

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
 Data File : VN082012.D
 Acq On : 06 May 2024 16:45
 Operator : JC\MD
 Sample : P2402-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 00:30:09 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)

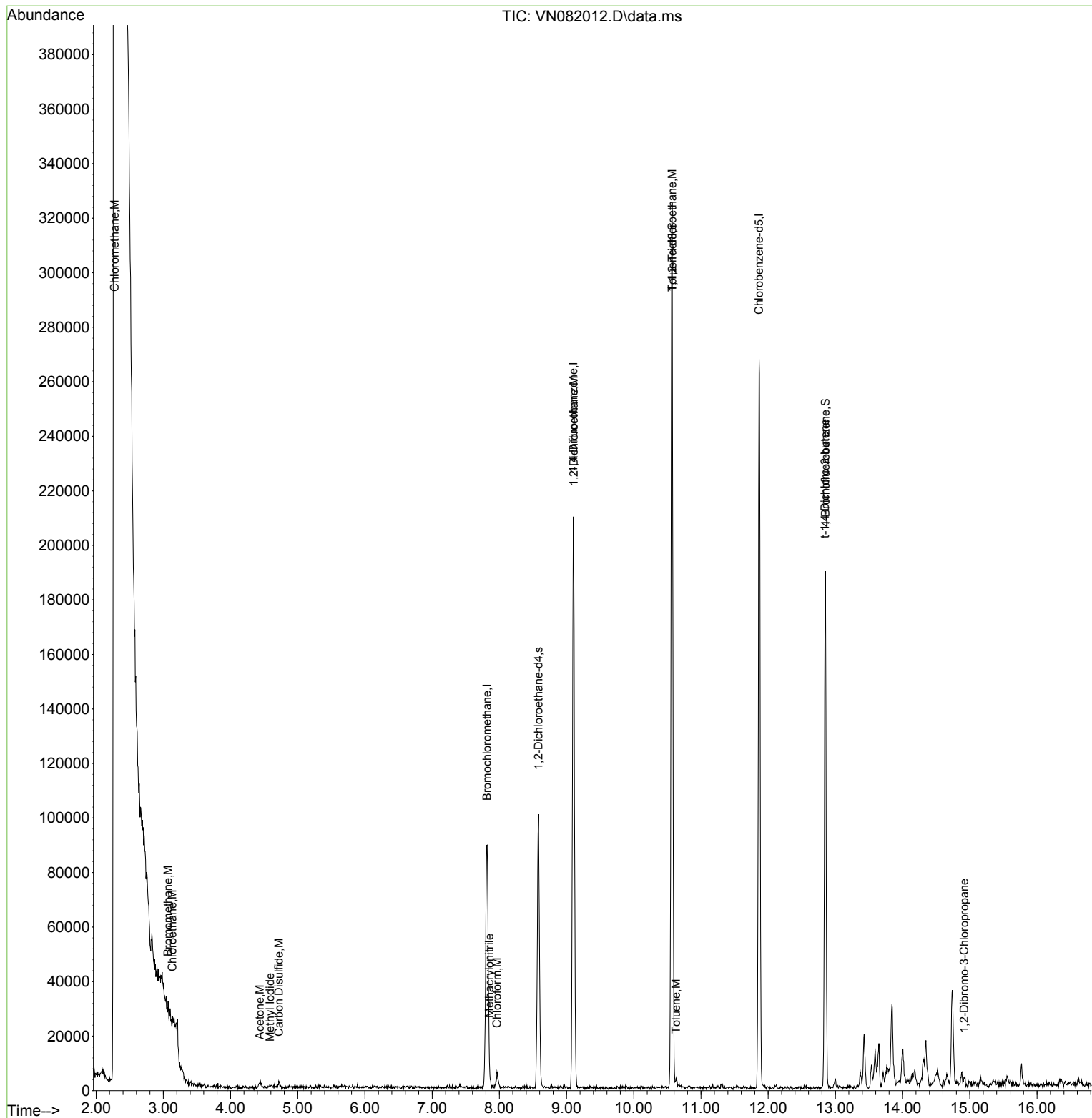
Internal Standards						
1) Bromochloromethane	7.818	128	29499	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	173801	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	146653	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	74222	30.052	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.167%
60) 4-Bromofluorobenzene	12.853	95	65143	26.691	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.967%
63) Toluene-d8	10.570	98	218787	31.414	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.700%
Target Compounds						
					Qvalue	
3) Chloromethane	2.277	50	261291	134.552	ug/l #	44
5) Bromomethane	3.071	94	292	0.305	ug/l	92
6) Chloroethane	3.136	64	2285	2.200	ug/l #	53
11) Methyl Iodide	4.589	142	670	0.407	ug/l #	34
15) Acetone	4.436	58	738	3.201	ug/l #	1
16) Carbon Disulfide	4.718	76	1041	0.209	ug/l #	31
25) Chloroform	7.965	83	3299	0.926	ug/l #	65
35) Methacrylonitrile	7.853	41	385	0.228	ug/l #	22
36) 1,2-Dichloroethane	9.106	62	6676	2.409	ug/l #	72
50) 1,1,2-Trichloroethane	10.570	97	6723	3.642	ug/l #	1
62) Toluene	10.629	91	2085	0.253	ug/l #	72
77) t-1,4-Dichloro-2-butene	12.847	75	38737	38.390	ug/l #	12
88) 1,2-Dibromo-3-Chloropr...	14.917	75	121	0.222	ug/l #	4

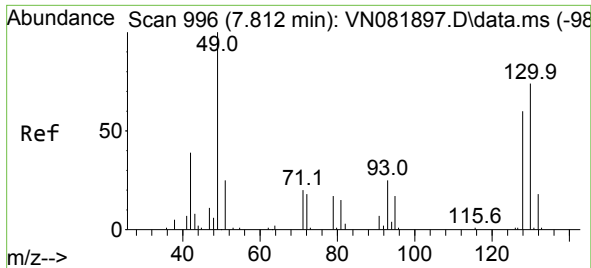
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 07 00:30:09 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

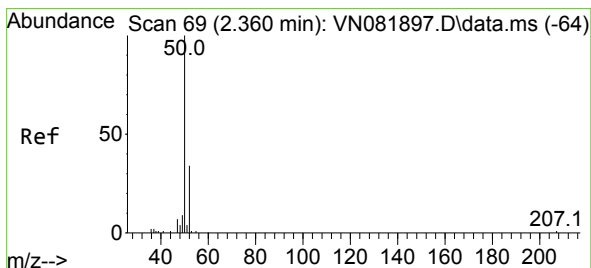
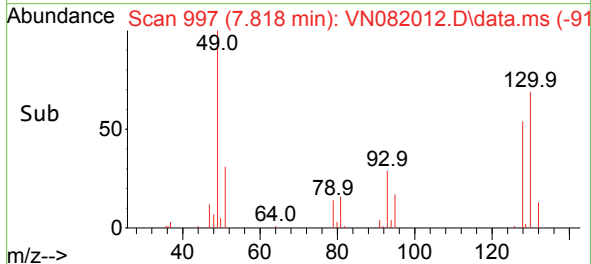
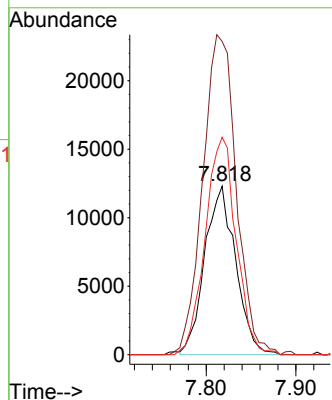
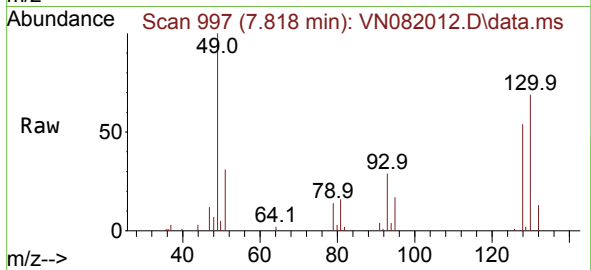




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082012.D
Acq: 06 May 2024 16:45

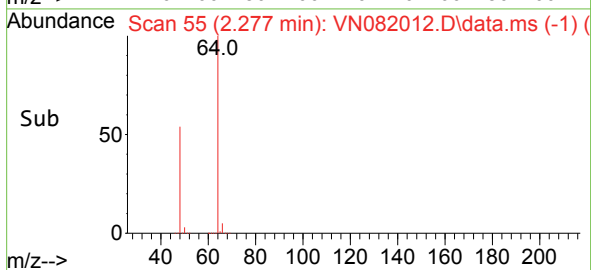
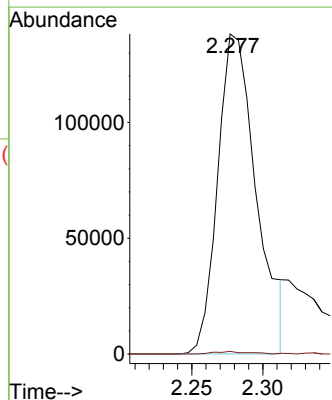
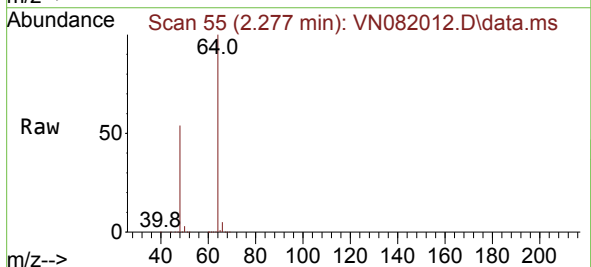
Instrument :
MSVOA_N
ClientSampleId :

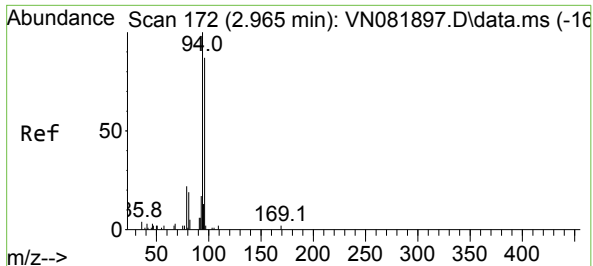
Tgt Ion:	128	Resp:	29499
Ion	Ratio	Lower	Upper
128	100		
49	205.4	0.0	403.7
130	128.9	0.0	323.3



#3
Chloromethane
Concen: 134.552 ug/l
RT: 2.277 min Scan# 55
Delta R.T. -0.083 min
Lab File: VN082012.D
Acq: 06 May 2024 16:45

Tgt Ion:	50	Resp:	261291
Ion	Ratio	Lower	Upper
50	100		
52	0.8	25.4	38.0#

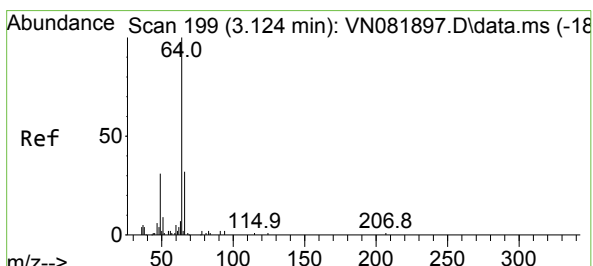
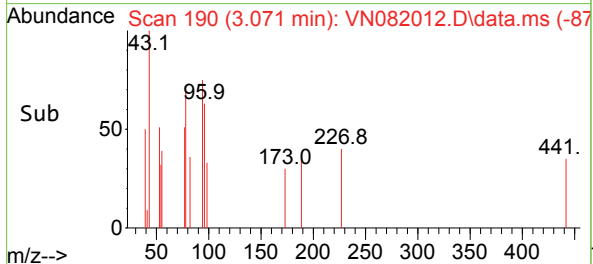
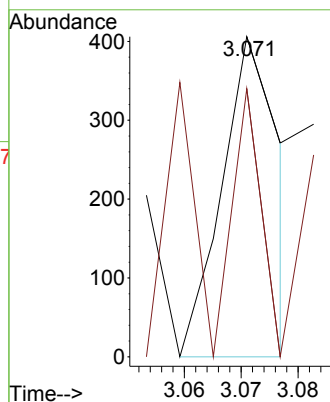
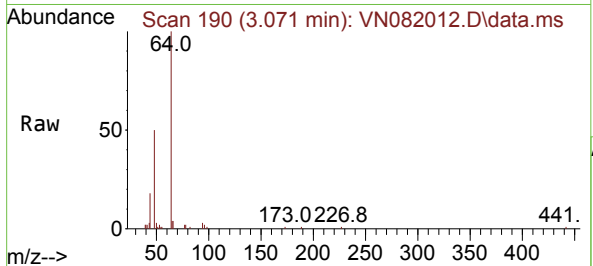




#5
Bromomethane
Concen: 0.305 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.106 min
Lab File: VN082012.D
Acq: 06 May 2024 16:45

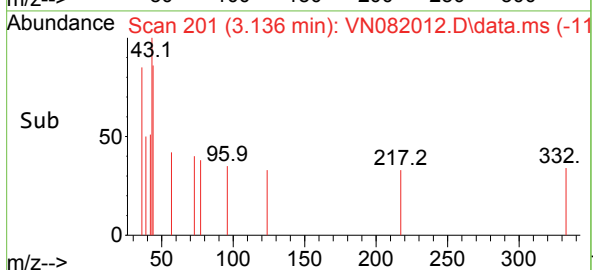
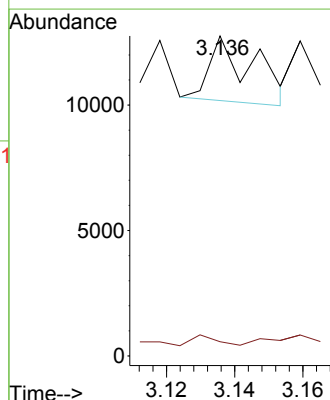
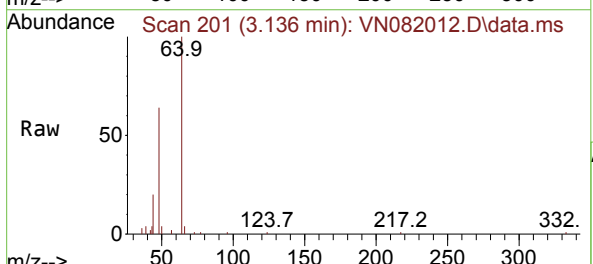
Instrument :
MSVOA_N
ClientSampleId :

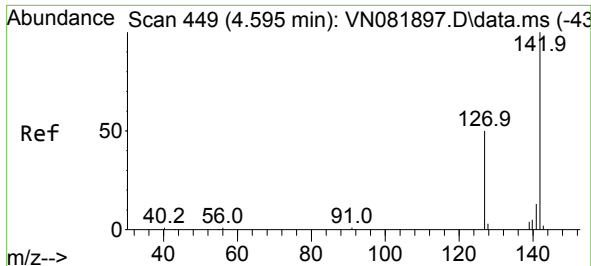
Tgt Ion: 94 Resp: 292
Ion Ratio Lower Upper
94 100
96 83.7 72.8 109.2



#6
Chloroethane
Concen: 2.200 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.012 min
Lab File: VN082012.D
Acq: 06 May 2024 16:45

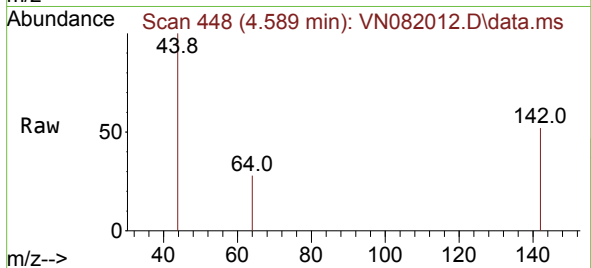
Tgt Ion: 64 Resp: 2285
Ion Ratio Lower Upper
64 100
66 6.4 26.7 40.1#



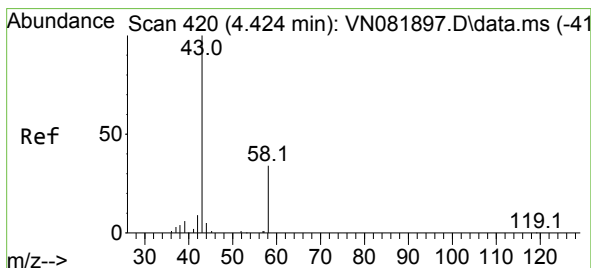
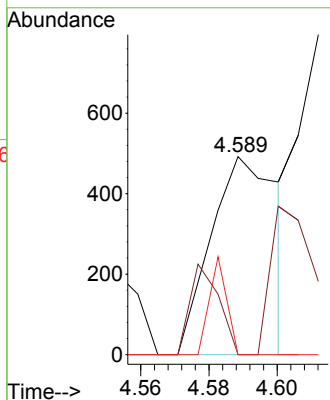
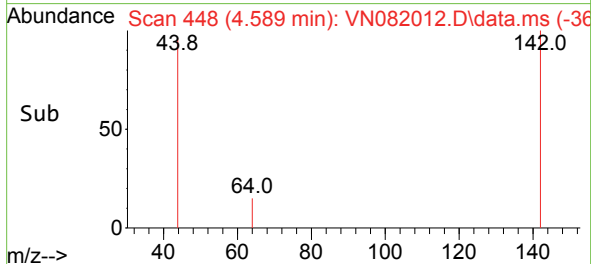


#11
Methyl Iodide
Concen: 0.407 ug/l
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN082012.D
Acq: 06 May 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

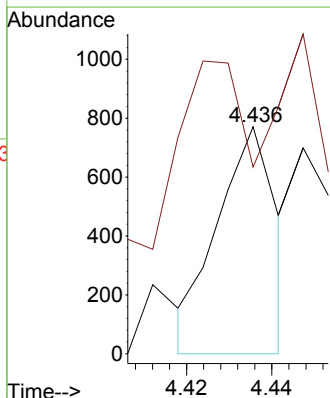
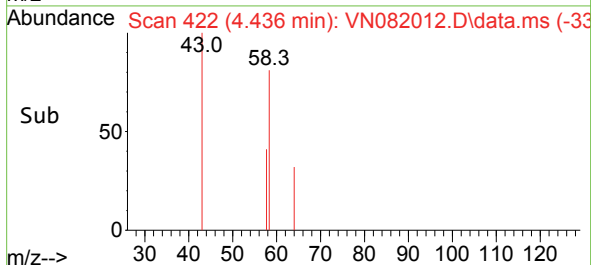
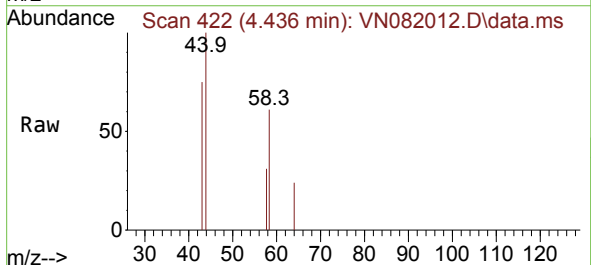


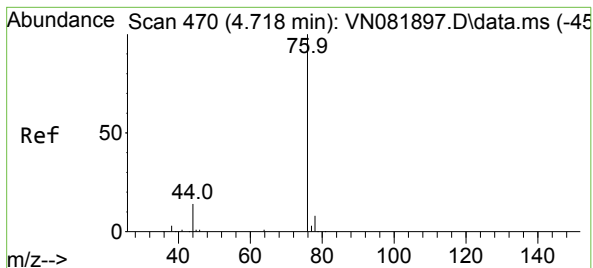
Tgt Ion:142 Resp: 670
Ion Ratio Lower Upper
142 100
127 0.0 26.3 78.9#
141 0.0 8.3 24.9#



#15
Acetone
Concen: 3.201 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082012.D
Acq: 06 May 2024 16:45

Tgt Ion: 58 Resp: 738
Ion Ratio Lower Upper
58 100
43 0.0 223.1 334.7#





#16

Carbon Disulfide

Concen: 0.209 ug/l

RT: 4.718 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN082012.D

Acq: 06 May 2024 16:45

Instrument :

MSVOA_N

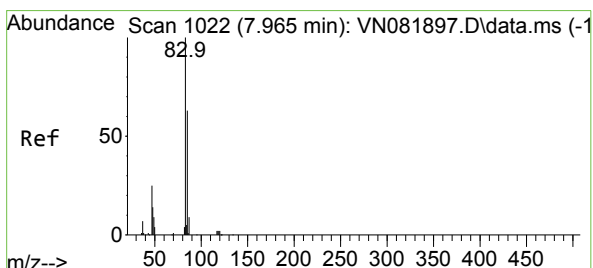
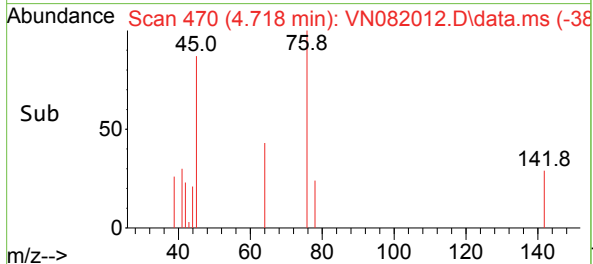
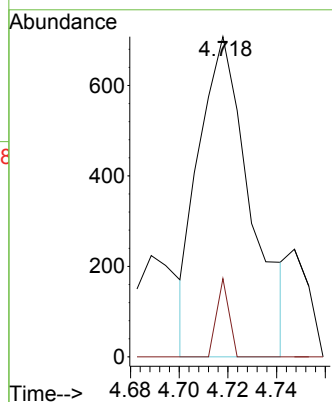
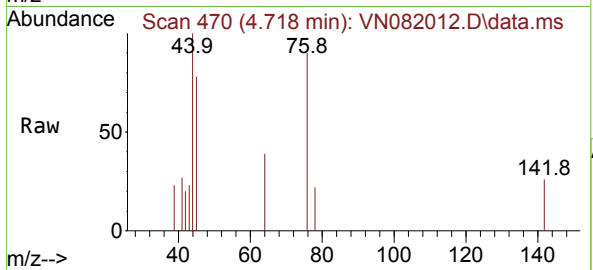
ClientSampleId :

Tgt Ion: 76 Resp: 1041

Ion Ratio Lower Upper

76 100

78 32.2 6.3 9.5#



#25

Chloroform

Concen: 0.926 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN082012.D

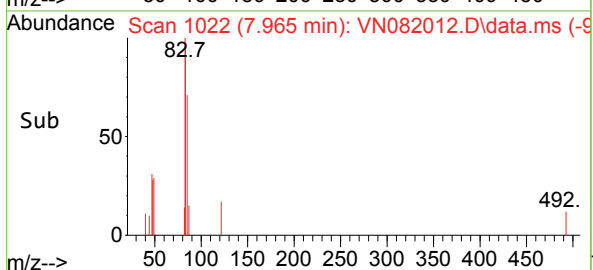
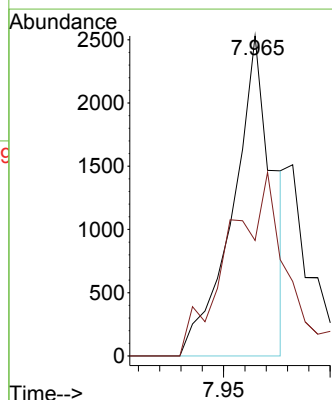
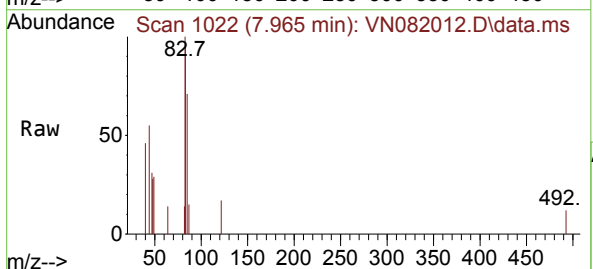
Acq: 06 May 2024 16:45

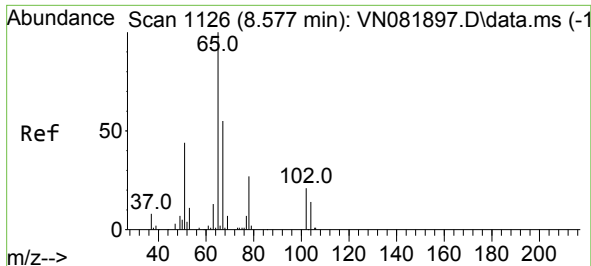
Tgt Ion: 83 Resp: 3299

Ion Ratio Lower Upper

83 100

85 36.1 50.9 76.3#





#27

1,2-Dichloroethane-d4

Concen: 30.052 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082012.D

Acq: 06 May 2024 16:45

Instrument :

MSVOA_N

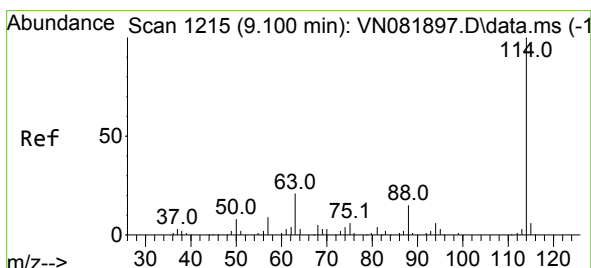
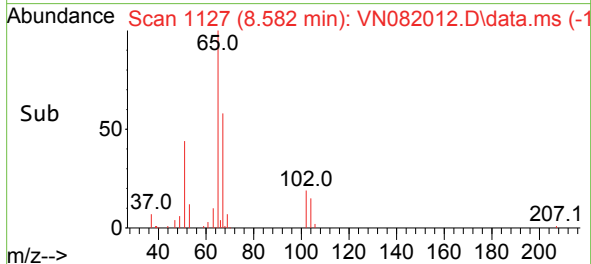
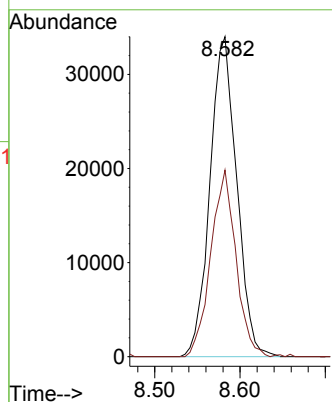
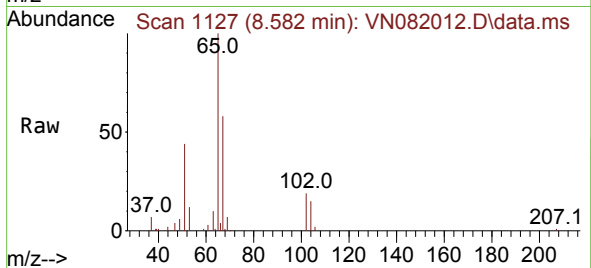
ClientSampleId :

Tgt Ion: 65 Resp: 74222

Ion Ratio Lower Upper

65 100

67 54.8 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: VN082012.D

Acq: 06 May 2024 16:45

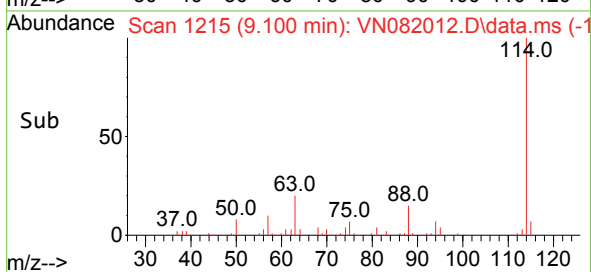
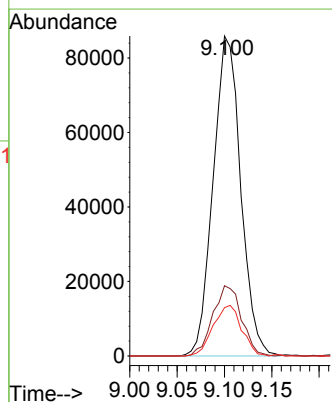
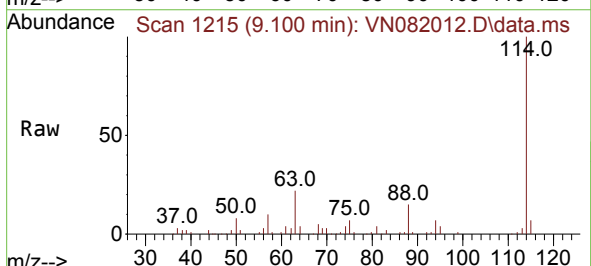
Tgt Ion: 114 Resp: 173801

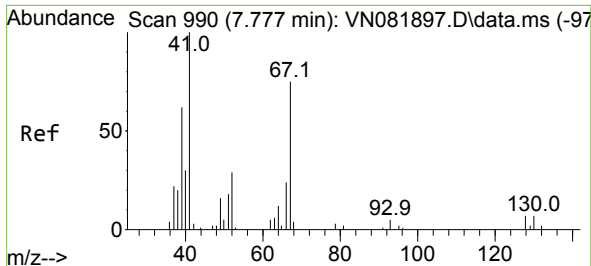
Ion Ratio Lower Upper

114 100

63 22.9 15.9 23.9

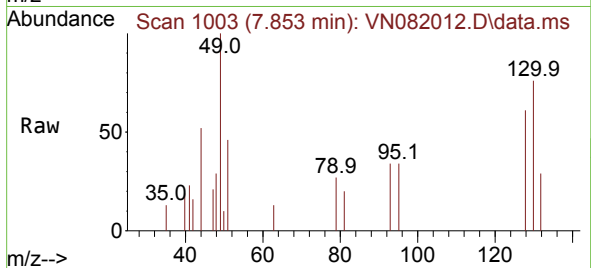
88 16.4 12.7 19.1



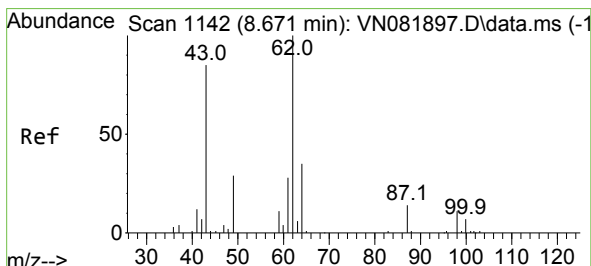
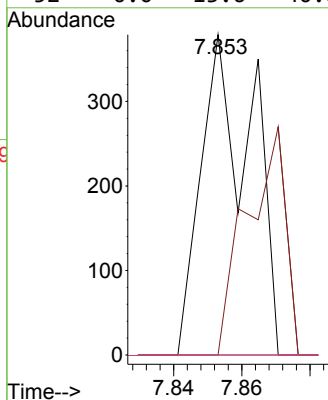
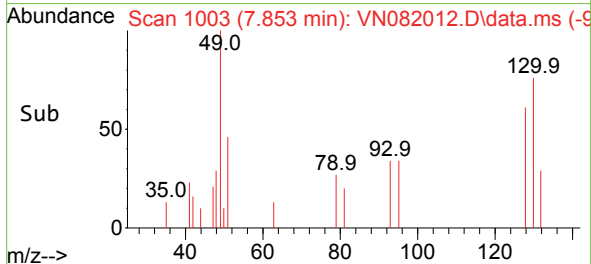


#35
Methacrylonitrile
Concen: 0.228 ug/l
RT: 7.853 min Scan# 110
Delta R.T. 0.076 min
Lab File: VN082012.D
Acq: 06 May 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

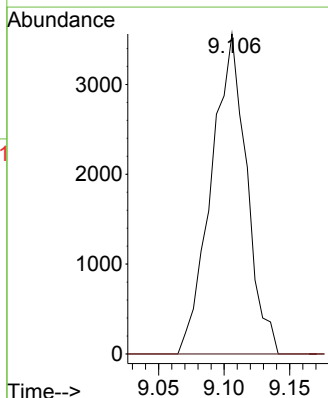
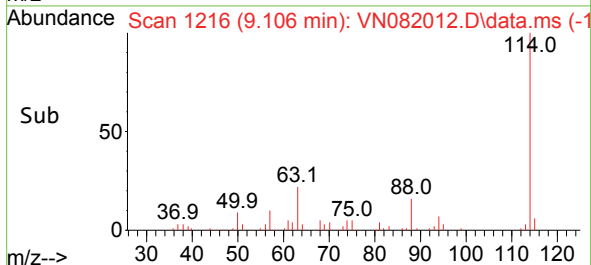
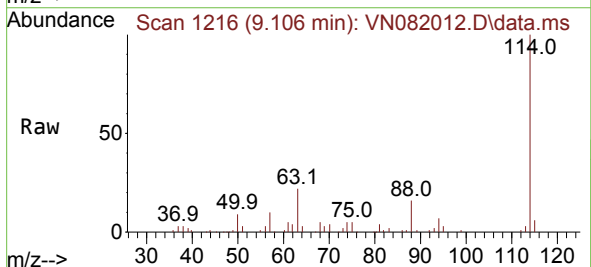


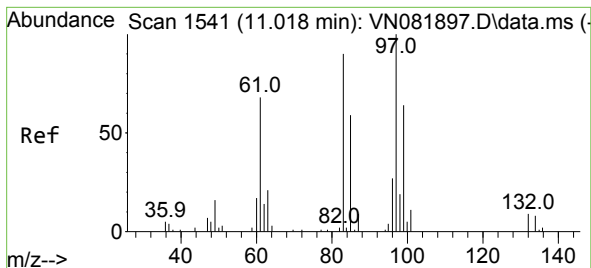
Tgt Ion: 41 Resp: 385
Ion Ratio Lower Upper
41 100
39 0.0 25.3 75.9#
67 0.0 38.7 116.1#
52 0.0 13.6 40.8#



#36
1,2-Dichloroethane
Concen: 2.409 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.435 min
Lab File: VN082012.D
Acq: 06 May 2024 16:45

Tgt Ion: 62 Resp: 6676
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#





#50

1,1,2-Trichloroethane

Concen: 3.642 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.447 min

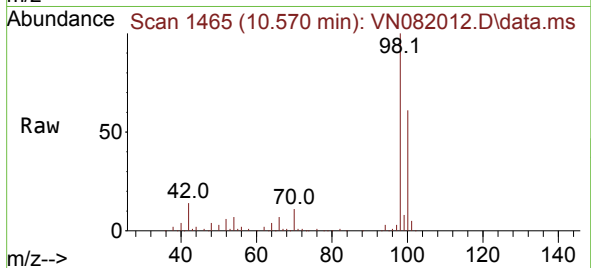
Lab File: VN082012.D

Acq: 06 May 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 6723

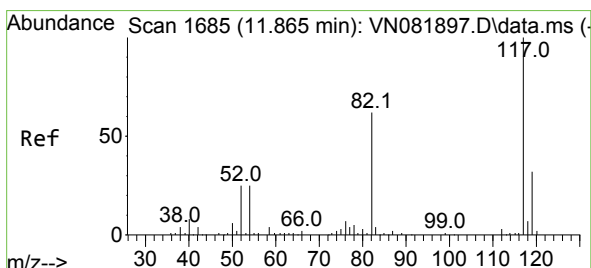
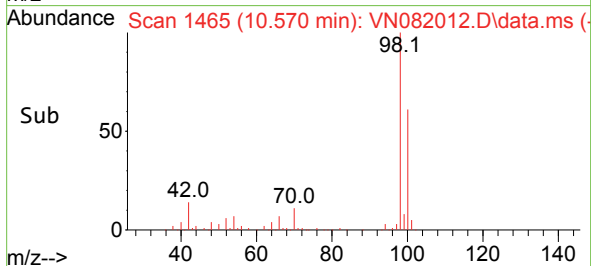
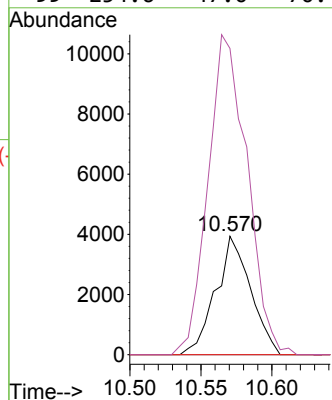
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 254.6 47.0 70.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN082012.D

Acq: 06 May 2024 16:45

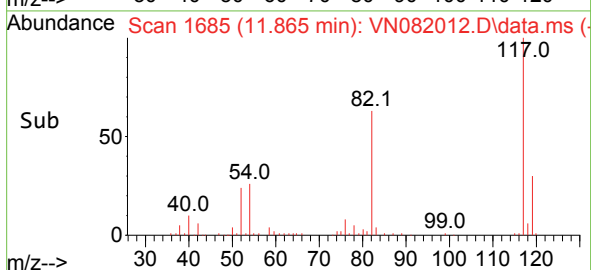
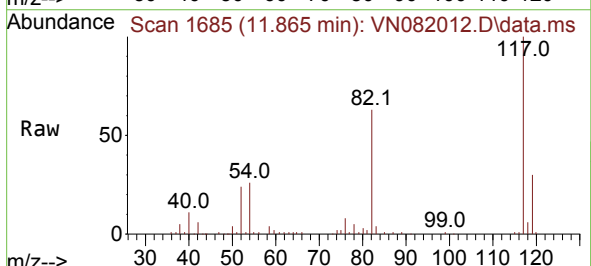
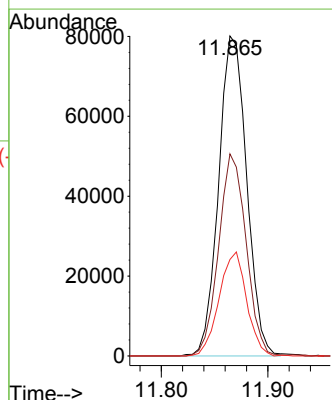
Tgt Ion: 117 Resp: 146653

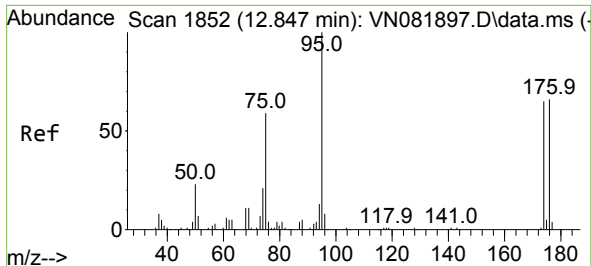
Ion Ratio Lower Upper

117 100

82 61.7 46.6 69.8

119 31.8 25.4 38.2

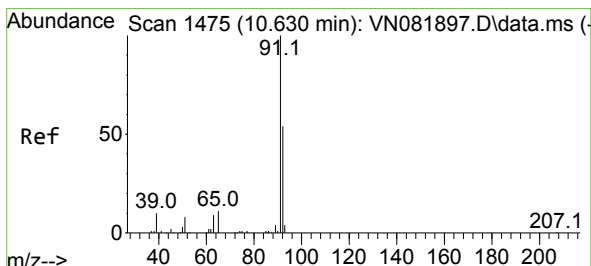
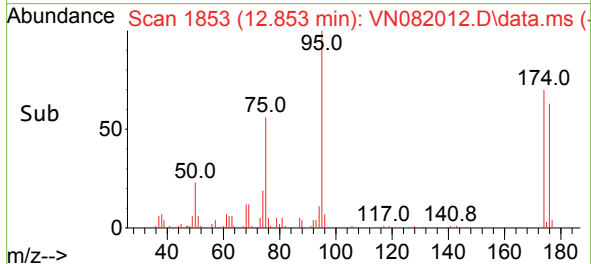
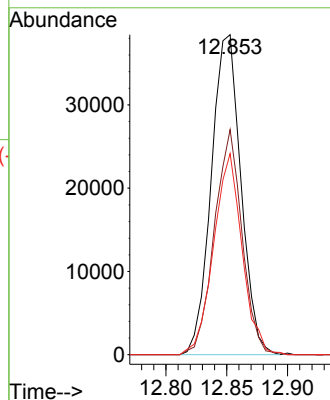
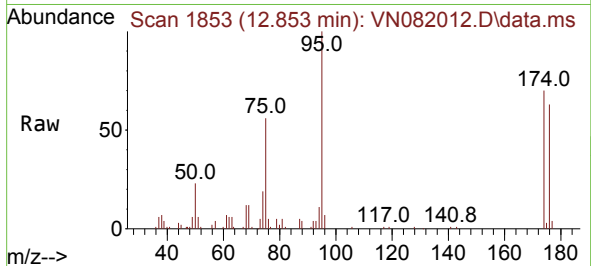




#60
4-Bromofluorobenzene
Concen: 26.691 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082012.D
Acq: 06 May 2024 16:45

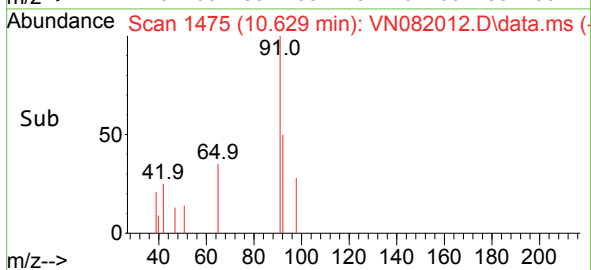
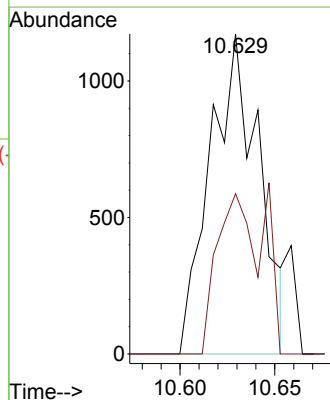
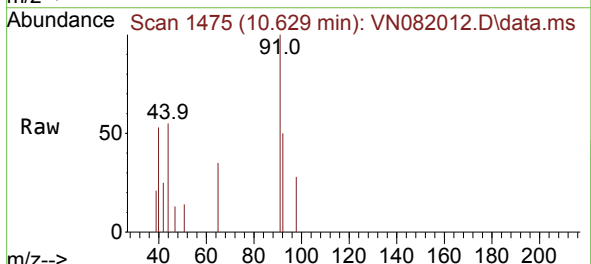
Instrument :
MSVOA_N
ClientSampleId :

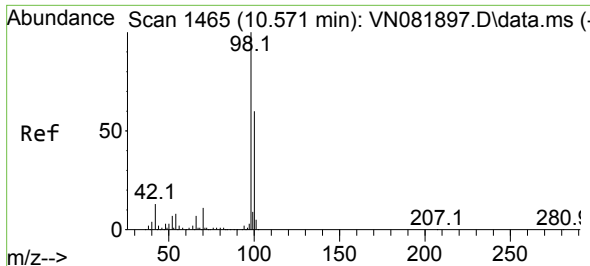
Tgt Ion: 95 Resp: 65143
Ion Ratio Lower Upper
95 100
174 65.6 60.5 90.7
176 60.5 57.8 86.6



#62
Toluene
Concen: 0.253 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN082012.D
Acq: 06 May 2024 16:45

Tgt Ion: 91 Resp: 2085
Ion Ratio Lower Upper
91 100
92 37.1 46.5 69.7#

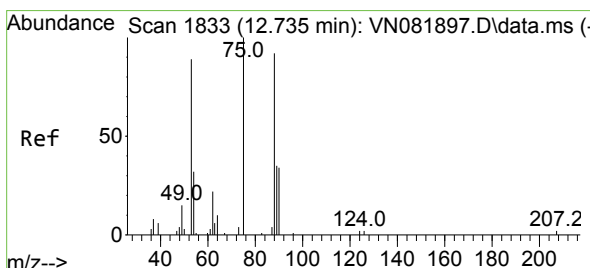
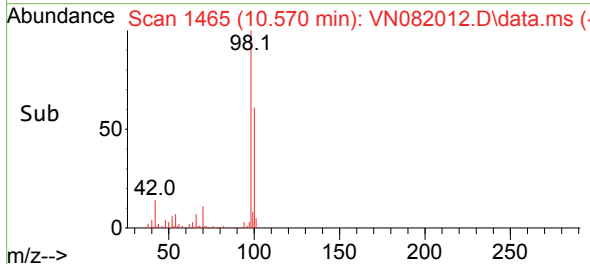
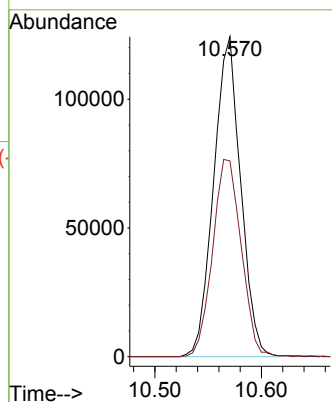
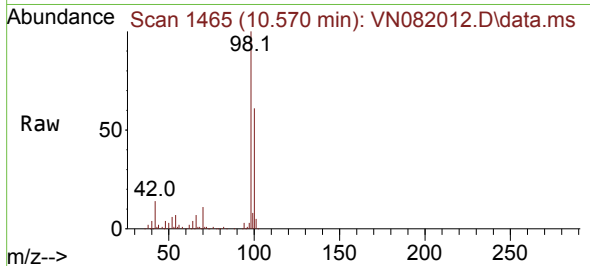




#63
Toluene-d8
Concen: 31.414 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082012.D
Acq: 06 May 2024 16:45

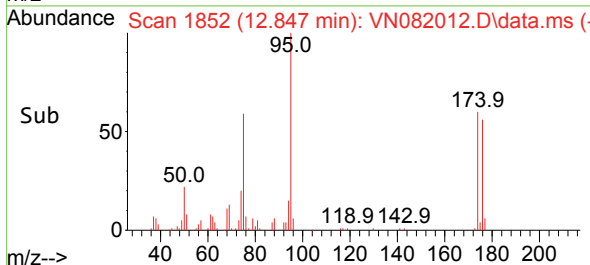
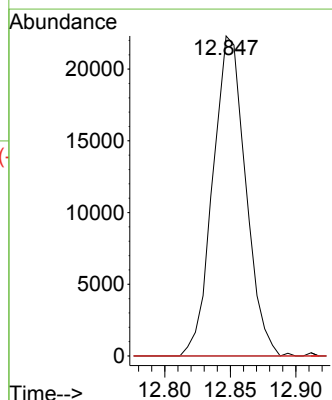
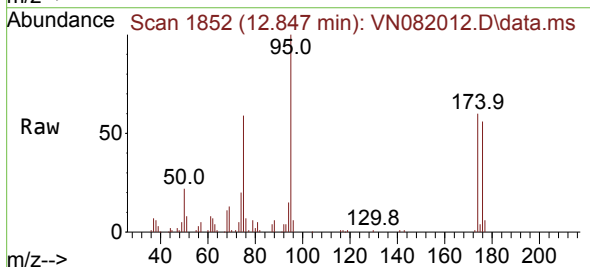
Instrument :
MSVOA_N
ClientSampleId :

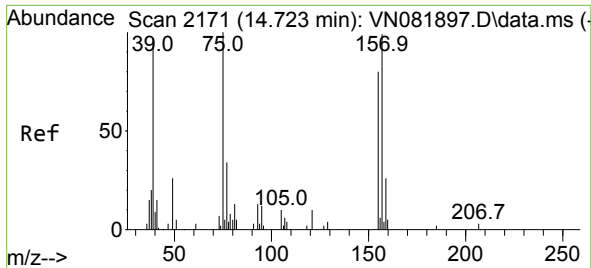
Tgt Ion: 98 Resp: 218787
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 38.390 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082012.D
Acq: 06 May 2024 16:45

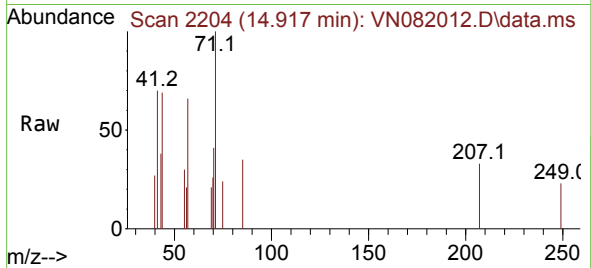
Tgt Ion: 75 Resp: 38737
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#





#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.222 ug/l
 RT: 14.917 min Scan# 2171
 Delta R.T. 0.194 min
 Lab File: VN082012.D
 Acq: 06 May 2024 16:45

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 121
 Ion Ratio Lower Upper
 75 100
 155 0.0 61.7 92.5#
 157 0.0 83.6 125.4#

