

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061324\
 Data File : VN082566.D
 Acq On : 13 Jun 2024 17:58
 Operator : JC\MD
 Sample : P2864-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-H

Quant Time: Jun 14 02:33:15 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

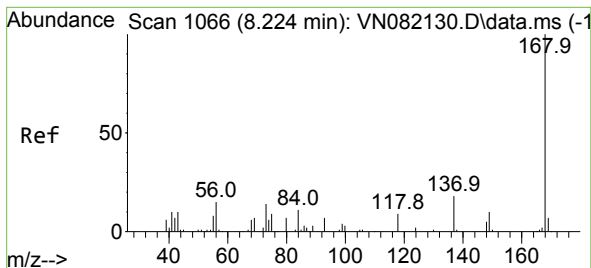
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	161826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	316975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	321121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	130601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	136289	53.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.680%			
35) Dibromofluoromethane	8.171	113	101394	52.000	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.000%			
50) Toluene-d8	10.570	98	390149	52.189	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.380%			
62) 4-Bromofluorobenzene	12.853	95	127519	47.791	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 95.580%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.536	59	1924	4.691	ug/l #	71
16) Acetone	4.436	43	25854	24.665	ug/l	89
18) Methyl Acetate	5.036	43	3940	1.509	ug/l #	64
20) Methylene Chloride	5.277	84	7826	3.700	ug/l #	70
25) 2-Butanone	7.494	43	13057	8.216	ug/l #	78
29) Tetrahydrofuran	7.841	42	303	0.297	ug/l #	42
31) Cyclohexane	8.229	56	5047	1.237	ug/l #	54
36) 1,1-Dichloropropene	8.229	75	14929	4.565	ug/l #	49
37) Ethyl Acetate	7.565	43	4663	1.274	ug/l #	87
38) Carbon Tetrachloride	8.224	117	17133	5.168	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	1242	0.331	ug/l #	73
43) Isopropyl Acetate	8.694	43	278614	42.963	ug/l #	73
48) Methyl methacrylate	9.671	41	6904	2.234	ug/l #	36
51) 4-Methyl-2-Pentanone	10.359	43	134867	36.603	ug/l #	44
53) t-1,3-Dichloropropene	10.735	75	937	0.260	ug/l	96
54) cis-1,3-Dichloropropene	10.365	75	51893	13.593	ug/l #	76
56) Ethyl methacrylate	10.982	69	2012	0.557	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6546	1.646	ug/l #	42
59) 2-Hexanone	11.170	43	151249	56.063	ug/l #	23
71) Bromoform	12.847	173	608	1.024	ug/l #	28
74) N-amyl acetate	12.459	43	4021	0.705	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	75877	27.603	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75877	64.563	ug/l #	13

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

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Chromatogram plot showing Abundance vs Time (min). The plot displays numerous peaks, with the most prominent ones labeled with chemical names. The x-axis ranges from 2.00 to 16.00 minutes, and the y-axis ranges from 0 to 1,900,000 abundance units. Key peaks are labeled with names such as Acetone, Methyl Acetate, Methylene Chloride, Tert butyl alcohol, Tetrahydrofuran, 2-Butanone, Dibromomethane, 1,2-Dichloroethane, 1,4-Difluorobenzene, Methyl methacrylate, cis-1,2-Dichloroethane, Toluene, t-1,3-Dichloropropene, Ethyl methacrylate, 1,3-Dichloropropane, Chlorobenzene, N-ethyl acetate, Bromoacetaldehyde, and 1,4-Dichlorobenzene.



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN082566.D

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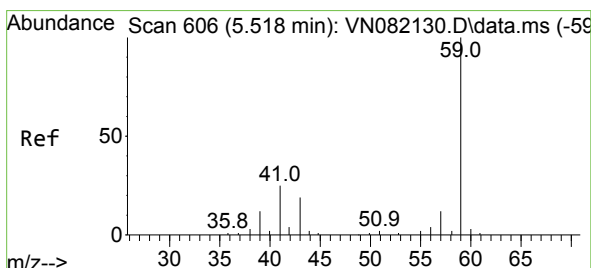
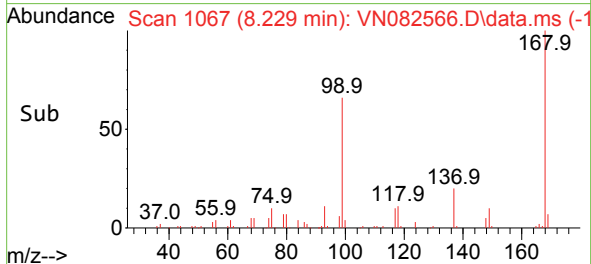
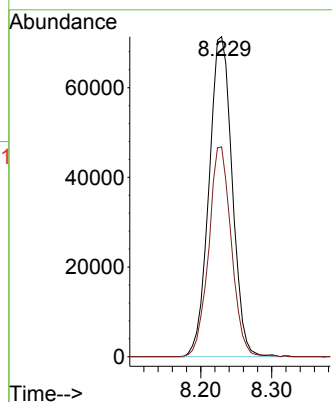
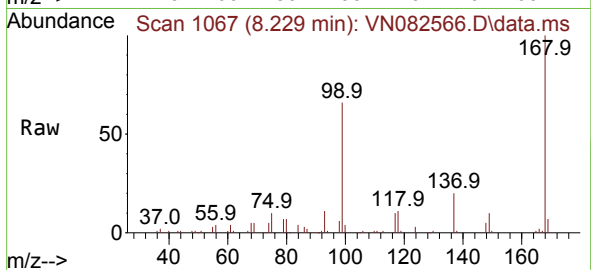
WC-H

Tgt Ion:168 Resp: 161826

Ion Ratio Lower Upper

168 100

99 65.6 48.2 72.4



#11

Tert butyl alcohol

Concen: 4.691 ug/l

RT: 5.536 min Scan# 609

Delta R.T. 0.018 min

Lab File: VN082566.D

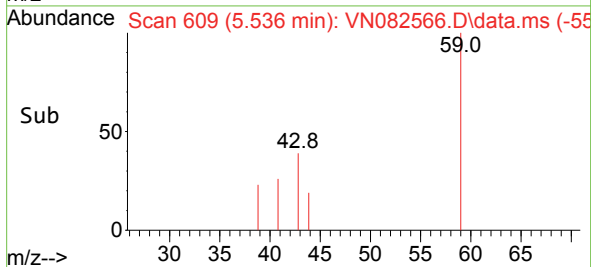
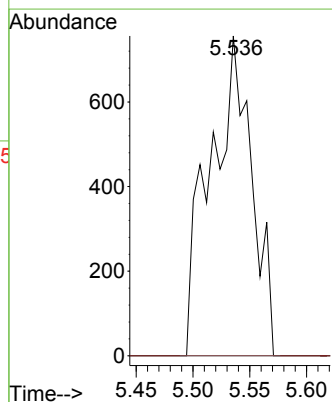
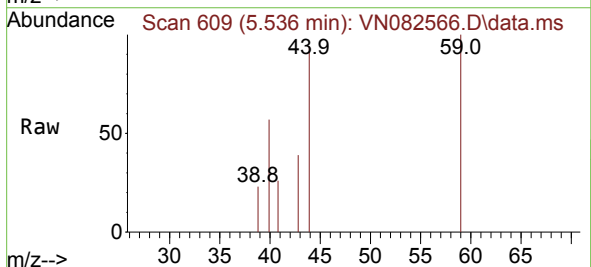
Acq: 13 Jun 2024 17:58

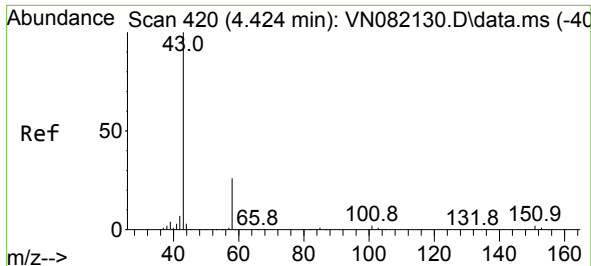
Tgt Ion: 59 Resp: 1924

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#

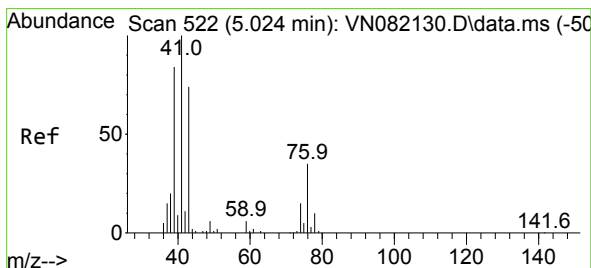
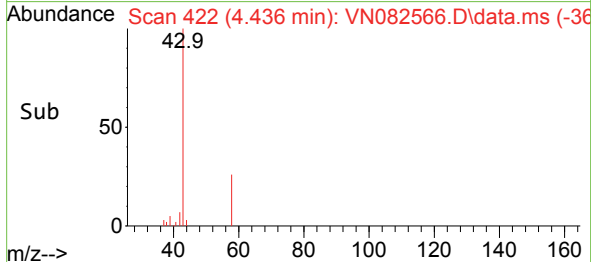
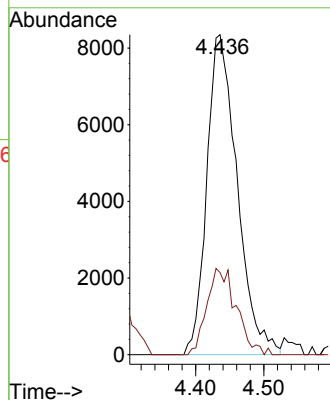
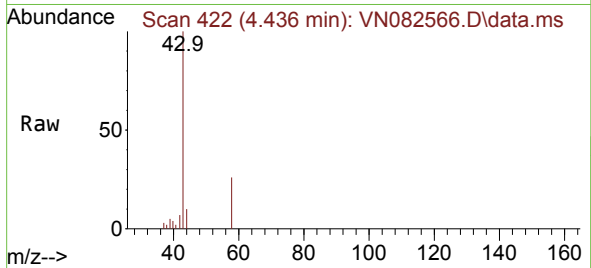




#16
Acetone
Concen: 24.665 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

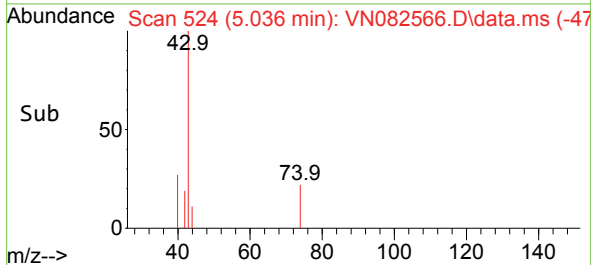
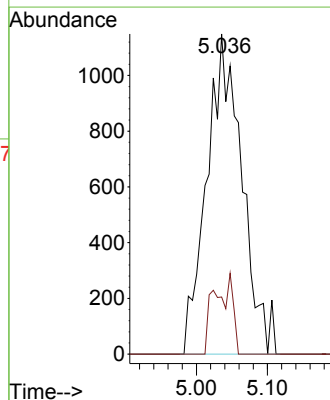
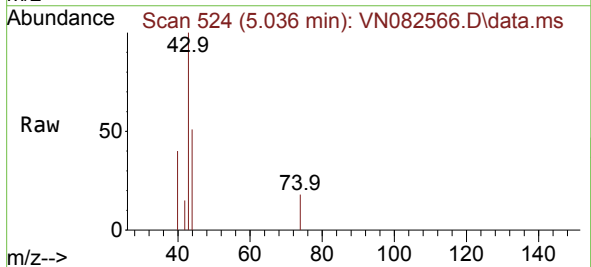
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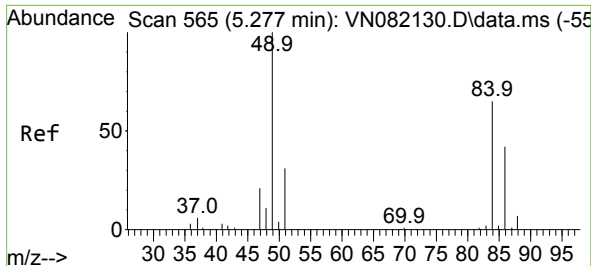
Tgt Ion: 43 Resp: 25854
Ion Ratio Lower Upper
43 100
58 25.7 25.2 37.8



#18
Methyl Acetate
Concen: 1.509 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

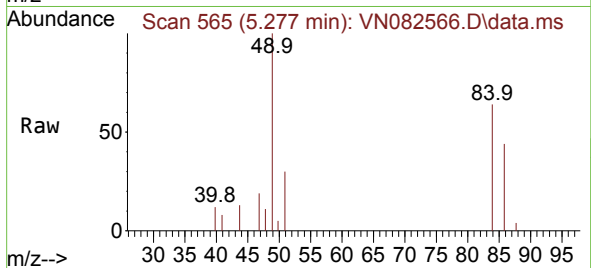
Tgt Ion: 43 Resp: 3940
Ion Ratio Lower Upper
43 100
74 9.1 22.2 33.2#



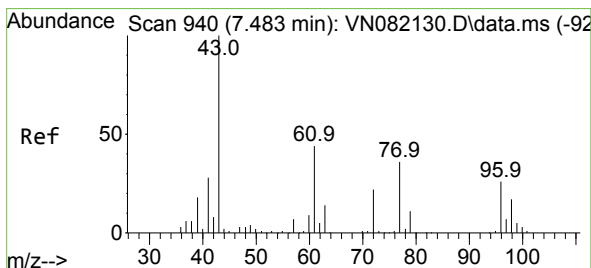
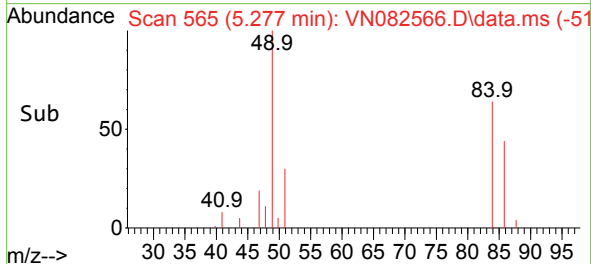
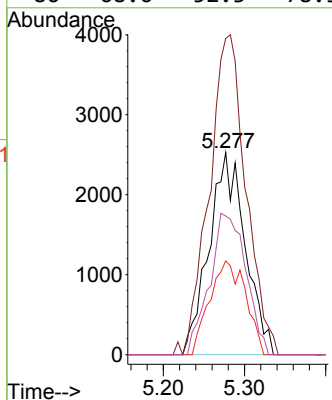


#20
Methylene Chloride
Concen: 3.700 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

Instrument :
MSVOA_N
ClientSampleId :
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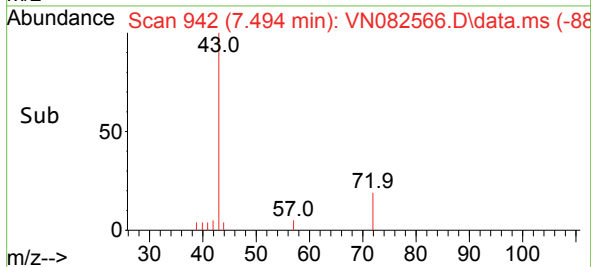
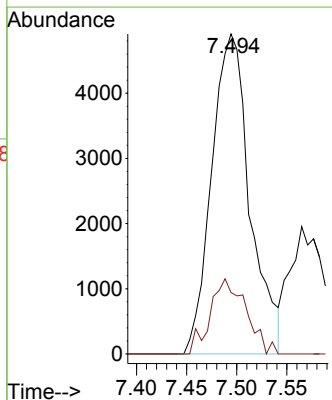
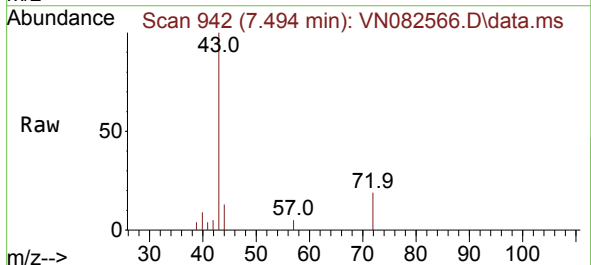


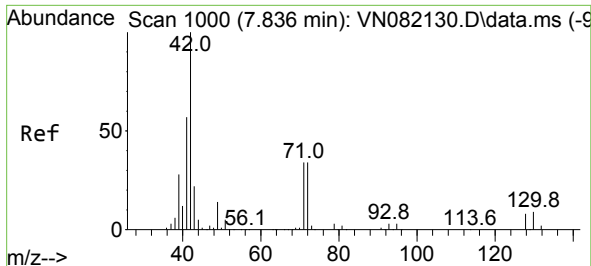
Tgt Ion:	84	Resp:	7826
Ion	Ratio	Lower	Upper
84	100		
49	156.4	84.9	127.3#
51	46.4	27.0	40.6#
86	68.6	52.3	78.5



#25
2-Butanone
Concen: 8.216 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

Tgt Ion:	43	Resp:	13057
Ion	Ratio	Lower	Upper
43	100		
72	19.2	25.3	37.9#

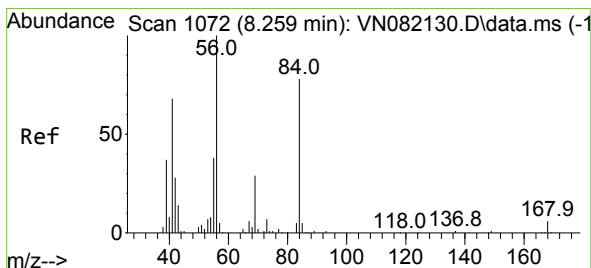
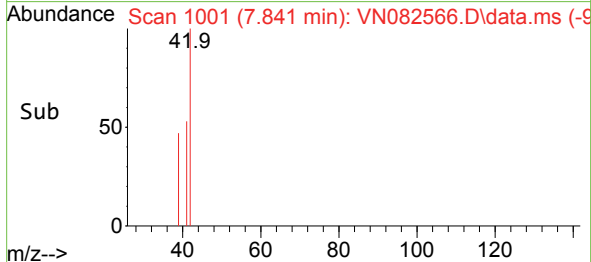
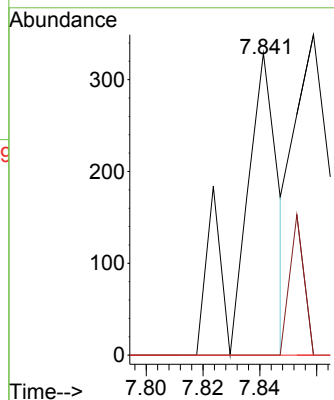
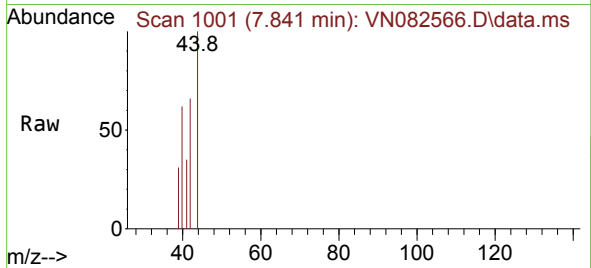




#29
Tetrahydrofuran
Concen: 0.297 ug/l
RT: 7.841 min Scan# 1000
Delta R.T. 0.005 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

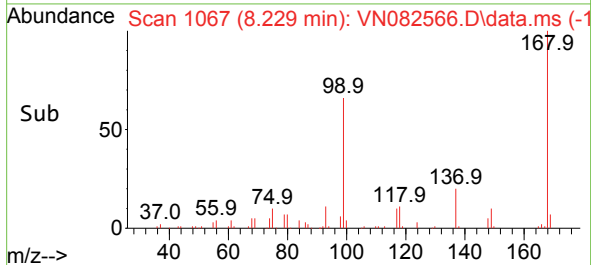
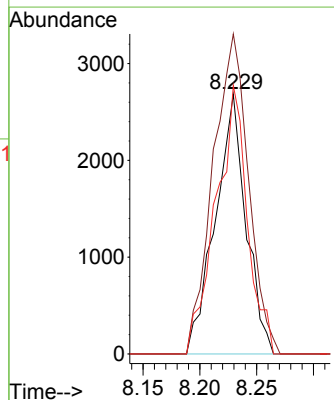
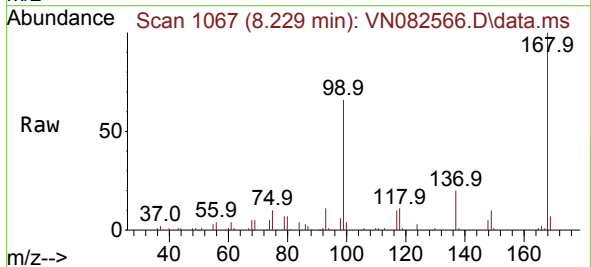
Instrument :
MSVOA_N
ClientSampleId :
WC-H

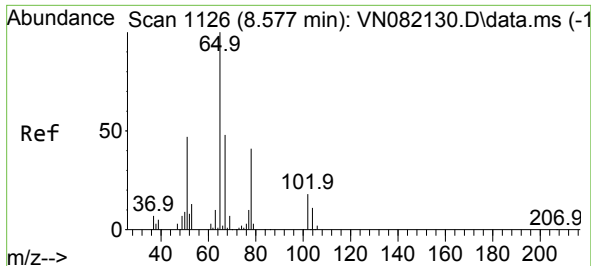
Tgt Ion: 42 Resp: 303
Ion Ratio Lower Upper
42 100
72 17.8 39.3 58.9#
71 0.0 37.4 56.0#



#31
Cyclohexane
Concen: 1.237 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

Tgt Ion: 56 Resp: 5047
Ion Ratio Lower Upper
56 100
69 123.2 24.4 36.6#
84 103.4 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 53.336 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082566.D

Acq: 13 Jun 2024 17:58

Instrument :

MSVOA_N

ClientSampleId :

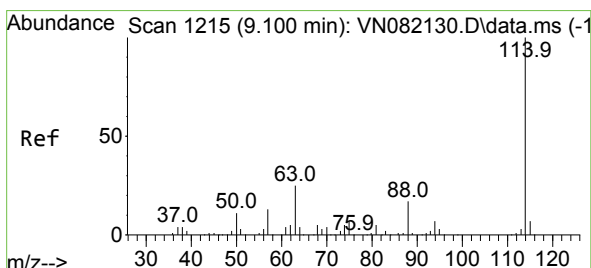
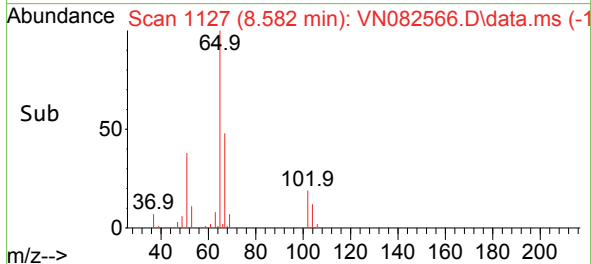
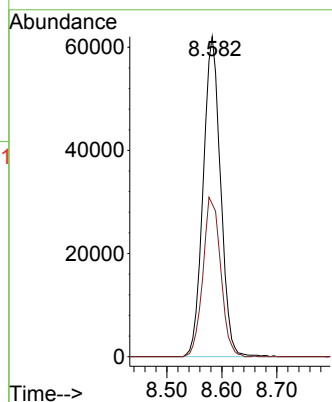
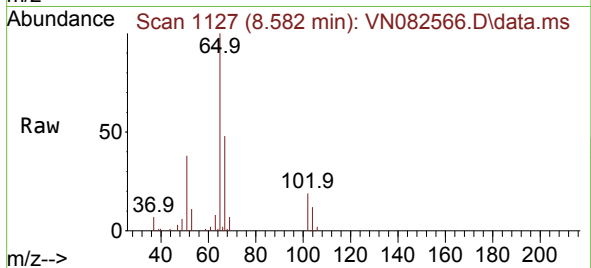
WC-H

Tgt Ion: 65 Resp: 136289

Ion Ratio Lower Upper

65 100

67 50.8 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: VN082566.D

Acq: 13 Jun 2024 17:58

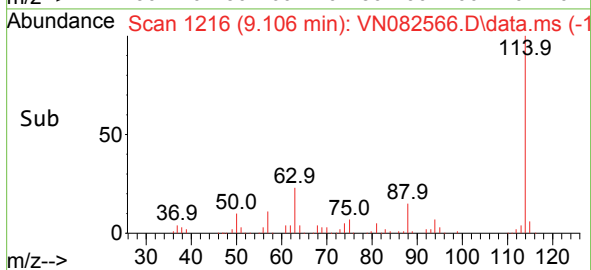
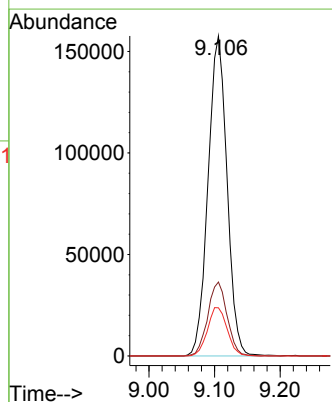
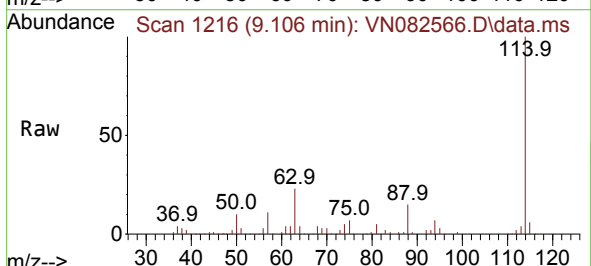
Tgt Ion: 114 Resp: 316975

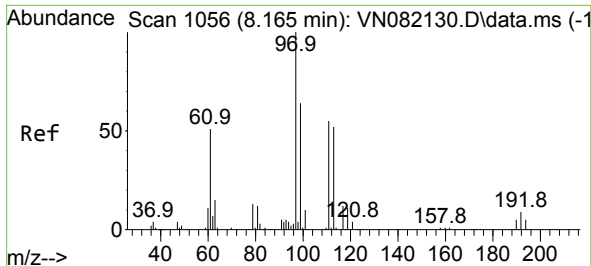
Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.0

88 15.1 0.0 31.4

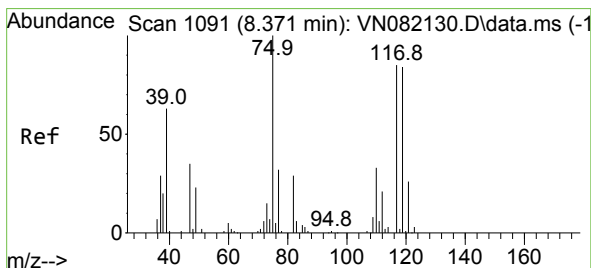
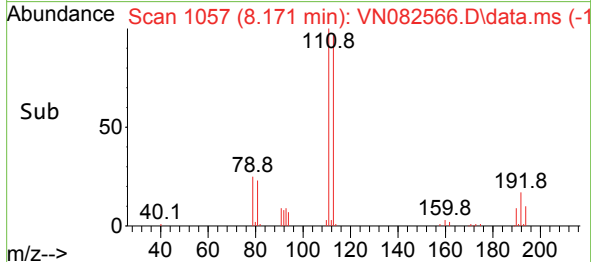
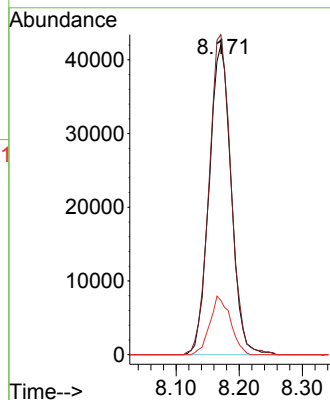
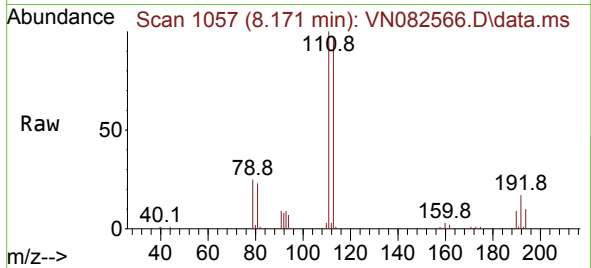




#35
Dibromofluoromethane
Concen: 52.000 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

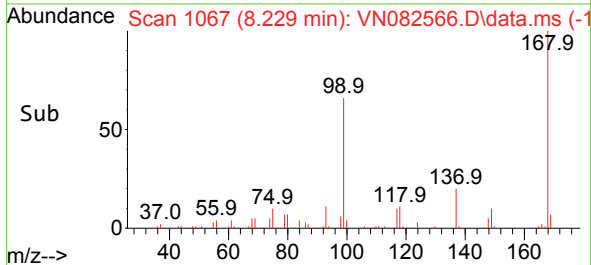
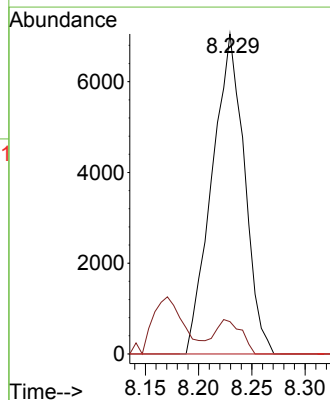
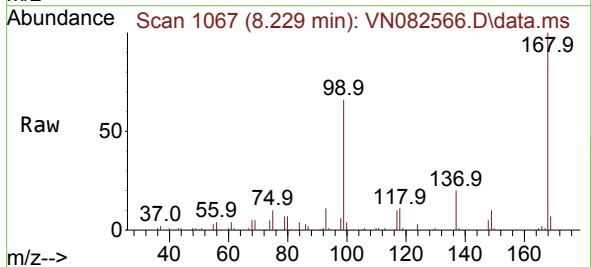
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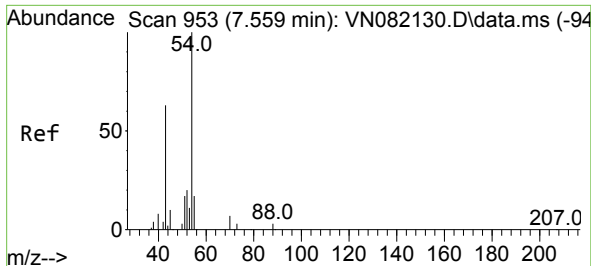
Tgt Ion:113 Resp: 101394
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 17.8 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.565 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

Tgt Ion: 75 Resp: 14929
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 25.0 37.4#

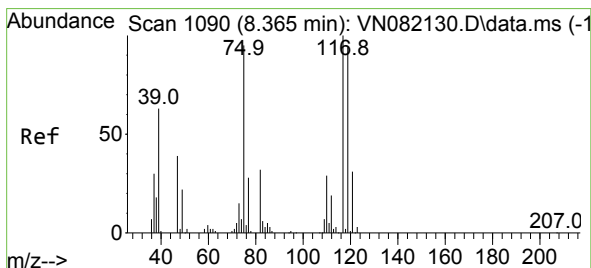
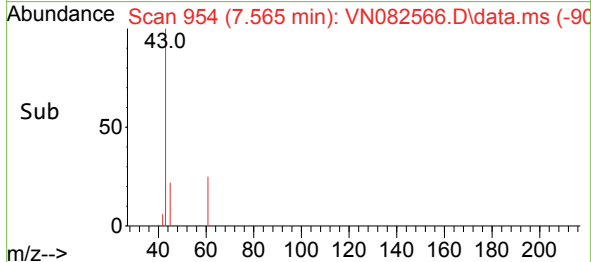
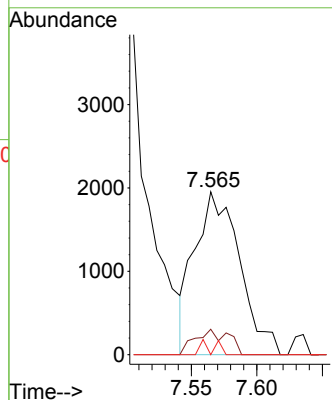
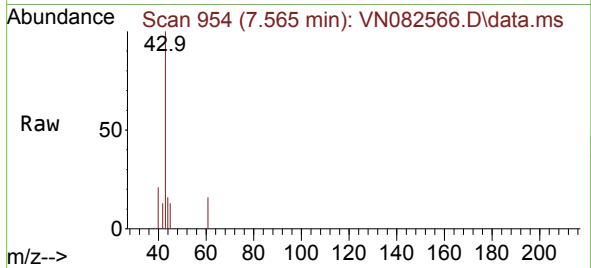




#37
Ethyl Acetate
Concen: 1.274 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

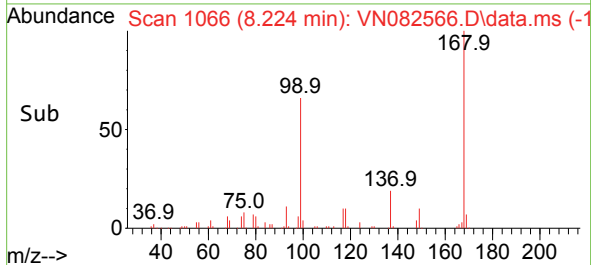
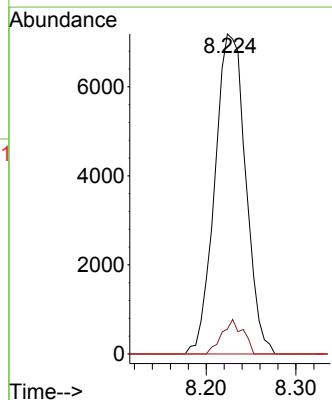
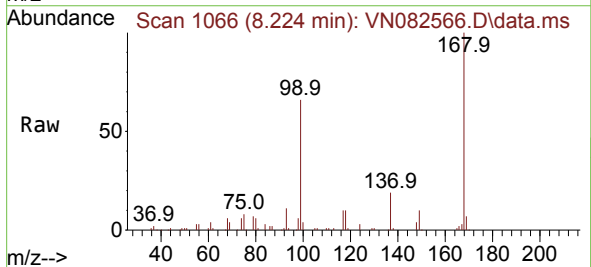
Instrument :
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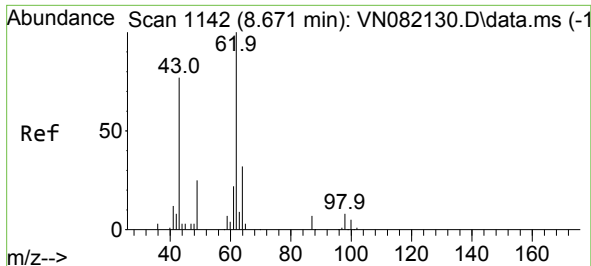
Tgt Ion: 43 Resp: 4663
Ion Ratio Lower Upper
43 100
61 11.5 11.3 16.9
70 2.7 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.168 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

Tgt Ion: 117 Resp: 17133
Ion Ratio Lower Upper
117 100
119 7.7 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.331 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082566.D

Acq: 13 Jun 2024 17:58

Instrument :

MSVOA_N

ClientSampleId :

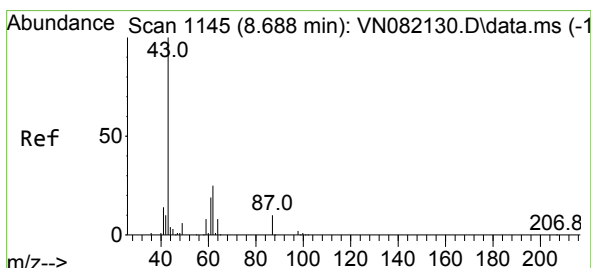
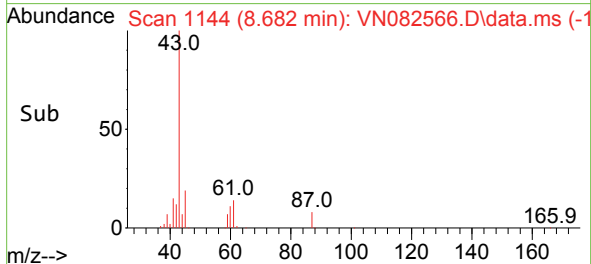
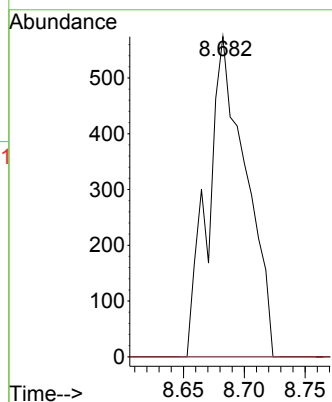
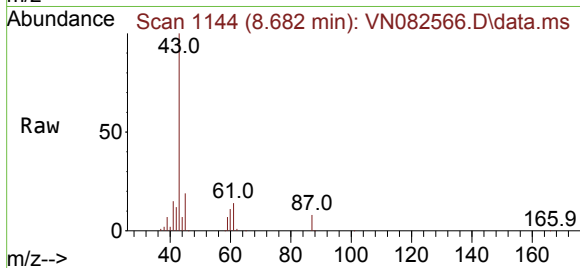
WC-H

Tgt Ion: 62 Resp: 1242

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 42.963 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082566.D

Acq: 13 Jun 2024 17:58

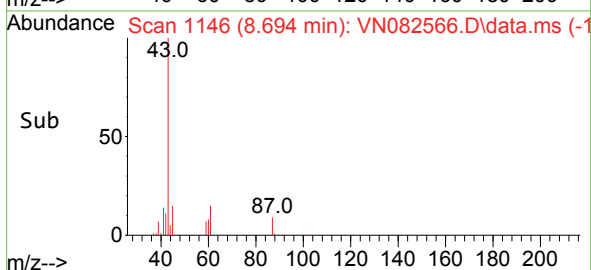
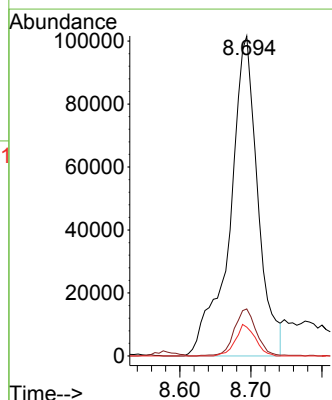
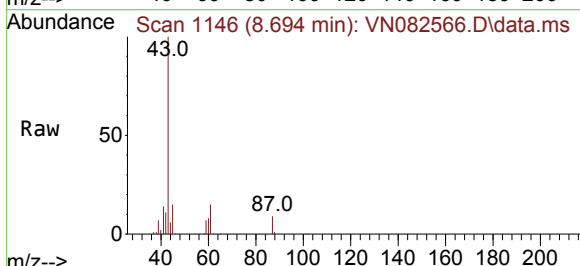
Tgt Ion: 43 Resp: 278614

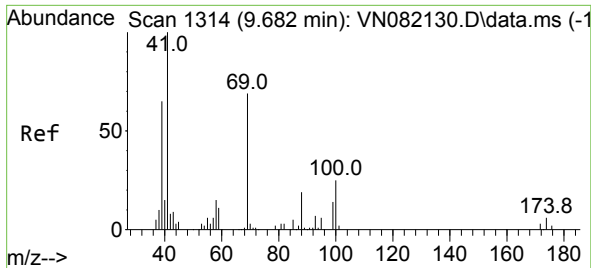
Ion Ratio Lower Upper

43 100

61 11.7 22.8 34.2#

87 7.0 12.0 18.0#

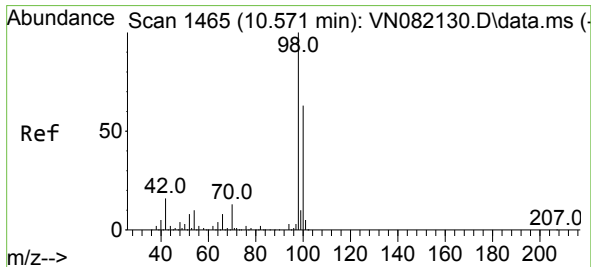
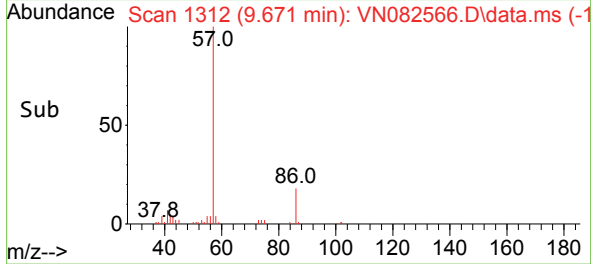
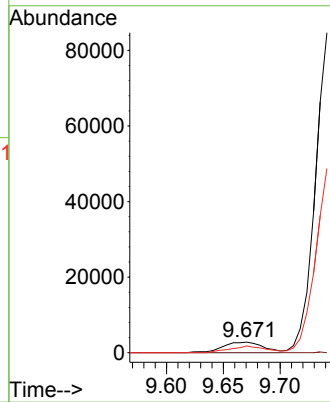
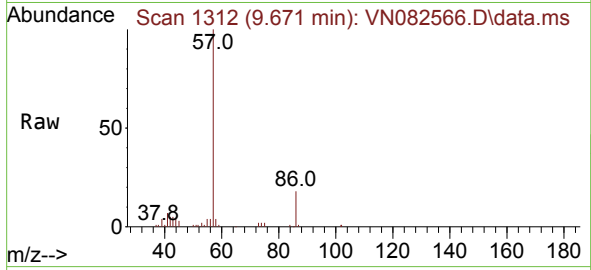




#48
Methyl methacrylate
Concen: 2.234 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

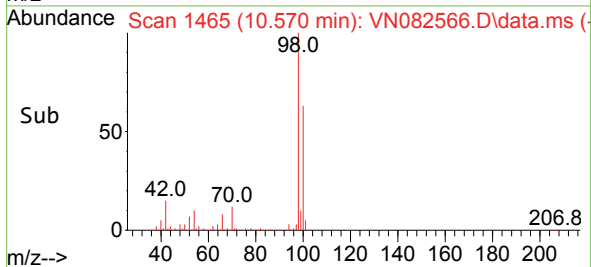
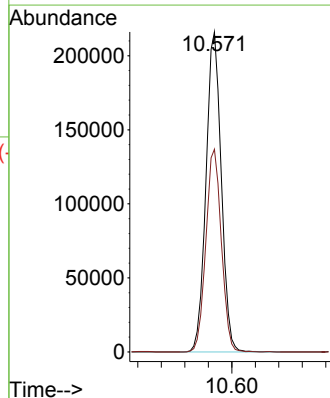
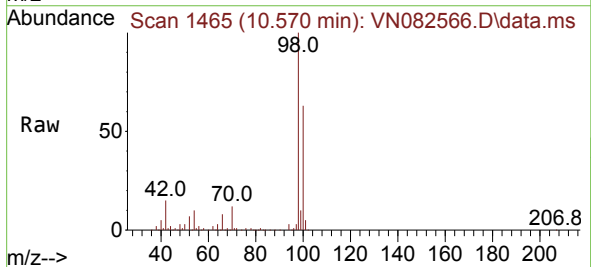
Instrument :
MSVOA_N
ClientSampleId :
WC-H

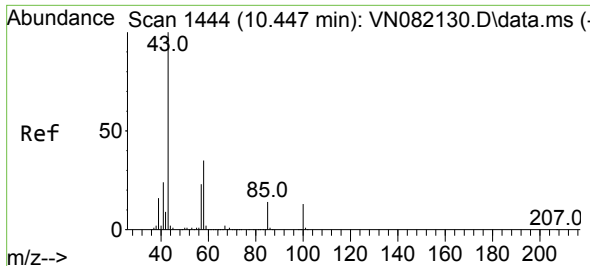
Tgt Ion: 41 Resp: 6904
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 54.9 50.9 76.3



#50
Toluene-d8
Concen: 52.189 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

Tgt Ion: 98 Resp: 390149
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6

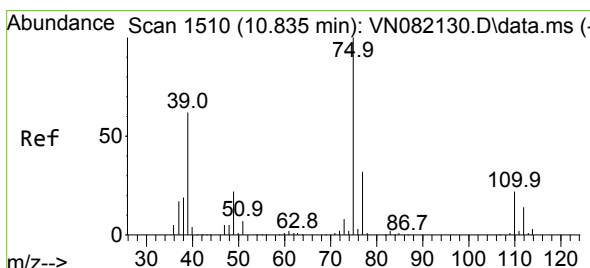
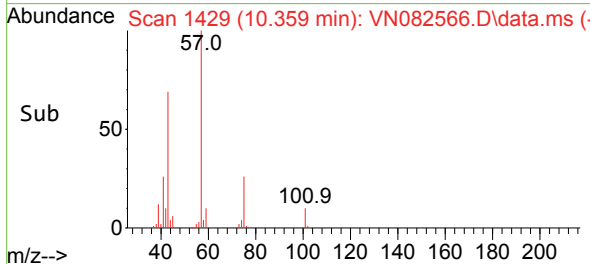
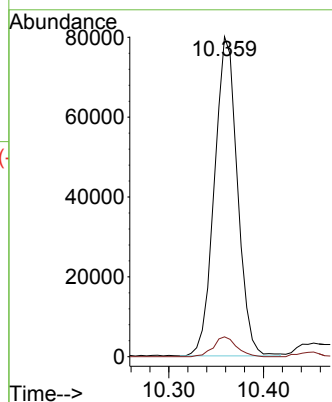
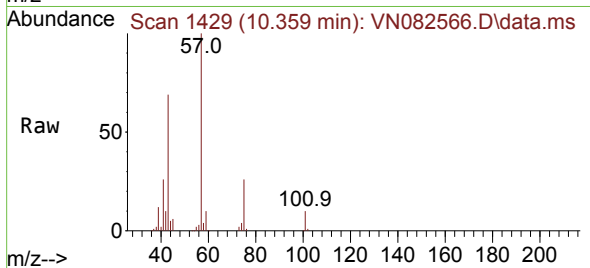




#51
4-Methyl-2-Pentanone
Concen: 36.603 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

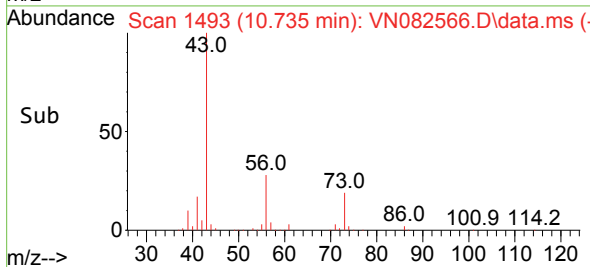
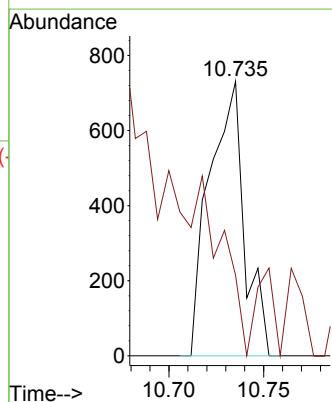
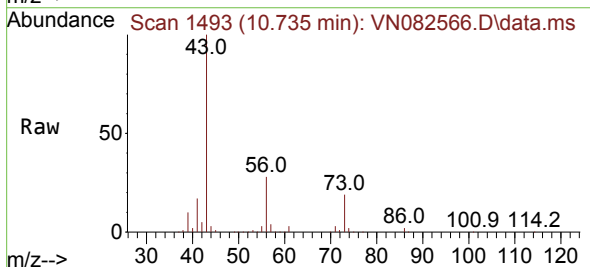
Instrument :
MSVOA_N
ClientSampleId :
WC-H

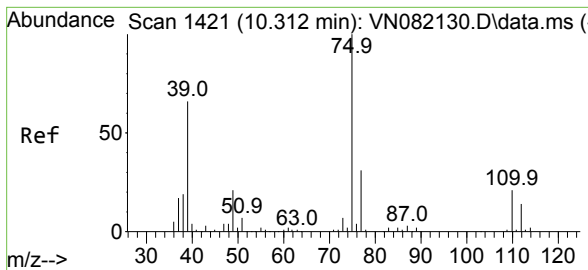
Tgt Ion: 43 Resp: 134867
Ion Ratio Lower Upper
43 100
58 6.2 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.260 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

Tgt Ion: 75 Resp: 937
Ion Ratio Lower Upper
75 100
77 29.4 25.4 38.0

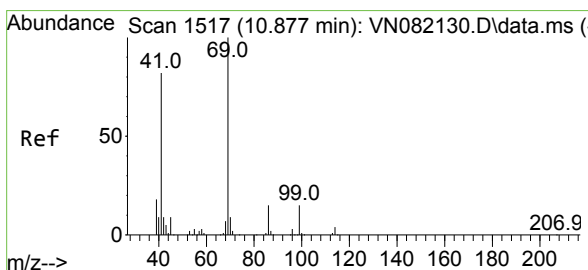
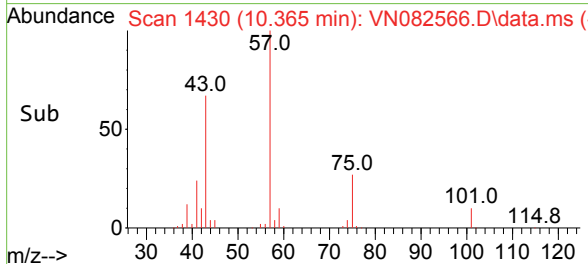
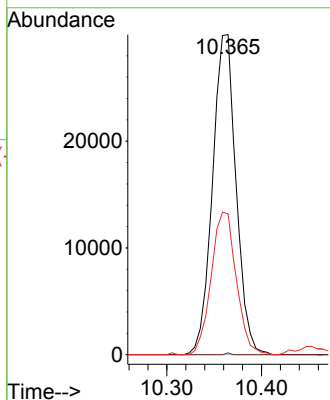
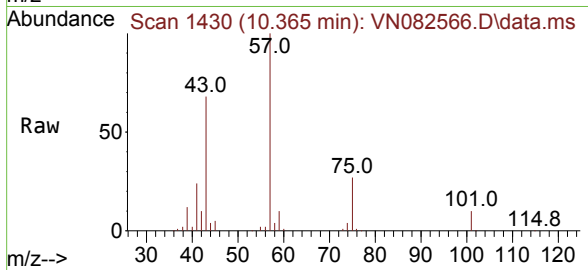




#54
 cis-1,3-Dichloropropene
 Concen: 13.593 ug/l
 RT: 10.365 min Scan# 1421
 Delta R.T. 0.053 min
 Lab File: VN082566.D
 Acq: 13 Jun 2024 17:58

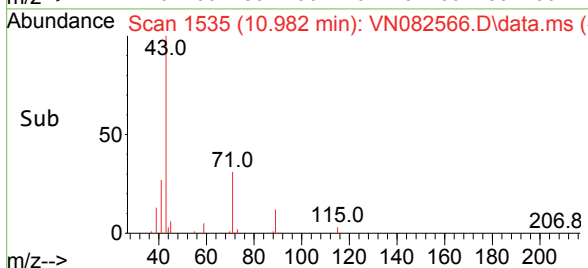
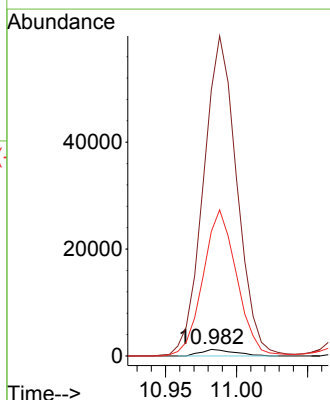
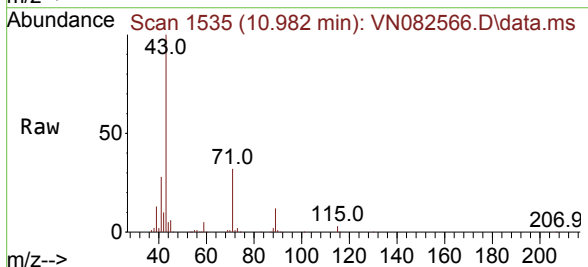
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-H

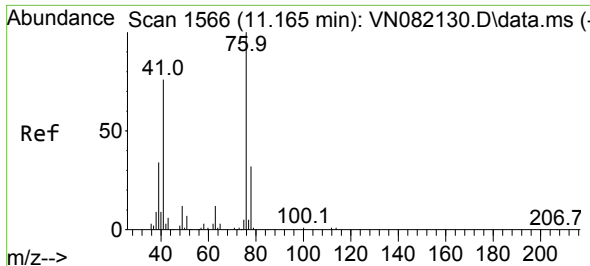
Tgt Ion: 75 Resp: 51893
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 44.0 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.557 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082566.D
 Acq: 13 Jun 2024 17:58

Tgt Ion: 69 Resp: 2012
 Ion Ratio Lower Upper
 69 100
 41 4897.4 46.6 70.0#
 39 2250.7 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.646 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN082566.D

Acq: 13 Jun 2024 17:58

Instrument :

MSVOA_N

ClientSampleId :

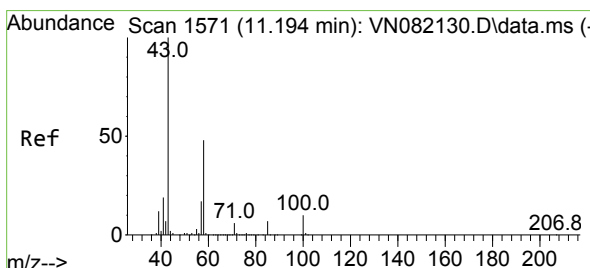
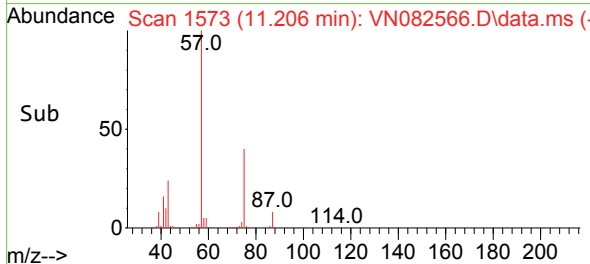
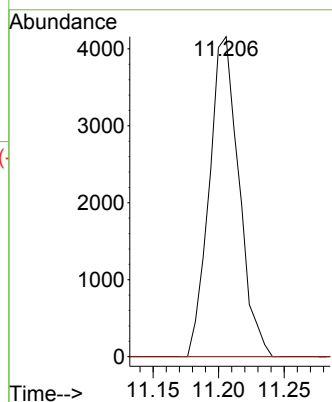
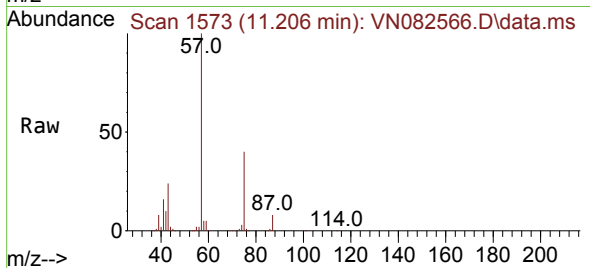
WC-H

Tgt Ion: 76 Resp: 6546

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 56.063 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082566.D

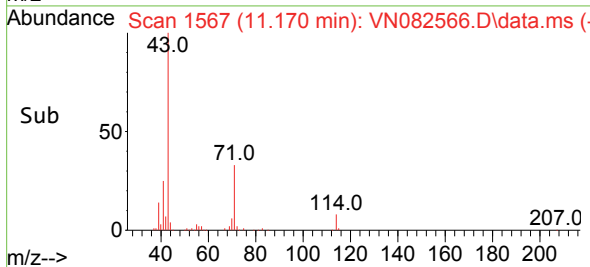
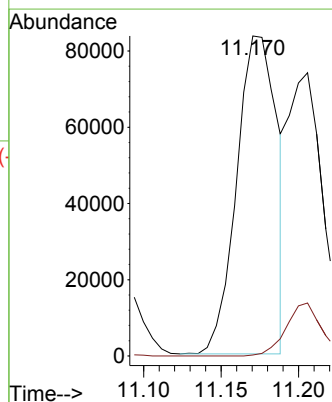
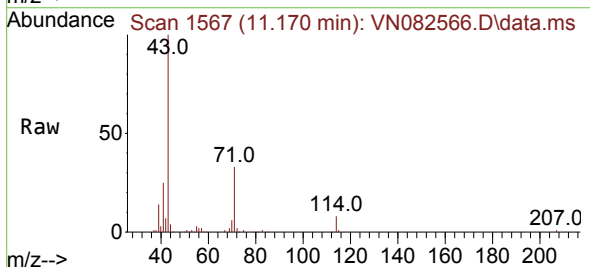
Acq: 13 Jun 2024 17:58

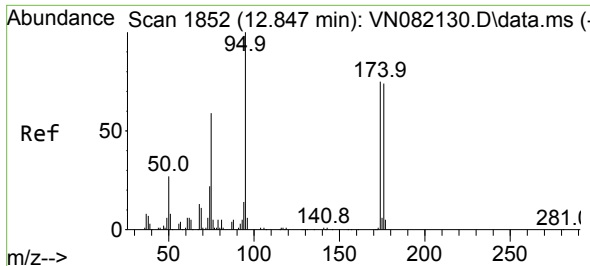
Tgt Ion: 43 Resp: 151249

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

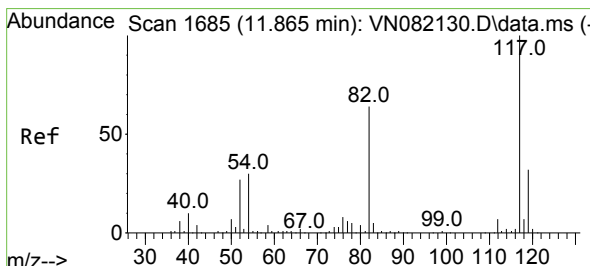
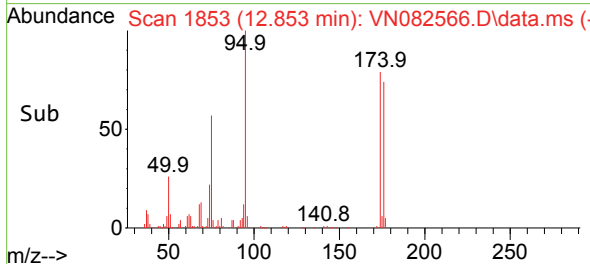
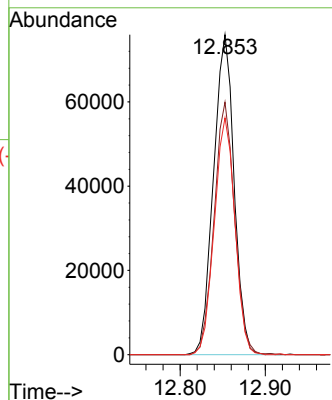
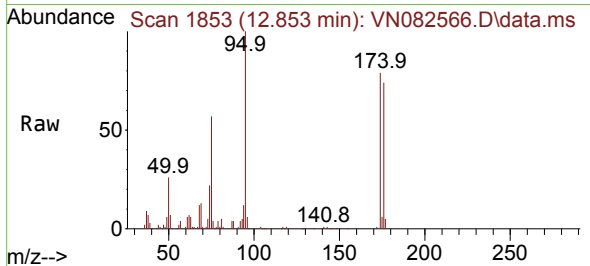




#62
4-Bromofluorobenzene
Concen: 47.791 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

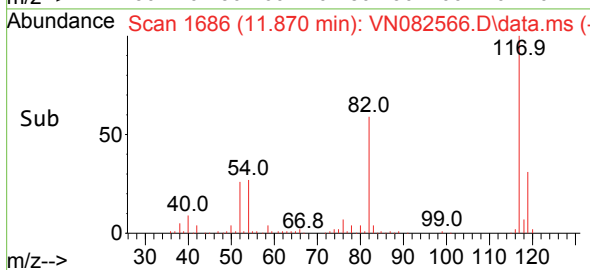
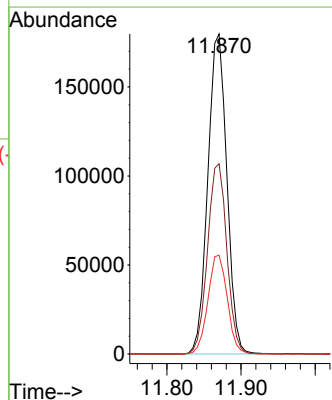
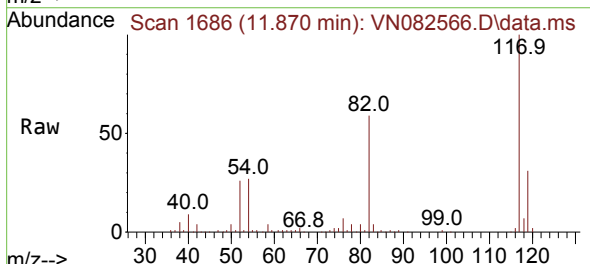
Instrument :
MSVOA_N
ClientSampleId :
WC-H

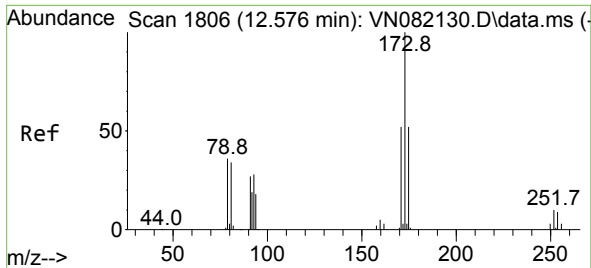
Tgt Ion: 95 Resp: 127519
Ion Ratio Lower Upper
95 100
174 78.8 0.0 160.6
176 74.1 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

Tgt Ion: 117 Resp: 321121
Ion Ratio Lower Upper
117 100
82 59.4 44.6 66.8
119 30.8 25.9 38.9

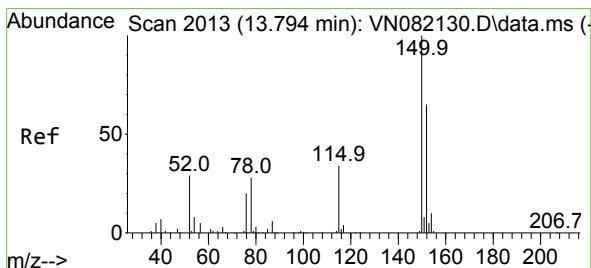
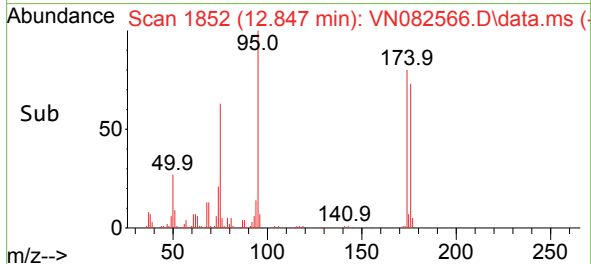
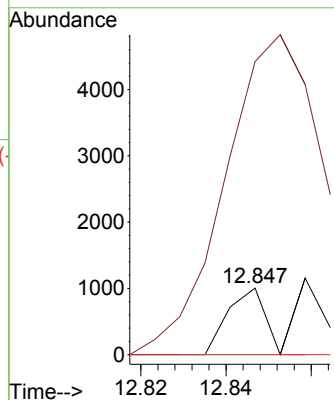
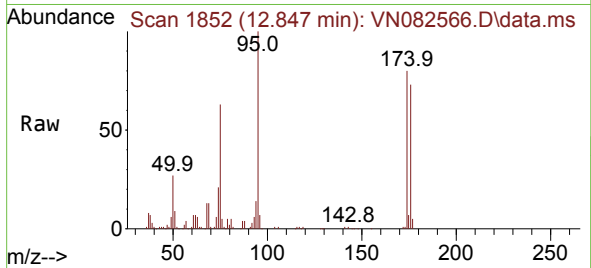




#71
Bromoform
Concen: 1.024 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

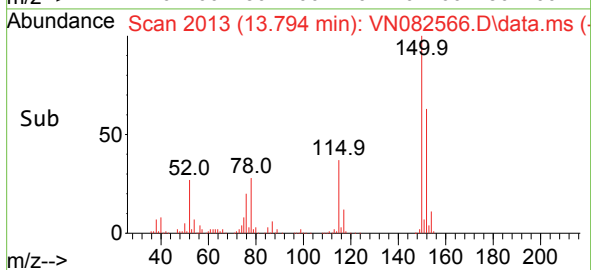
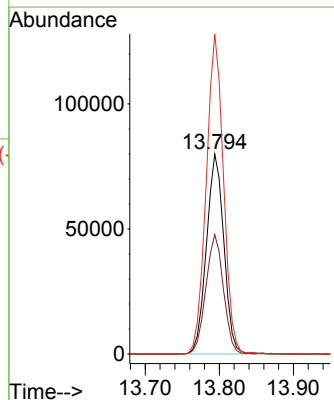
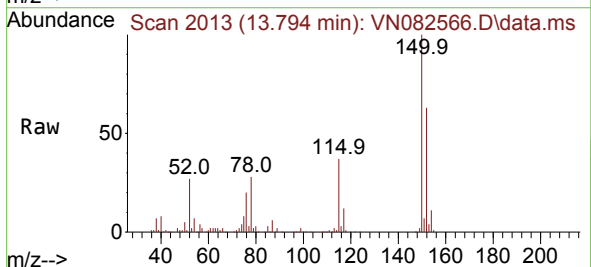
Instrument :
MSVOA_N
ClientSampleId :
WC-H

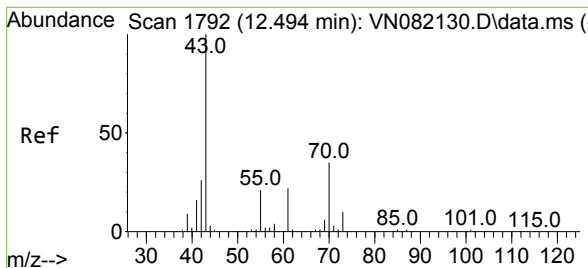
Tgt Ion:173 Resp: 608
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

Tgt Ion:152 Resp: 130601
Ion Ratio Lower Upper
152 100
115 60.1 30.4 91.3
150 158.2 0.0 353.2

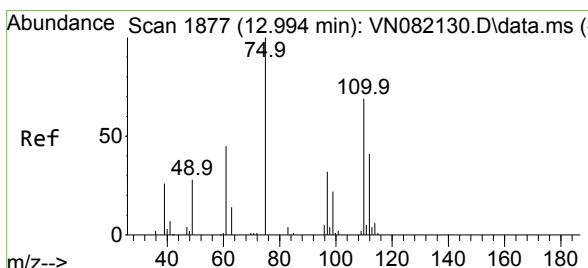
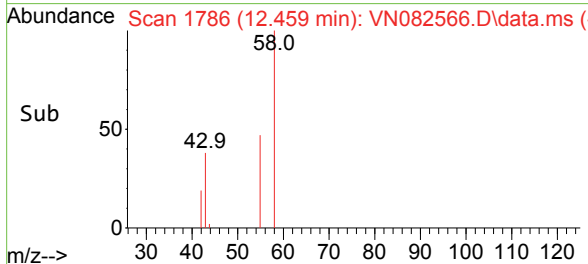
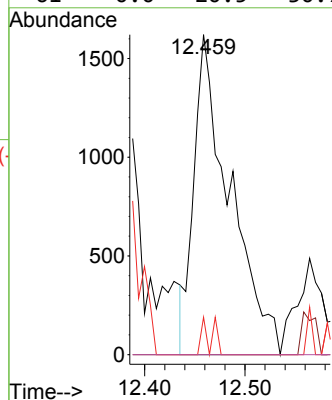
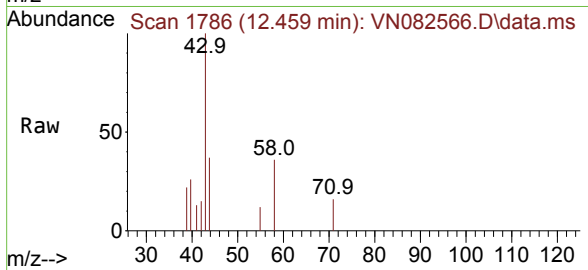




#74
N-amy1 acetate
Concen: 0.705 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

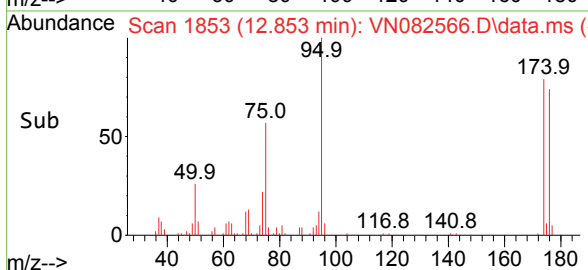
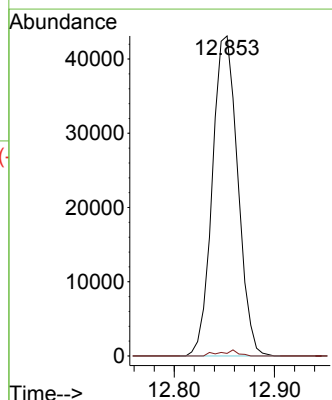
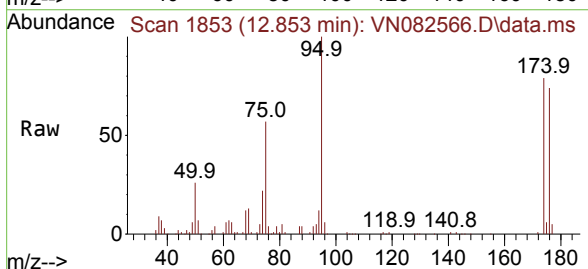
Instrument :
MSVOA_N
ClientSampleId :
WC-H

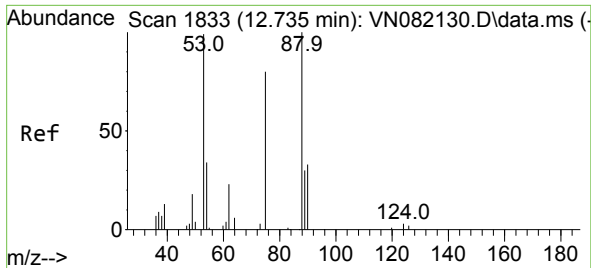
Tgt Ion: 43	Resp: 4021
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 3.3	21.3 31.9#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 27.603 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082566.D
Acq: 13 Jun 2024 17:58

Tgt Ion: 75	Resp: 75877
Ion Ratio	Lower Upper
75 100	
77 1.3	90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.563 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN082566.D
 Acq: 13 Jun 2024 17:58

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-H

Tgt Ion: 75 Resp: 75877
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.9 109.3#
 89 0.0 39.1 58.7#

