

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086115.D
 Acq On : 25 Mar 2025 21:04
 Operator : JC\MD
 Sample : Q1636-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: Mar 26 03:27:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

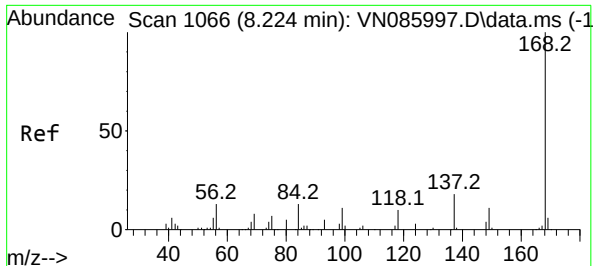
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	173011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	321904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134485	56.766	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.540%
35) Dibromofluoromethane	8.165	113	114986	51.177	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.360%
50) Toluene-d8	10.565	98	422820	51.851	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.700%
62) 4-Bromofluorobenzene	12.847	95	132958	45.719	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.440%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	1324	3.947	ug/l #	73
13) Acrolein	4.183	56	74	0.207	ug/l #	15
16) Acetone	4.430	43	90782	125.427	ug/l	99
18) Methyl Acetate	5.024	43	4287	2.394	ug/l #	69
20) Methylene Chloride	5.277	84	5090	2.404	ug/l #	93
25) 2-Butanone	7.483	43	11789	11.288	ug/l #	85
29) Tetrahydrofuran	7.841	42	517	0.802	ug/l #	33
31) Cyclohexane	8.230	56	3632	1.230	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14200	4.800	ug/l #	50
37) Ethyl Acetate	7.559	43	565	0.226	ug/l #	64
38) Carbon Tetrachloride	8.218	117	18115	4.657	ug/l #	18
43) Isopropyl Acetate	8.688	43	29222	5.403	ug/l #	71
45) 1,2-Dichloropropane	9.735	63	878	0.416	ug/l #	44
48) Methyl methacrylate	9.741	41	56918	31.891	ug/l #	33
51) 4-Methyl-2-Pentanone	10.435	43	8678	3.638	ug/l #	79
54) cis-1,3-Dichloropropene	10.353	75	22893	6.435	ug/l #	67
56) Ethyl methacrylate	10.977	69	807	0.482	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	2468	0.668	ug/l #	42
59) 2-Hexanone	11.200	43	42730	24.590	ug/l #	42
74) N-amyl acetate	12.453	43	2279	0.835	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	66277	24.773	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66277	65.496	ug/l #	16

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

Quant Time: Mar 26 03:27:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
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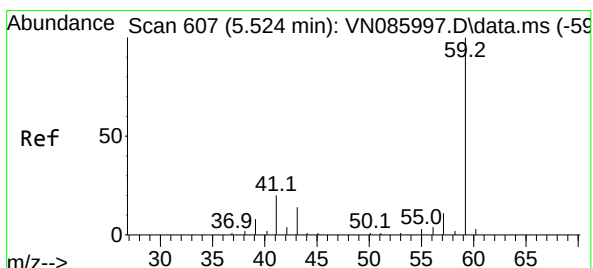
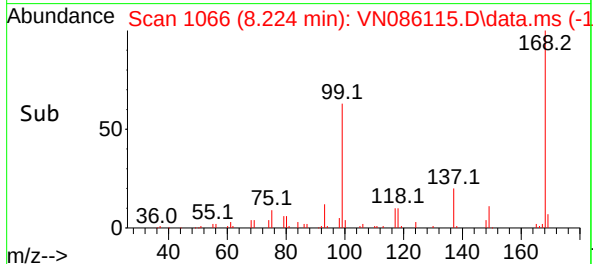
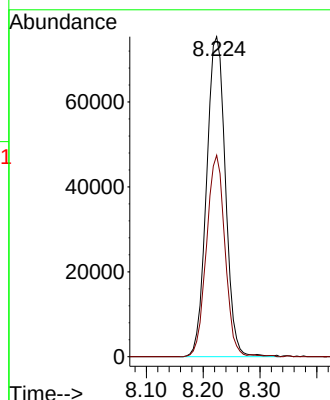
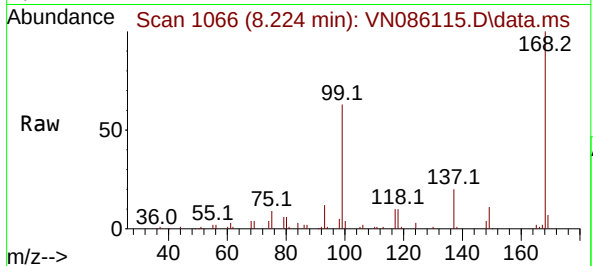




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

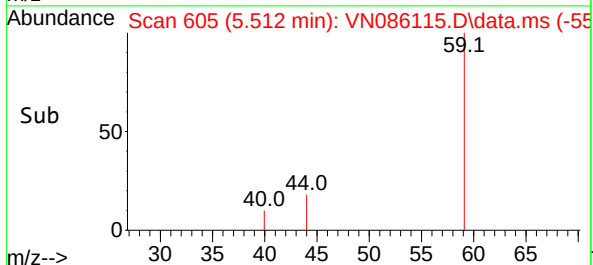
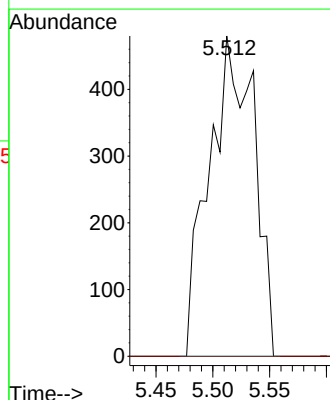
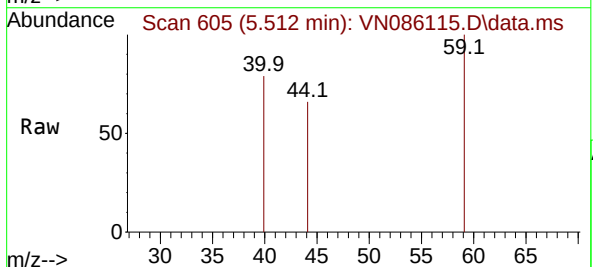
Instrument :
MSVOA_N
ClientSampleId :
WC-1

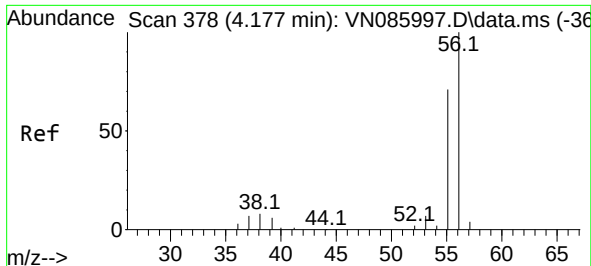
Tgt Ion:168 Resp: 173011
Ion Ratio Lower Upper
168 100
99 63.0 49.4 74.2



#11
Tert butyl alcohol
Concen: 3.947 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

Tgt Ion: 59 Resp: 1324
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

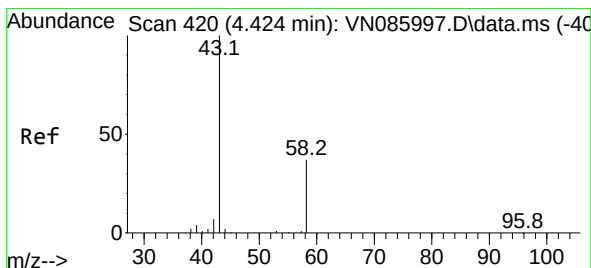
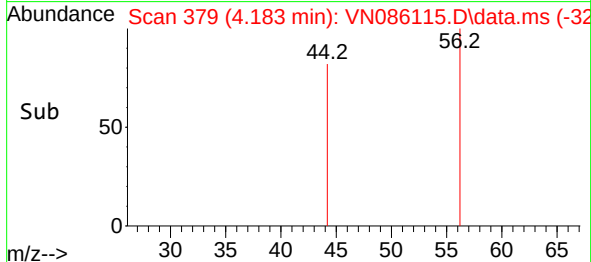
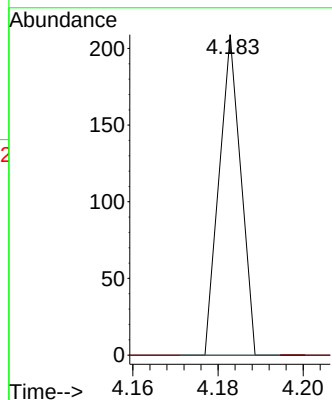
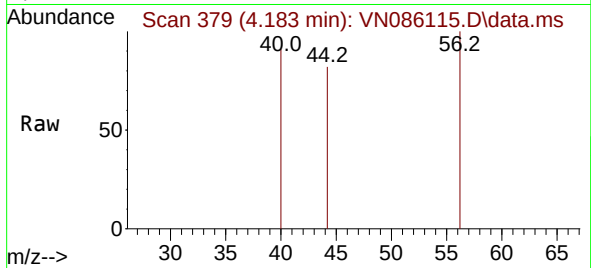




#13
Acrolein
Concen: 0.207 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

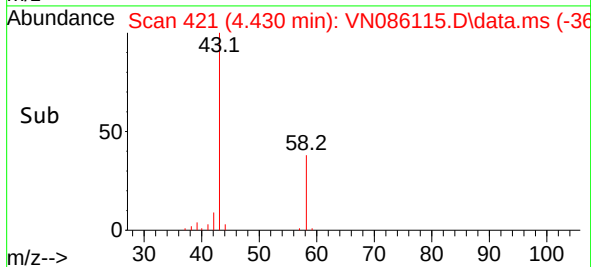
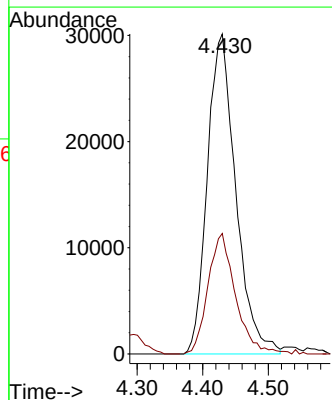
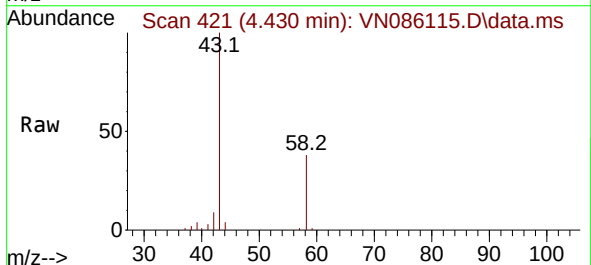
Instrument :
MSVOA_N
ClientSampleId :
WC-1

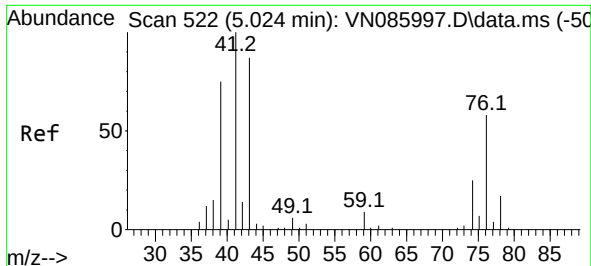
Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: 125.427 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

Tgt Ion: 43 Resp: 90782
Ion Ratio Lower Upper
43 100
58 37.7 29.4 44.2

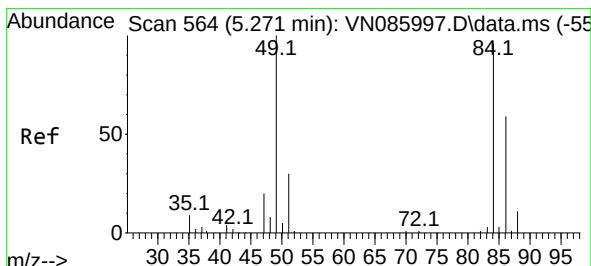
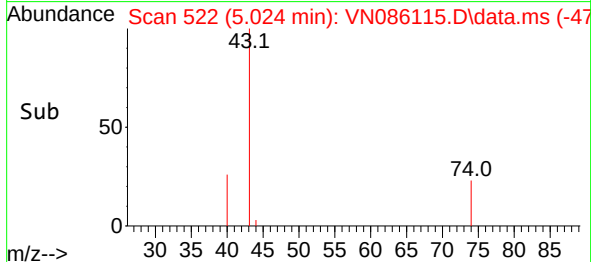
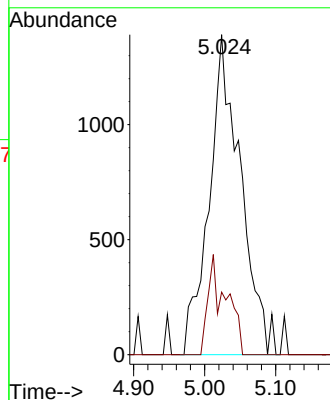
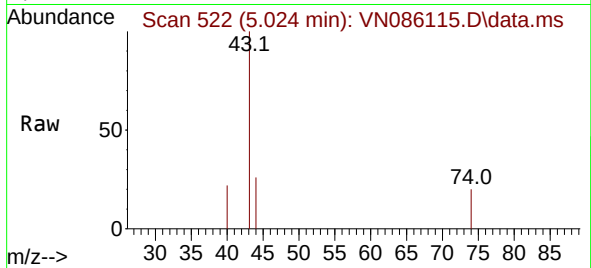




#18
Methyl Acetate
Concen: 2.394 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

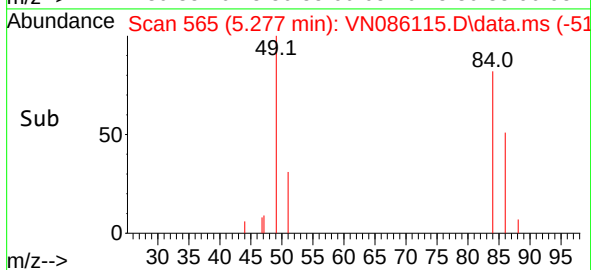
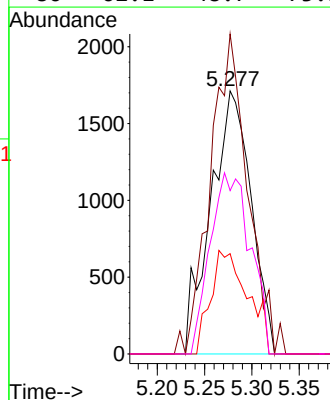
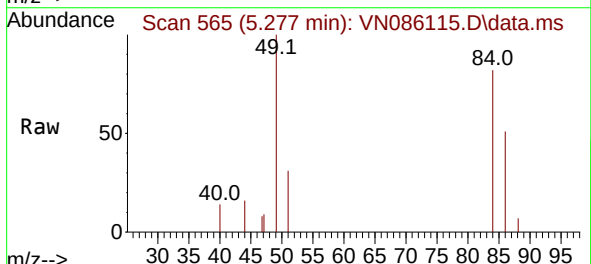
Instrument :
MSVOA_N
ClientSampleId :
WC-1

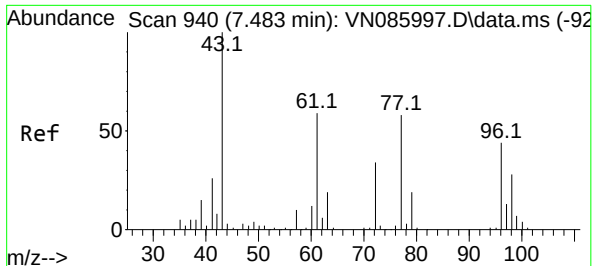
Tgt Ion: 43 Resp: 4287
Ion Ratio Lower Upper
43 100
74 12.9 23.9 35.9#



#20
Methylene Chloride
Concen: 2.404 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

Tgt Ion: 84 Resp: 5090
Ion Ratio Lower Upper
84 100
49 112.9 83.3 124.9
51 38.1 24.8 37.2#
86 62.1 48.7 73.1

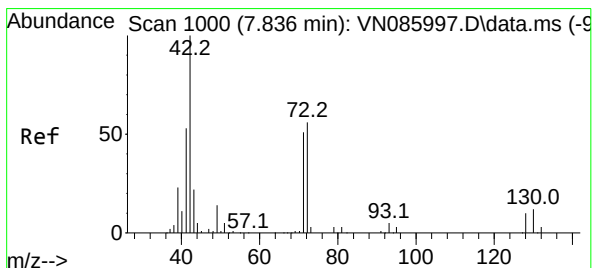
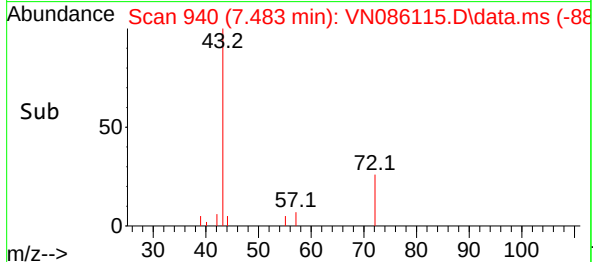
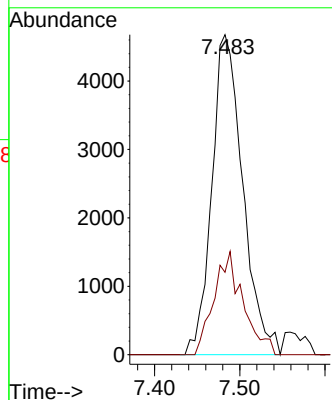
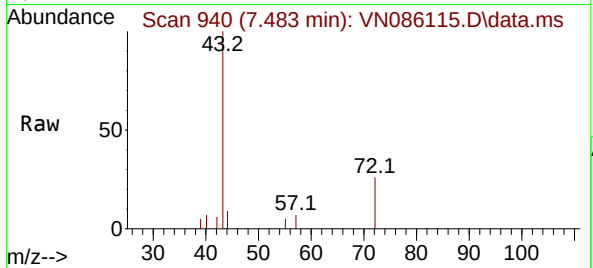




#25
2-Butanone
Concen: 11.288 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

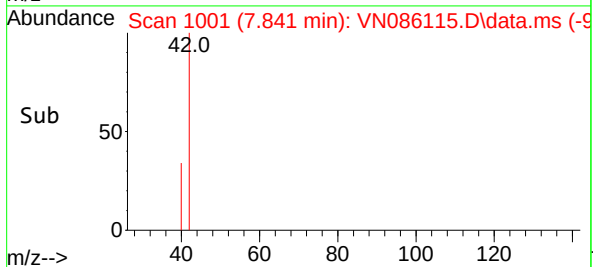
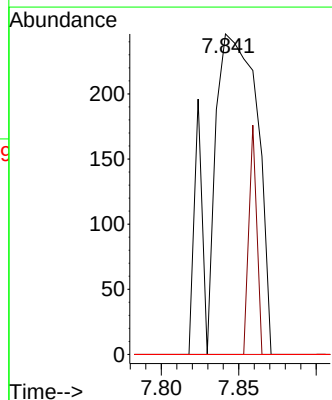
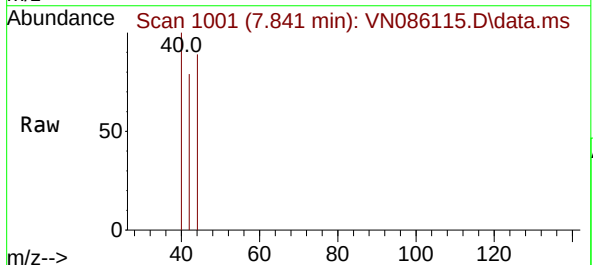
Instrument :
MSVOA_N
ClientSampleId :
WC-1

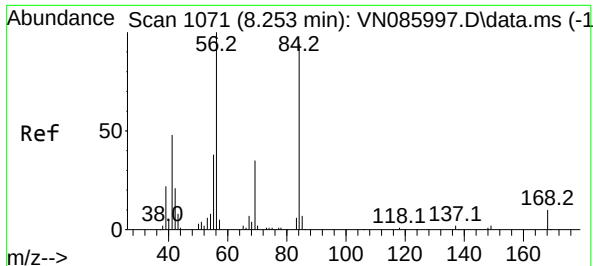
Tgt Ion: 43 Resp: 11789
Ion Ratio Lower Upper
43 100
72 25.7 27.4 41.0#



#29
Tetrahydrofuran
Concen: 0.802 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

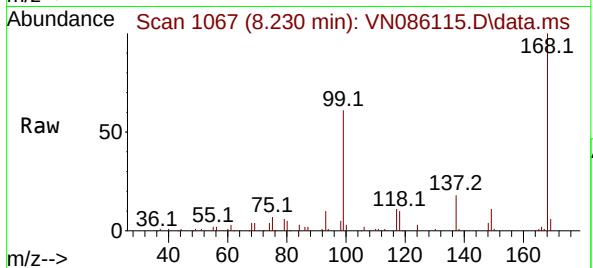
Tgt Ion: 42 Resp: 517
Ion Ratio Lower Upper
42 100
72 12.0 45.0 67.4#
71 0.0 41.9 62.9#



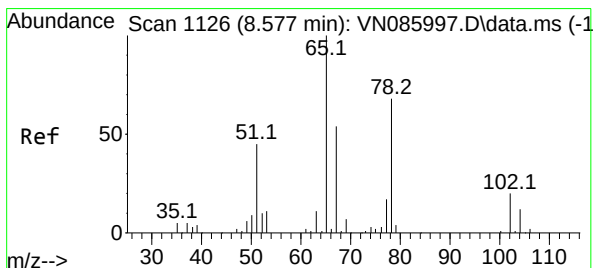
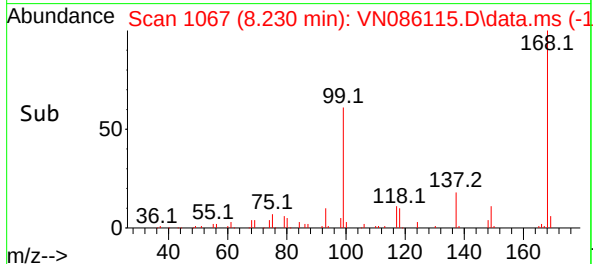
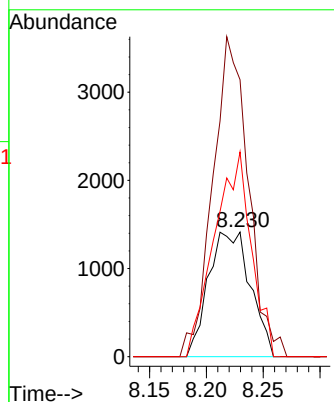


#31
Cyclohexane
Concen: 1.230 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

Instrument :
MSVOA_N
ClientSampleId :
WC-1

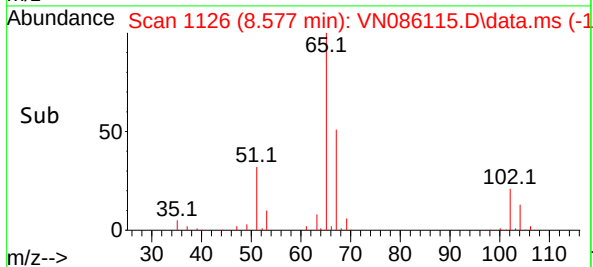
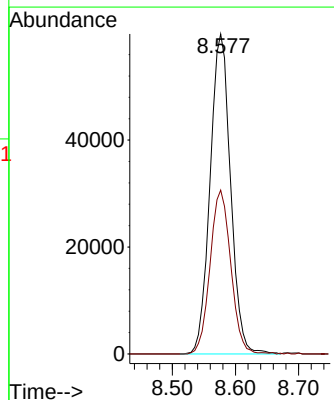
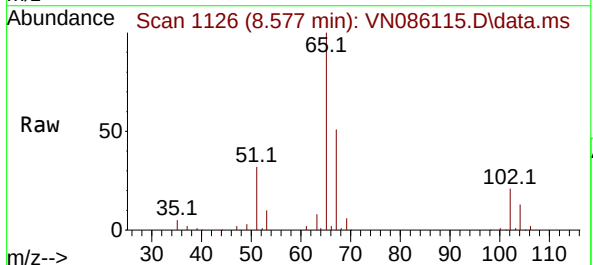


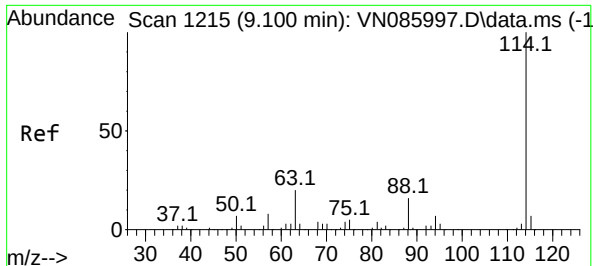
Tgt Ion: 56 Resp: 3632
Ion Ratio Lower Upper
56 100
69 222.3 28.0 42.0#
84 164.5 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 56.766 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

Tgt Ion: 65 Resp: 134485
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086115.D

Acq: 25 Mar 2025 21:04

Instrument :

MSVOA_N

ClientSampleId :

WC-1

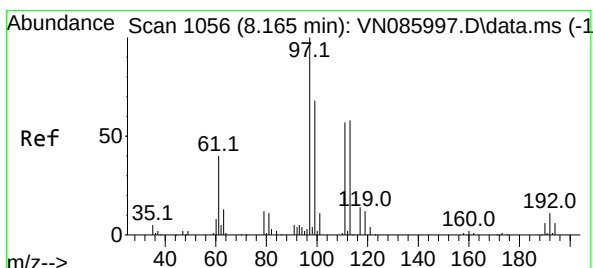
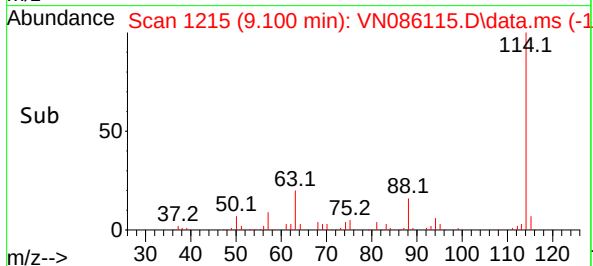
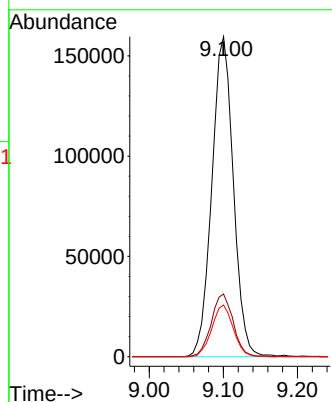
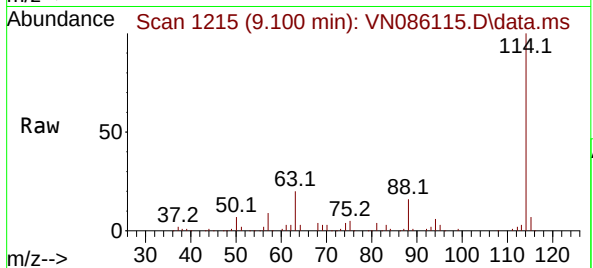
Tgt Ion:114 Resp: 321904

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.177 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086115.D

Acq: 25 Mar 2025 21:04

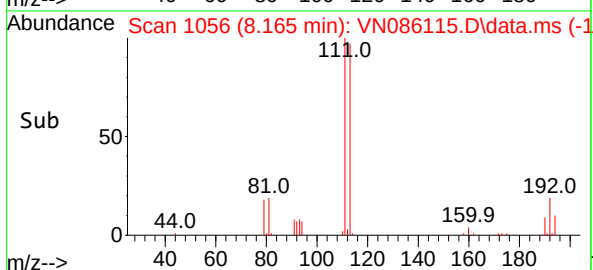
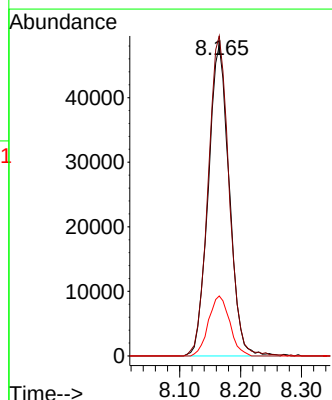
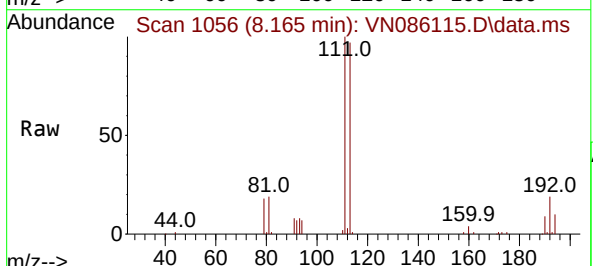
Tgt Ion:113 Resp: 114986

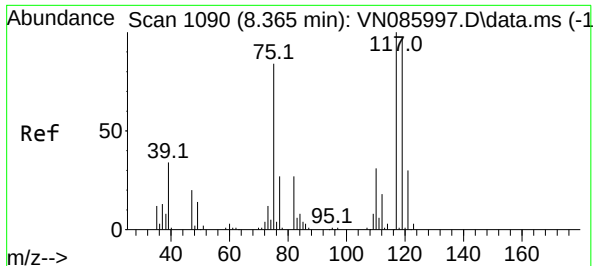
Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

192 19.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.800 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN086115.D

Acq: 25 Mar 2025 21:04

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MSVOA_N

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WC-1

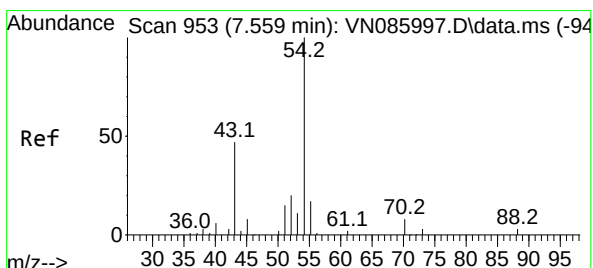
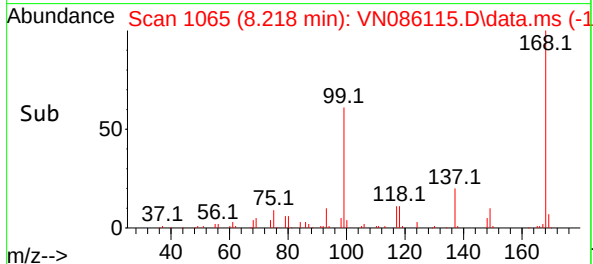
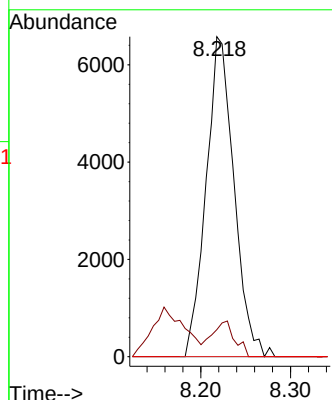
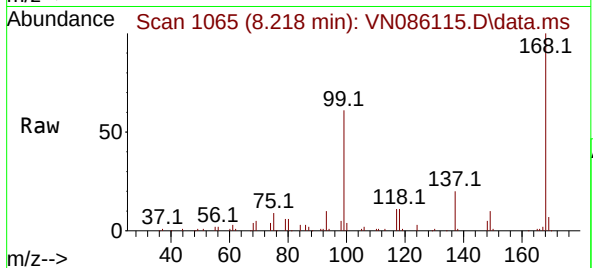
Tgt Ion: 75 Resp: 14200

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.226 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN086115.D

Acq: 25 Mar 2025 21:04

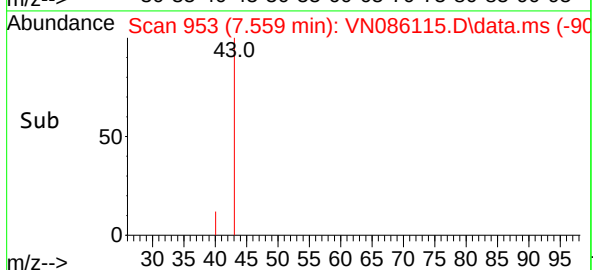
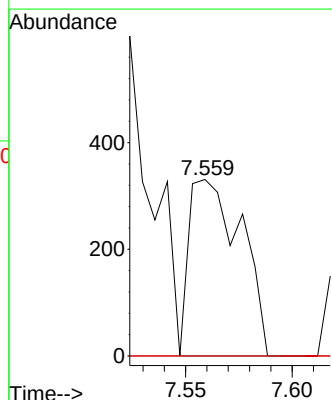
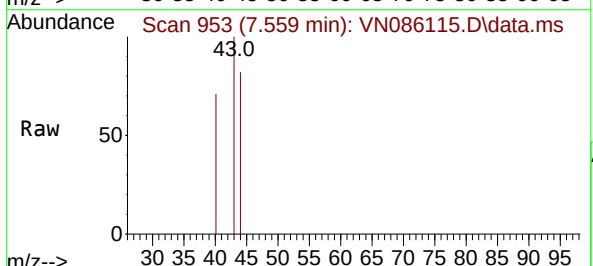
Tgt Ion: 43 Resp: 565

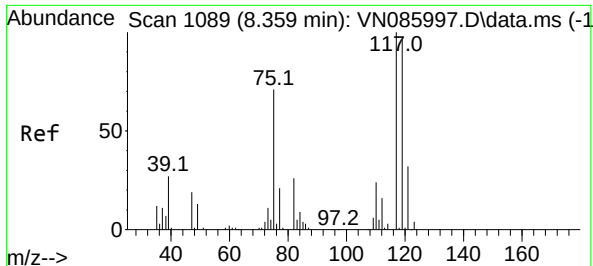
Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 11.0 16.6#

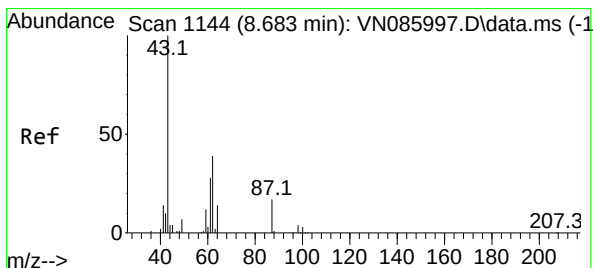
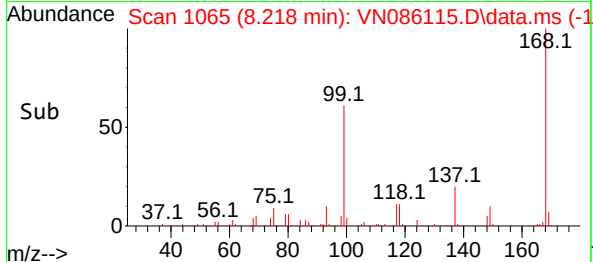
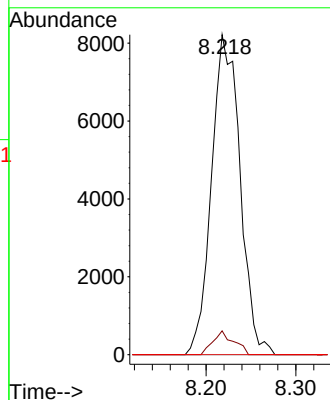
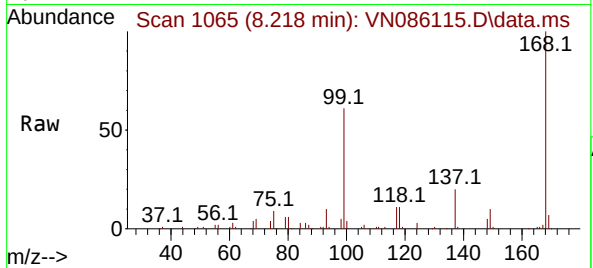




#38
Carbon Tetrachloride
Concen: 4.657 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

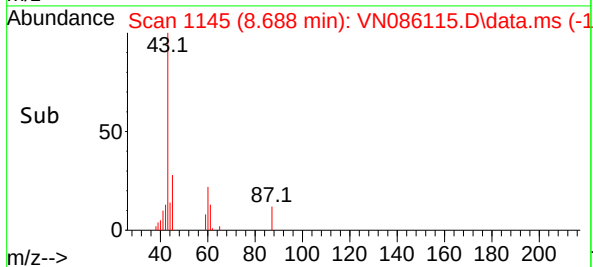
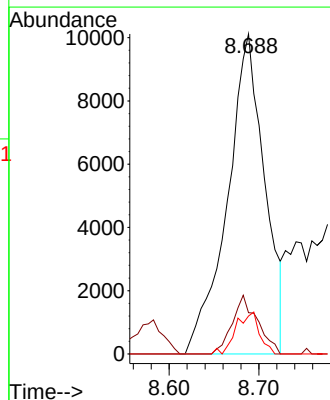
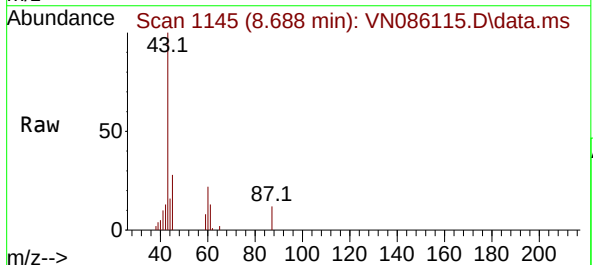
Instrument :
MSVOA_N
ClientSampleId :
WC-1

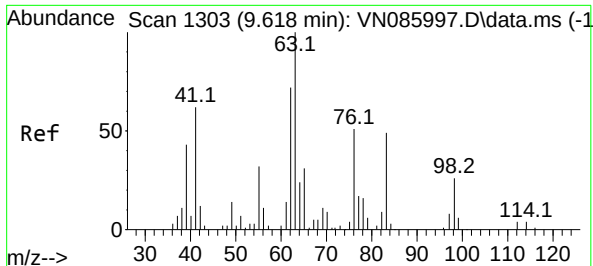
Tgt Ion:117 Resp: 18115
Ion Ratio Lower Upper
117 100
119 7.5 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 5.403 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

Tgt Ion: 43 Resp: 29222
Ion Ratio Lower Upper
43 100
61 12.5 25.0 37.6#
87 8.2 13.0 19.4#





#45

1,2-Dichloropropane

Concen: 0.416 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN086115.D

Acq: 25 Mar 2025 21:04

Instrument :

MSVOA_N

ClientSampleId :

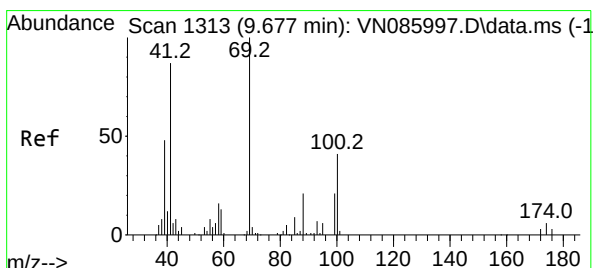
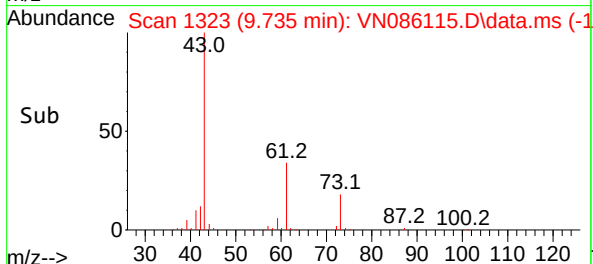
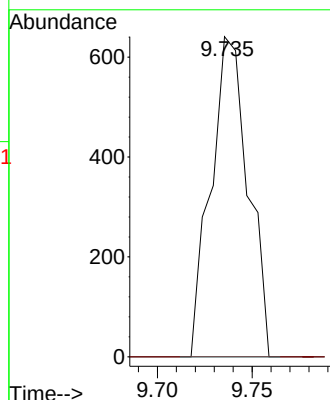
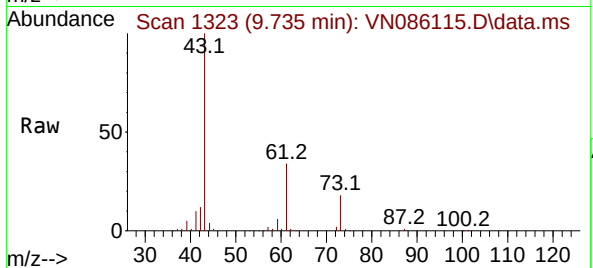
WC-1

Tgt Ion: 63 Resp: 878

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 31.891 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086115.D

Acq: 25 Mar 2025 21:04

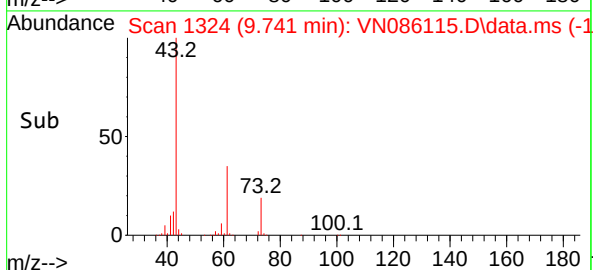
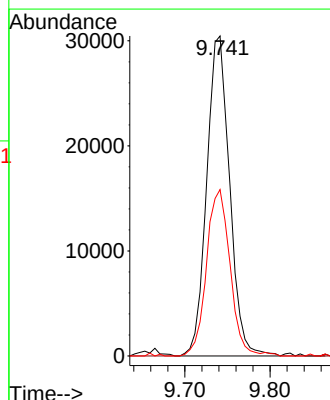
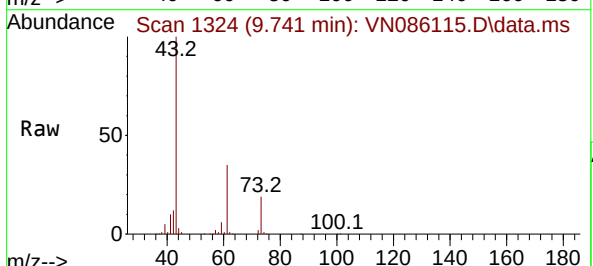
Tgt Ion: 41 Resp: 56918

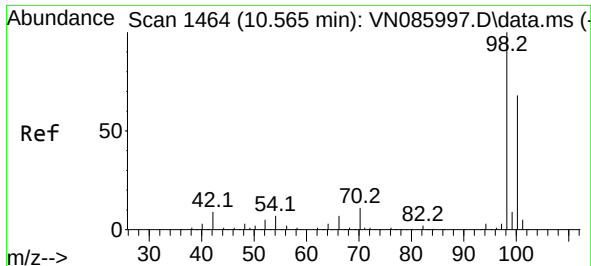
Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 53.7 45.6 68.4

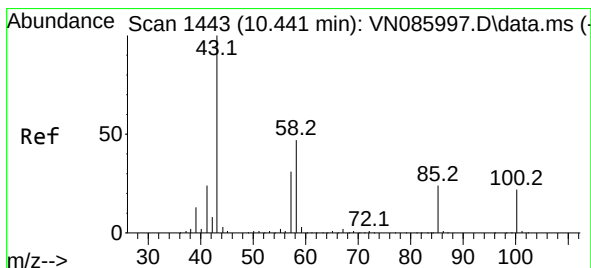
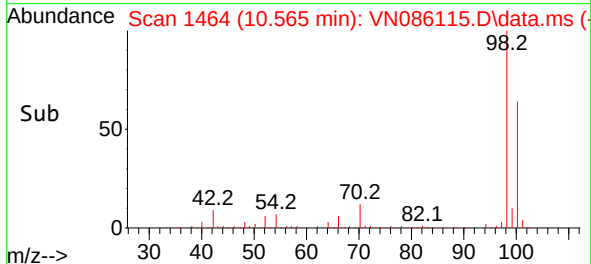
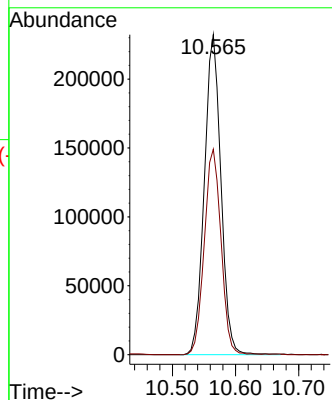
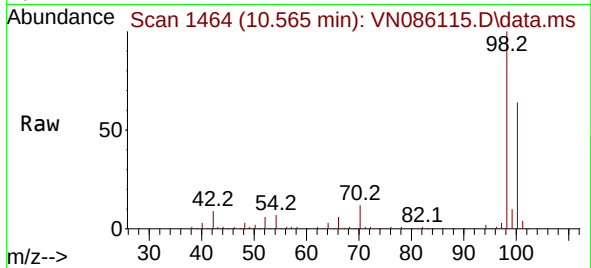




#50
Toluene-d8
Concen: 51.851 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

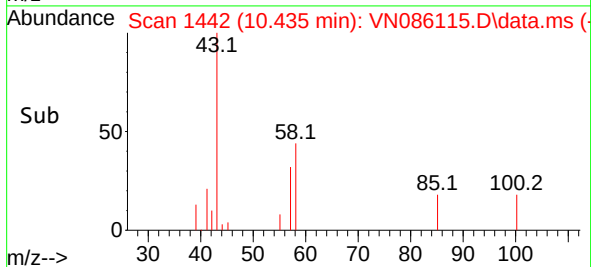
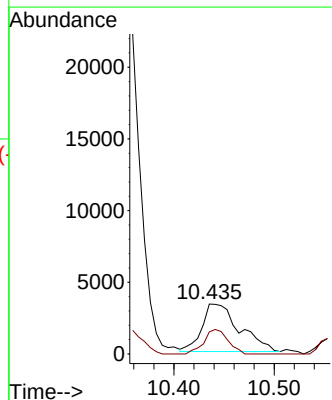
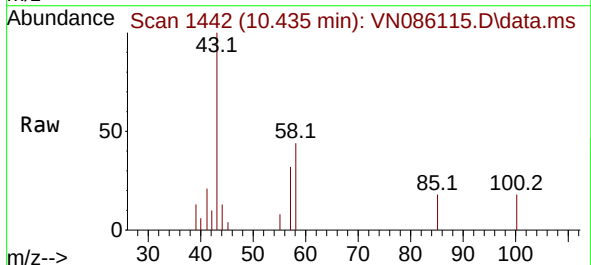
Instrument :
MSVOA_N
ClientSampleId :
WC-1

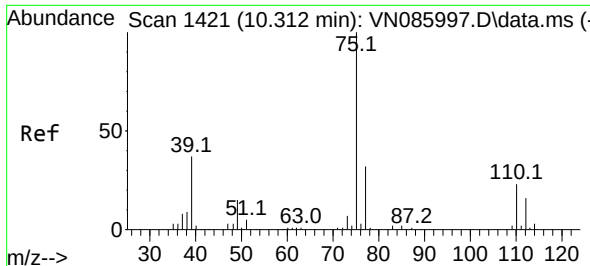
Tgt Ion: 98 Resp: 422820
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 3.638 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

Tgt Ion: 43 Resp: 8678
Ion Ratio Lower Upper
43 100
58 32.7 37.4 56.0#

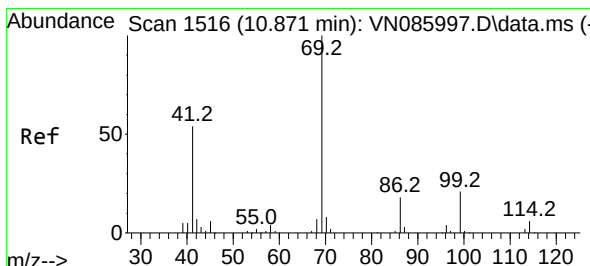
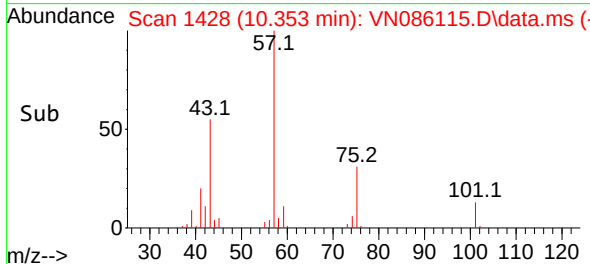
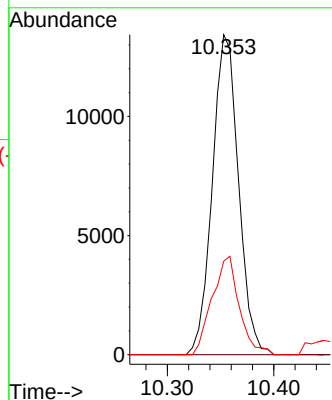
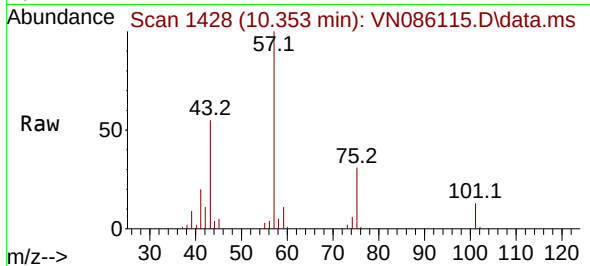




#54
 cis-1,3-Dichloropropene
 Concen: 6.435 ug/l
 RT: 10.353 min Scan# 14
 Delta R.T. 0.041 min
 Lab File: VN086115.D
 Acq: 25 Mar 2025 21:04

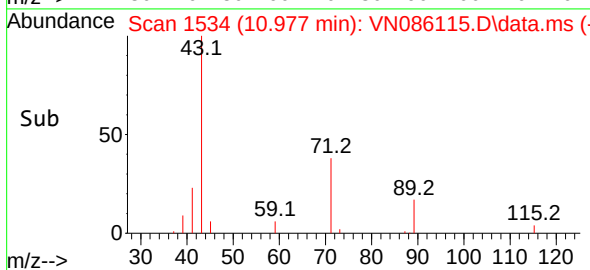
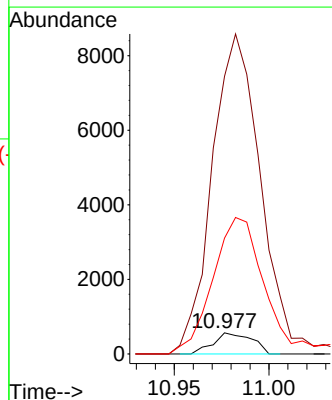
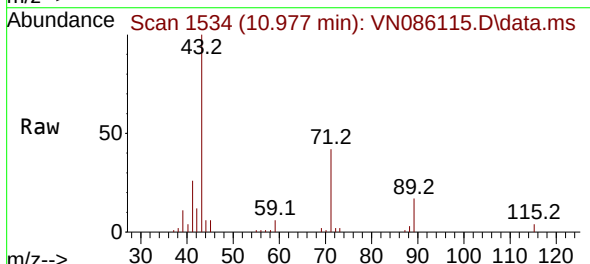
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

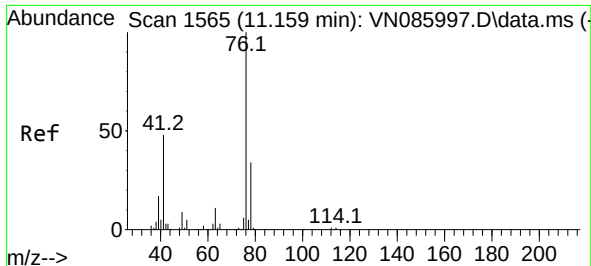
Tgt Ion: 75 Resp: 22893
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 29.2 29.6 44.4#



#56
 Ethyl methacrylate
 Concen: 0.482 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.105 min
 Lab File: VN086115.D
 Acq: 25 Mar 2025 21:04

Tgt Ion: 69 Resp: 807
 Ion Ratio Lower Upper
 69 100
 41 1908.8 41.6 62.4#
 39 881.3 21.8 32.8#





#57

1,3-Dichloropropane

Concen: 0.668 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN086115.D

Acq: 25 Mar 2025 21:04

Instrument :

MSVOA_N

ClientSampleId :

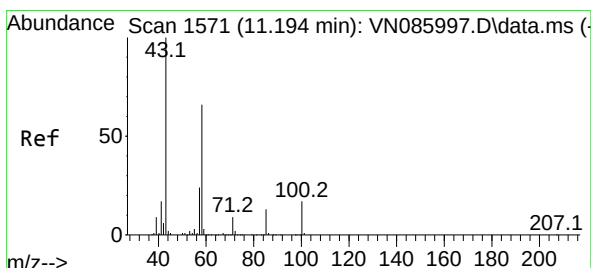
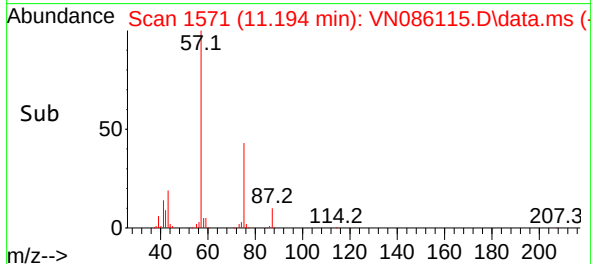
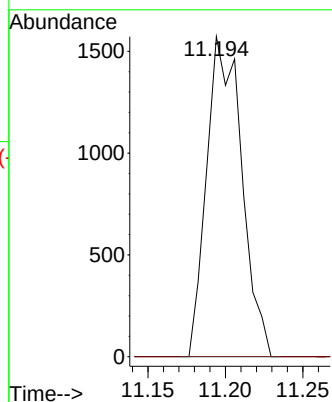
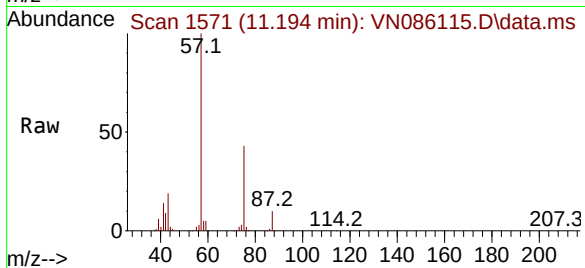
WC-1

Tgt Ion: 76 Resp: 2468

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 24.590 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086115.D

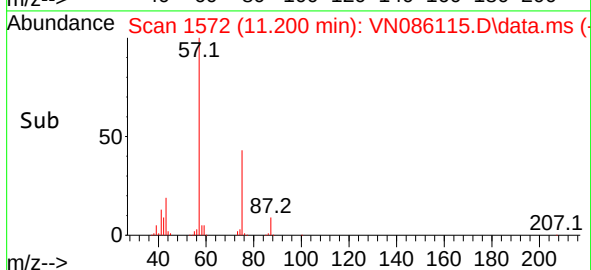
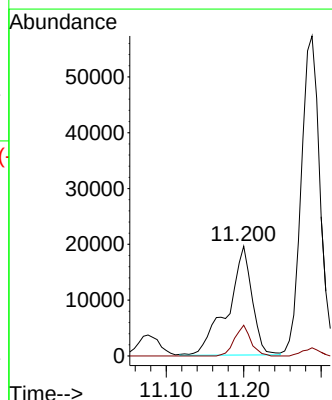
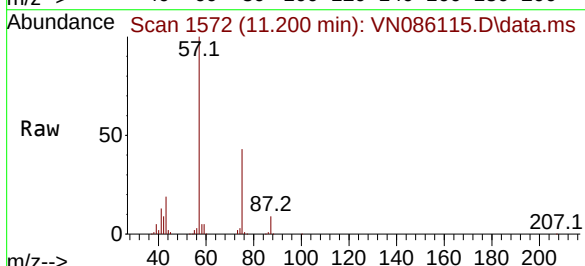
Acq: 25 Mar 2025 21:04

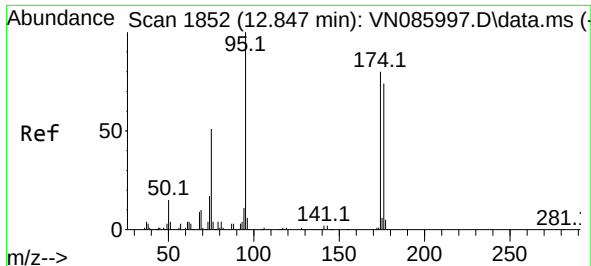
Tgt Ion: 43 Resp: 42730

Ion Ratio Lower Upper

43 100

58 18.9 32.4 97.2#

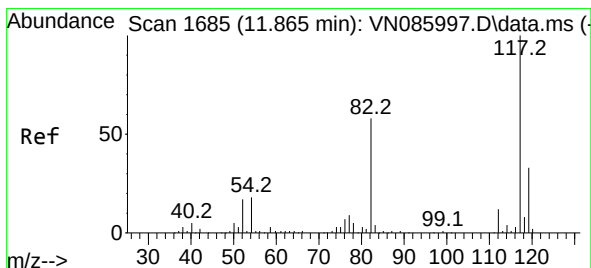
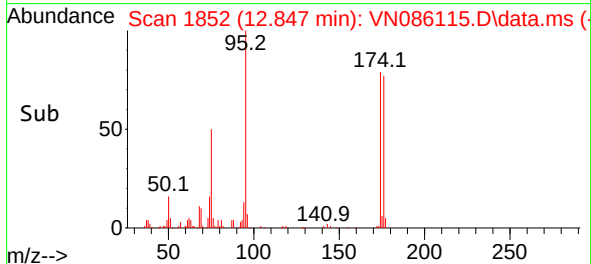
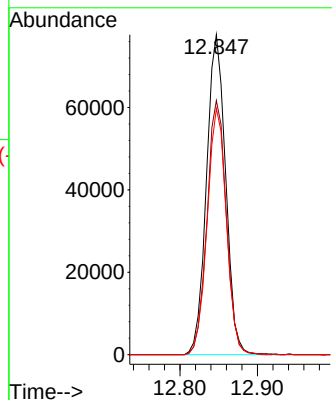
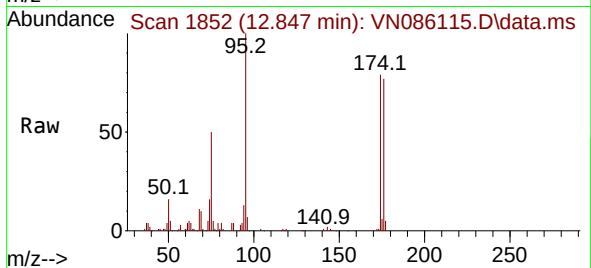




#62
4-Bromofluorobenzene
Concen: 45.719 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

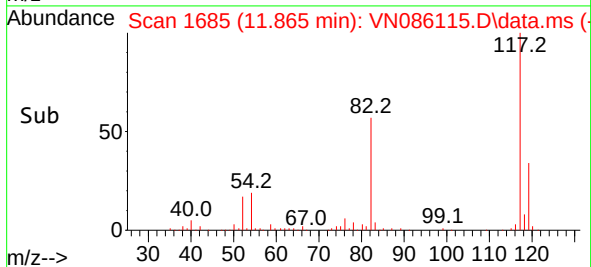
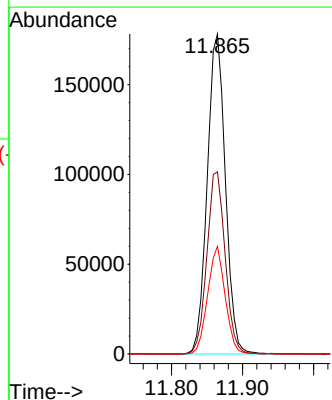
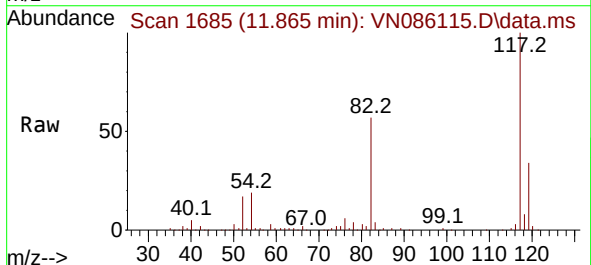
Instrument :
MSVOA_N
ClientSampleId :
WC-1

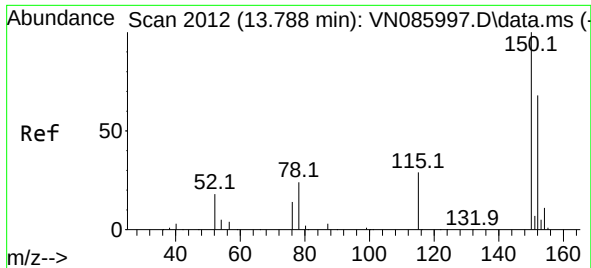
Tgt Ion: 95 Resp: 132958
Ion Ratio Lower Upper
95 100
174 80.1 0.0 156.8
176 76.9 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

Tgt Ion: 117 Resp: 316919
Ion Ratio Lower Upper
117 100
82 56.9 46.7 70.1
119 33.7 26.5 39.7

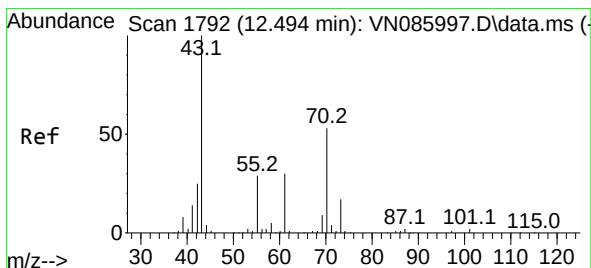
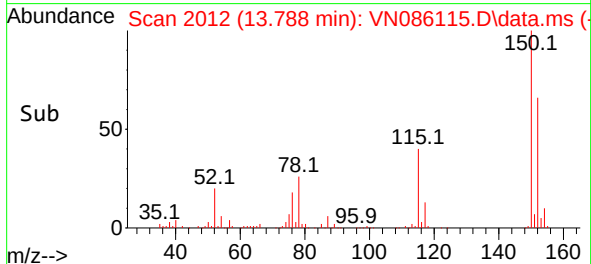
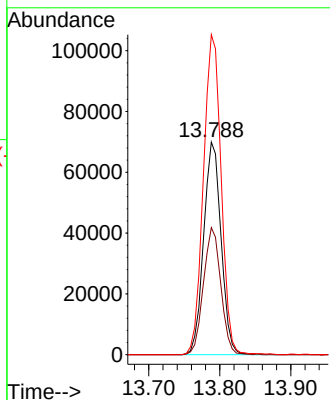
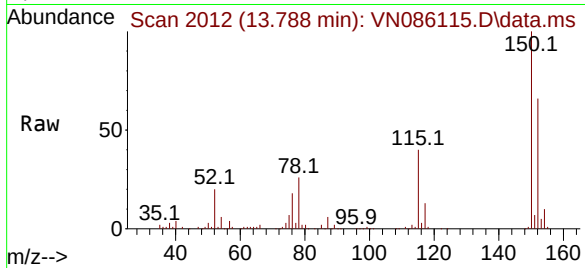




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086115.D
 Acq: 25 Mar 2025 21:04

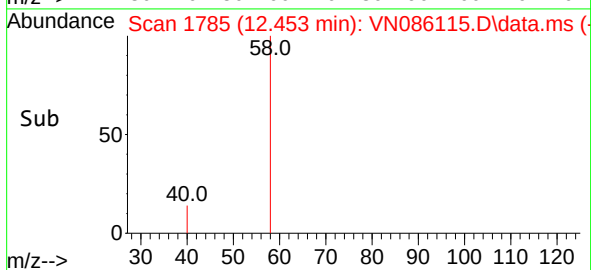
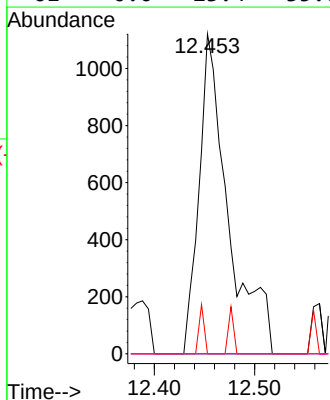
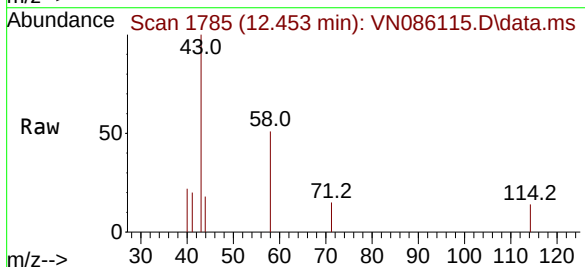
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

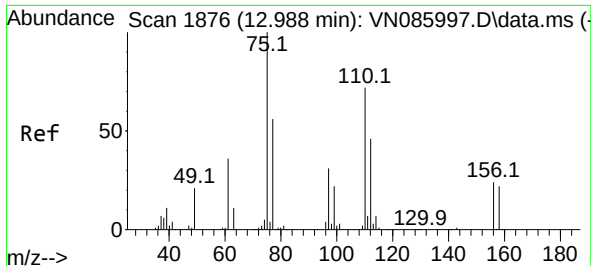
Tgt Ion:152 Resp: 119499
 Ion Ratio Lower Upper
 152 100
 115 59.4 31.1 93.2
 150 153.3 0.0 359.6



#74
 N-ethyl acetate
 Concen: 0.835 ug/l
 RT: 12.453 min Scan# 1785
 Delta R.T. -0.041 min
 Lab File: VN086115.D
 Acq: 25 Mar 2025 21:04

Tgt Ion: 43 Resp: 2279
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.0 64.4#
 55 2.7 23.8 35.8#
 61 0.0 23.4 35.0#

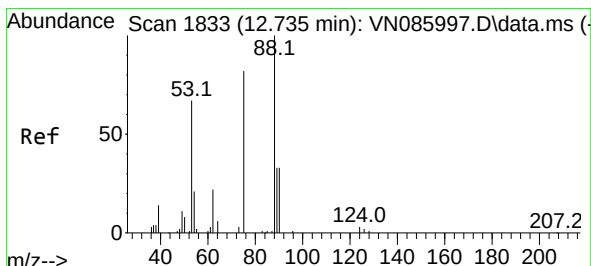
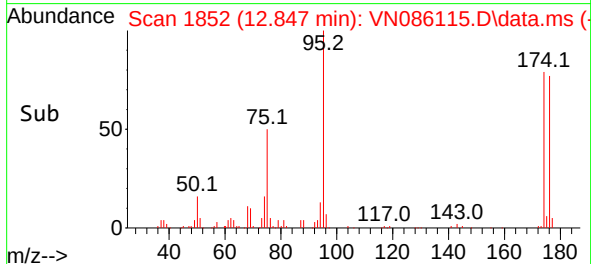
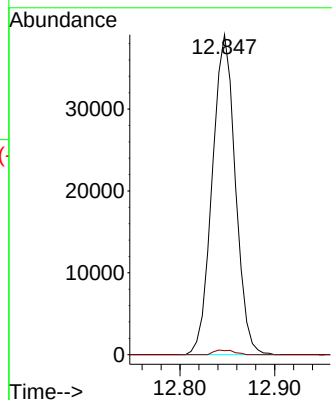
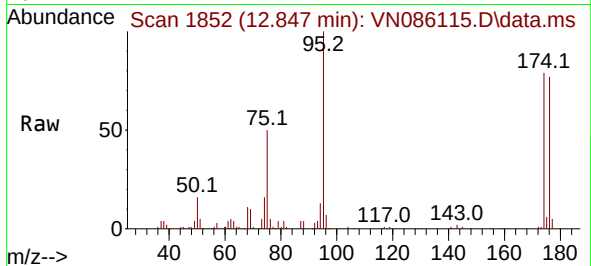




#76
1,2,3-Trichloropropane
Concen: 24.773 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

Instrument :
MSVOA_N
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 66277
Ion Ratio Lower Upper
75 100
77 1.2 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.496 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086115.D
Acq: 25 Mar 2025 21:04

Tgt Ion: 75 Resp: 66277
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#

