

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050724\
 Data File : VN082018.D
 Acq On : 07 May 2024 11:14
 Operator : JC\MD
 Sample : VN0507WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBL01

Quant Time: May 08 07:58:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

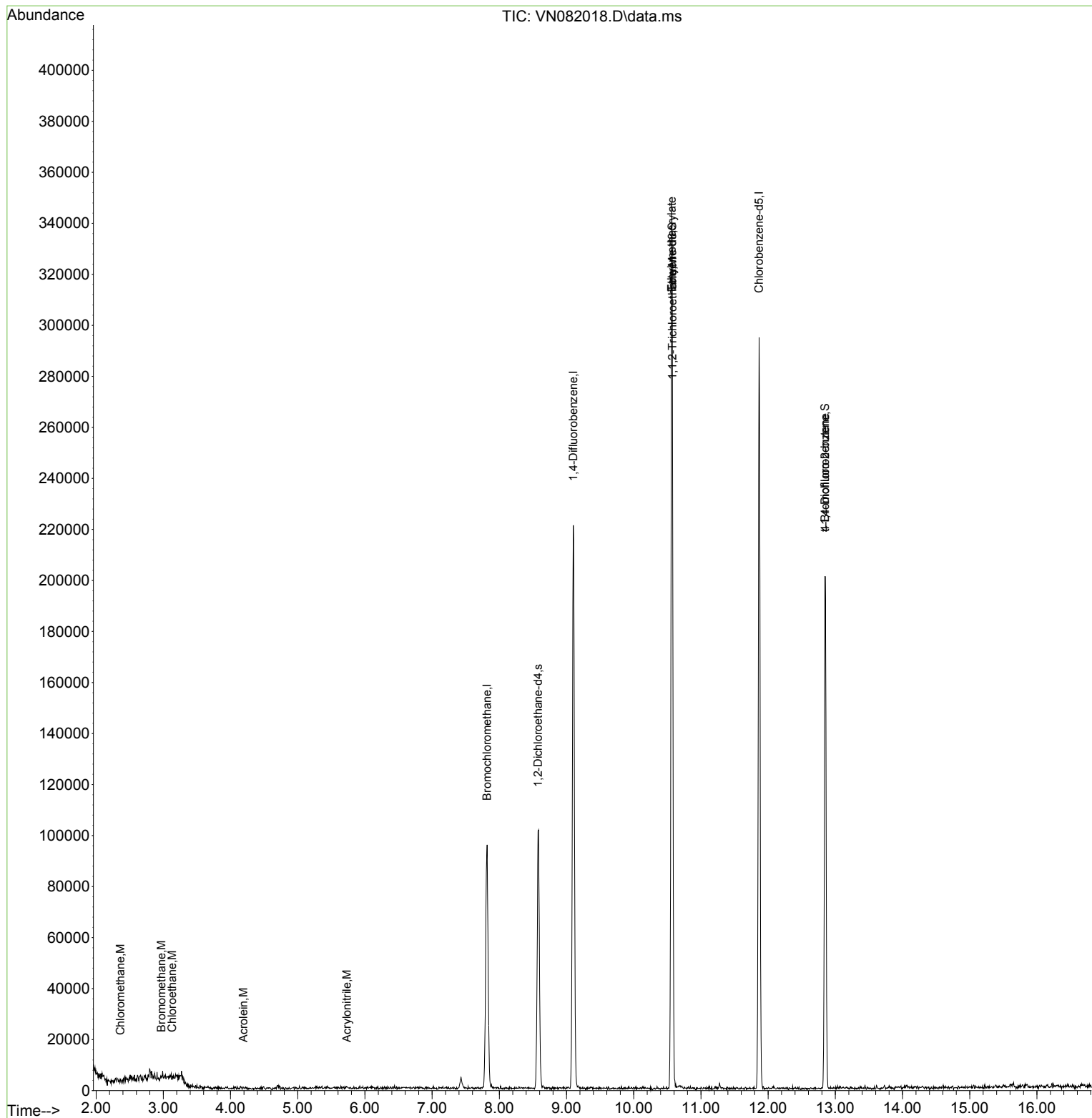
Internal Standards						
1) Bromochloromethane	7.818	128	19721	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	182222	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	155279	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	80379	48.681	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 162.267%#	
60) 4-Bromofluorobenzene	12.847	95	70187	27.160	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 90.533%	
63) Toluene-d8	10.571	98	229989	31.188	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.967%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	269	0.207	ug/l #	43
5) Bromomethane	2.971	94	133	0.208	ug/l #	52
6) Chloroethane	3.130	64	240	0.346	ug/l #	41
13) Acrolein	4.189	56	144	0.450	ug/l #	1
14) Acrylonitrile	5.730	53	333	0.484	ug/l #	18
50) 1,1,2-Trichloroethane	10.577	97	7645	3.950	ug/l #	1
51) Ethyl methacrylate	10.565	69	771	0.211	ug/l #	34
77) t-1,4-Dichloro-2-butene	12.847	75	41027	38.401	ug/l #	12

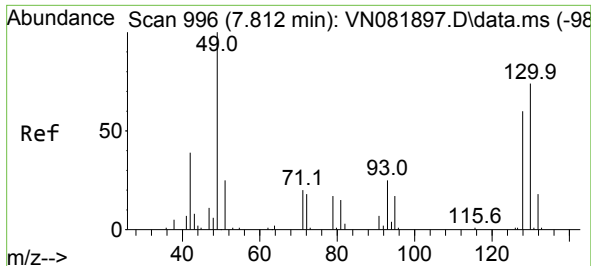
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.818 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN082018.D

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Instrument :

MSVOA_N

ClientSampleId :

VN0507WBL01

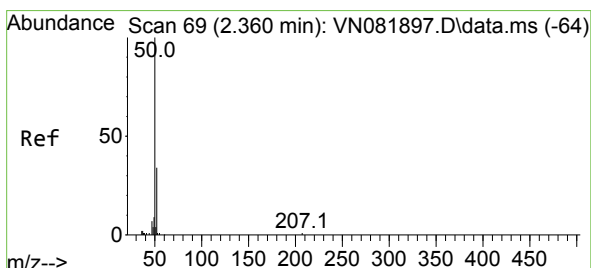
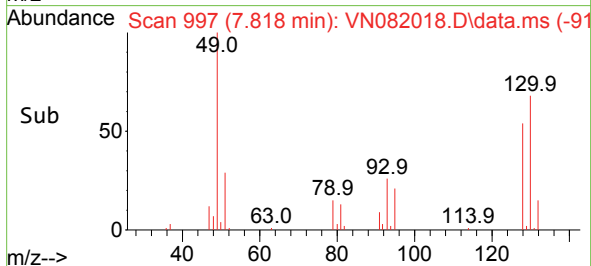
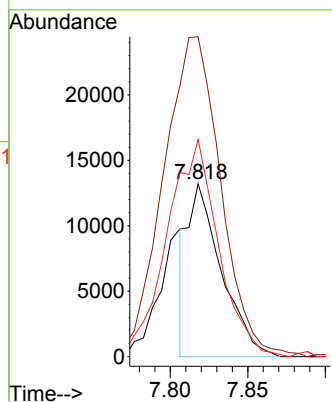
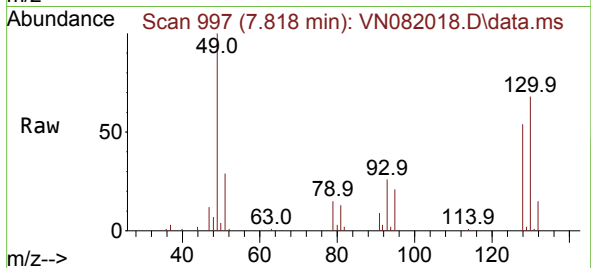
Tgt Ion:128 Resp: 19721

Ion Ratio Lower Upper

128 100

49 319.9 0.0 403.7

130 193.6 0.0 323.3



#3

Chloromethane

Concen: 0.207 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN082018.D

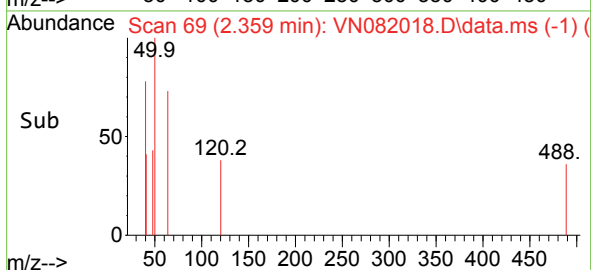
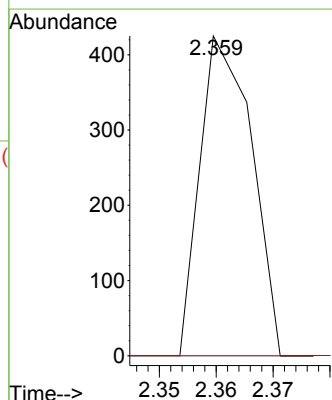
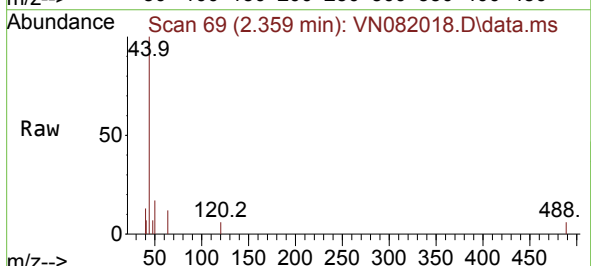
Acq: 07 May 2024 11:14

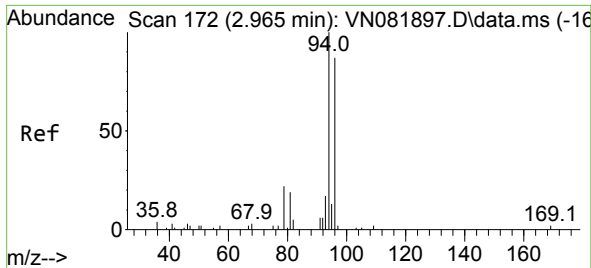
Tgt Ion: 50 Resp: 269

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.0#

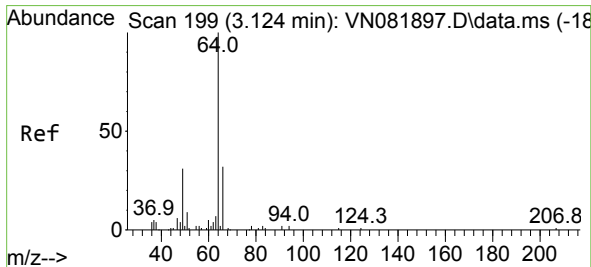
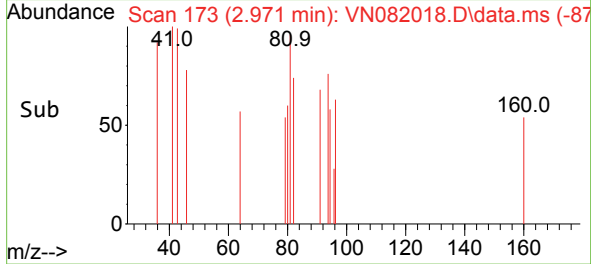
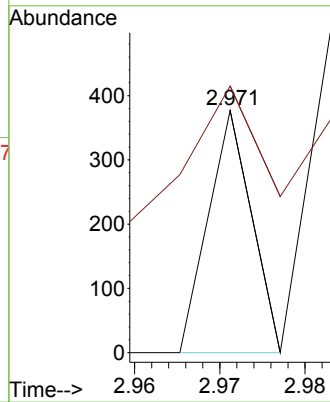
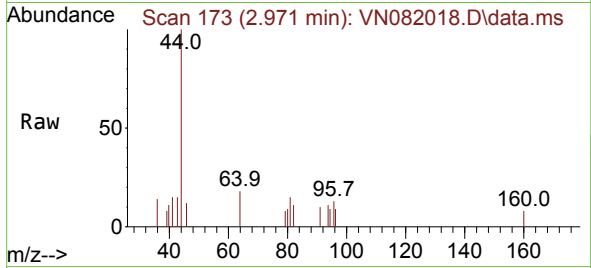




#5
Bromomethane
Concen: 0.208 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082018.D
Acq: 07 May 2024 11:14

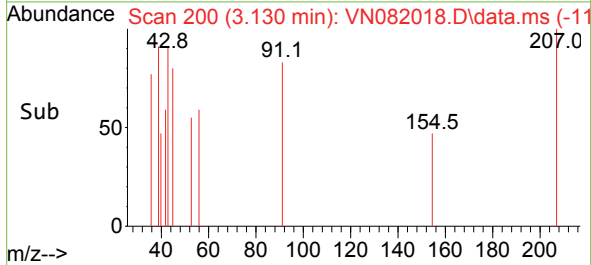
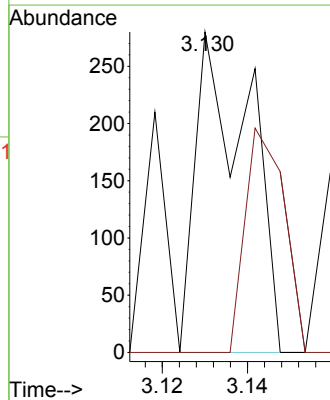
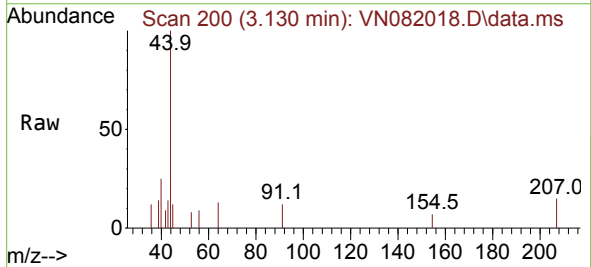
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

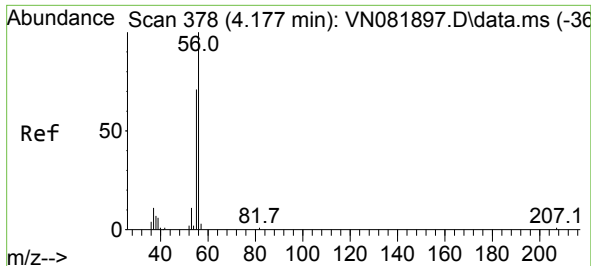
Tgt Ion: 94 Resp: 133
Ion Ratio Lower Upper
94 100
96 45.6 72.8 109.2#



#6
Chloroethane
Concen: 0.346 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN082018.D
Acq: 07 May 2024 11:14

Tgt Ion: 64 Resp: 240
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#

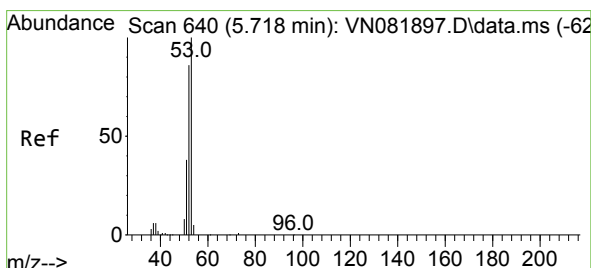
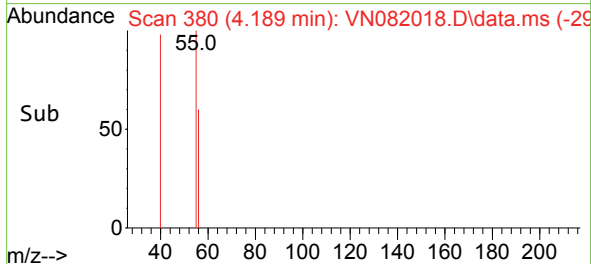
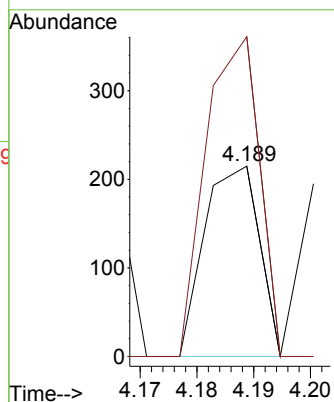
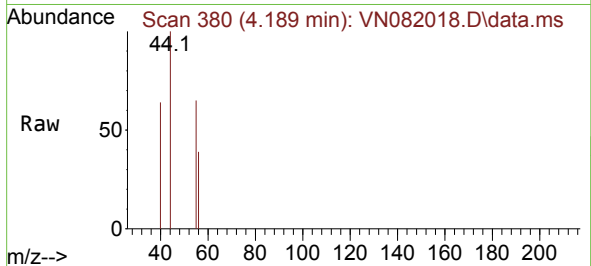




#13
Acrolein
Concen: 0.450 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN082018.D
Acq: 07 May 2024 11:14

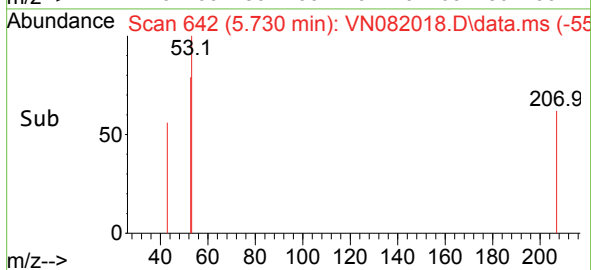
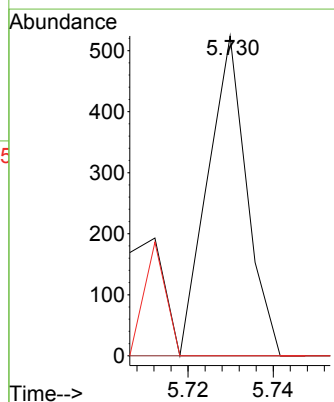
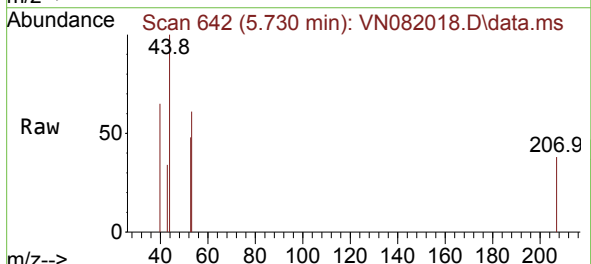
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

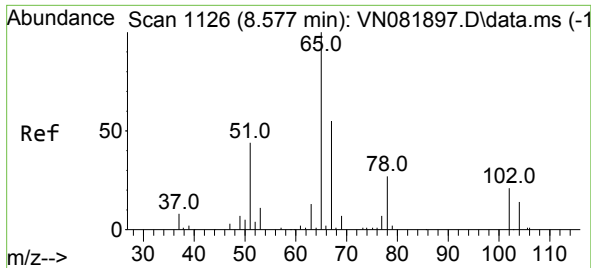
Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 163.2 55.5 83.3#



#14
Acrylonitrile
Concen: 0.484 ug/l
RT: 5.730 min Scan# 642
Delta R.T. 0.012 min
Lab File: VN082018.D
Acq: 07 May 2024 11:14

Tgt Ion: 53 Resp: 333
Ion Ratio Lower Upper
53 100
52 0.0 41.3 123.9#
51 0.0 16.8 50.3#

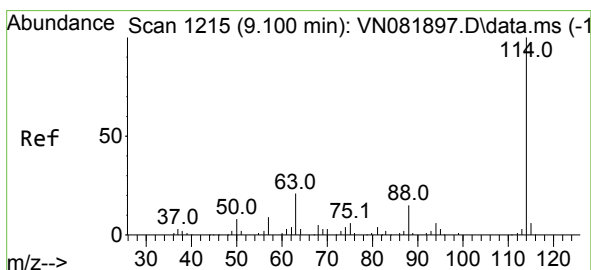
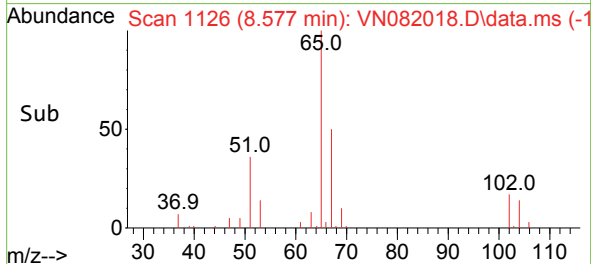
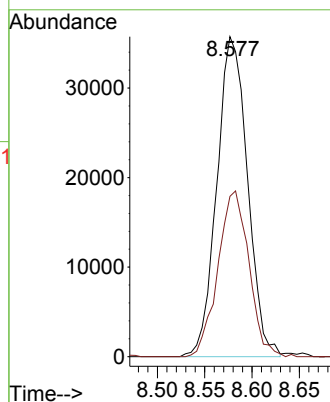
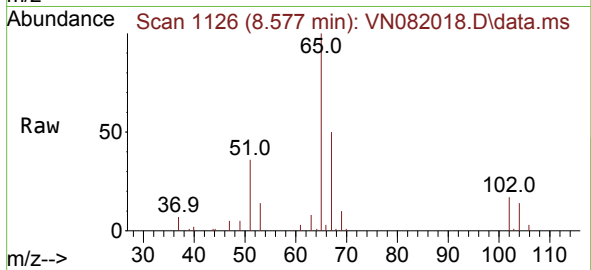




#27
1,2-Dichloroethane-d4
Concen: 48.681 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082018.D
Acq: 07 May 2024 11:14

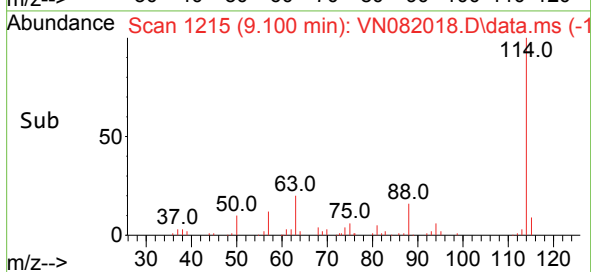
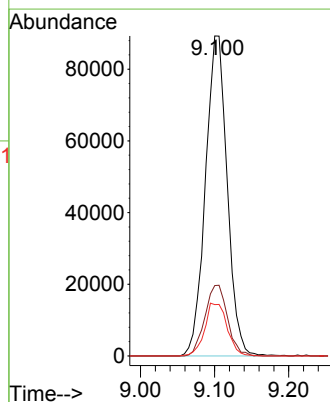
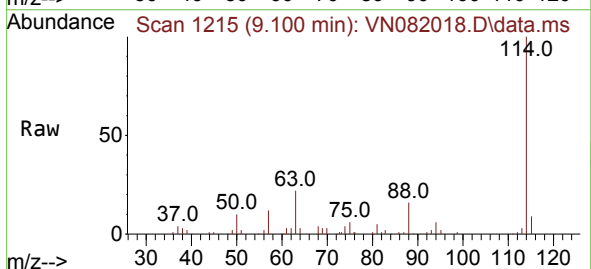
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

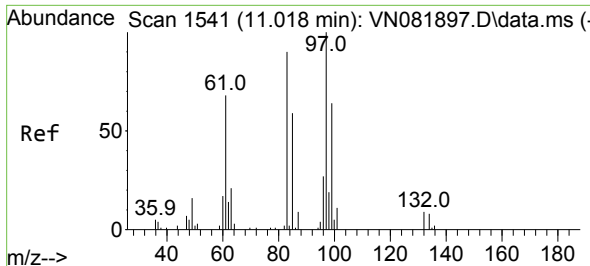
Tgt Ion: 65 Resp: 80379
Ion Ratio Lower Upper
65 100
67 52.3 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN082018.D
Acq: 07 May 2024 11:14

Tgt Ion: 114 Resp: 182222
Ion Ratio Lower Upper
114 100
63 22.9 15.9 23.9
88 17.0 12.7 19.1

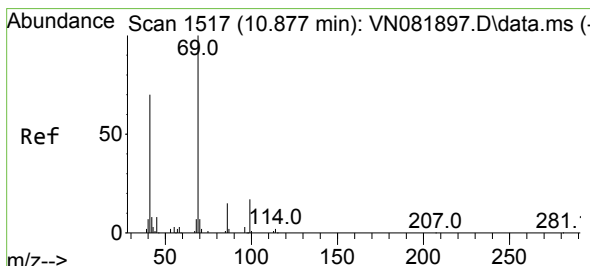
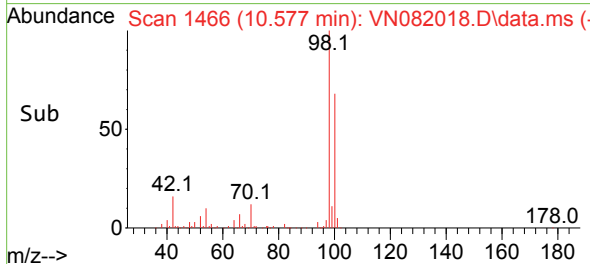
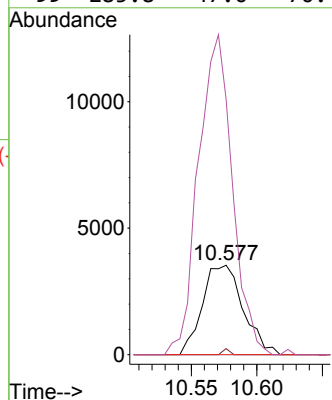
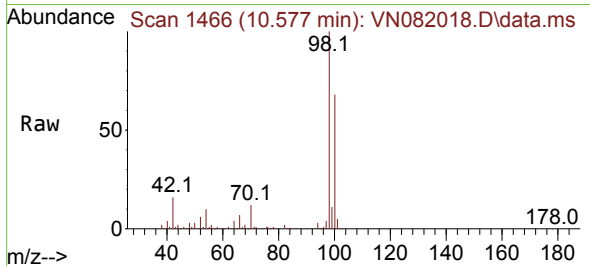




#50
1,1,2-Trichloroethane
Concen: 3.950 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN082018.D
Acq: 07 May 2024 11:14

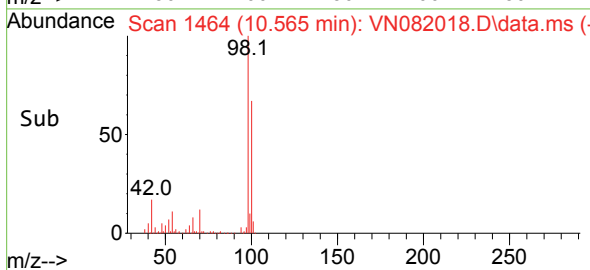
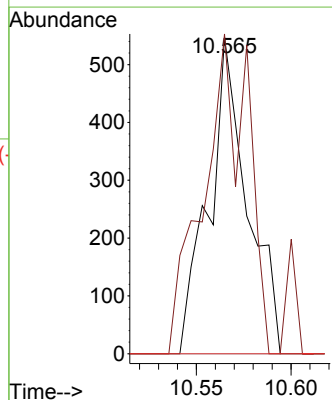
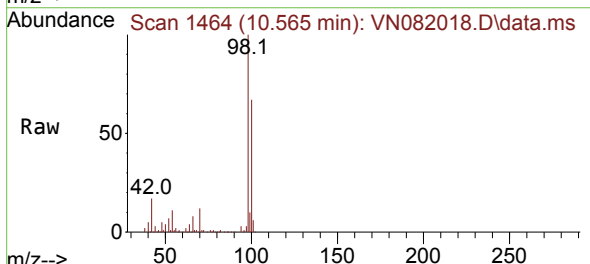
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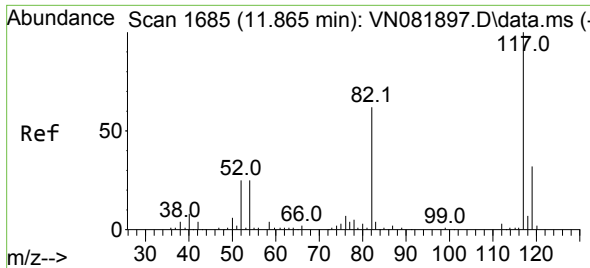
Tgt Ion: 97	Resp: 7645
Ion Ratio	Lower Upper
97 100	
83 6.8	68.1 102.1#
85 0.0	41.8 62.6#
99 285.8	47.0 70.4#



#51
Ethyl methacrylate
Concen: 0.211 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.312 min
Lab File: VN082018.D
Acq: 07 May 2024 11:14

Tgt Ion: 69	Resp: 771
Ion Ratio	Lower Upper
69 100	
41 100.9	25.5 76.5#
39 0.0	16.0 47.9#

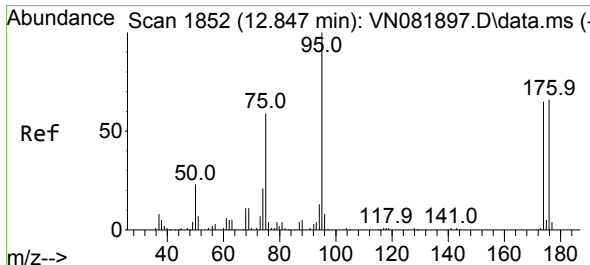
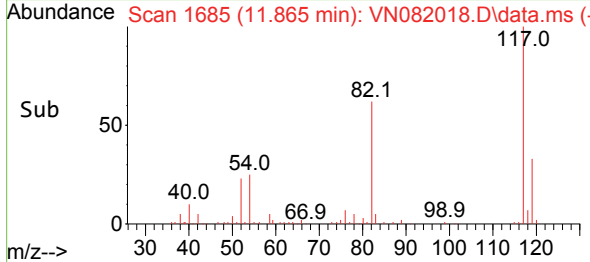
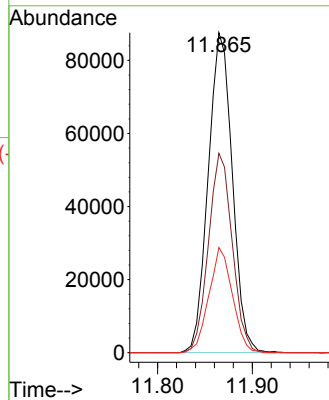
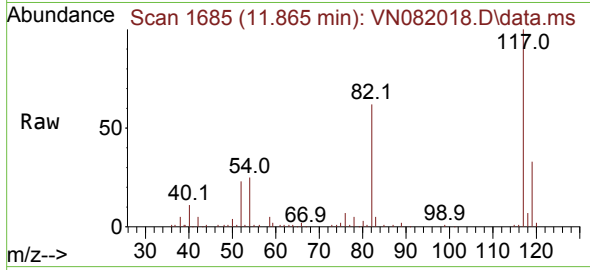




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082018.D
Acq: 07 May 2024 11:14

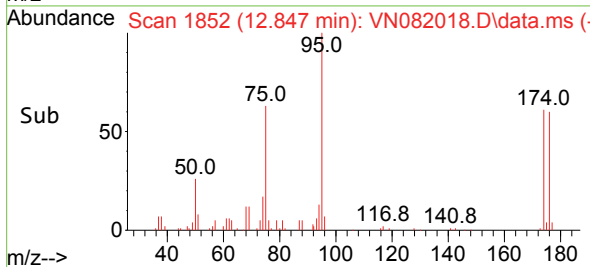
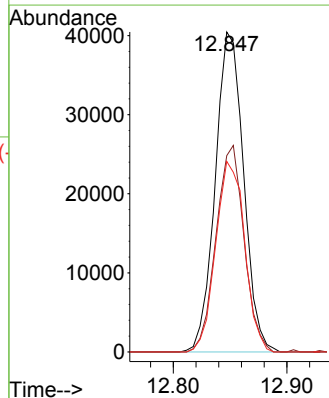
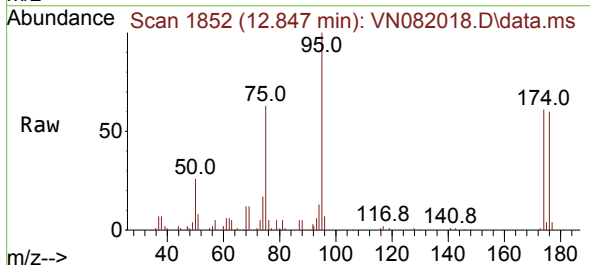
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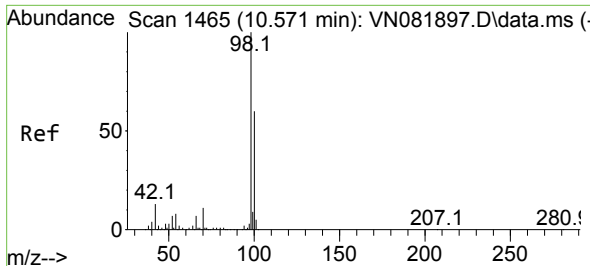
Tgt Ion:117 Resp: 155279
Ion Ratio Lower Upper
117 100
82 61.6 46.6 69.8
119 32.1 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 27.160 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082018.D
Acq: 07 May 2024 11:14

Tgt Ion: 95 Resp: 70187
Ion Ratio Lower Upper
95 100
174 63.8 60.5 90.7
176 60.8 57.8 86.6

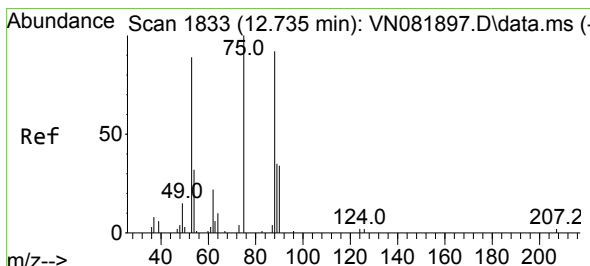
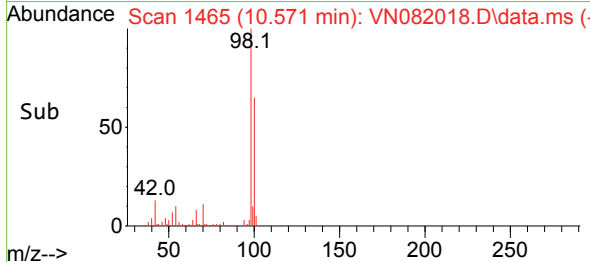
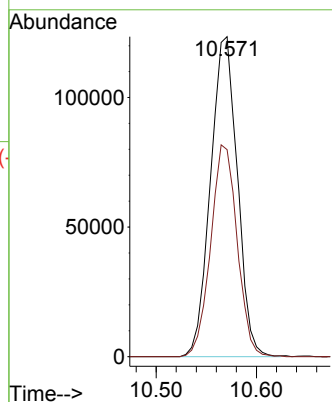
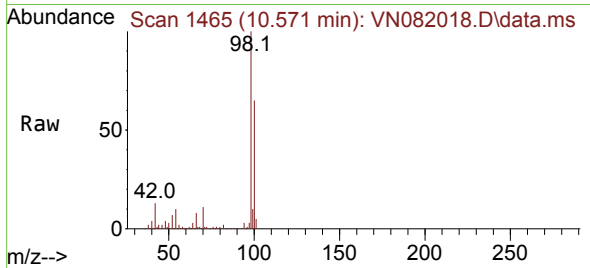




#63
Toluene-d8
Concen: 31.188 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082018.D
Acq: 07 May 2024 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

Tgt Ion: 98 Resp: 229989
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 38.401 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082018.D
Acq: 07 May 2024 11:14

Tgt Ion: 75 Resp: 41027
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

