

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060324\
 Data File : VN082438.D
 Acq On : 03 Jun 2024 16:49
 Operator : JC\MD
 Sample : PB161254ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 04 00:31:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

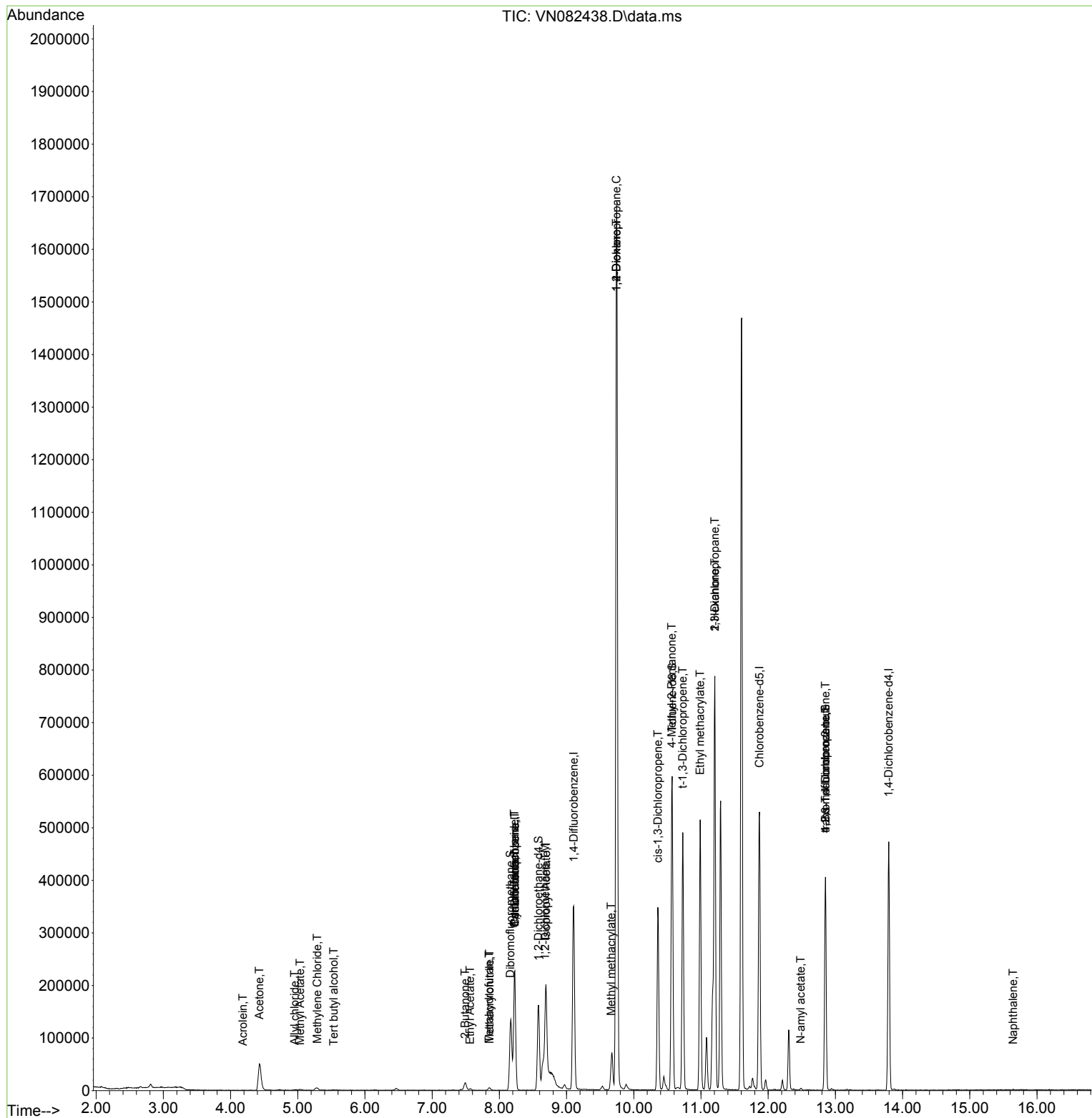
Internal Standards						
1) Pentafluorobenzene	8.230	168	153503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	283027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	282545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	133235	54.968	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.940%	
35) Dibromofluoromethane	8.165	113	94895	54.504	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.000%	
50) Toluene-d8	10.571	98	376919	56.467	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 112.940%	
62) 4-Bromofluorobenzene	12.853	95	126250	52.991	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 105.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	751	1.930	ug/l #	71
13) Acrolein	4.183	56	70	0.243	ug/l #	15
14) Allyl chloride	4.953	41	1549	0.432	ug/l #	22
16) Acetone	4.430	43	98811	99.377	ug/l #	88
18) Methyl Acetate	5.036	43	3573	1.443	ug/l #	74
20) Methylene Chloride	5.289	84	3580	1.785	ug/l #	90
25) 2-Butanone	7.488	43	24724	16.400	ug/l #	75
29) Tetrahydrofuran	7.847	42	3751	3.875	ug/l #	75
31) Cyclohexane	8.230	56	4546	1.174	ug/l #	46
36) 1,1-Dichloropropene	8.230	75	14859	5.089	ug/l #	50
37) Ethyl Acetate	7.565	43	4572	1.399	ug/l #	79
38) Carbon Tetrachloride	8.224	117	16787	5.671	ug/l #	17
41) Methacrylonitrile	7.853	41	2172	1.130	ug/l #	41
42) 1,2-Dichloroethane	8.682	62	1040	0.311	ug/l #	73
43) Isopropyl Acetate	8.694	43	353839	61.108	ug/l #	69
45) 1,2-Dichloropropane	9.741	63	1773	0.789	ug/l #	45
48) Methyl methacrylate	9.665	41	5326	1.930	ug/l #	38
49) 1,4-Dioxane	9.741	88	203	5.250	ug/l #	1
51) 4-Methyl-2-Pentanone	10.565	43	9288	2.823	ug/l	97
53) t-1,3-Dichloropropene	10.729	75	858	0.266	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	53755	15.769	ug/l #	76
56) Ethyl methacrylate	10.988	69	1717	0.533	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7359	2.073	ug/l #	42
59) 2-Hexanone	11.206	43	99908	41.474	ug/l #	52
74) N-amyl acetate	12.482	43	2285	0.446	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	75923	30.792	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75923	72.021	ug/l #	12
95) Naphthalene	15.647	128	1553	0.232	ug/l #	69

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060324\
Data File : VN082438.D
Acq On : 03 Jun 2024 16:49
Operator : JC\MD
Sample : PB161254ZHE#05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

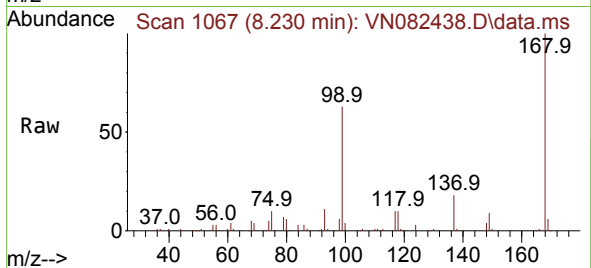
Quant Time: Jun 04 00:31:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



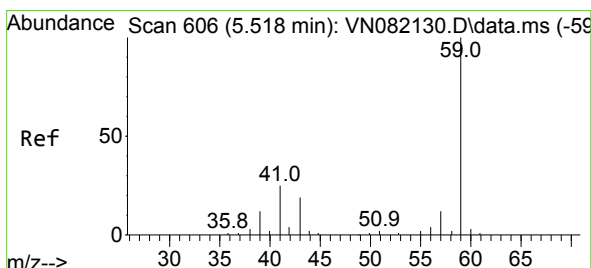
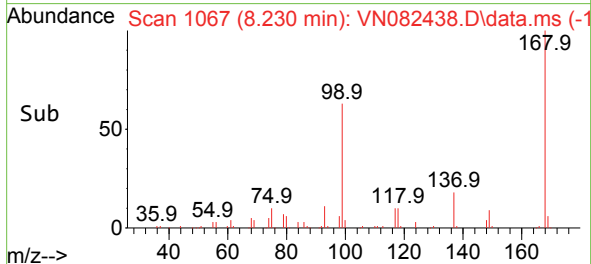
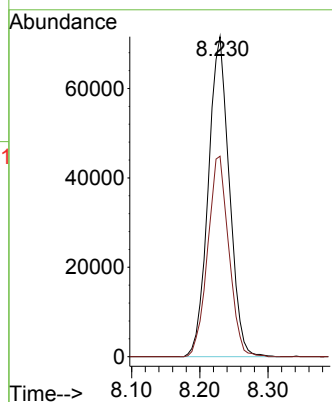


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :

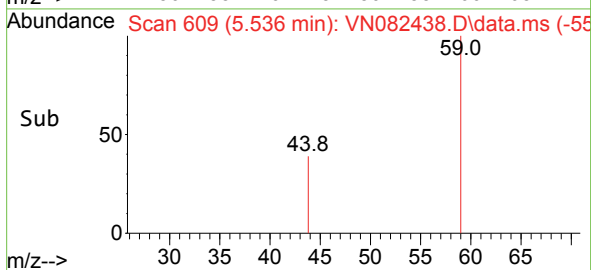
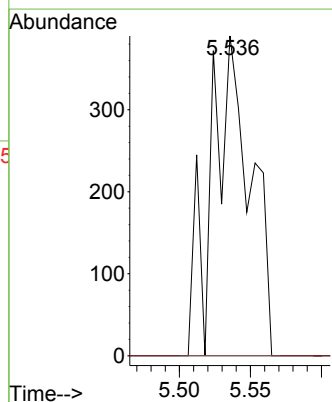
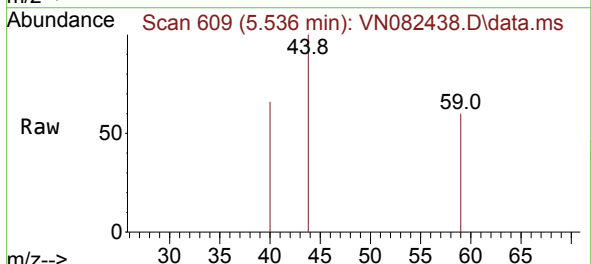


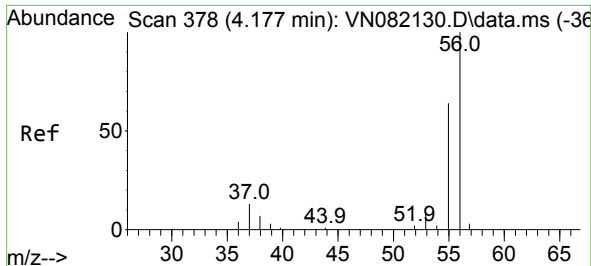
Tgt Ion:168 Resp: 153503
Ion Ratio Lower Upper
168 100
99 62.6 48.2 72.4



#11
Tert butyl alcohol
Concen: 1.930 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.018 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

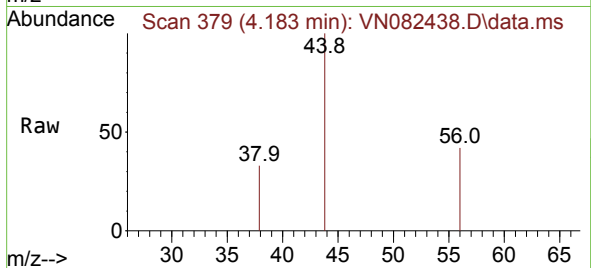
Tgt Ion: 59 Resp: 751
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



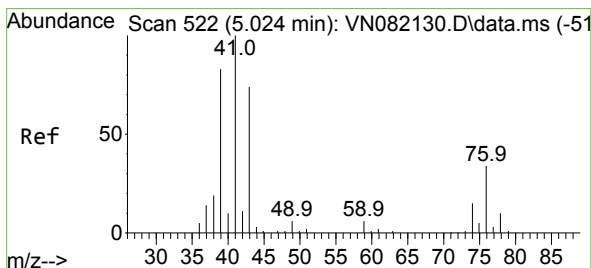
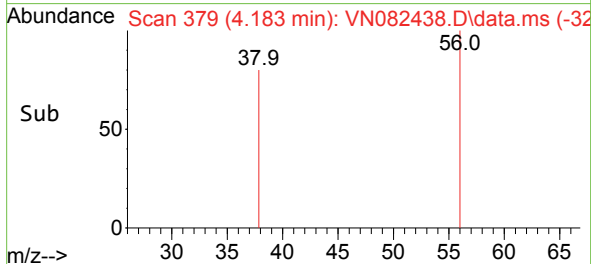
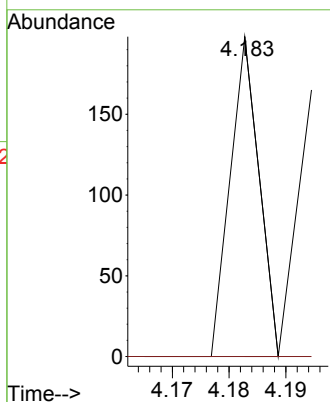


#13
Acrolein
Concen: 0.243 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :

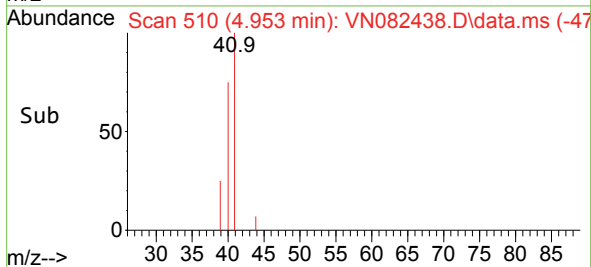
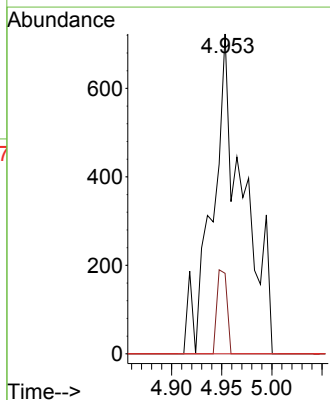
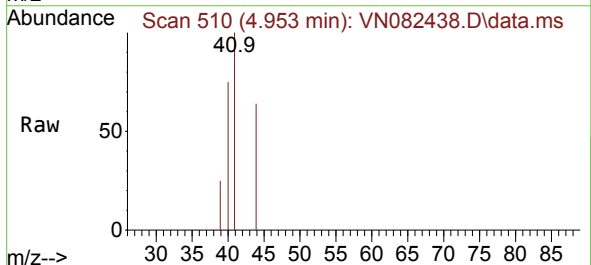


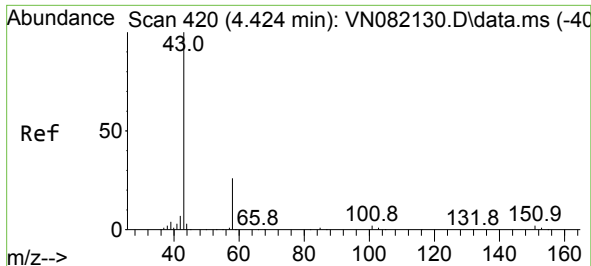
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#14
Allyl chloride
Concen: 0.432 ug/l
RT: 4.953 min Scan# 510
Delta R.T. -0.071 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

Tgt Ion: 41 Resp: 1549
Ion Ratio Lower Upper
41 100
39 8.5 65.4 98.0#
76 0.0 37.3 55.9#

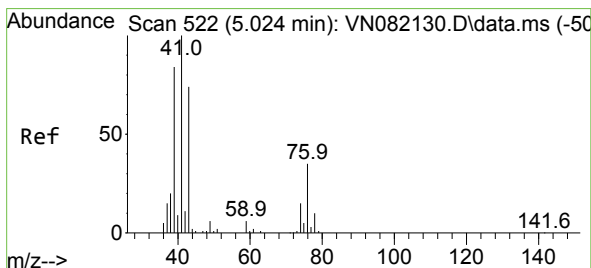
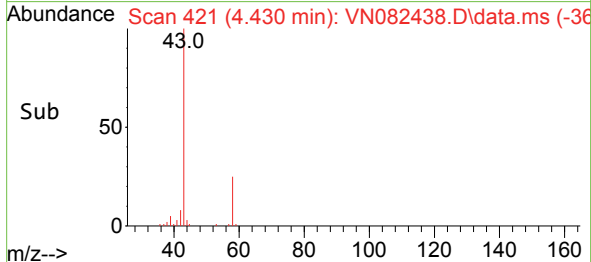
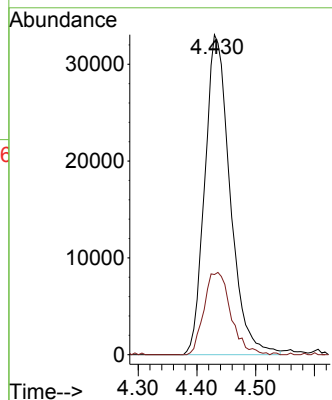
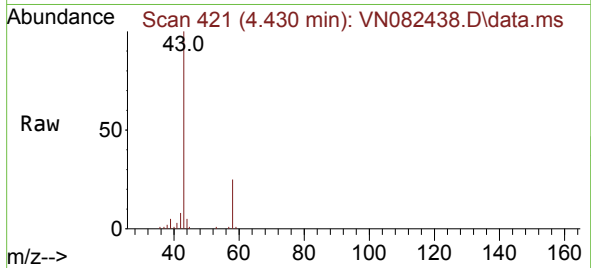




#16
Acetone
Concen: 99.377 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

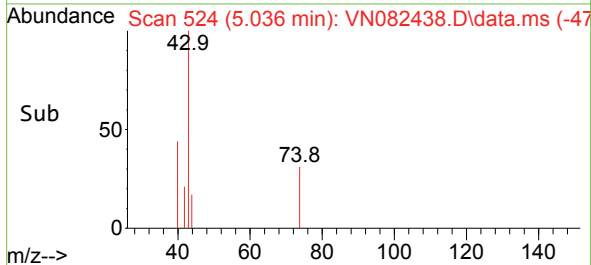
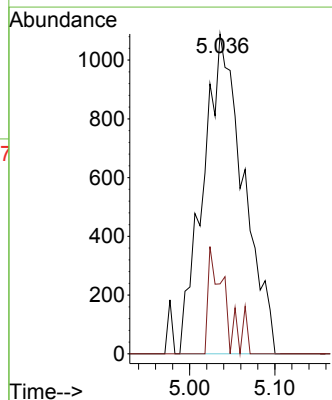
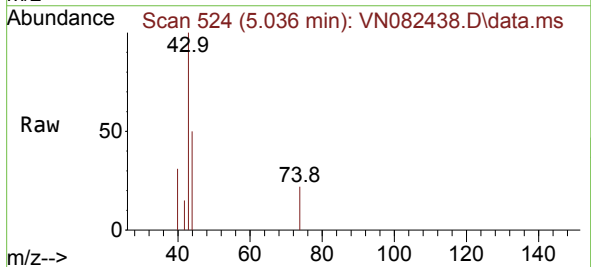
Instrument :
MSVOA_N
ClientSampleId :

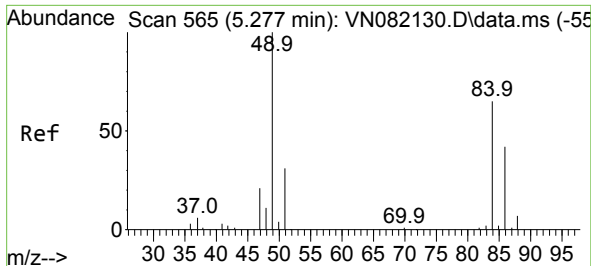
Tgt Ion: 43 Resp: 98811
Ion Ratio Lower Upper
43 100
58 25.0 25.2 37.8#



#18
Methyl Acetate
Concen: 1.443 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

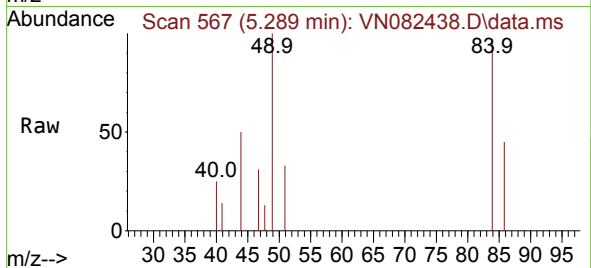
Tgt Ion: 43 Resp: 3573
Ion Ratio Lower Upper
43 100
74 14.0 22.2 33.2#



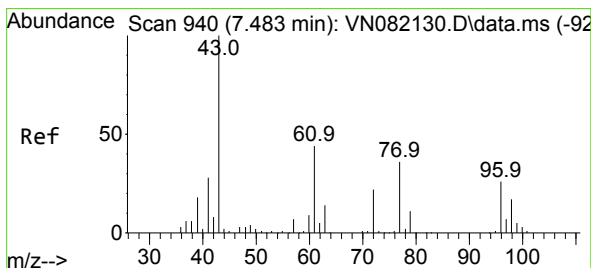
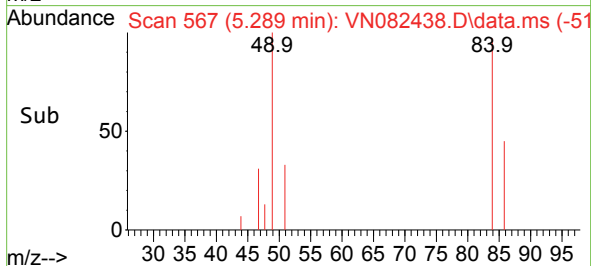
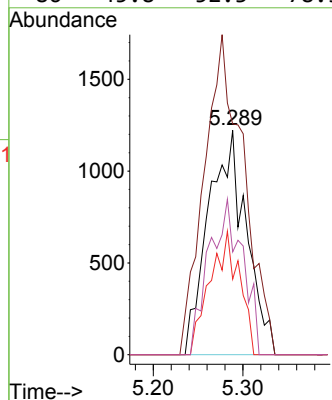


#20
Methylene Chloride
Concen: 1.785 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :

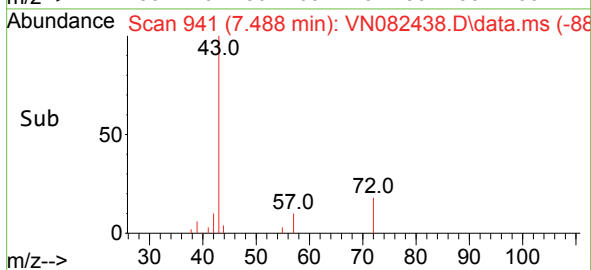
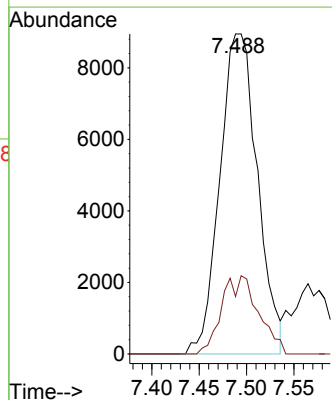
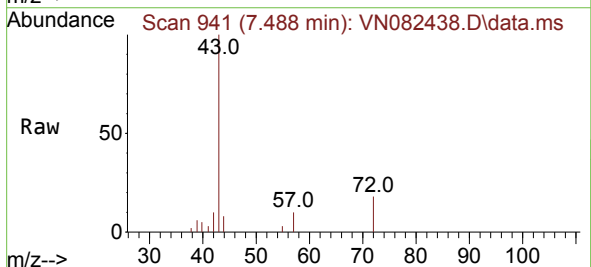


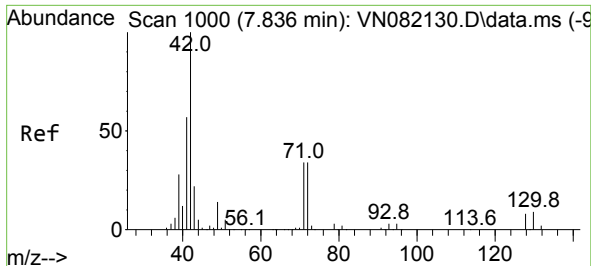
Tgt Ion: 84	Resp: 3580
Ion Ratio	Lower Upper
84 100	
49 102.9	84.9 127.3
51 33.7	27.0 40.6
86 45.8	52.3 78.5#



#25
2-Butanone
Concen: 16.400 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

Tgt Ion: 43	Resp: 24724		
Ion Ratio	Lower	Upper	
43	100		
72	18.0	25.3	37.9#





#29

Tetrahydrofuran

Concen: 3.875 ug/l

RT: 7.847 min Scan# 1067

Delta R.T. 0.011 min

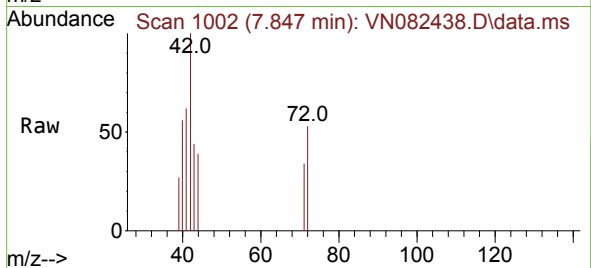
Lab File: VN082438.D

Acq: 03 Jun 2024 16:49

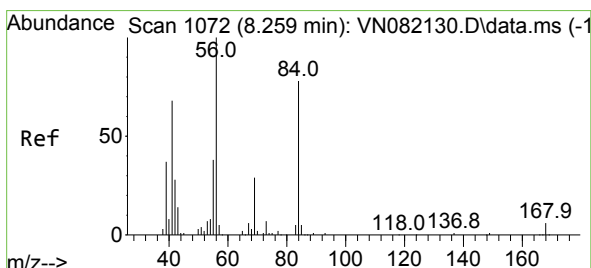
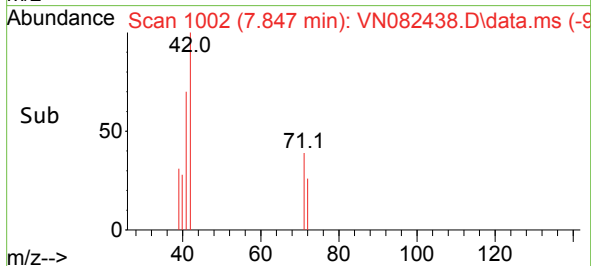
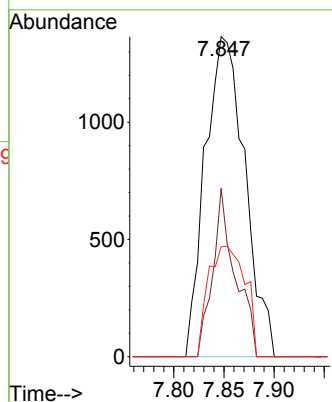
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	3751
Ion	Ratio	Lower	Upper
42	100		
72	29.9	39.3	58.9#
71	32.0	37.4	56.0#



#31

Cyclohexane

Concen: 1.174 ug/l

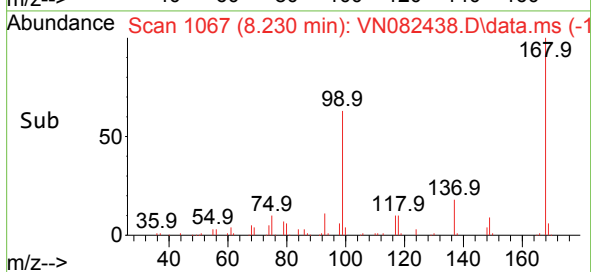
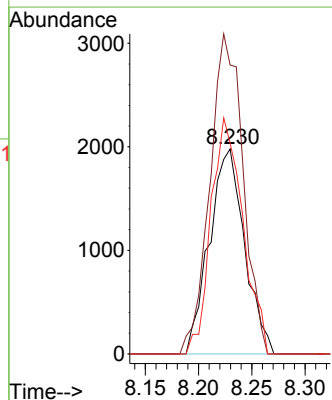
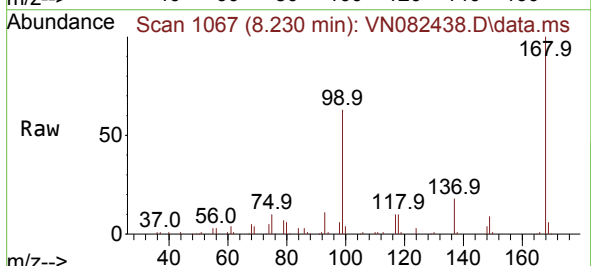
RT: 8.230 min Scan# 1067

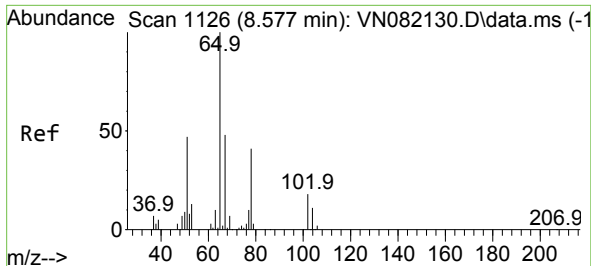
Delta R.T. -0.029 min

Lab File: VN082438.D

Acq: 03 Jun 2024 16:49

Tgt Ion:	56	Resp:	4546
Ion	Ratio	Lower	Upper
56	100		
69	141.0	24.4	36.6#
84	102.8	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 54.968 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082438.D

Acq: 03 Jun 2024 16:49

Instrument :

MSVOA_N

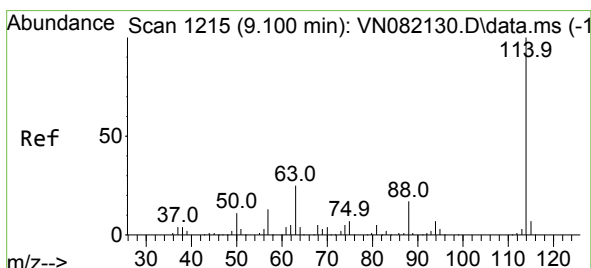
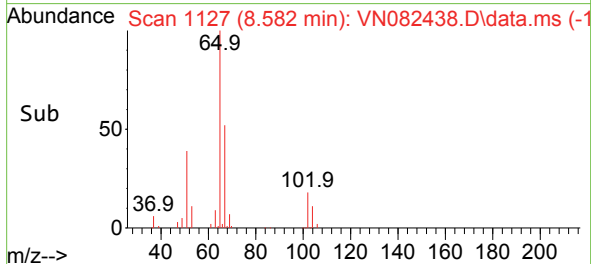
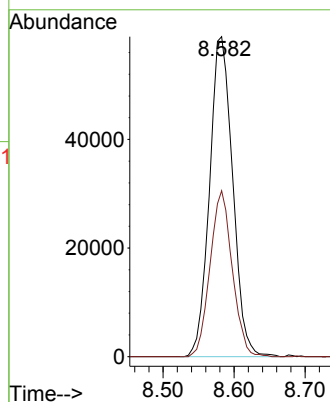
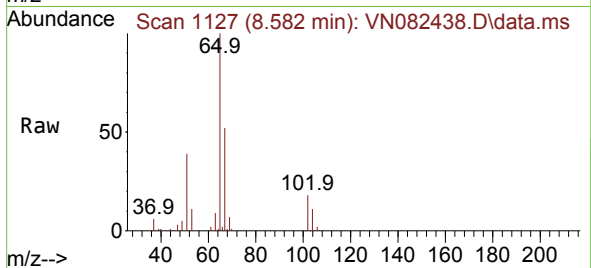
ClientSampleId :

Tgt Ion: 65 Resp: 133235

Ion Ratio Lower Upper

65 100

67 49.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082438.D

Acq: 03 Jun 2024 16:49

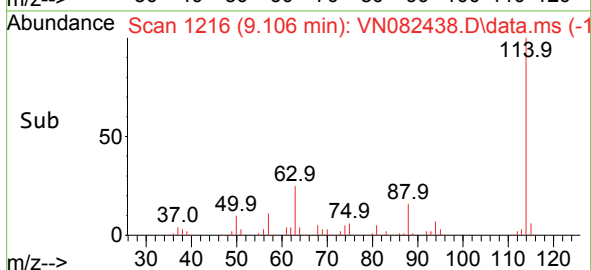
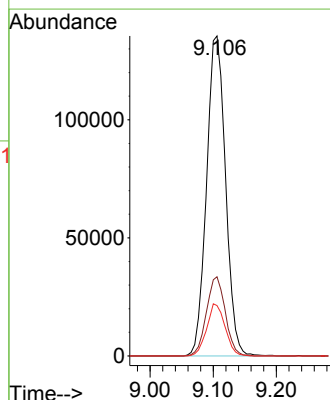
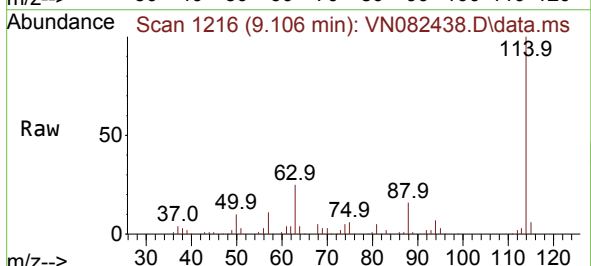
Tgt Ion: 114 Resp: 283027

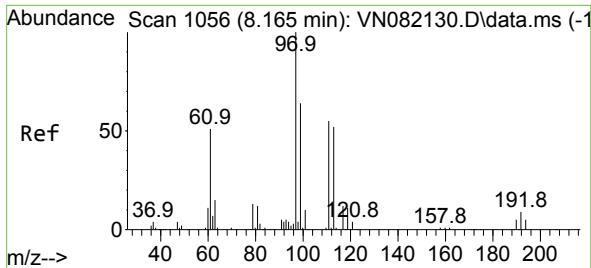
Ion Ratio Lower Upper

114 100

63 24.8 0.0 41.0

88 15.7 0.0 31.4

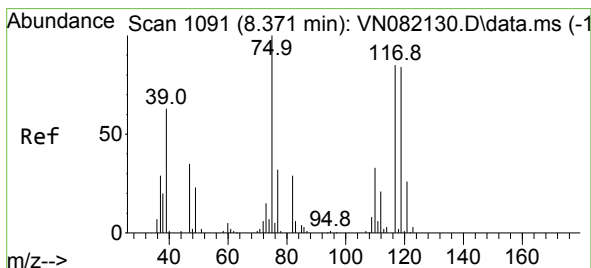
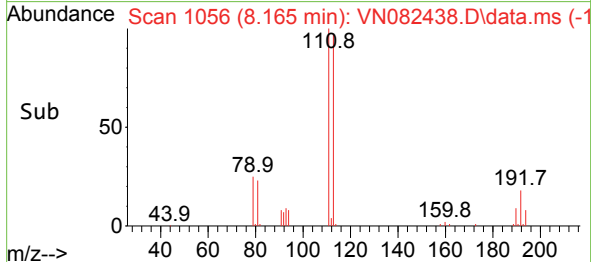
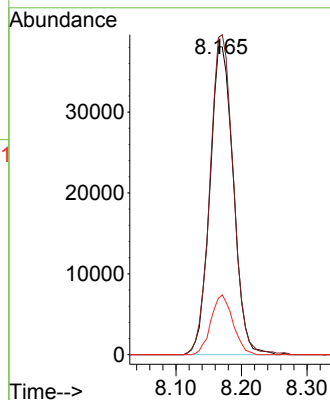
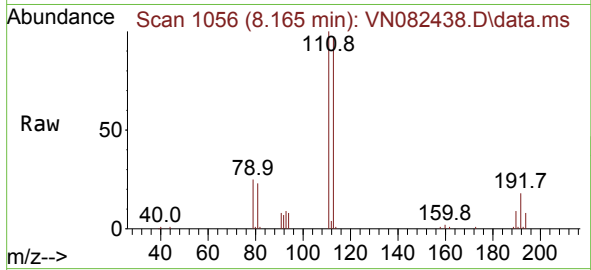




#35
Dibromofluoromethane
Concen: 54.504 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

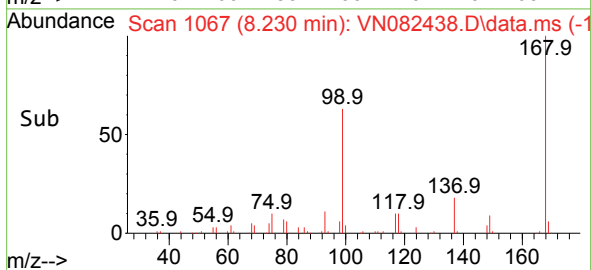
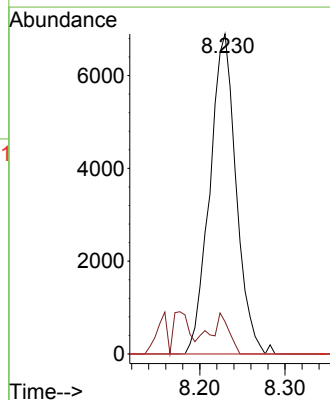
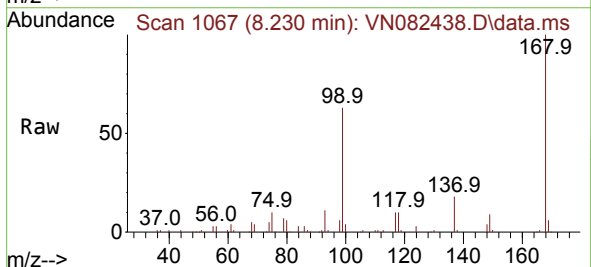
Instrument :
MSVOA_N
ClientSampleId :

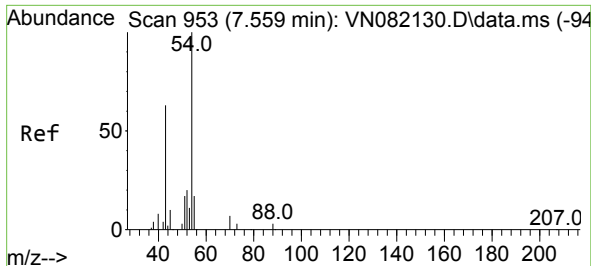
Tgt Ion:113 Resp: 94895
Ion Ratio Lower Upper
113 100
111 103.2 83.4 125.2
192 18.1 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.089 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

Tgt Ion: 75 Resp: 14859
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.399 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

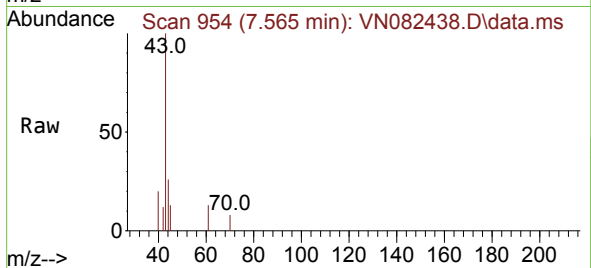
Lab File: VN082438.D

Acq: 03 Jun 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :



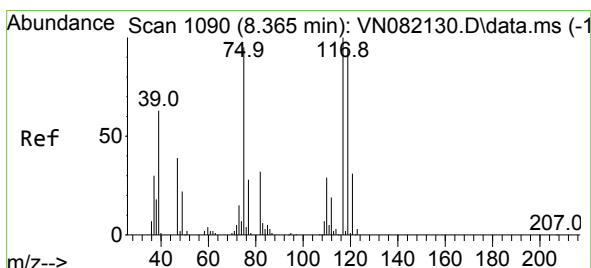
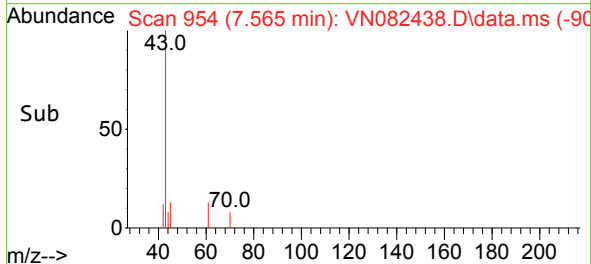
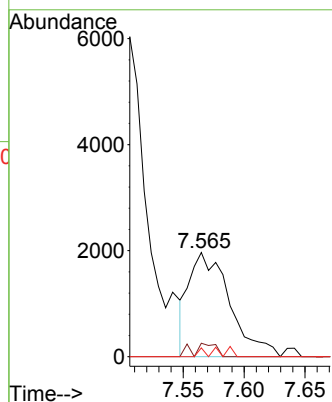
Tgt Ion: 43 Resp: 4572

Ion Ratio Lower Upper

43 100

61 7.2 11.3 16.9#

70 1.3 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.671 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082438.D

Acq: 03 Jun 2024 16:49

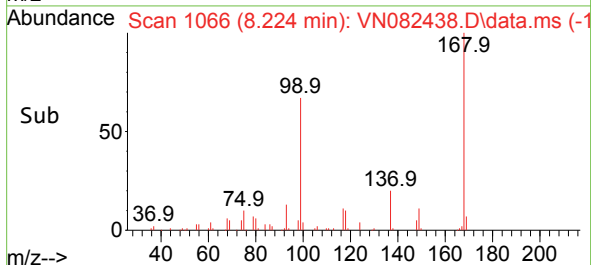
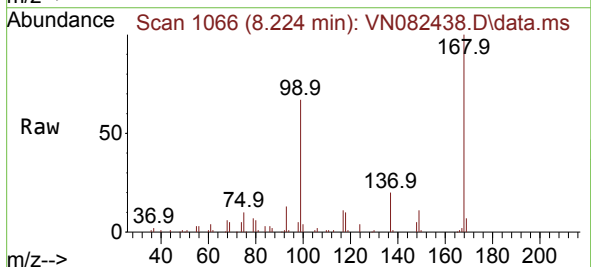
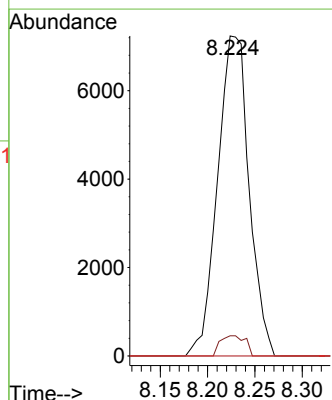
Tgt Ion: 117 Resp: 16787

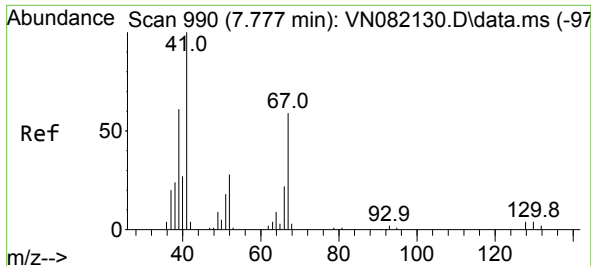
Ion Ratio Lower Upper

117 100

119 6.3 76.5 114.7#

121 0.0 23.9 35.9#

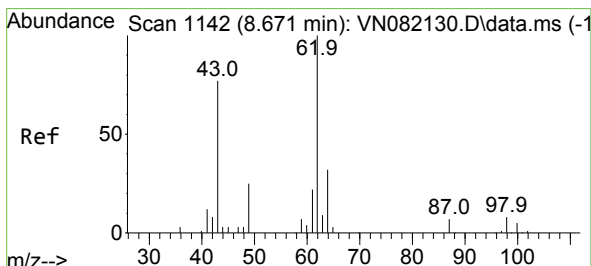
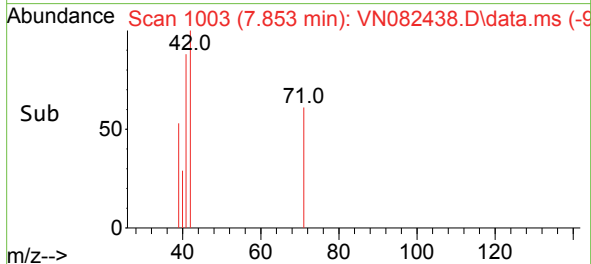
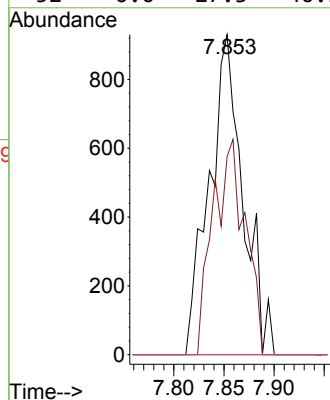
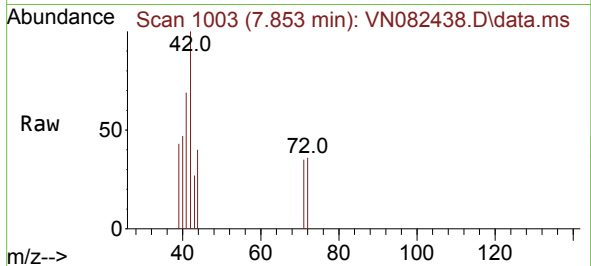




#41
Methacrylonitrile
Concen: 1.130 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.076 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

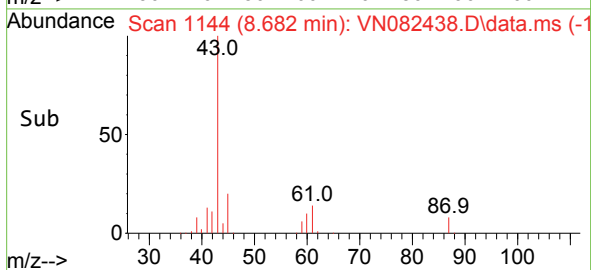
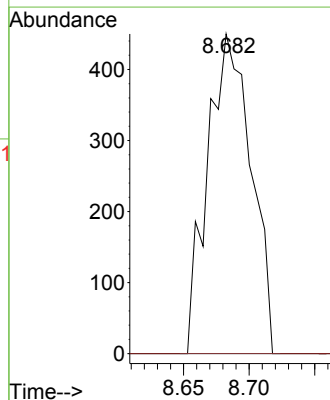
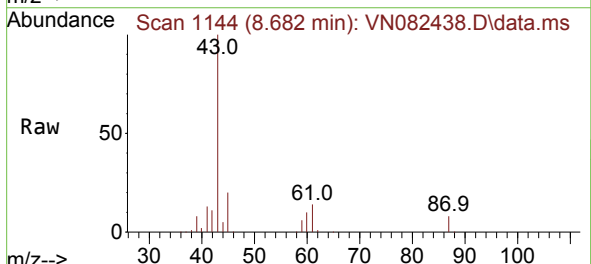
Instrument :
MSVOA_N
ClientSampleId :

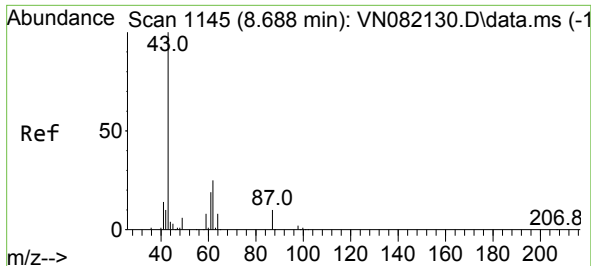
Tgt Ion: 41 Resp: 2172
Ion Ratio Lower Upper
41 100
39 64.5 46.6 69.8
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#



#42
1,2-Dichloroethane
Concen: 0.311 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

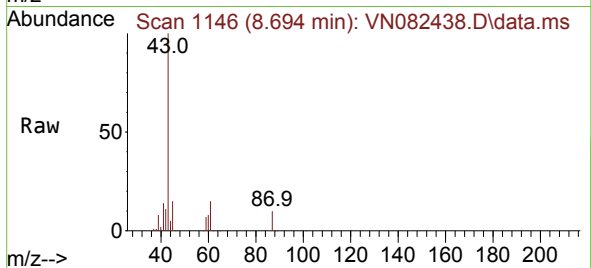
Tgt Ion: 62 Resp: 1040
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



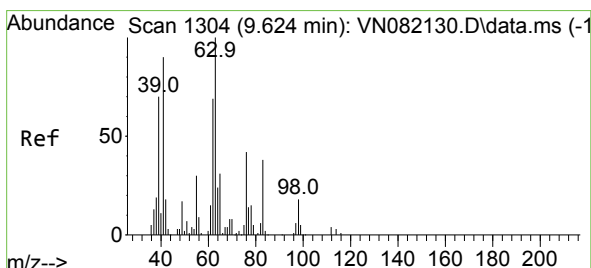
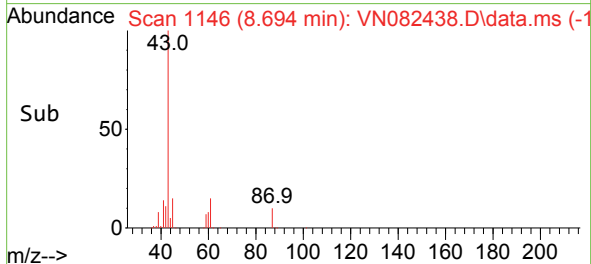
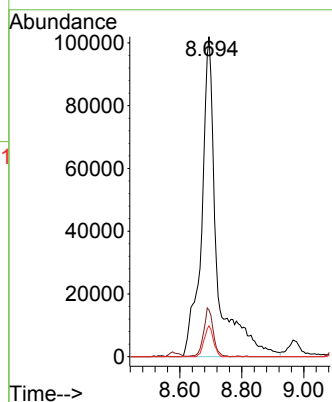


#43
Isopropyl Acetate
Concen: 61.108 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :

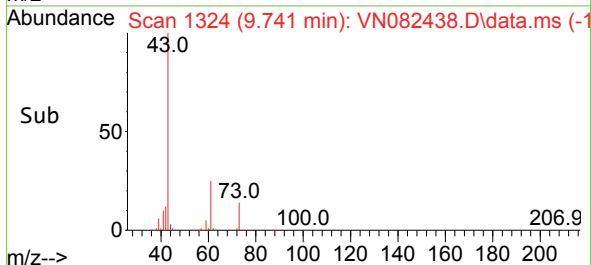
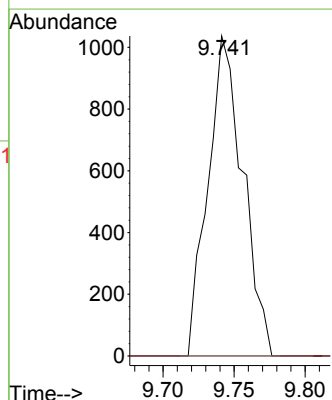
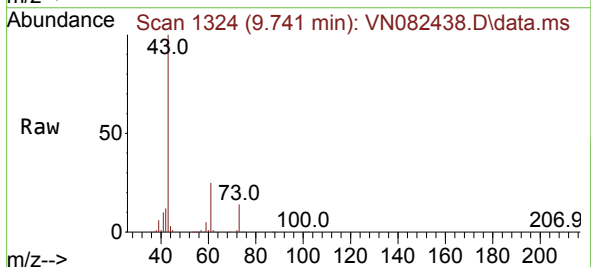


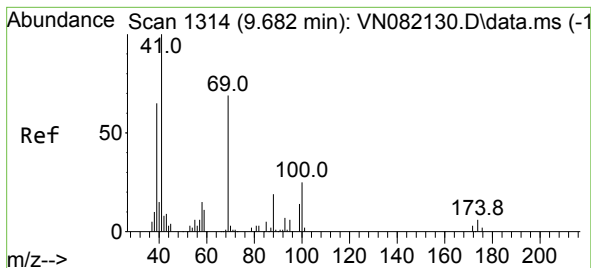
Tgt Ion: 43 Resp: 353839
Ion Ratio Lower Upper
43 100
61 9.4 22.8 34.2#
87 5.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.789 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

Tgt Ion: 63 Resp: 1773
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#





#48

Methyl methacrylate

Concen: 1.930 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN082438.D

Acq: 03 Jun 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :

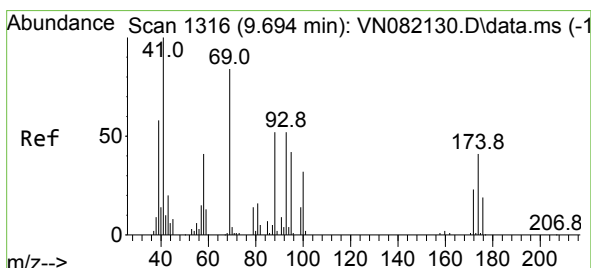
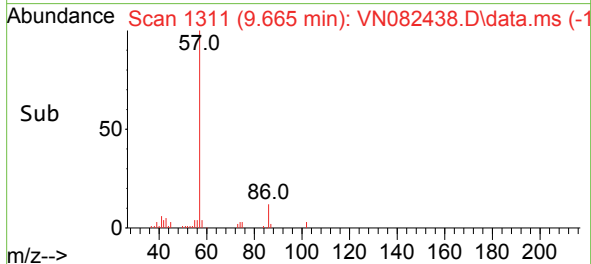
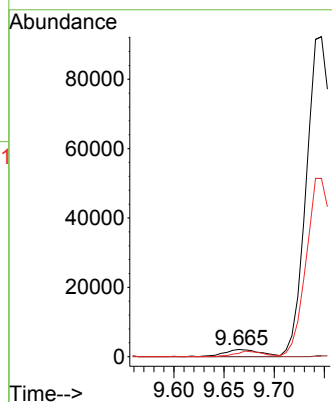
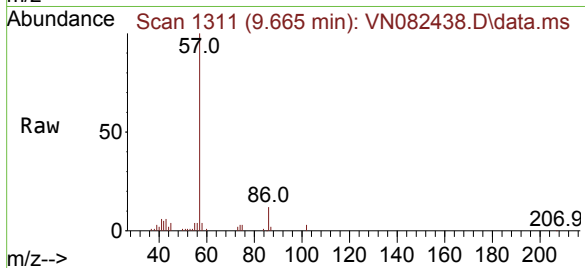
Tgt Ion: 41 Resp: 5326

Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 58.9 50.9 76.3



#49

1,4-Dioxane

Concen: 5.250 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.047 min

Lab File: VN082438.D

Acq: 03 Jun 2024 16:49

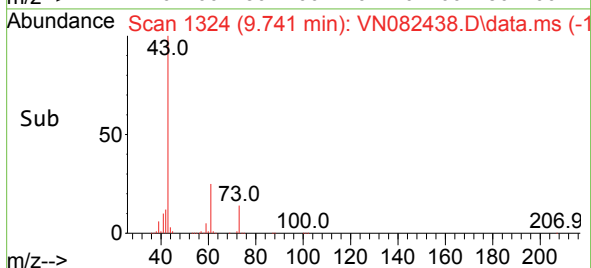
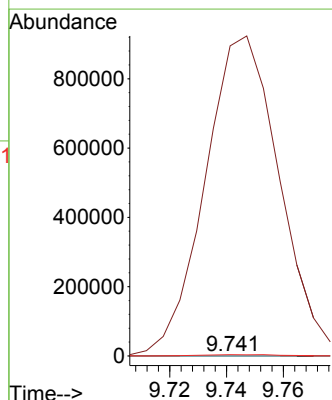
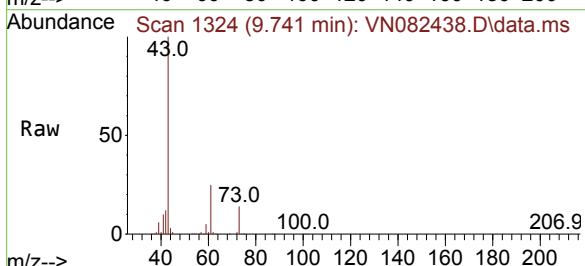
Tgt Ion: 88 Resp: 203

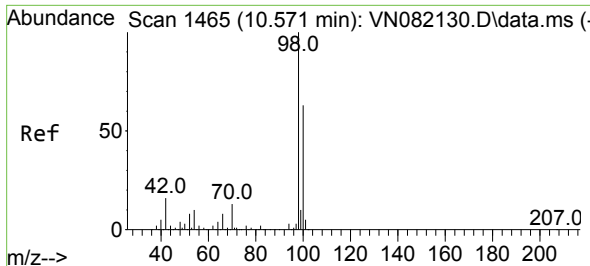
Ion Ratio Lower Upper

88 100

43 831503.0 19.0 28.6#

58 3653.2 50.6 76.0#

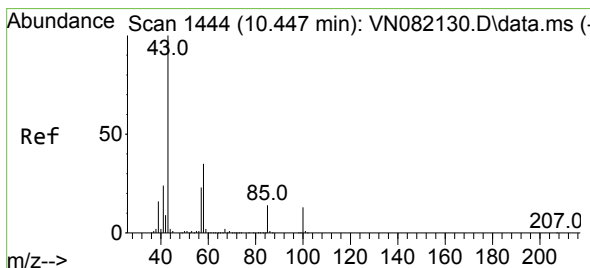
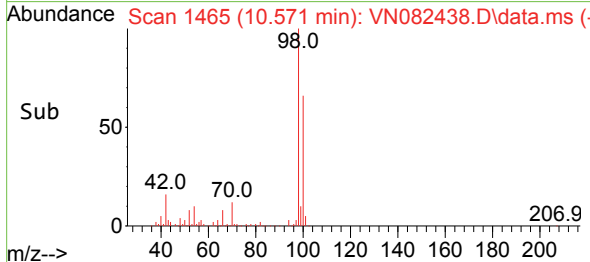
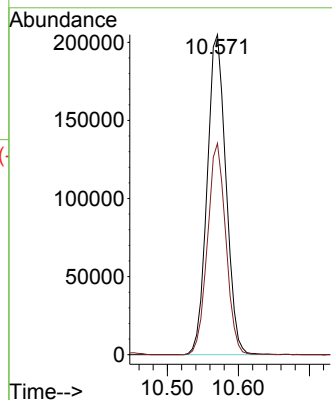
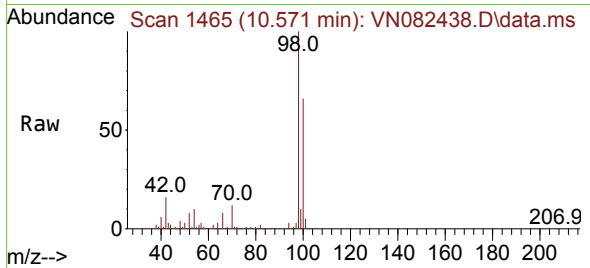




#50
Toluene-d8
Concen: 56.467 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

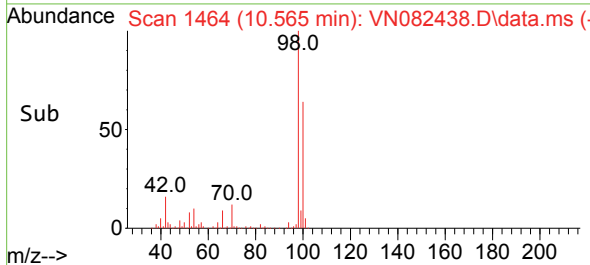
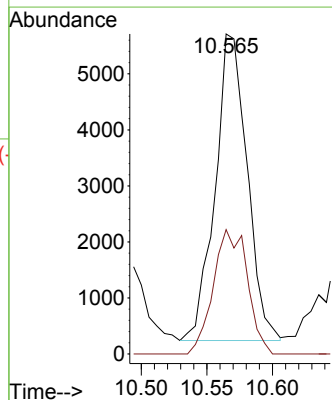
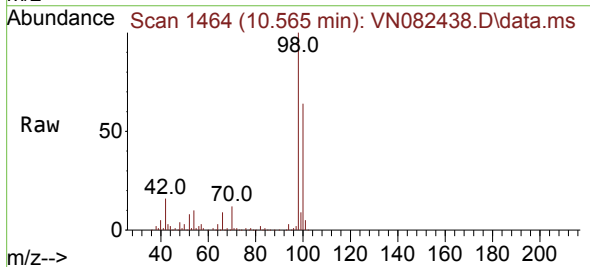
Instrument :
MSVOA_N
ClientSampleId :

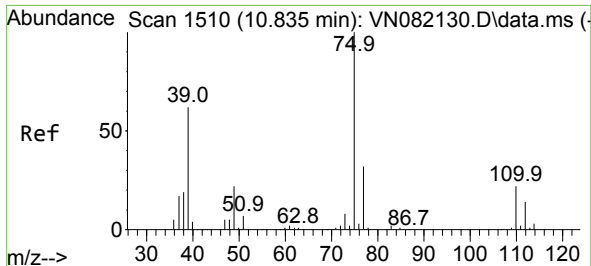
Tgt Ion: 98 Resp: 376919
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.823 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

Tgt Ion: 43 Resp: 9288
Ion Ratio Lower Upper
43 100
58 43.2 33.2 49.8

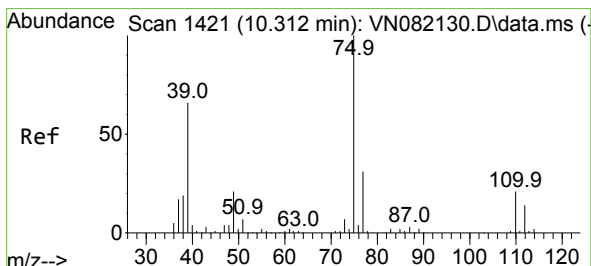
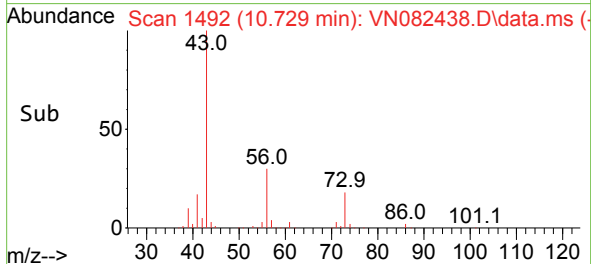
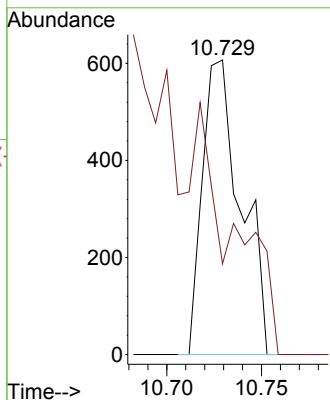
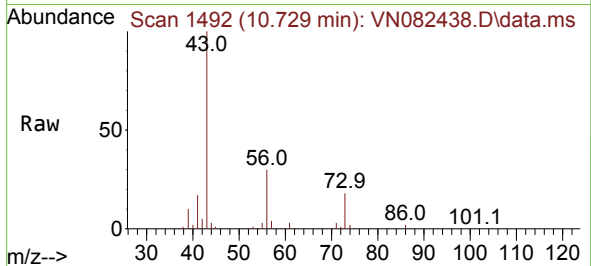




#53
 t-1,3-Dichloropropene
 Concen: 0.266 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082438.D
 Acq: 03 Jun 2024 16:49

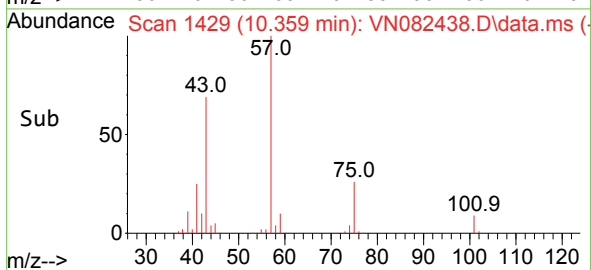
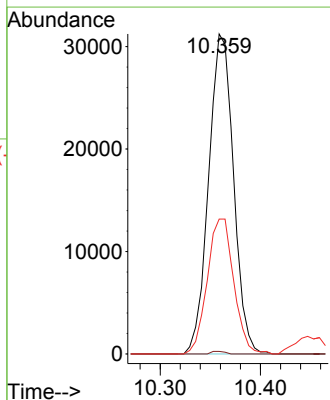
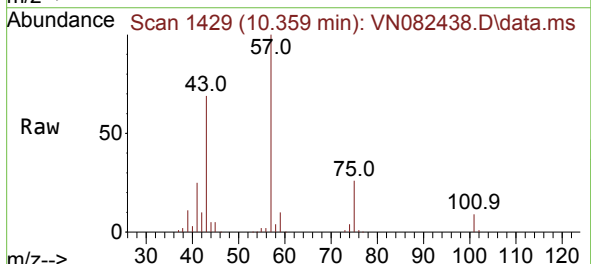
Instrument :
 MSVOA_N
 ClientSampleId :

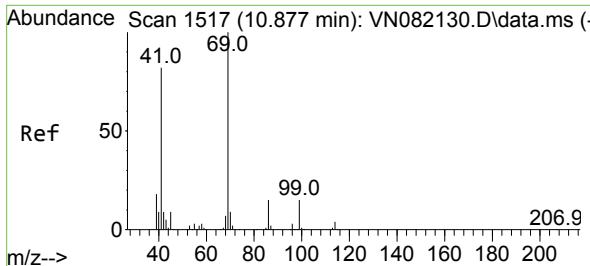
Tgt Ion: 75 Resp: 858
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 15.769 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082438.D
 Acq: 03 Jun 2024 16:49

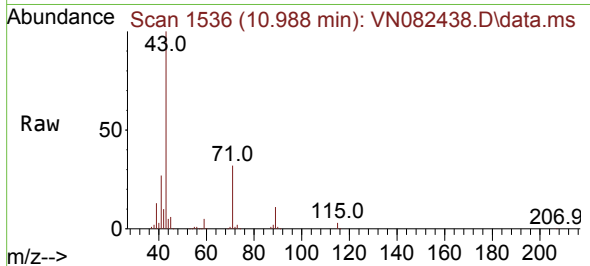
Tgt Ion: 75 Resp: 53755
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.4#
 39 42.1 34.8 52.2



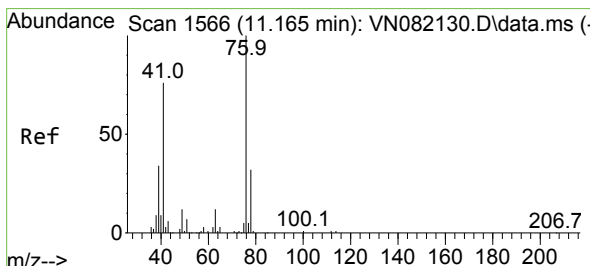
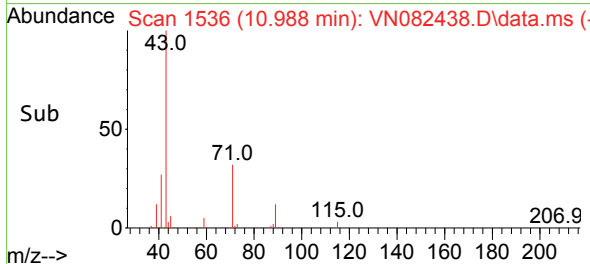
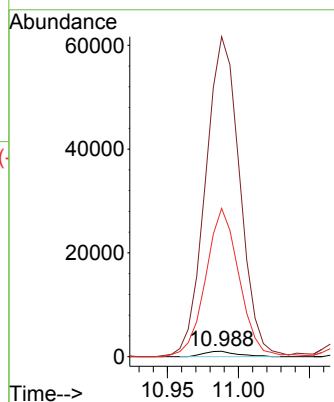


#56
Ethyl methacrylate
Concen: 0.533 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :

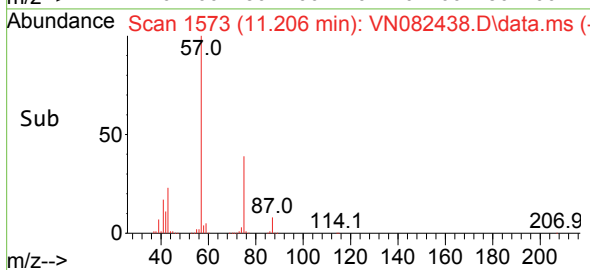
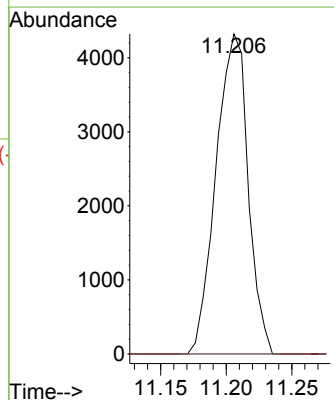
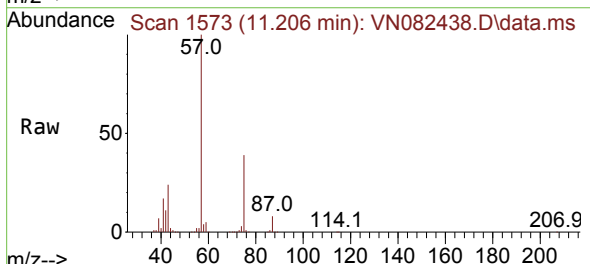


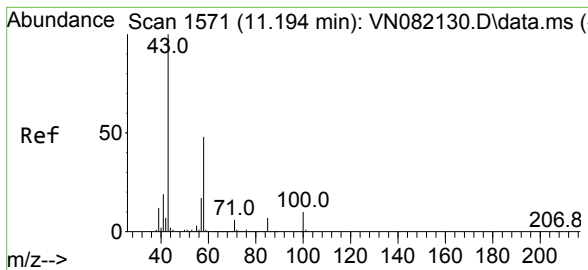
Tgt Ion: 69 Resp: 1717
Ion Ratio Lower Upper
69 100
41 6045.1 46.6 70.0#
39 2742.5 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 2.073 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

Tgt Ion: 76 Resp: 7359
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

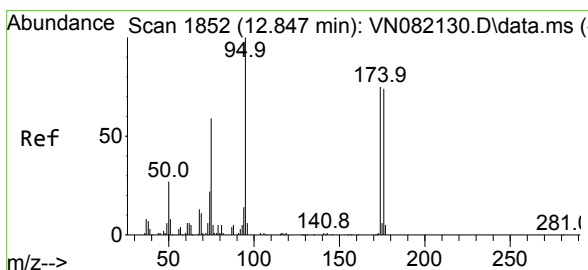
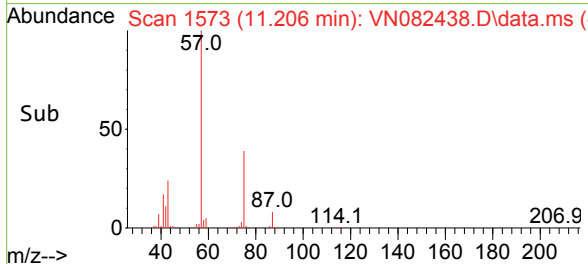
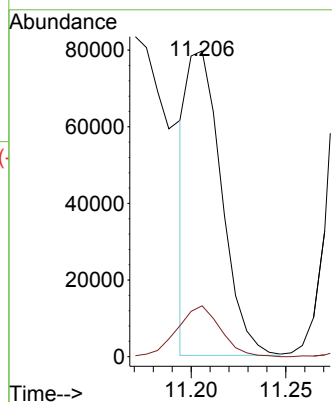
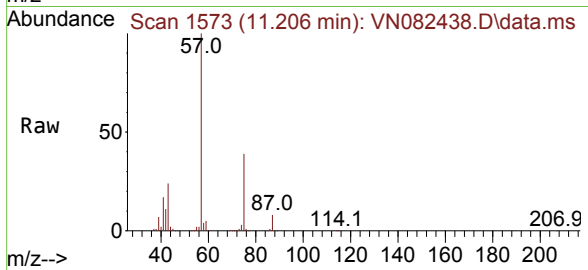




#59
2-Hexanone
Concen: 41.474 ug/l
RT: 11.206 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

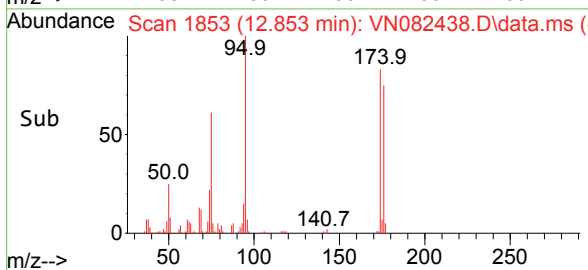
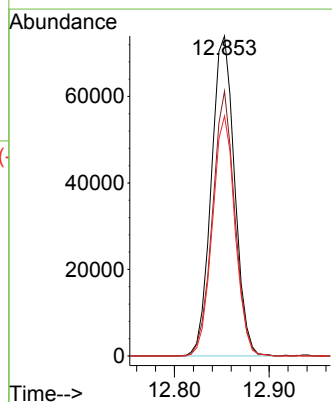
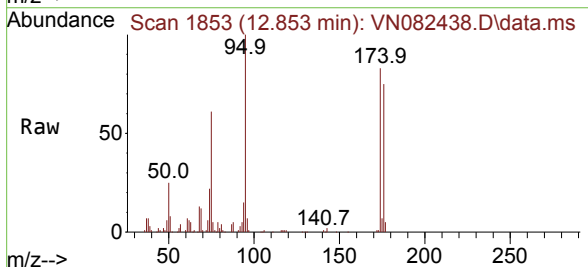
Instrument :
MSVOA_N
ClientSampleId :

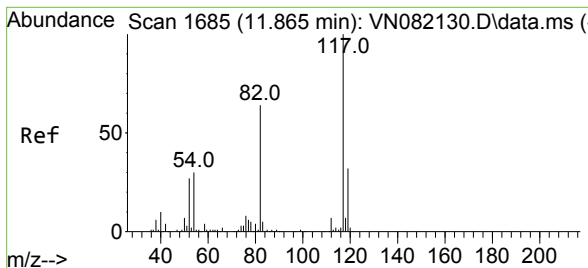
Tgt Ion: 43 Resp: 99908
Ion Ratio Lower Upper
43 100
58 21.2 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 52.991 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

Tgt Ion: 95 Resp: 126250
Ion Ratio Lower Upper
95 100
174 79.1 0.0 160.6
176 73.1 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082438.D

Acq: 03 Jun 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :

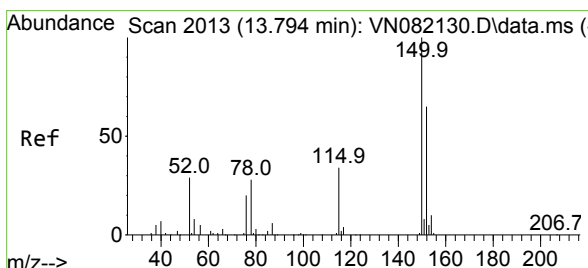
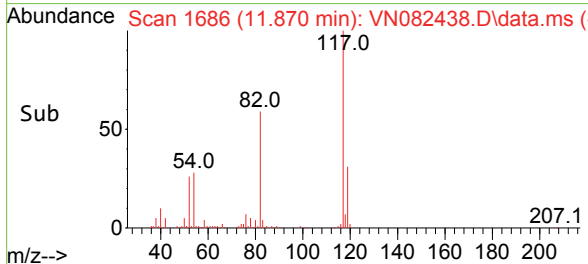
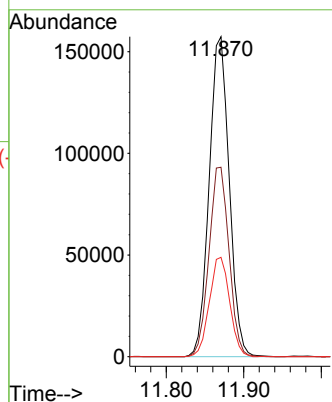
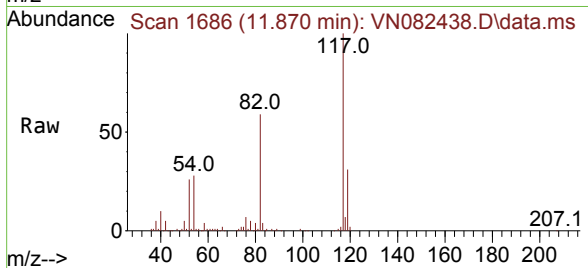
Tgt Ion:117 Resp: 282545

Ion Ratio Lower Upper

117 100

82 59.2 44.6 66.8

119 31.0 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082438.D

Acq: 03 Jun 2024 16:49

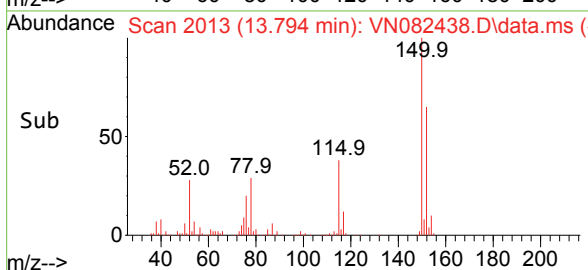
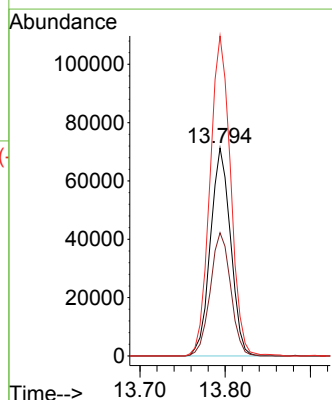
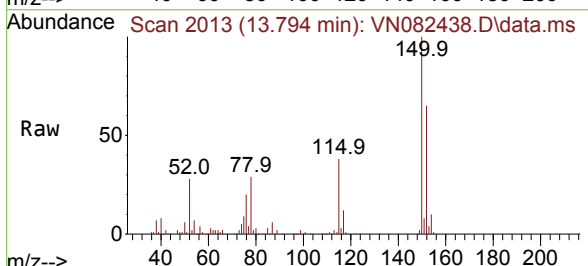
Tgt Ion:152 Resp: 117147

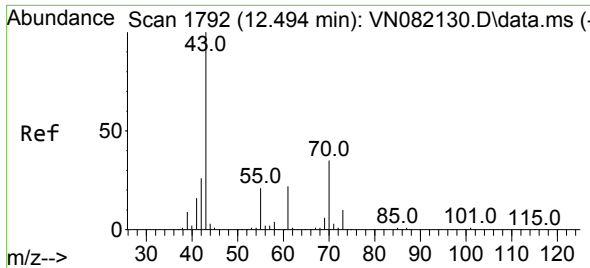
Ion Ratio Lower Upper

152 100

115 60.0 30.4 91.3

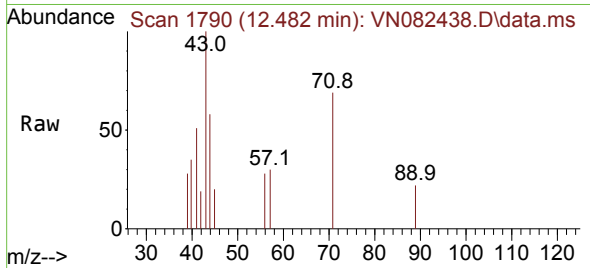
150 157.8 0.0 353.2



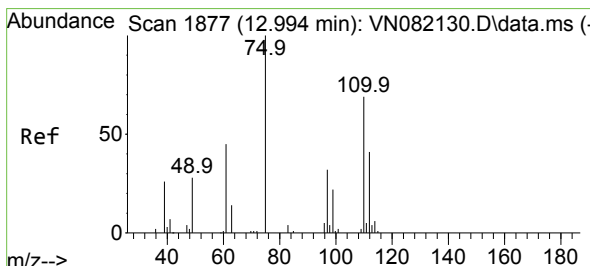
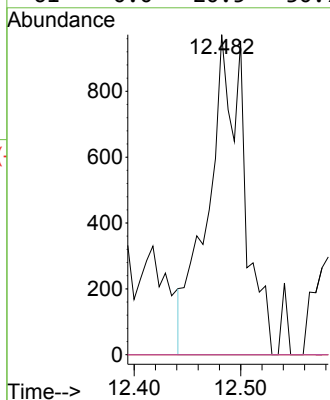
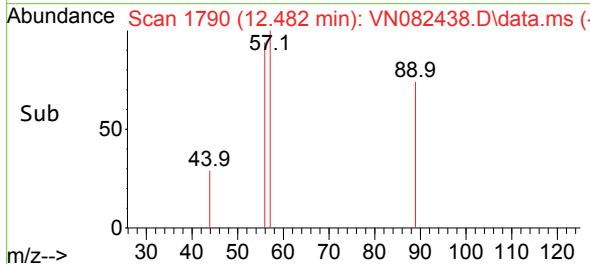


#74
N-amy1 acetate
Concen: 0.446 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :

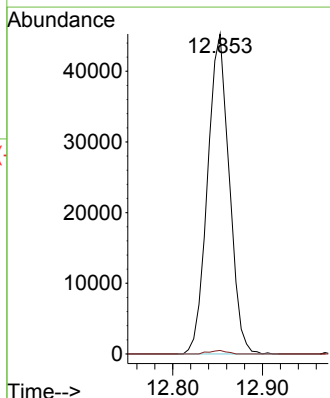
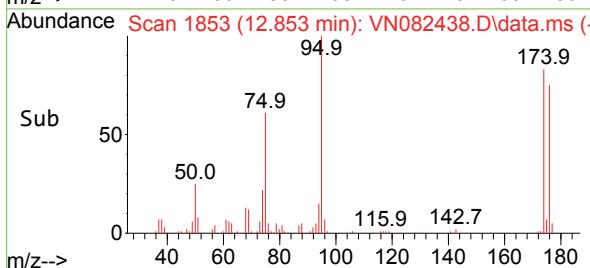
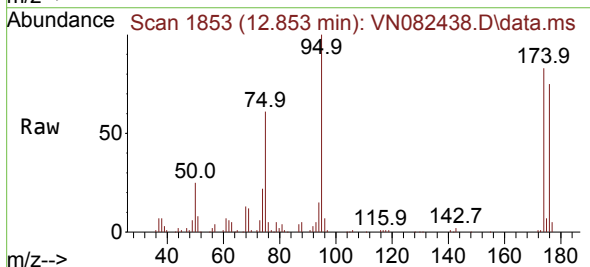


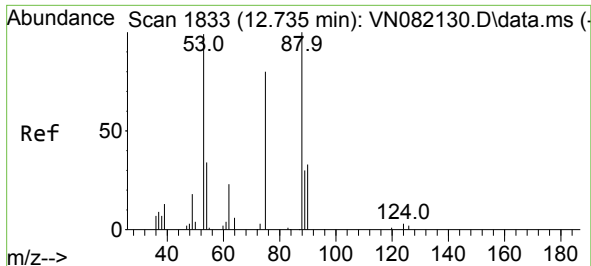
Tgt Ion: 43	Resp: 2285
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 0.0	21.3 31.9#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 30.792 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

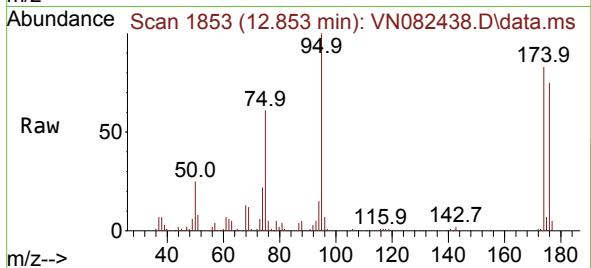
Tgt Ion: 75	Resp: 75923
Ion Ratio	Lower Upper
75 100	
77 0.9	90.5 271.3#



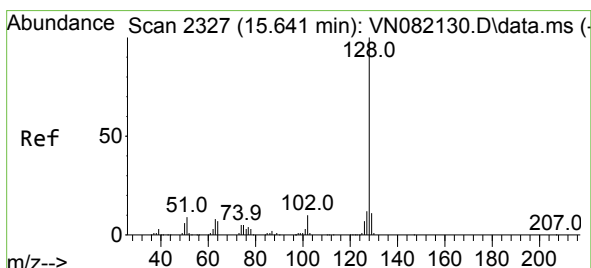
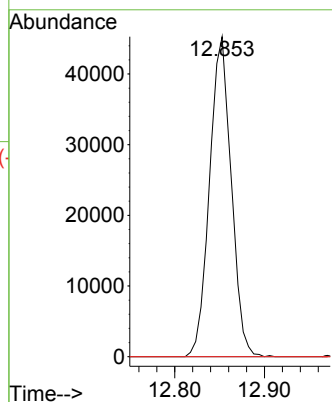
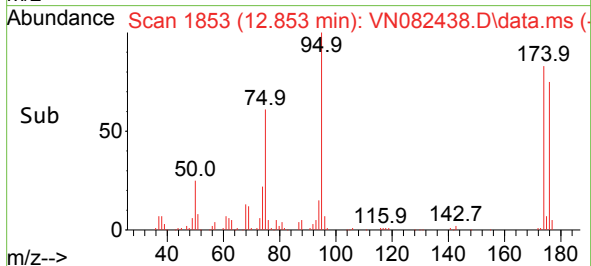


#81
trans-1,4-Dichloro-2-butene
Concen: 72.021 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49

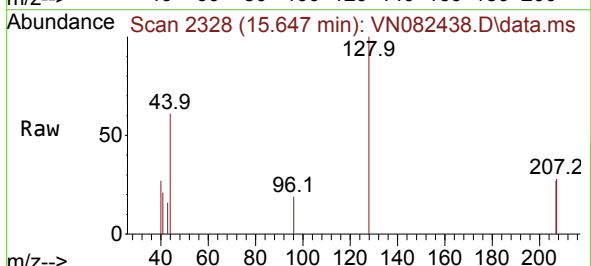
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 75923
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#



#95
Naphthalene
Concen: 0.232 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN082438.D
Acq: 03 Jun 2024 16:49



Tgt Ion: 128 Resp: 1553
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 0.0 8.9 13.3#

