468.5
130 128.3 0.0 320.7



#18
Methylene Chloride
Concen: 0.221 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.018 min
Lab File: VN080002.D
Acq: 08 Nov 2023 19:56

Tgt Ion: 84 Resp: 1098
Ion Ratio Lower Upper
84 100
49 86.9 100.9 151.3#
51 63.6 29.4 44.2#
86 47.8 48.2 72.4#

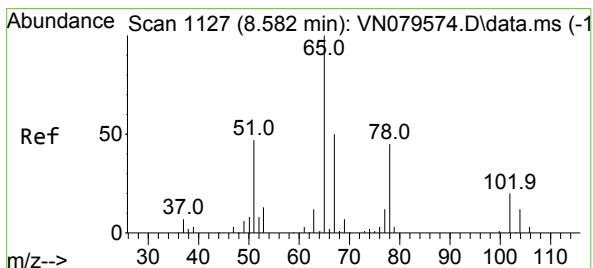
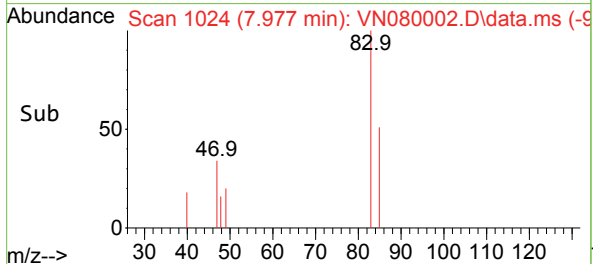
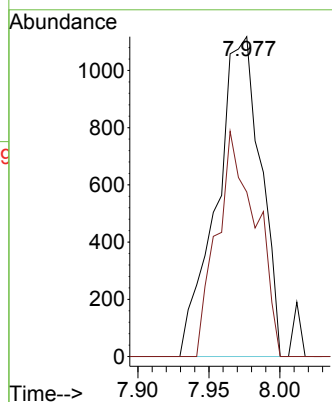
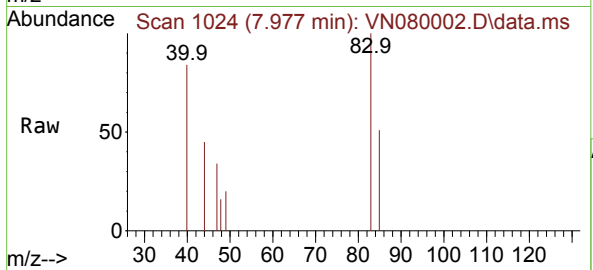




#25
Chloroform
Concen: 0.260 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.012 min
Lab File: VN080002.D
Acq: 08 Nov 2023 19:56

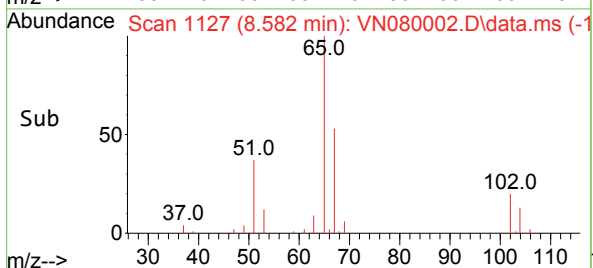
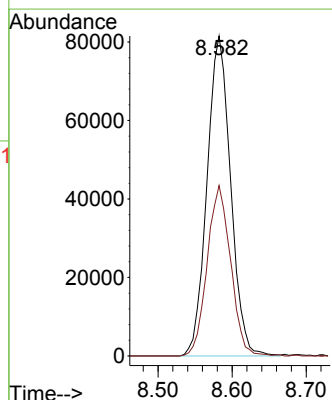
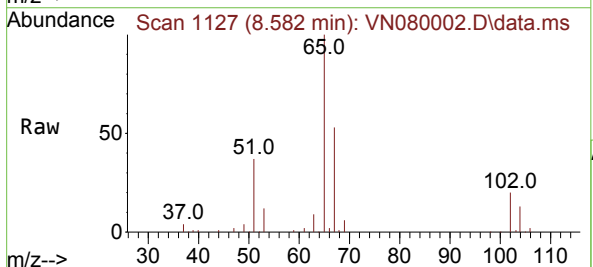
Instrument :
MSVOA_N
ClientSampleId :

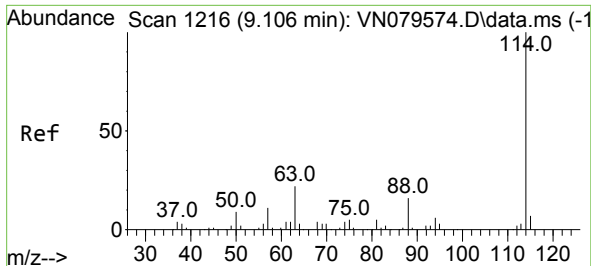
Tgt Ion: 83 Resp: 2422
Ion Ratio Lower Upper
83 100
85 51.4 47.4 71.2



#27
1,2-Dichloroethane-d4
Concen: 29.918 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080002.D
Acq: 08 Nov 2023 19:56

Tgt Ion: 65 Resp: 180557
Ion Ratio Lower Upper
65 100
67 52.8 42.1 63.1

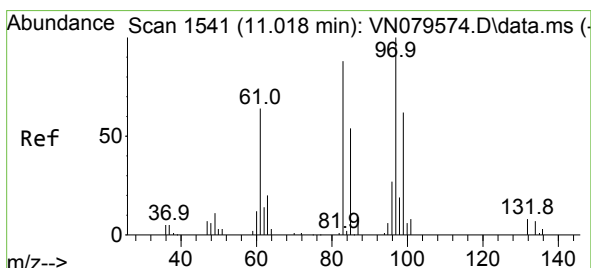
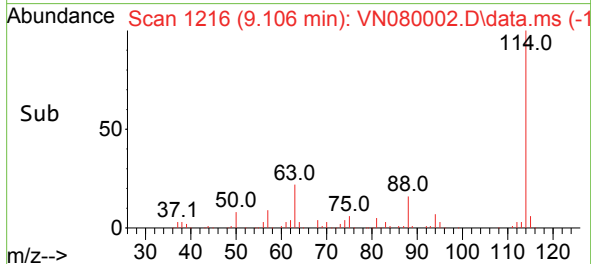
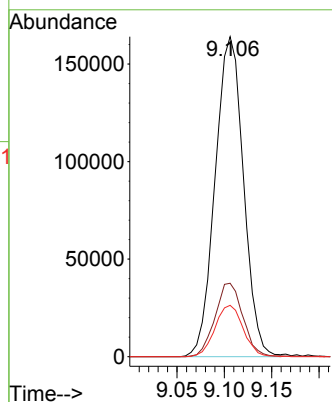
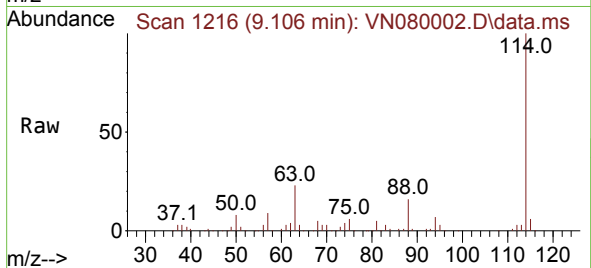




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.106 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN080002.D
 Acq: 08 Nov 2023 19:56

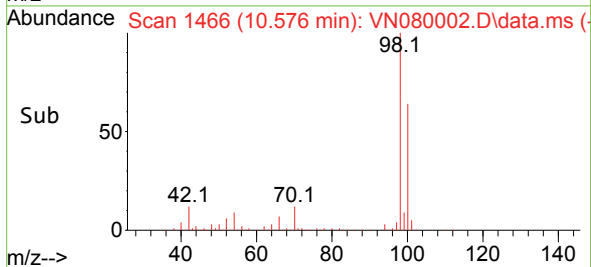
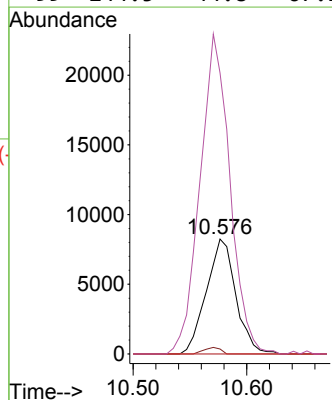
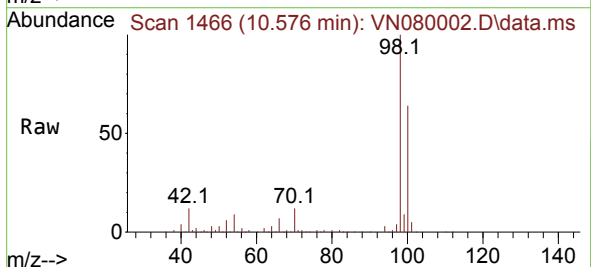
Instrument :
 MSVOA_N
 ClientSampleId :

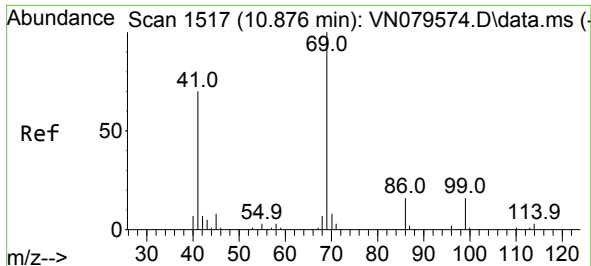
Tgt Ion:114 Resp: 341829
 Ion Ratio Lower Upper
 114 100
 63 22.5 18.1 27.1
 88 15.9 12.2 18.2



#50
 1,1,2-Trichloroethane
 Concen: 3.660 ug/l
 RT: 10.576 min Scan# 1466
 Delta R.T. -0.442 min
 Lab File: VN080002.D
 Acq: 08 Nov 2023 19:56

Tgt Ion: 97 Resp: 14886
 Ion Ratio Lower Upper
 97 100
 83 4.3 68.2 102.4#
 85 0.0 42.9 64.3#
 99 244.5 44.8 67.2#

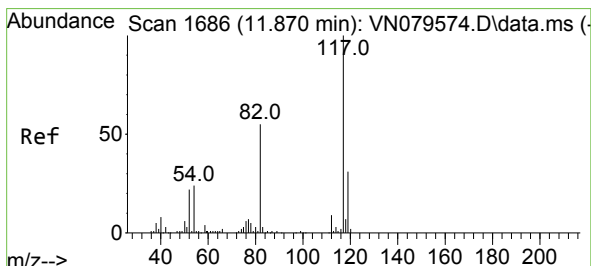
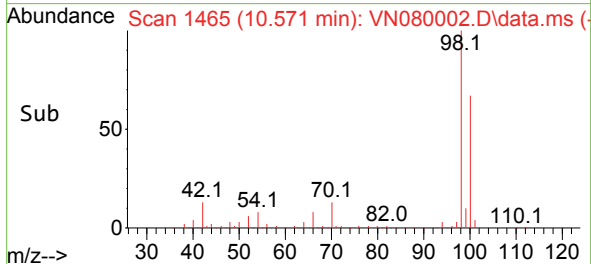
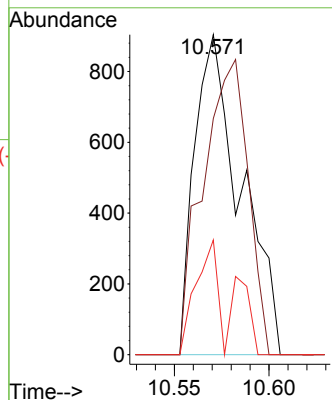
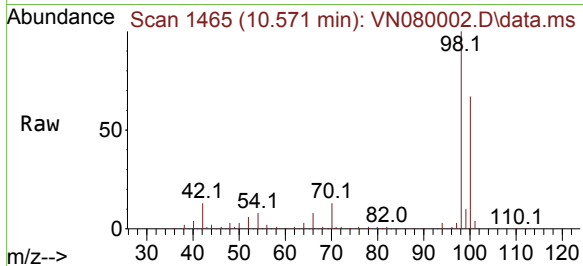




#51
Ethyl methacrylate
Concen: 0.263 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.305 min
Lab File: VN080002.D
Acq: 08 Nov 2023 19:56

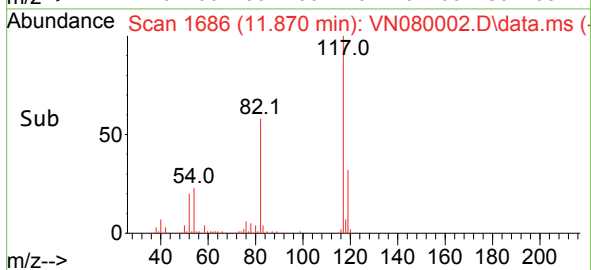
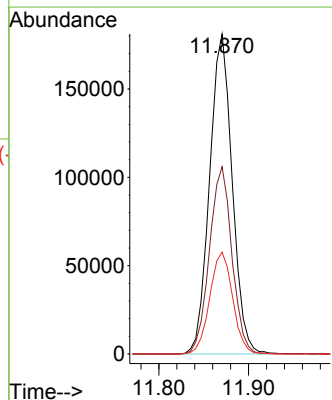
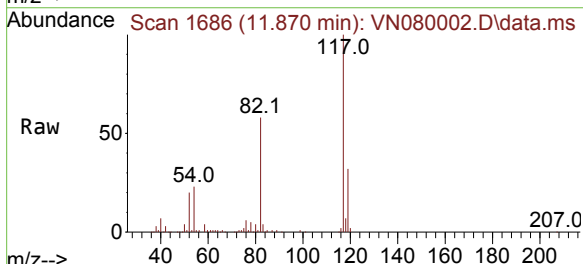
Instrument :
MSVOA_N
ClientSampleId :

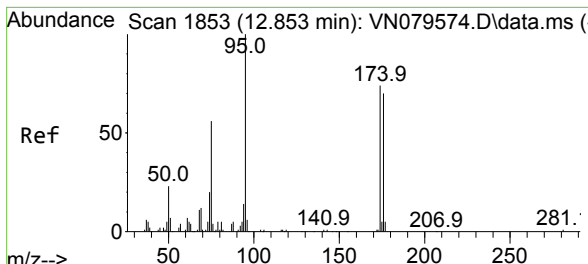
Tgt Ion: 69 Resp: 1539
Ion Ratio Lower Upper
69 100
41 73.8 33.8 101.3
39 35.8 21.3 63.9



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080002.D
Acq: 08 Nov 2023 19:56

Tgt Ion: 117 Resp: 317121
Ion Ratio Lower Upper
117 100
82 58.2 46.2 69.2
119 32.3 25.2 37.8

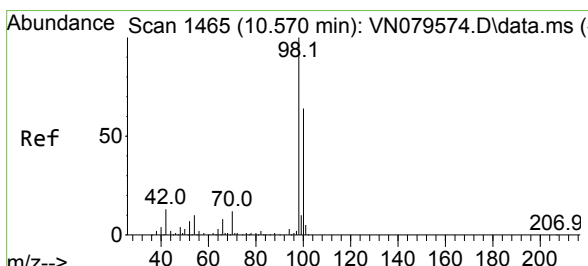
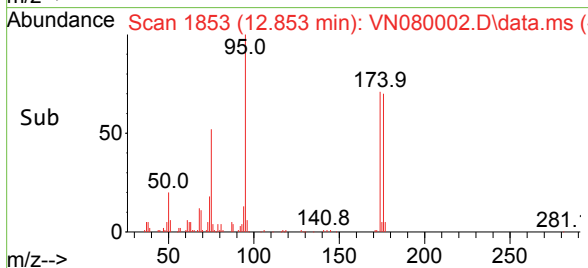
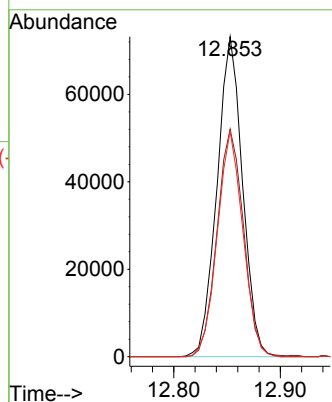
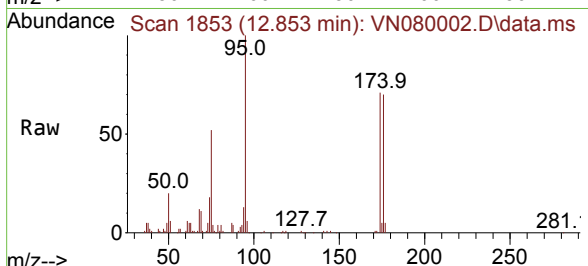




#60
 4-Bromofluorobenzene
 Concen: 23.995 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN080002.D
 Acq: 08 Nov 2023 19:56

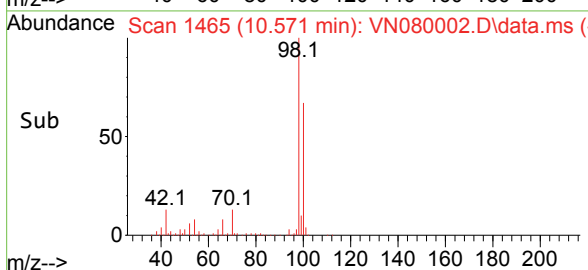
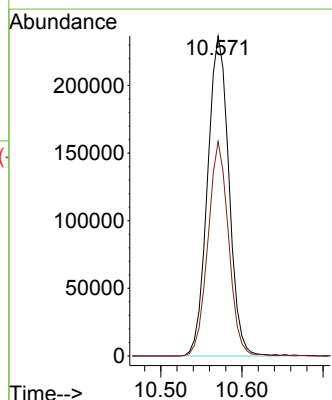
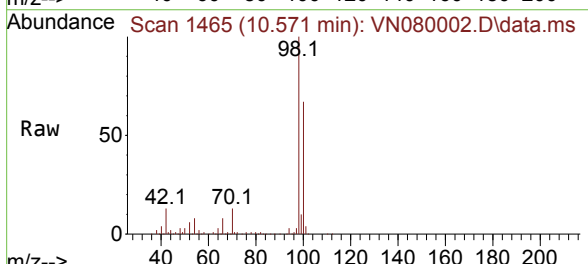
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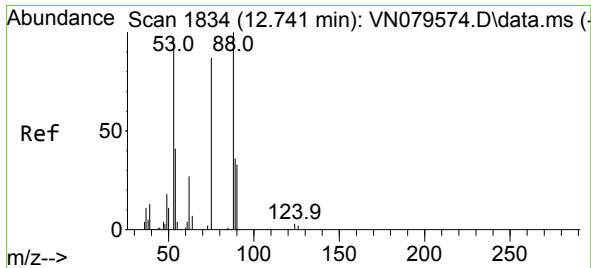
Tgt Ion: 95 Resp: 121687
 Ion Ratio Lower Upper
 95 100
 174 73.8 60.5 90.7
 176 70.7 57.2 85.8



#63
 Toluene-d8
 Concen: 28.792 ug/l
 RT: 10.571 min Scan# 1465
 Delta R.T. 0.001 min
 Lab File: VN080002.D
 Acq: 08 Nov 2023 19:56

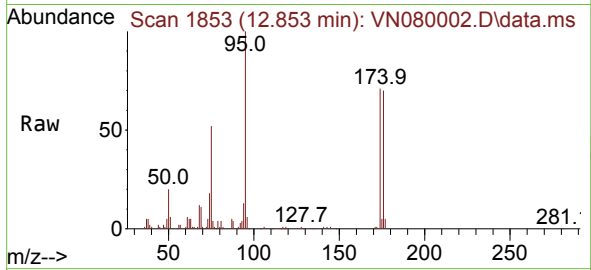
Tgt Ion: 98 Resp: 432623
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.6 77.4





#77
t-1,4-Dichloro-2-butene
Concen: 36.769 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN080002.D
Acq: 08 Nov 2023 19:56

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 65366
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

