

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082103.D
 Acq On : 13 May 2024 17:57
 Operator : JC\MD
 Sample : P2462-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240430038-01

Quant Time: May 14 03:35:13 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)

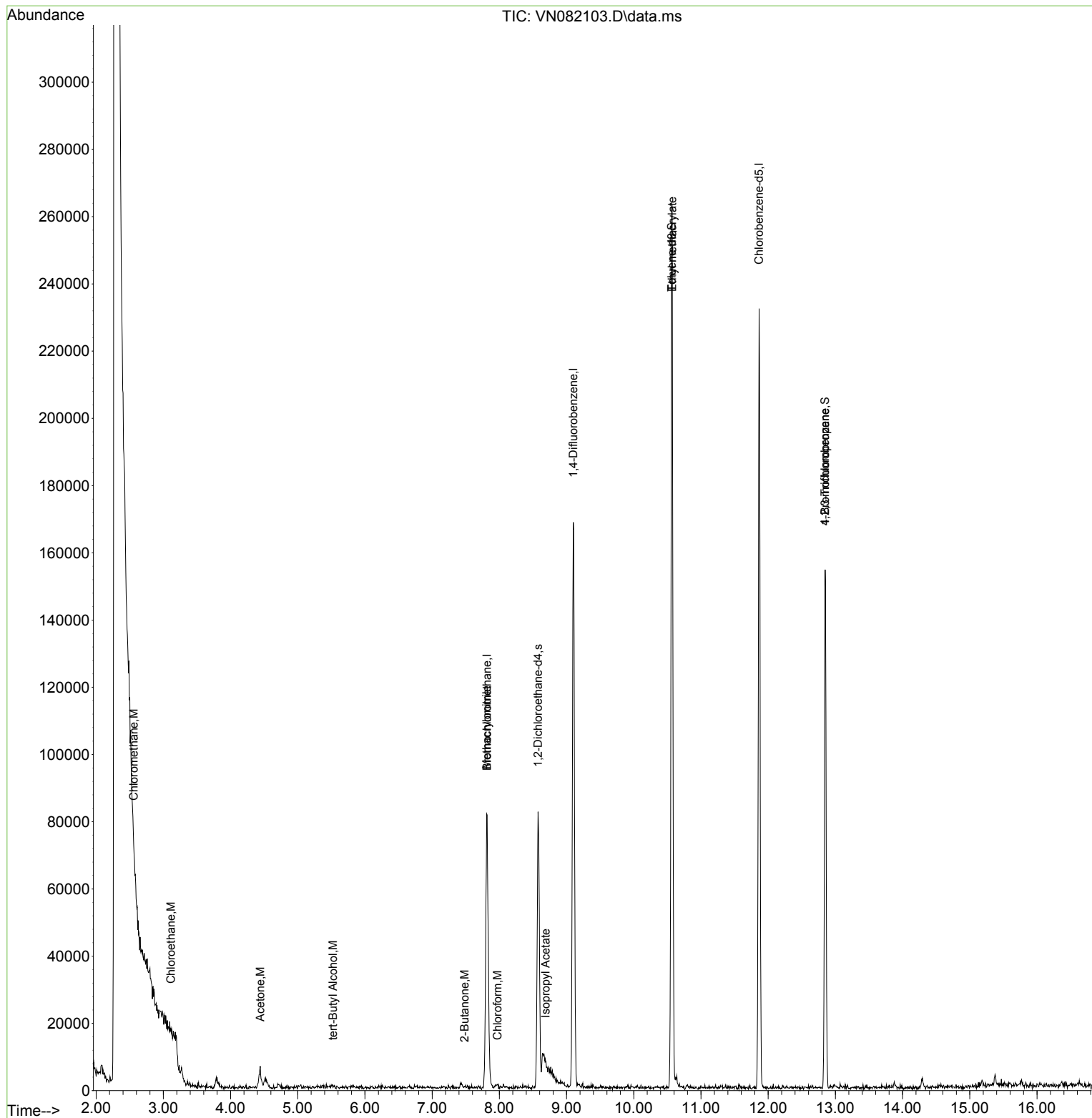
Internal Standards						
1) Bromochloromethane	7.818	128	24207	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	135562	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	118943	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	61425	30.307	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.033%
60) 4-Bromofluorobenzene	12.847	95	52445	26.494	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.300%
63) Toluene-d8	10.565	98	172909	30.611	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.033%
Target Compounds						
					Qvalue	
3) Chloromethane	2.559	50	388	0.243	ug/l	100
6) Chloroethane	3.112	64	2610	3.062	ug/l	# 47
15) Acetone	4.441	58	929	4.910	ug/l	70
23) tert-Butyl Alcohol	5.524	59	227	0.653	ug/l	# 100
25) Chloroform	7.971	83	705	0.241	ug/l	# 76
30) 2-Butanone	7.482	43	344	0.331	ug/l	# 52
35) Methacrylonitrile	7.812	41	334	0.254	ug/l	# 22
44) Isopropyl Acetate	8.688	43	4567	1.134	ug/l	# 43
51) Ethyl methacrylate	10.570	69	660	0.243	ug/l	# 74
72) 1,2,3-Trichloropropane	12.847	75	29923	16.274	ug/l	1

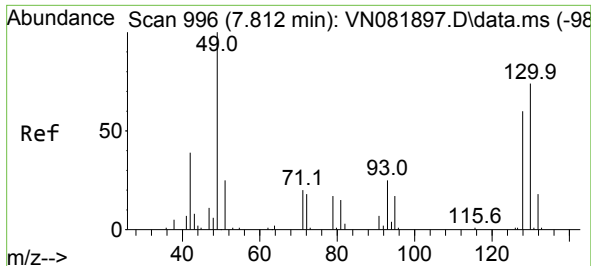
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
240430038-01

Quant Time: May 14 03:35:13 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# 996

Delta R.T. 0.006 min

Lab File: VN082103.D

Acq: 13 May 2024 17:57

Instrument :

MSVOA_N

ClientSampleId :

240430038-01

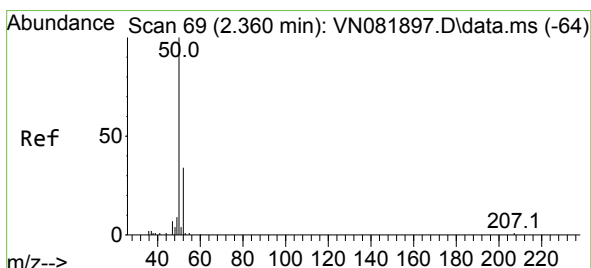
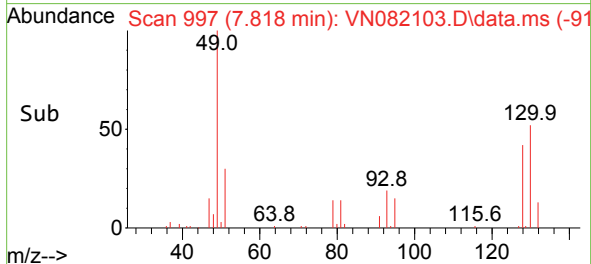
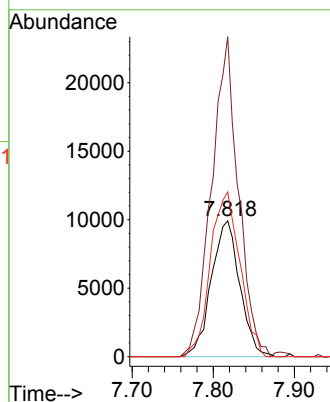
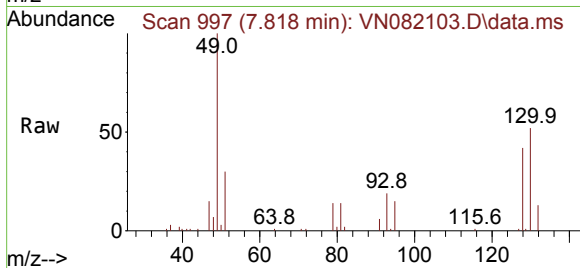
Tgt Ion:128 Resp: 24207

Ion Ratio Lower Upper

128 100

49 221.8 0.0 403.7

130 126.2 0.0 323.3



#3

Chloromethane

Concen: 0.243 ug/l

RT: 2.559 min Scan# 103

Delta R.T. 0.200 min

Lab File: VN082103.D

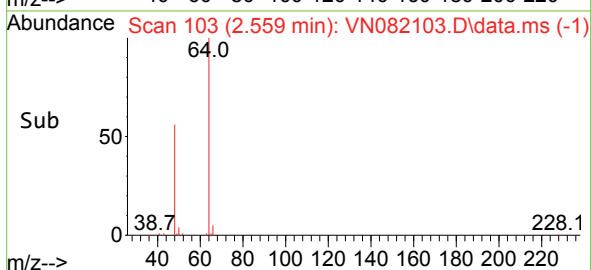
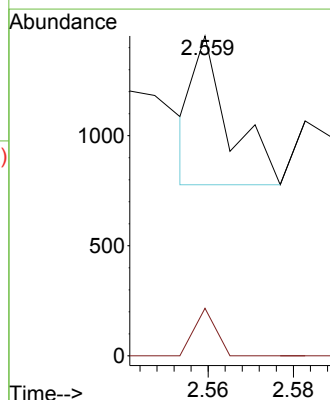
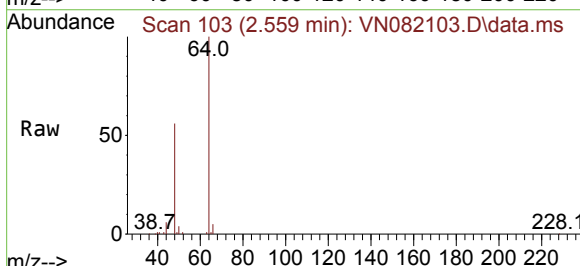
Acq: 13 May 2024 17:57

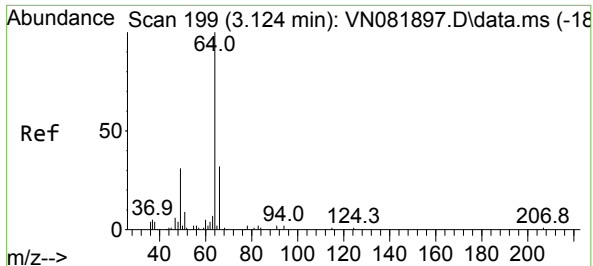
Tgt Ion: 50 Resp: 388

Ion Ratio Lower Upper

50 100

52 32.0 25.4 38.0

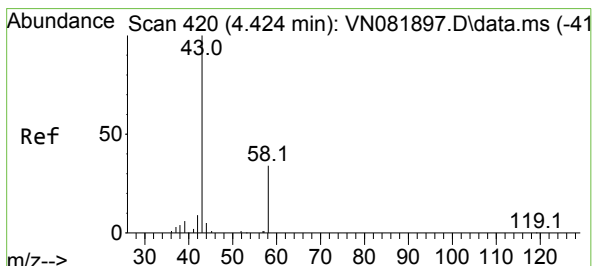
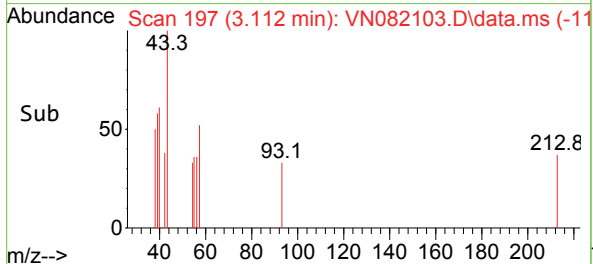
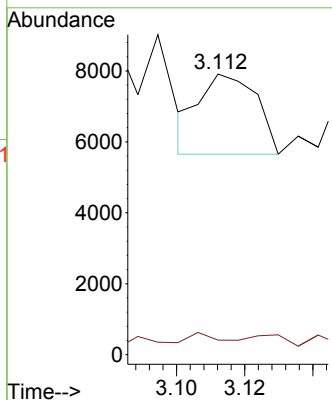
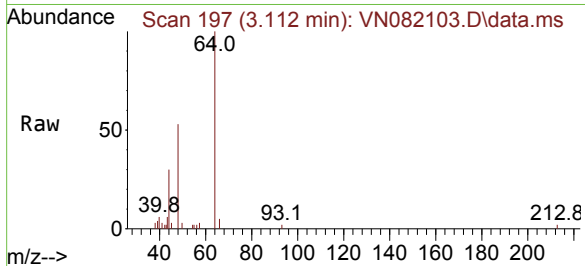




#6
Chloroethane
Concen: 3.062 ug/l
RT: 3.112 min Scan# 199
Delta R.T. -0.012 min
Lab File: VN082103.D
Acq: 13 May 2024 17:57

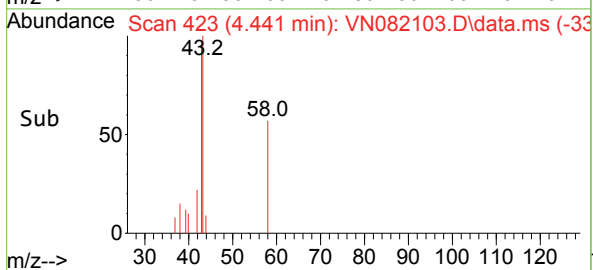
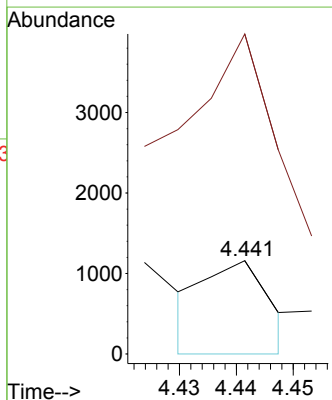
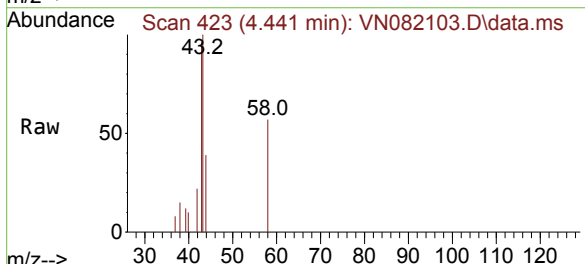
Instrument :
MSVOA_N
ClientSampleId :
240430038-01

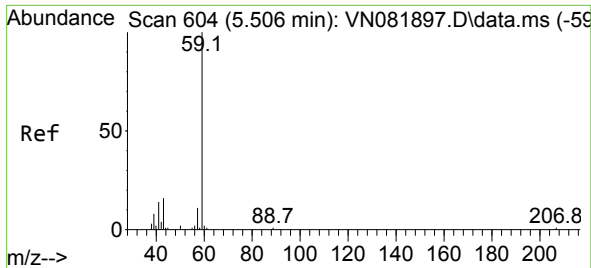
Tgt Ion: 64 Resp: 2610
Ion Ratio Lower Upper
64 100
66 3.2 26.7 40.1#



#15
Acetone
Concen: 4.910 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.017 min
Lab File: VN082103.D
Acq: 13 May 2024 17:57

Tgt Ion: 58 Resp: 929
Ion Ratio Lower Upper
58 100
43 223.6 223.1 334.7

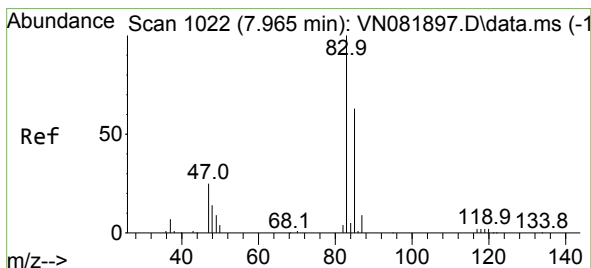
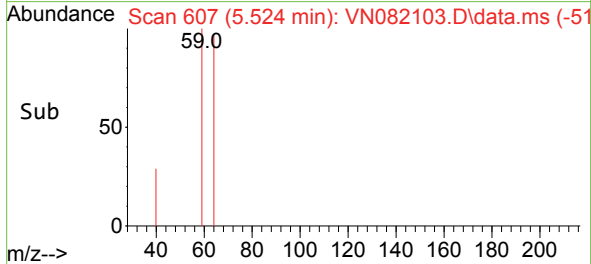
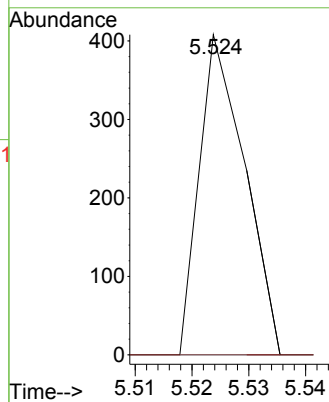
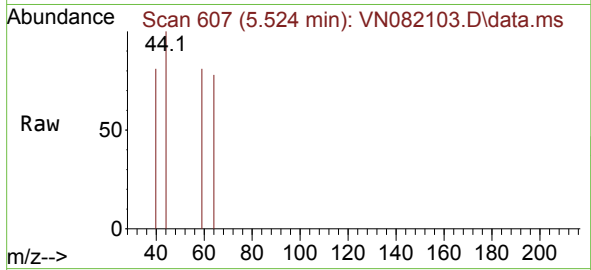




#23
tert-Butyl Alcohol
Concen: 0.653 ug/l
RT: 5.524 min Scan# 604
Delta R.T. 0.017 min
Lab File: VN082103.D
Acq: 13 May 2024 17:57

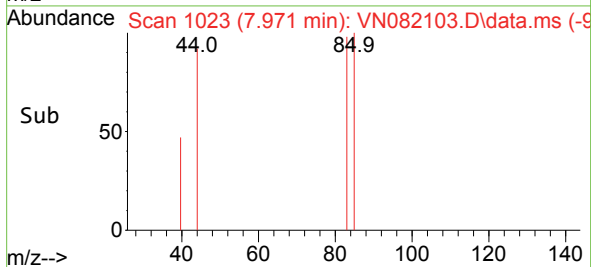
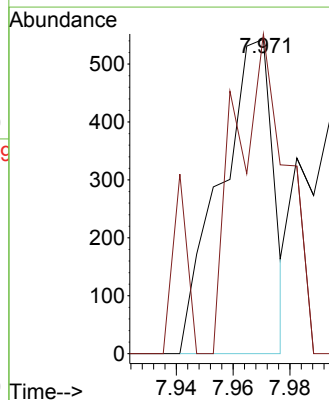
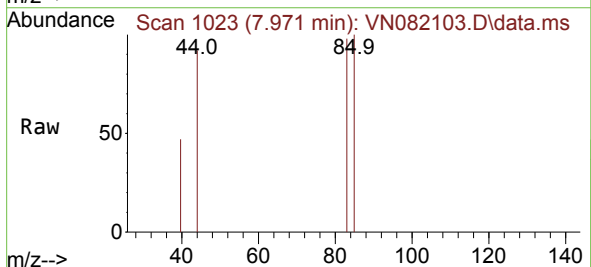
Instrument :
MSVOA_N
ClientSampleId :
240430038-01

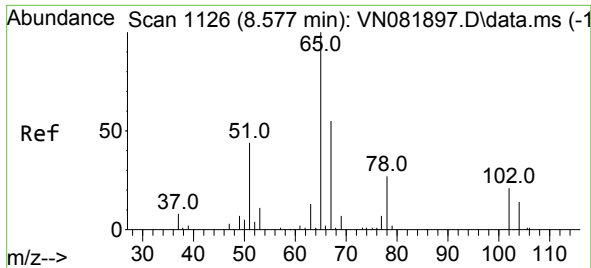
Tgt Ion: 59 Resp: 227
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.241 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN082103.D
Acq: 13 May 2024 17:57

Tgt Ion: 83 Resp: 705
Ion Ratio Lower Upper
83 100
85 44.6 50.9 76.3#





#27

1,2-Dichloroethane-d4

Concen: 30.307 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082103.D

Acq: 13 May 2024 17:57

Instrument :

MSVOA_N

ClientSampleId :

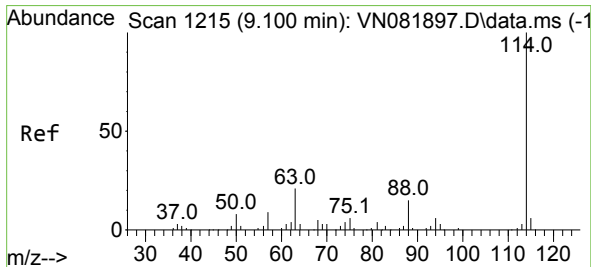
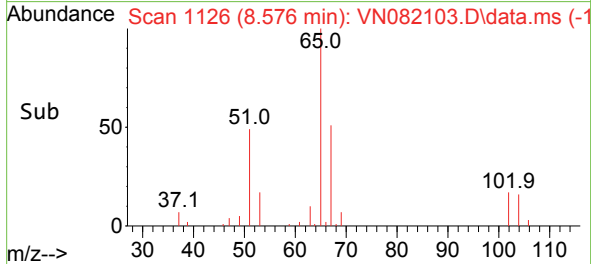
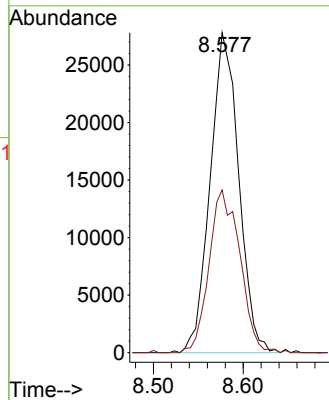
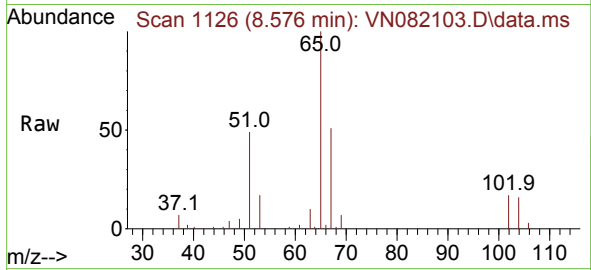
240430038-01

Tgt Ion: 65 Resp: 61425

Ion Ratio Lower Upper

65 100

67 54.5 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: VN082103.D

Acq: 13 May 2024 17:57

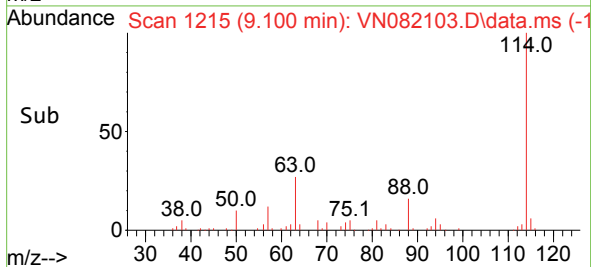
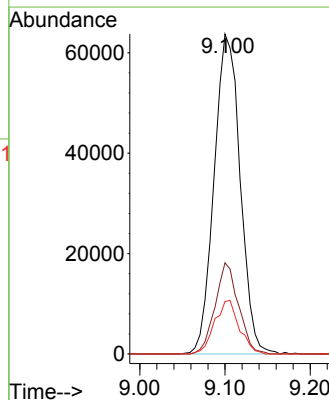
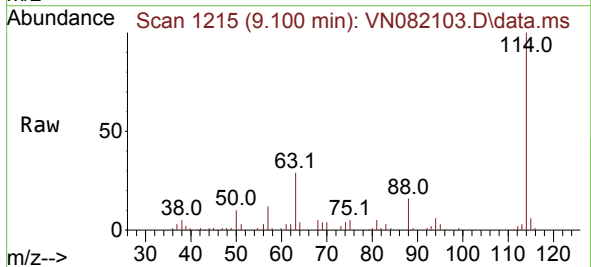
Tgt Ion: 114 Resp: 135562

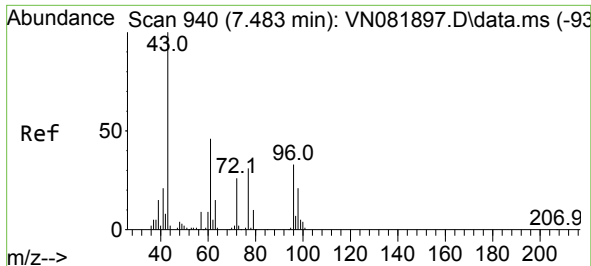
Ion Ratio Lower Upper

114 100

63 25.5 15.9 23.9#

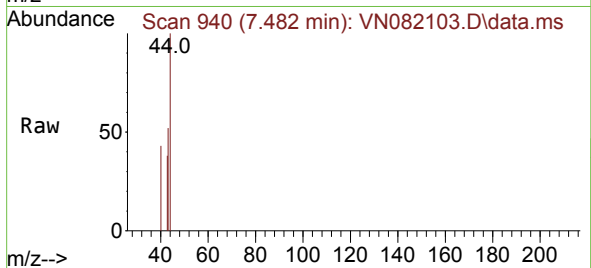
88 15.8 12.7 19.1



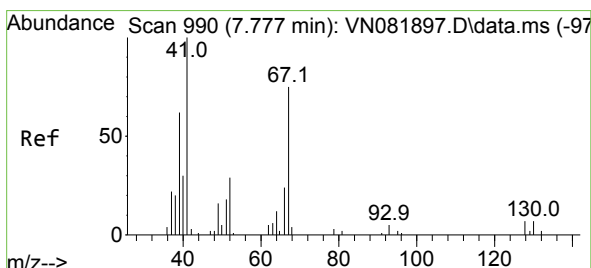
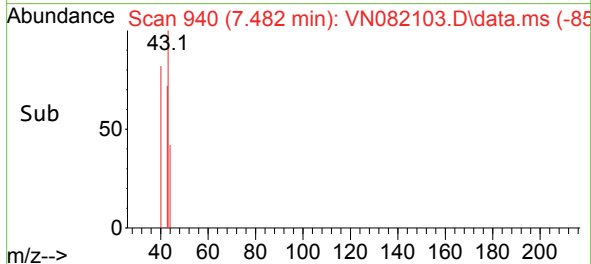
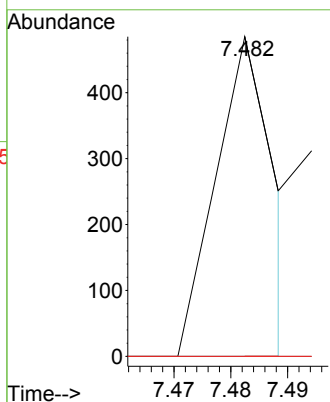


#30
2-Butanone
Concen: 0.331 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN082103.D
Acq: 13 May 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :
240430038-01

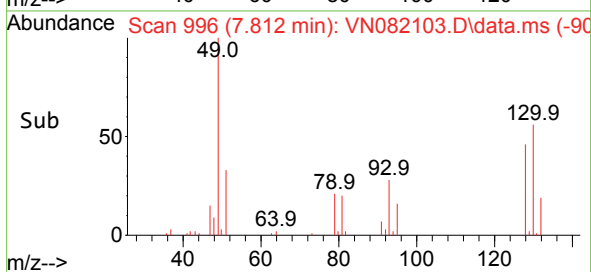
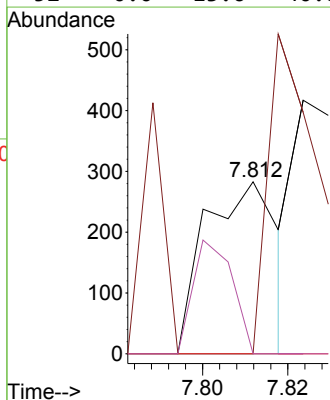
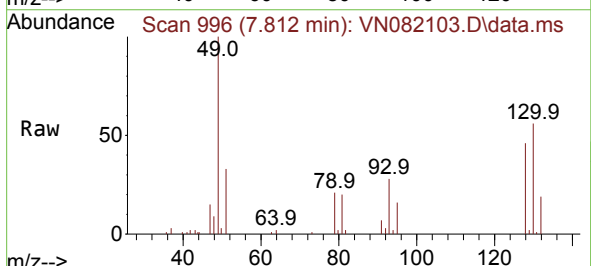


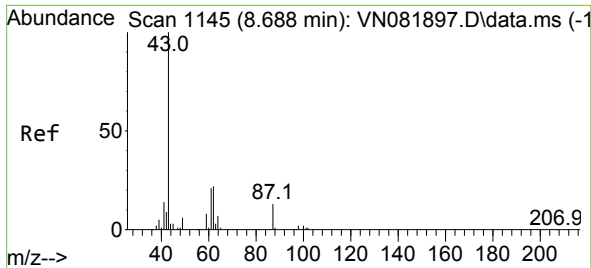
Tgt Ion: 43 Resp: 344
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#



#35
Methacrylonitrile
Concen: 0.254 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.035 min
Lab File: VN082103.D
Acq: 13 May 2024 17:57

Tgt Ion: 41 Resp: 334
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#

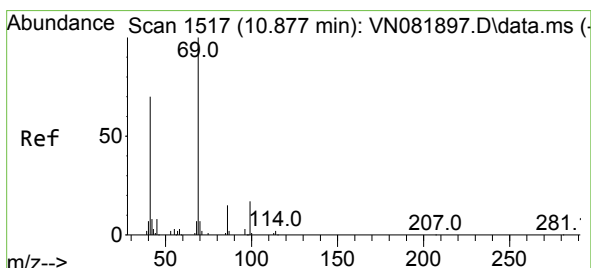
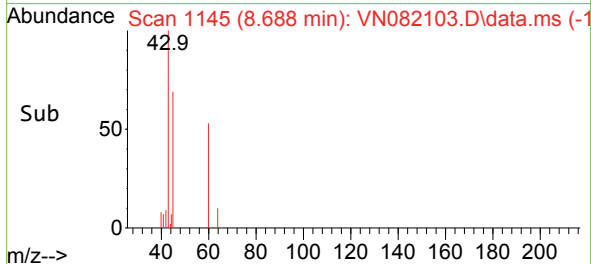
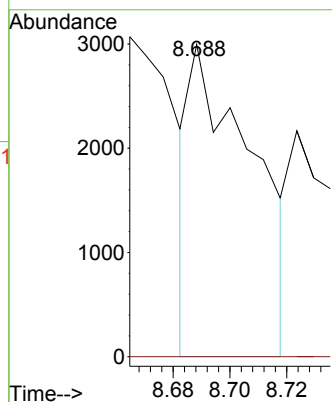
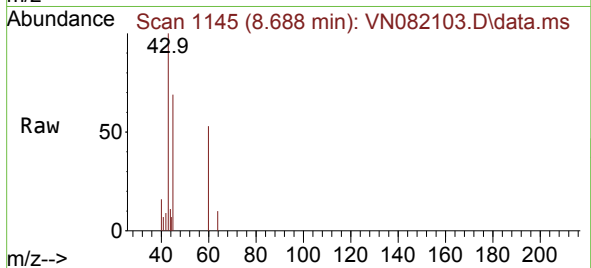




#44
Isopropyl Acetate
Concen: 1.134 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082103.D
Acq: 13 May 2024 17:57

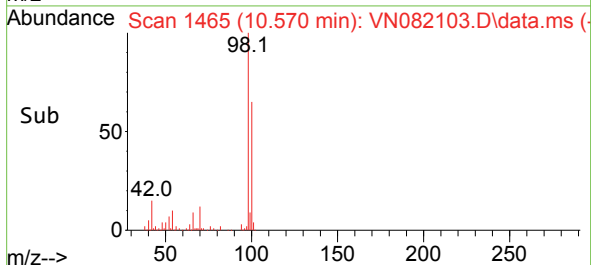
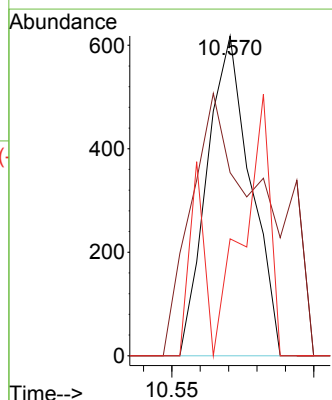
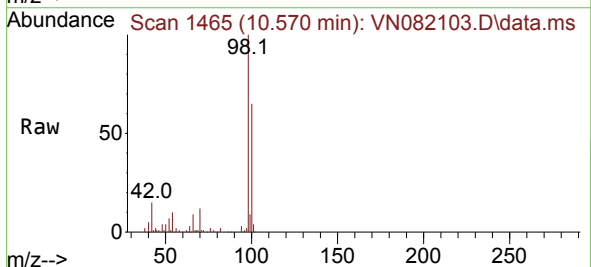
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ClientSampleId :
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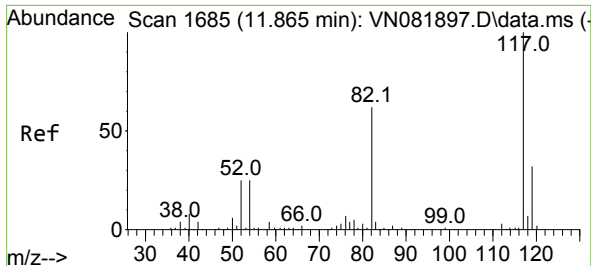
Tgt Ion: 43 Resp: 4567
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.4#



#51
Ethyl methacrylate
Concen: 0.243 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.306 min
Lab File: VN082103.D
Acq: 13 May 2024 17:57

Tgt Ion: 69 Resp: 660
Ion Ratio Lower Upper
69 100
41 25.2 25.5 76.5#
39 36.6 16.0 47.9

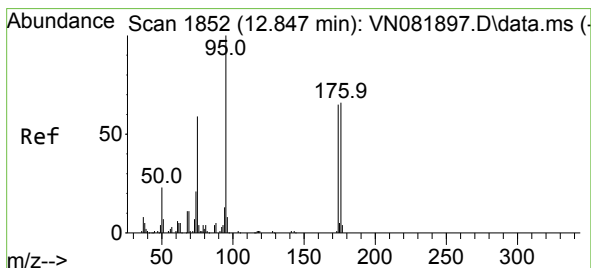
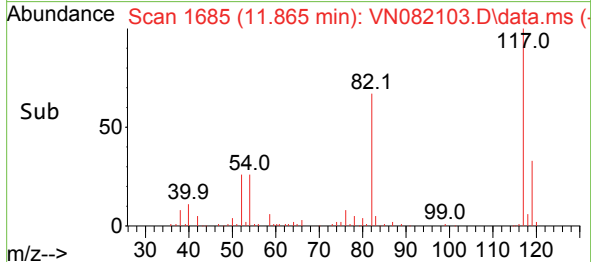
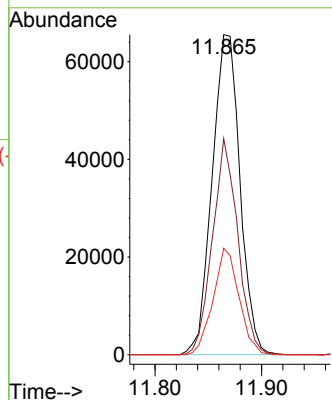
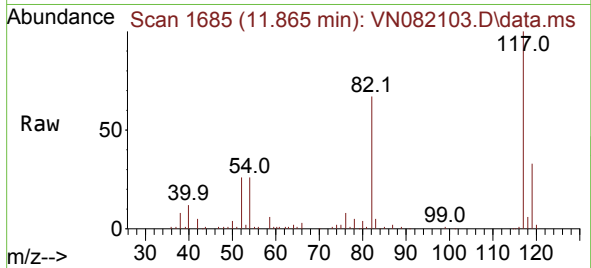




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082103.D
Acq: 13 May 2024 17:57

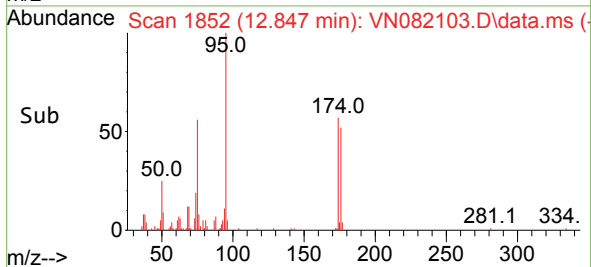
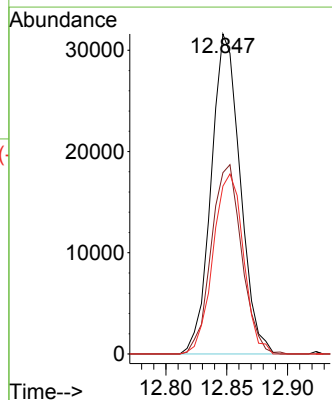
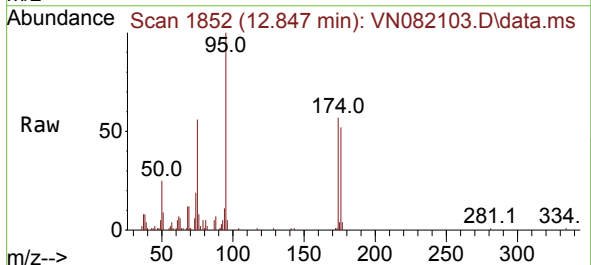
Instrument :
MSVOA_N
ClientSampleId :
240430038-01

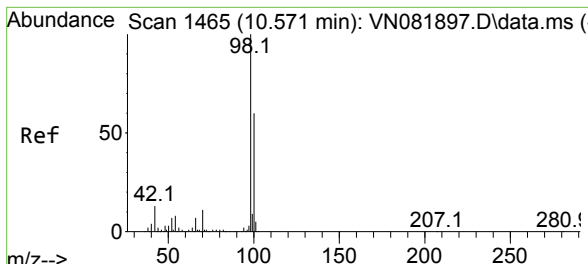
Tgt Ion:117 Resp: 118943
Ion Ratio Lower Upper
117 100
82 61.5 46.6 69.8
119 30.9 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 26.494 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082103.D
Acq: 13 May 2024 17:57

Tgt Ion: 95 Resp: 52445
Ion Ratio Lower Upper
95 100
174 62.1 60.5 90.7
176 58.8 57.8 86.6

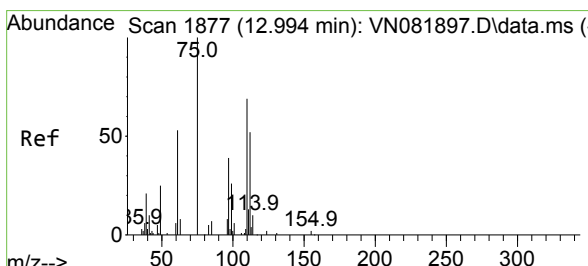
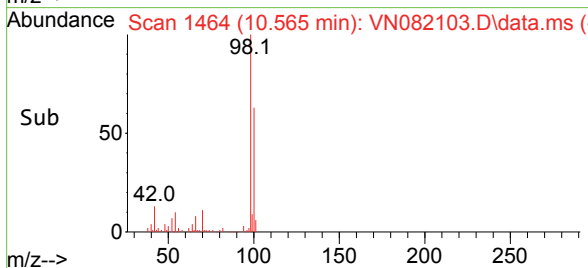
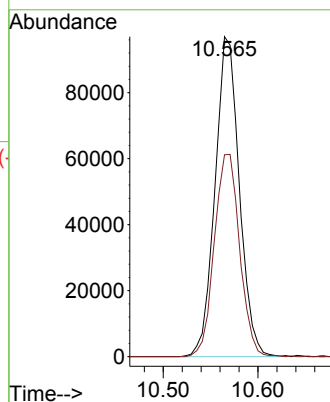
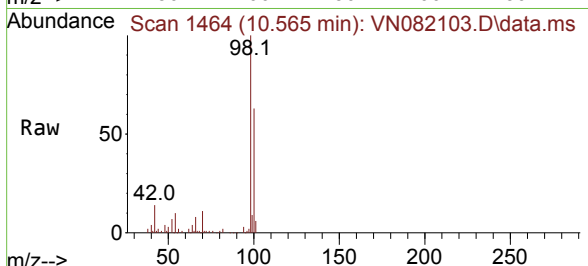




#63
Toluene-d8
Concen: 30.611 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN082103.D
Acq: 13 May 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :
240430038-01

Tgt Ion: 98 Resp: 172909
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.274 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082103.D
Acq: 13 May 2024 17:57

Tgt Ion: 75 Resp: 29923
Ion Ratio Lower Upper
75 100
77 1.6 0.0 367.6

