

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082099.D
 Acq On : 13 May 2024 16:22
 Operator : JC\MD
 Sample : P2460-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240501008-01

Quant Time: May 14 03:33:59 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)

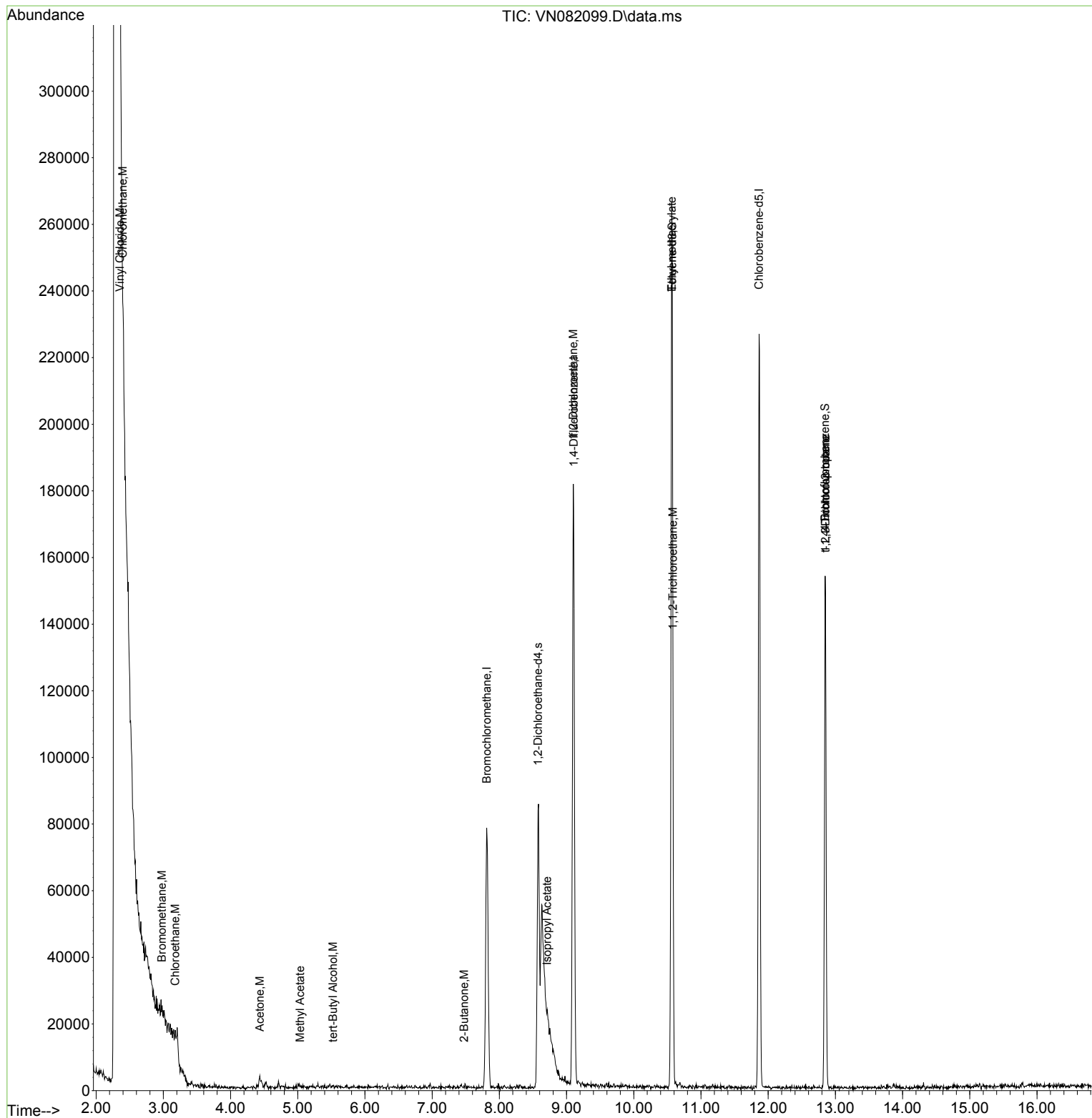
Internal Standards						
1) Bromochloromethane	7.812	128	25297	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	142033	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	118839	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	64872	30.629	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.100%	
60) 4-Bromofluorobenzene	12.847	95	53230	26.915	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 89.700%	
63) Toluene-d8	10.571	98	175726	31.137	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.395	50	3915	2.351	ug/l	# 74
4) Vinyl Chloride	2.353	62	443	0.282	ug/l	# 1
5) Bromomethane	2.977	94	433	0.527	ug/l	98
6) Chloroethane	3.177	64	1422	1.596	ug/l	# 41
12) Methyl Acetate	5.036	43	538	0.278	ug/l	# 40
15) Acetone	4.436	58	358	1.811	ug/l	# 44
23) tert-Butyl Alcohol	5.524	59	367	1.010	ug/l	# 100
30) 2-Butanone	7.477	43	271	0.249	ug/l	# 52
36) 1,2-Dichloroethane	9.100	62	6537	2.887	ug/l	# 72
44) Isopropyl Acetate	8.712	43	5493	1.302	ug/l	# 46
50) 1,1,2-Trichloroethane	10.582	97	5569	3.692	ug/l	# 1
51) Ethyl methacrylate	10.565	69	632	0.222	ug/l	# 47
72) 1,2,3-Trichloropropane	12.853	75	28810	15.682	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	28810	35.234	ug/l	# 12

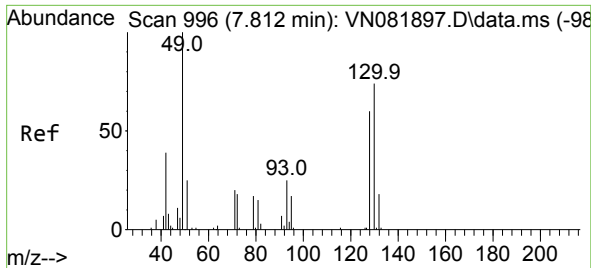
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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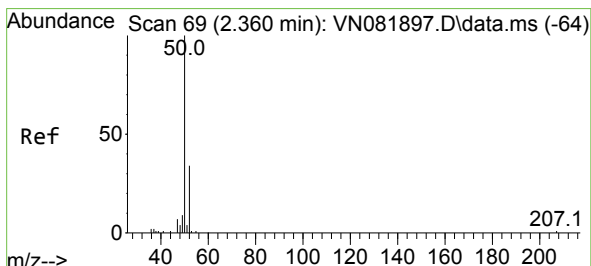
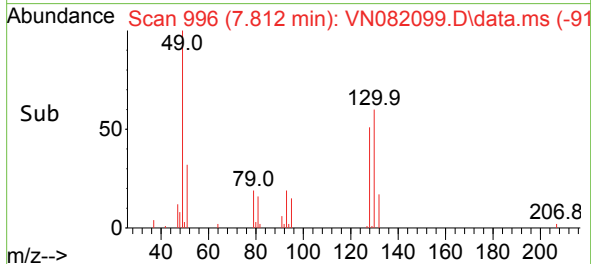
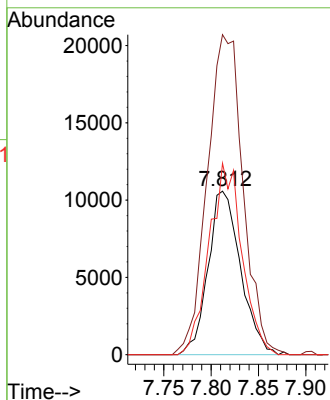
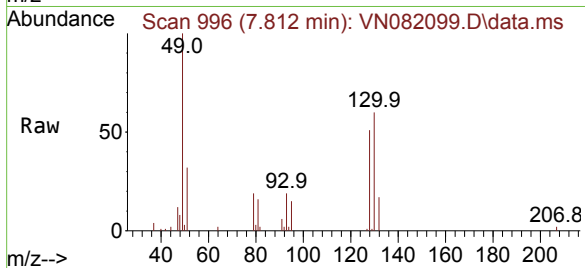




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

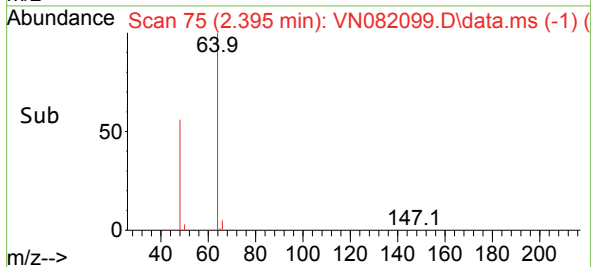
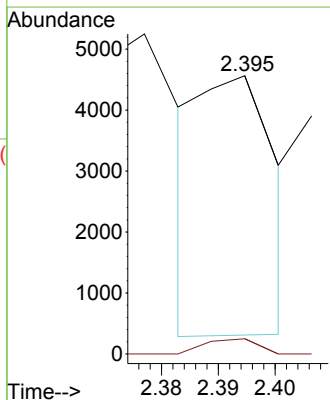
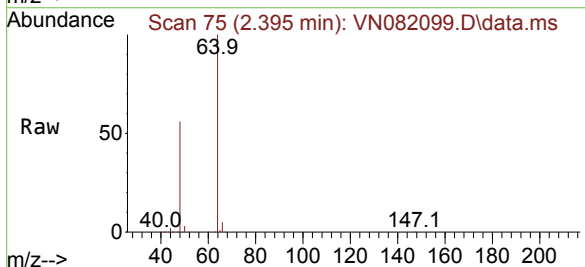
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MSVOA_N
ClientSampleId :
240501008-01

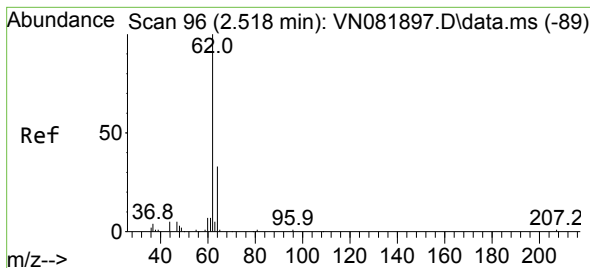
Tgt Ion:128 Resp: 25297
Ion Ratio Lower Upper
128 100
49 215.1 0.0 403.7
130 118.1 0.0 323.3



#3
Chloromethane
Concen: 2.351 ug/l
RT: 2.395 min Scan# 75
Delta R.T. 0.035 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

Tgt Ion: 50 Resp: 3915
Ion Ratio Lower Upper
50 100
52 17.0 25.4 38.0#





#4

Vinyl Chloride

Concen: 0.282 ug/l

RT: 2.353 min Scan# 61

Delta R.T. -0.165 min

Lab File: VN082099.D

Acq: 13 May 2024 16:22

Instrument :

MSVOA_N

ClientSampleId :

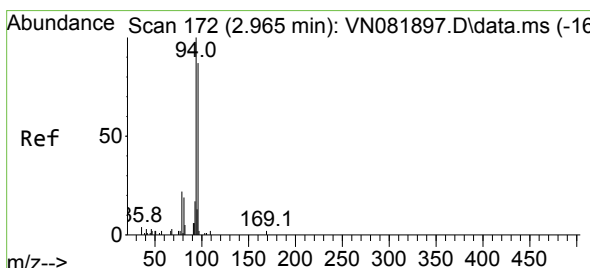
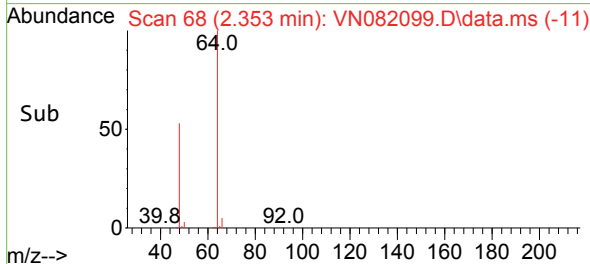
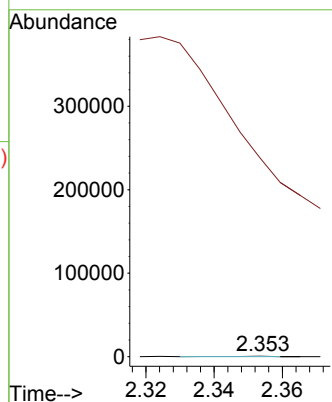
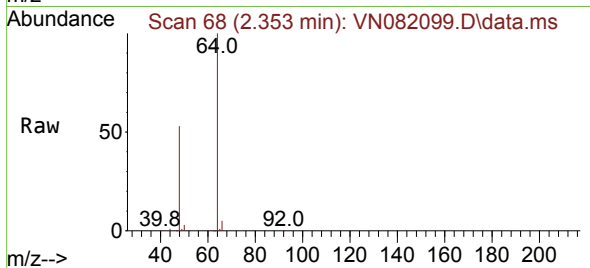
240501008-01

Tgt Ion: 62 Resp: 443

Ion Ratio Lower Upper

62 100

64 5219.9 24.1 36.1#



#5

Bromomethane

Concen: 0.527 ug/l

RT: 2.977 min Scan# 174

Delta R.T. 0.012 min

Lab File: VN082099.D

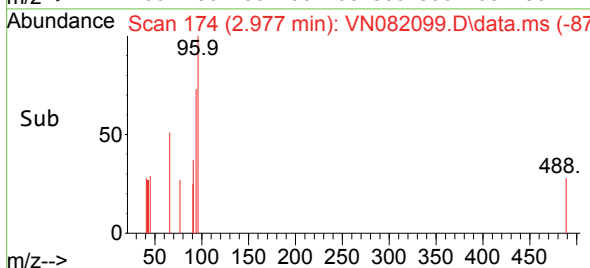
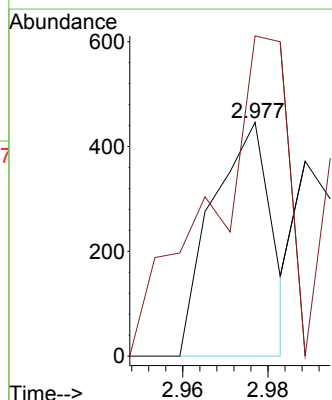
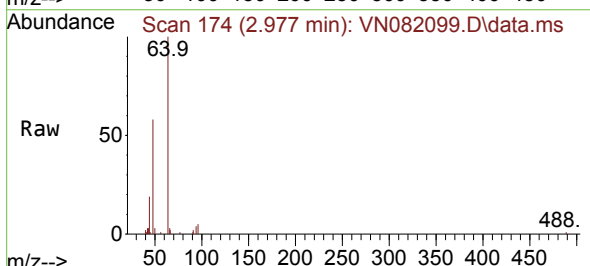
Acq: 13 May 2024 16:22

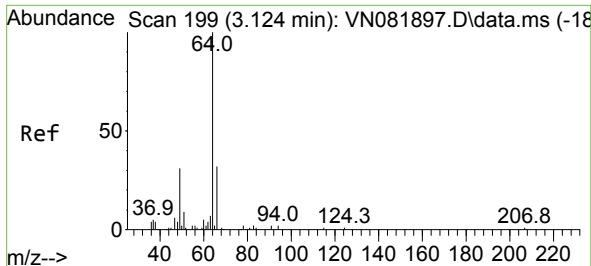
Tgt Ion: 94 Resp: 433

Ion Ratio Lower Upper

94 100

96 92.8 72.8 109.2

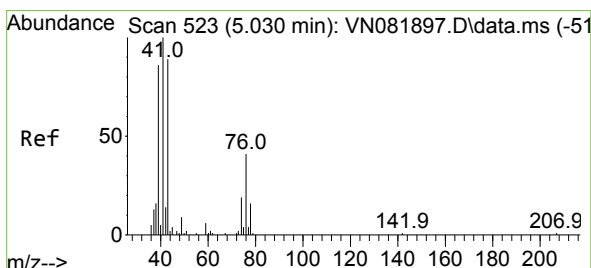
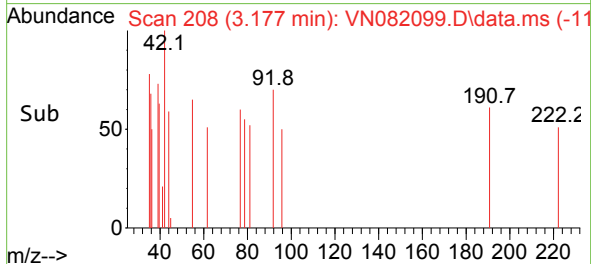
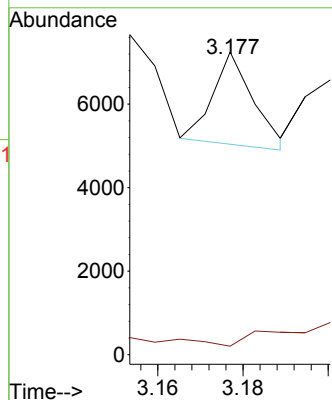
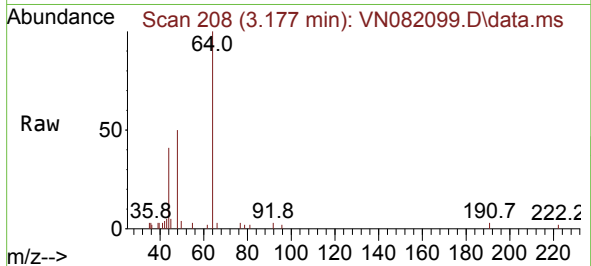




#6
Chloroethane
Concen: 1.596 ug/l
RT: 3.177 min Scan# 208
Delta R.T. 0.053 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

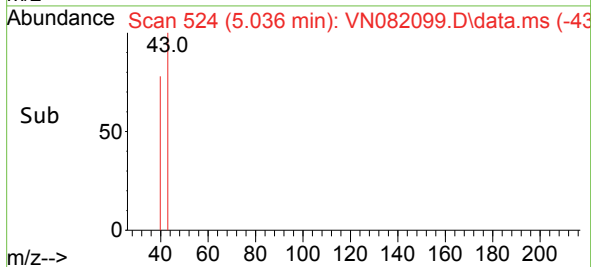
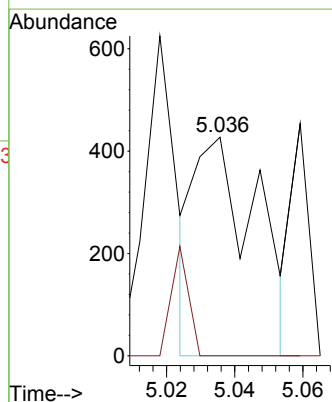
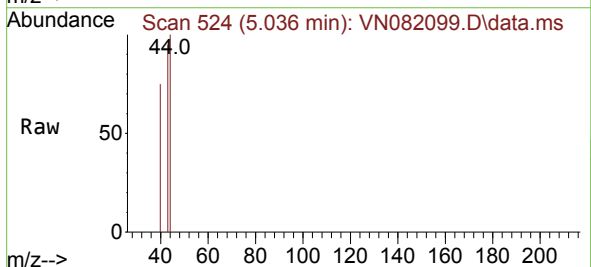
Instrument :
MSVOA_N
ClientSampleId :
240501008-01

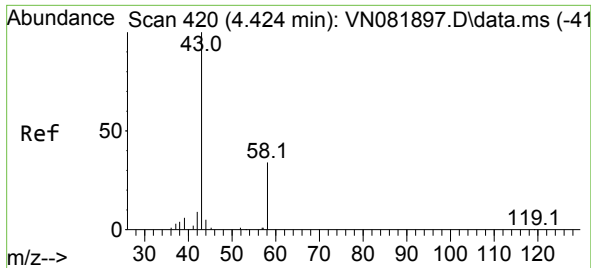
Tgt Ion: 64 Resp: 1422
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#12
Methyl Acetate
Concen: 0.278 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
74 0.0 27.7 41.5#





#15

Acetone

Concen: 1.811 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN082099.D

Acq: 13 May 2024 16:22

Instrument :

MSVOA_N

ClientSampleId :

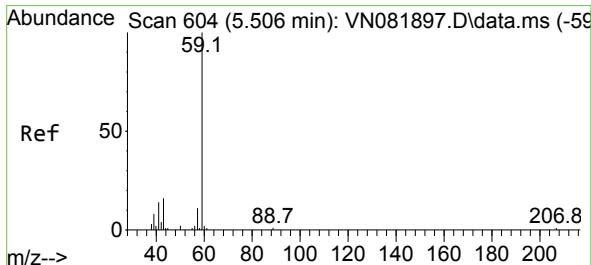
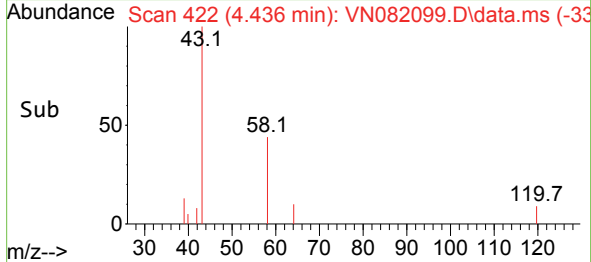
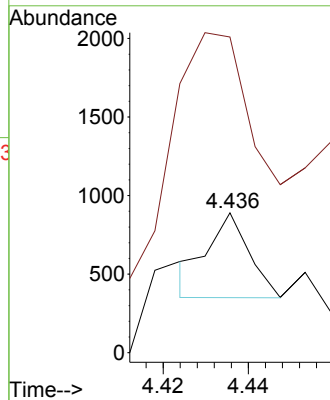
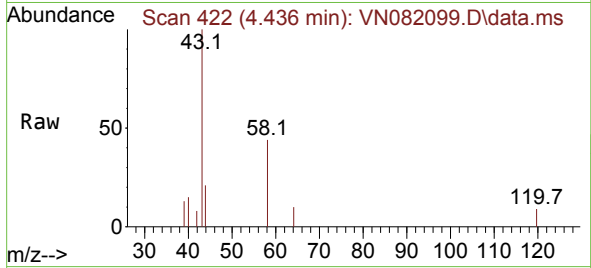
240501008-01

Tgt Ion: 58 Resp: 358

Ion Ratio Lower Upper

58 100

43 174.9 223.1 334.7#



#23

tert-Butyl Alcohol

Concen: 1.010 ug/l

RT: 5.524 min Scan# 607

Delta R.T. 0.018 min

Lab File: VN082099.D

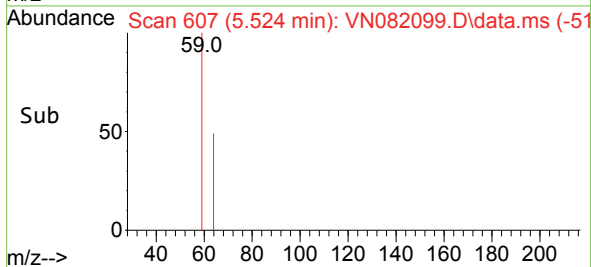
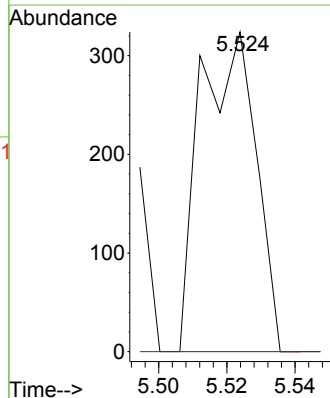
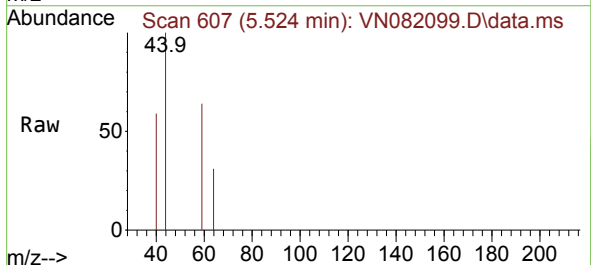
Acq: 13 May 2024 16:22

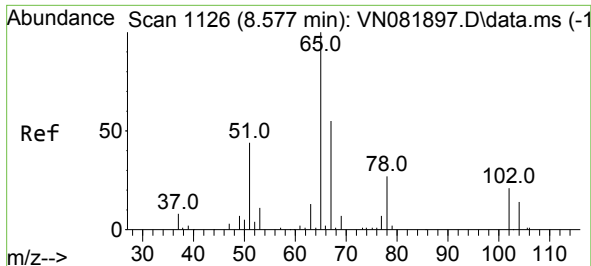
Tgt Ion: 59 Resp: 367

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

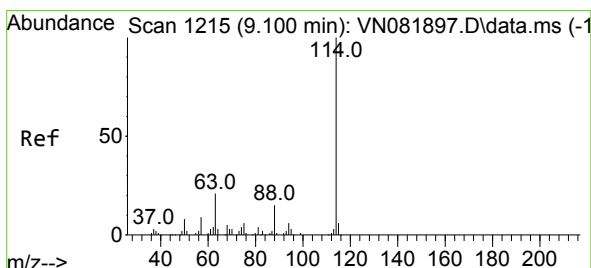
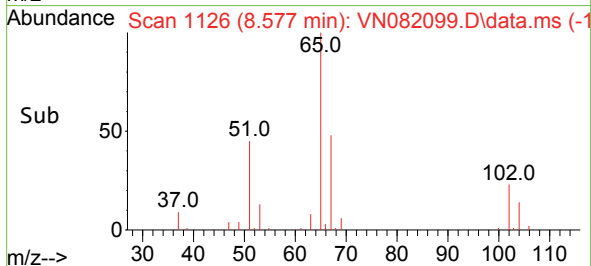
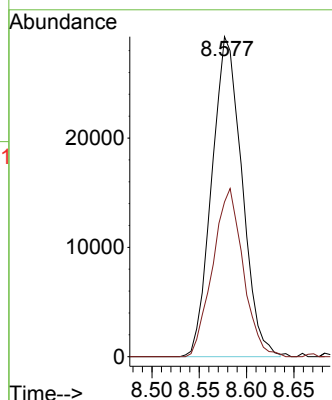
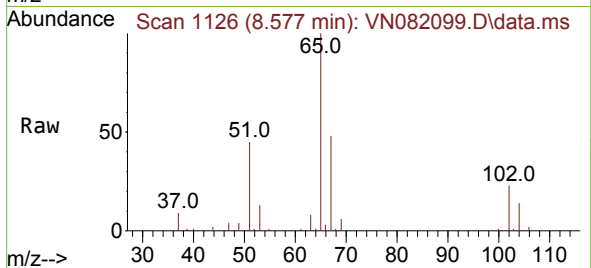




#27
1,2-Dichloroethane-d4
Concen: 30.629 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

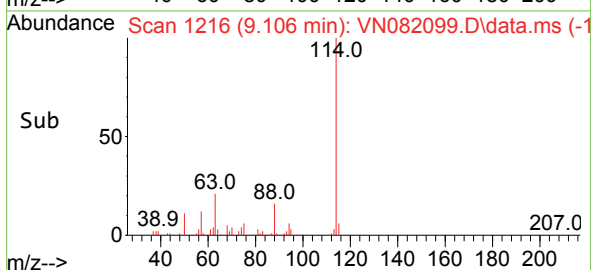
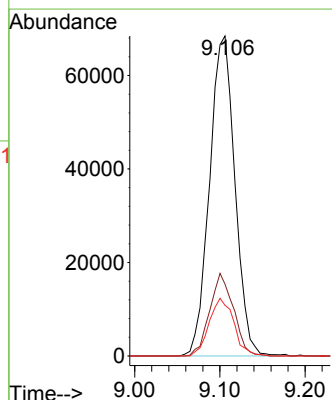
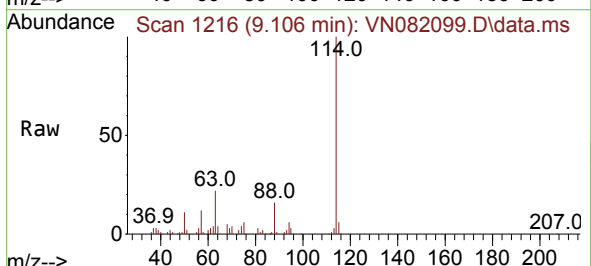
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240501008-01

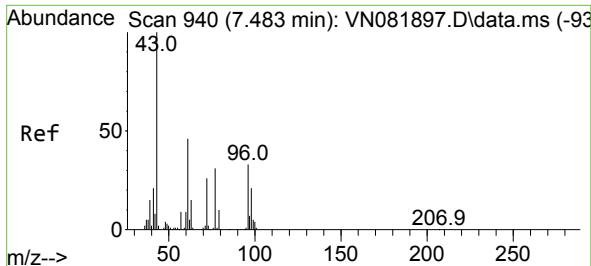
Tgt Ion: 65 Resp: 64872
Ion Ratio Lower Upper
65 100
67 52.9 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.006 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

Tgt Ion: 114 Resp: 142033
Ion Ratio Lower Upper
114 100
63 24.2 15.9 23.9#
88 17.5 12.7 19.1

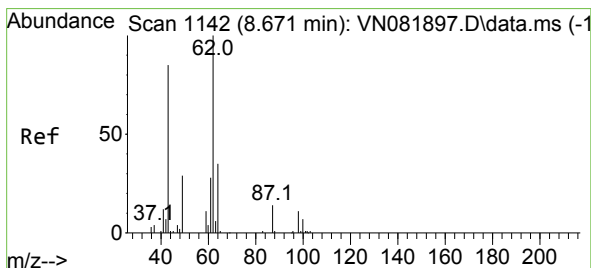
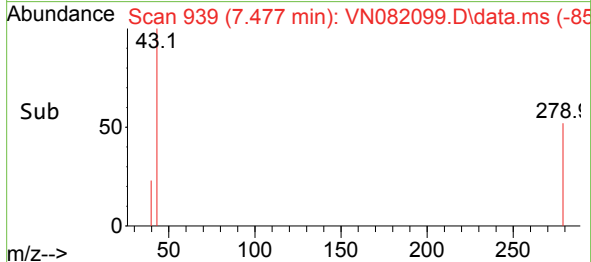
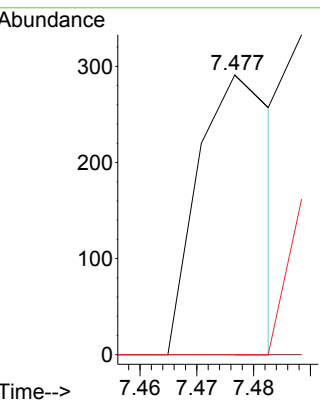
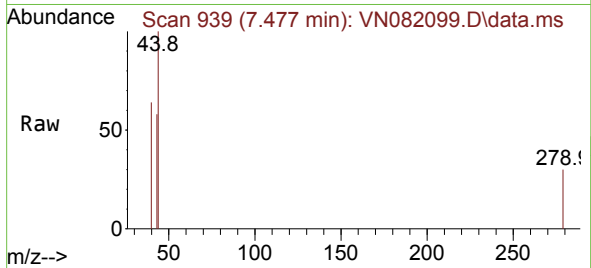




#30
2-Butanone
Concen: 0.249 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

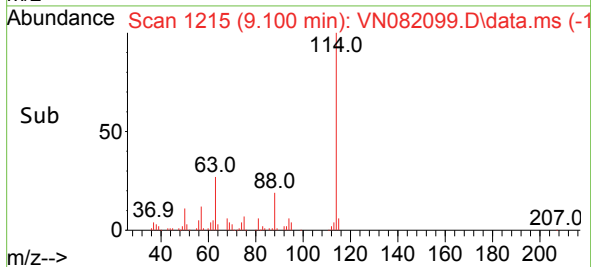
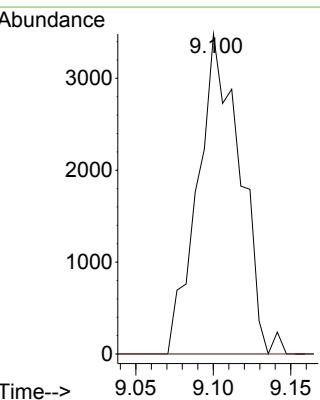
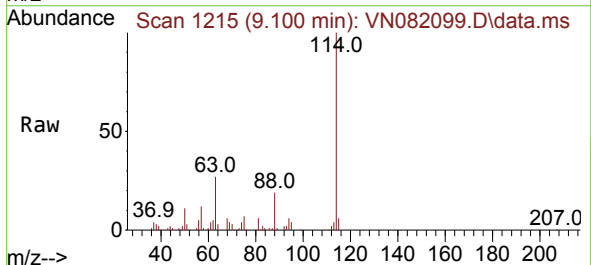
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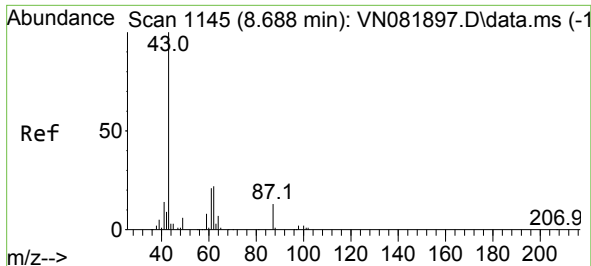
Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#



#36
1,2-Dichloroethane
Concen: 2.887 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.429 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

Tgt Ion: 62 Resp: 6537
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#

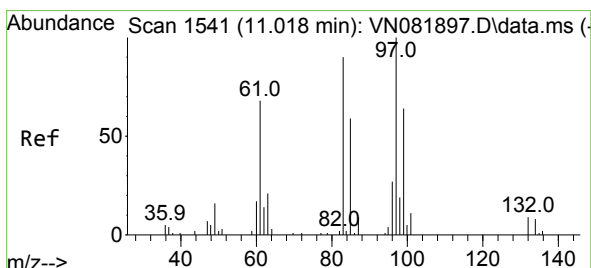
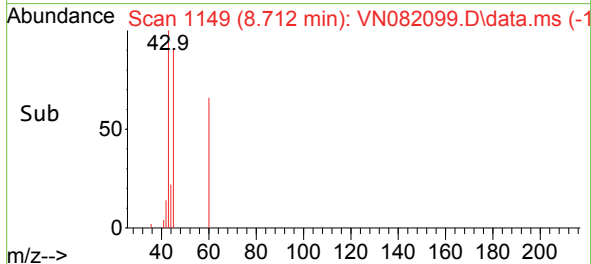
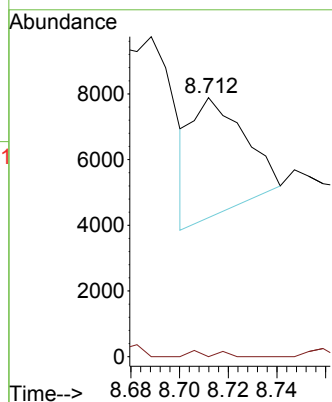
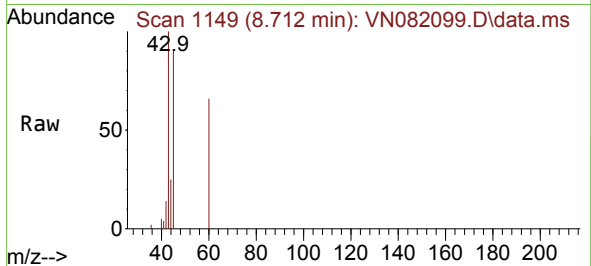




#44
Isopropyl Acetate
Concen: 1.302 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.023 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

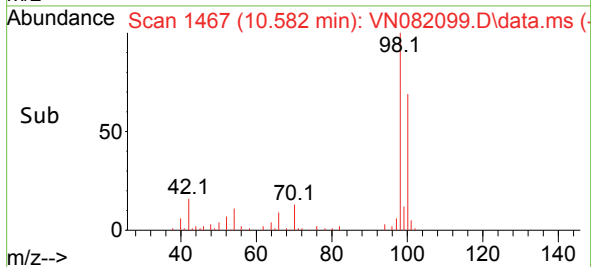
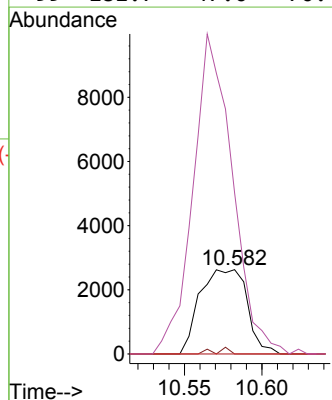
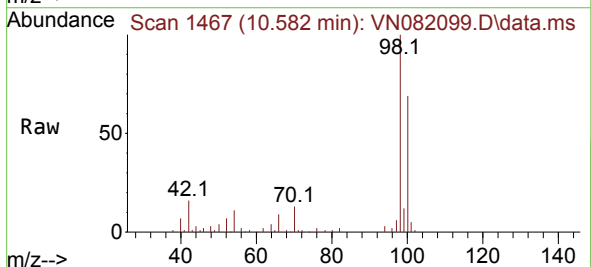
Instrument :
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240501008-01

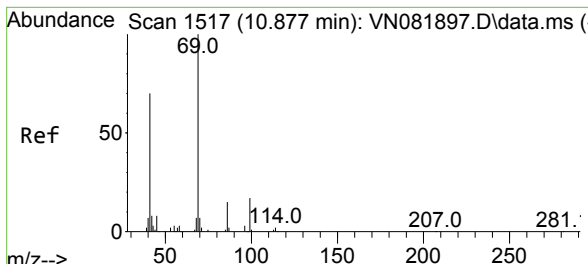
Tgt Ion: 43 Resp: 5493
Ion Ratio Lower Upper
43 100
61 1.2 25.0 37.4#



#50
1,1,2-Trichloroethane
Concen: 3.692 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.435 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

Tgt Ion: 97 Resp: 5569
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 181.7 47.0 70.4#

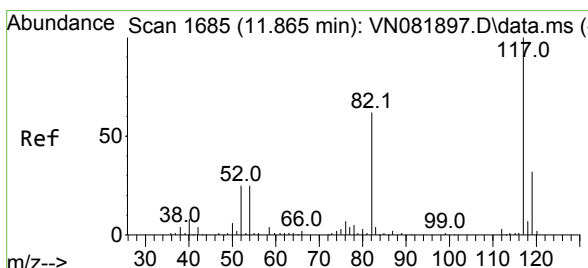
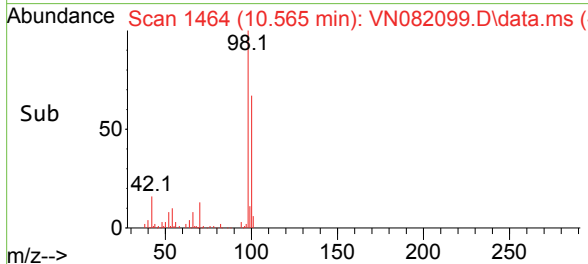
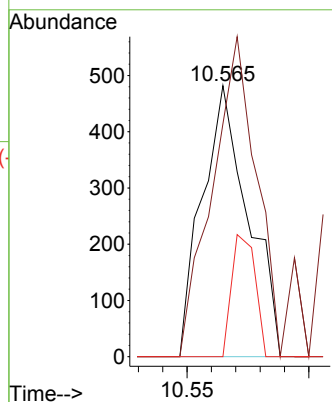
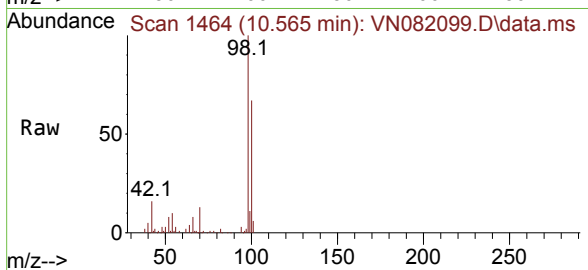




#51
Ethyl methacrylate
Concen: 0.222 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.312 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

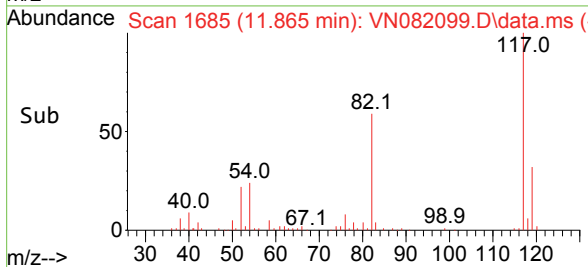
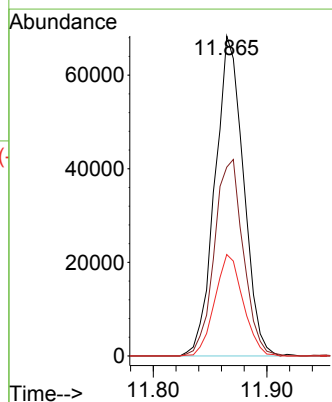
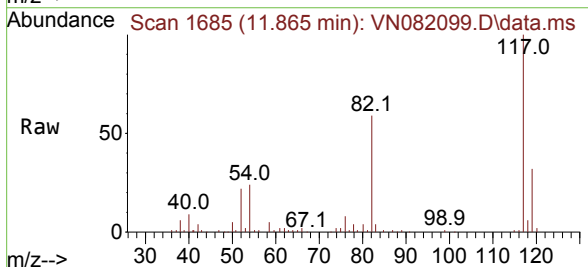
Instrument :
MSVOA_N
ClientSampleId :
240501008-01

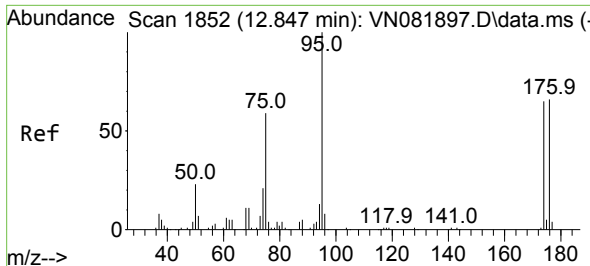
Tgt Ion: 69	Resp: 632
Ion Ratio	Lower Upper
69	100
41	85.9 25.5 76.5#
39	0.0 16.0 47.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

Tgt Ion: 117	Resp: 118839
Ion Ratio	Lower Upper
117	100
82	62.6 46.6 69.8
119	31.6 25.4 38.2

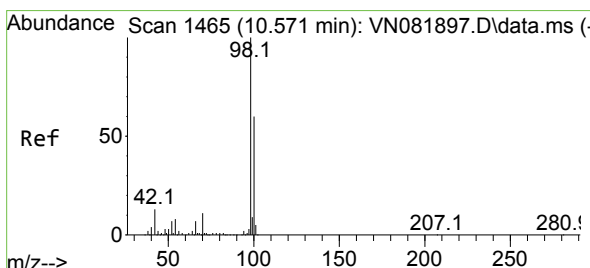
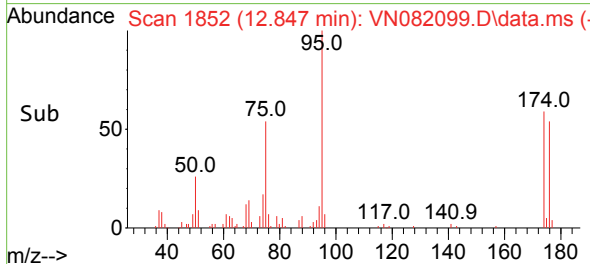
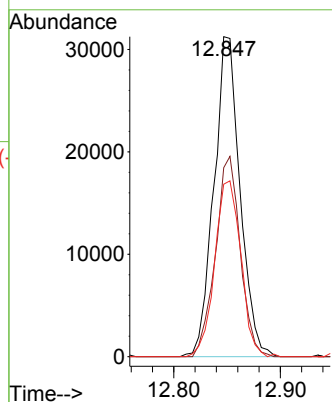
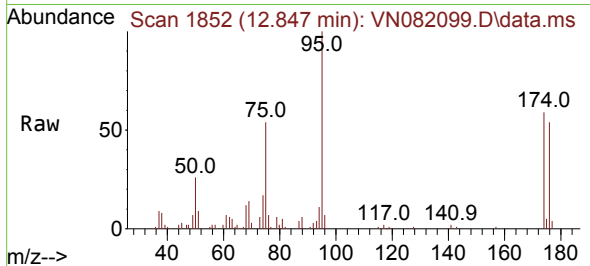




#60
4-Bromofluorobenzene
Concen: 26.915 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

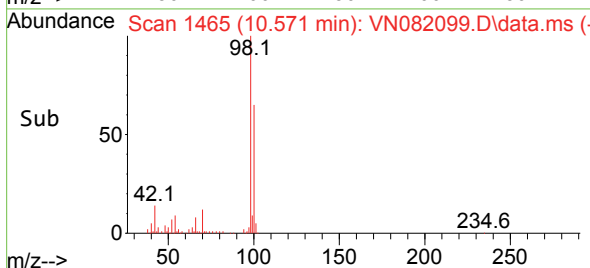
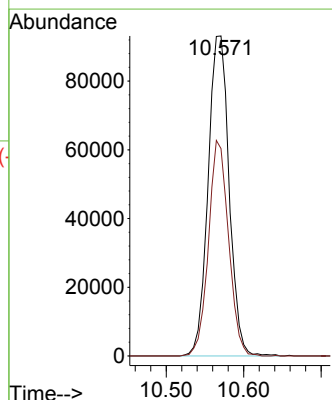
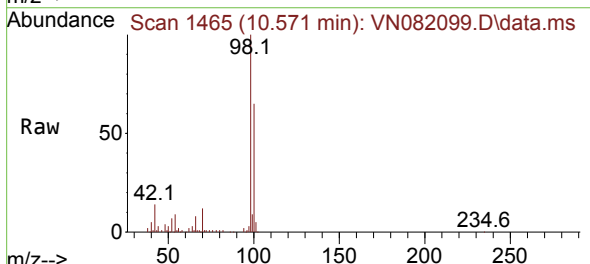
Instrument :
MSVOA_N
ClientSampleId :
240501008-01

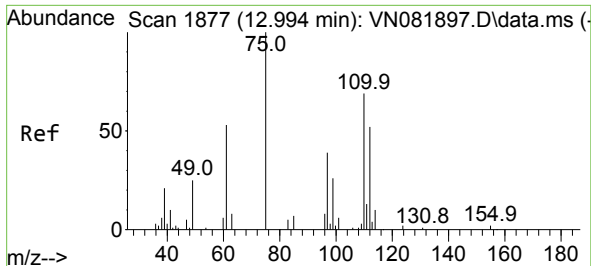
Tgt Ion: 95 Resp: 53230
Ion Ratio Lower Upper
95 100
174 59.3 60.5 90.7#
176 54.9 57.8 86.6#



#63
Toluene-d8
Concen: 31.137 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

Tgt Ion: 98 Resp: 175726
Ion Ratio Lower Upper
98 100
100 64.2 52.7 79.1

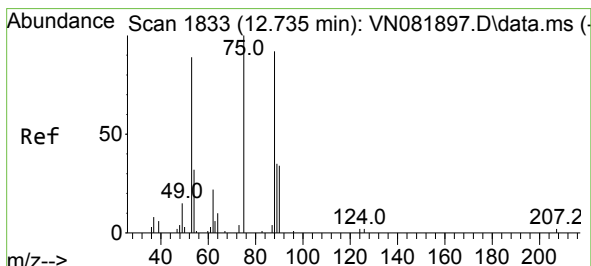
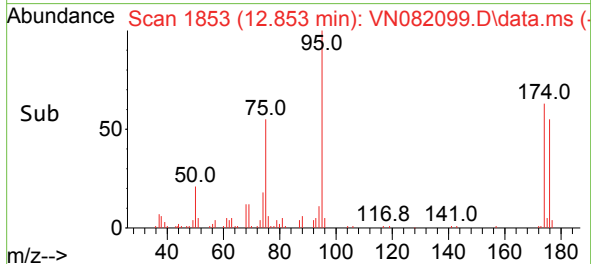
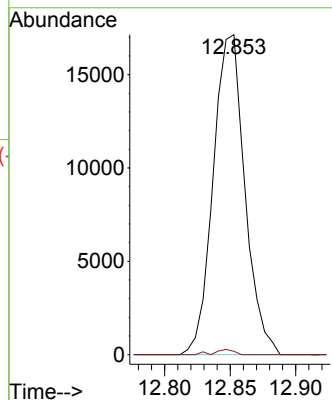
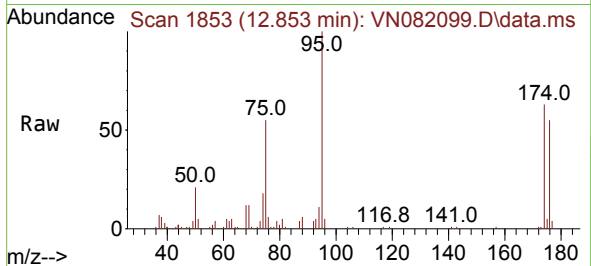




#72
1,2,3-Trichloropropane
Concen: 15.682 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

Instrument :
MSVOA_N
ClientSampleId :
240501008-01

Tgt Ion: 75 Resp: 28810
Ion Ratio Lower Upper
75 100
77 0.8 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 35.234 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN082099.D
Acq: 13 May 2024 16:22

Tgt Ion: 75 Resp: 28810
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

