

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086061.D
 Acq On : 21 Mar 2025 23:43
 Operator : JC\MD
 Sample : Q1609-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-SCRN-01-G

Quant Time: Mar 22 00:00:56 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)

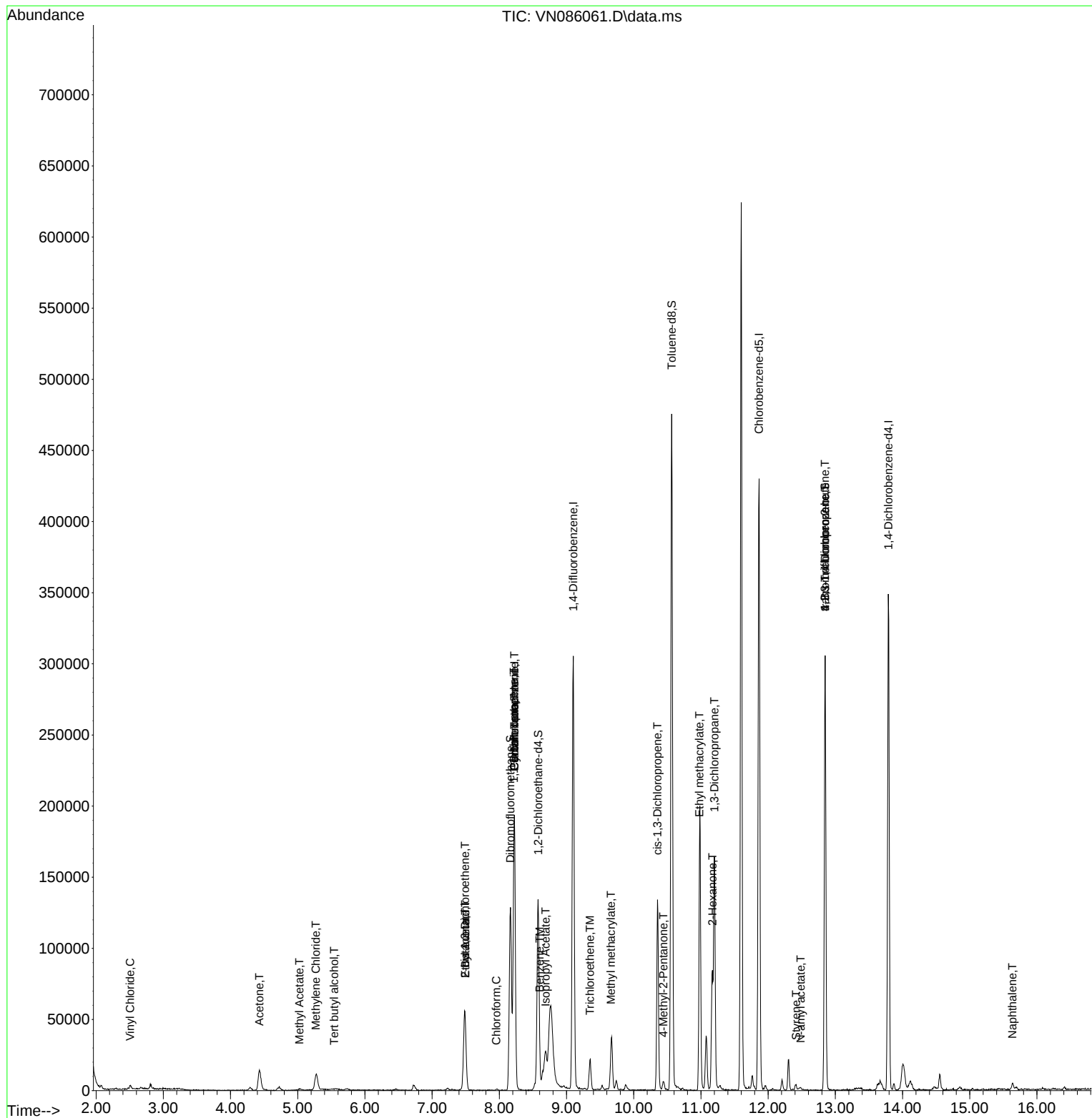
Internal Standards						
1) Pentafluorobenzene	8.224	168	140609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110762	57.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.060%			
35) Dibromofluoromethane	8.165	113	93335	50.927	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	10.565	98	337987	50.814	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.847	95	101958	42.982	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.960%			
Target Compounds					Qvalue	
4) Vinyl Chloride	2.507	62	2288	1.370	ug/l	91
11) Tert butyl alcohol	5.542	59	142	0.521	ug/l #	73
16) Acetone	4.430	43	27174	46.196	ug/l	98
18) Methyl Acetate	5.024	43	2201	1.512	ug/l #	67
20) Methylene Chloride	5.271	84	9766	5.675	ug/l #	95
25) 2-Butanone	7.494	43	3305	3.894	ug/l #	71
27) cis-1,2-Dichloroethene	7.489	96	33966	18.986	ug/l	91
30) Chloroform	7.953	83	707	0.227	ug/l	99
31) Cyclohexane	8.224	56	2996	1.249	ug/l #	11
36) 1,1-Dichloropropene	8.218	75	11269	4.670	ug/l #	49
37) Ethyl Acetate	7.494	43	3305	1.623	ug/l #	69
38) Carbon Tetrachloride	8.224	117	14333	4.517	ug/l #	16
40) Benzene	8.600	78	1974	0.261	ug/l #	79
43) Isopropyl Acetate	8.688	43	35240	7.988	ug/l #	68
44) Trichloroethene	9.347	130	8180	4.166	ug/l	99
48) Methyl methacrylate	9.659	41	2397	1.646	ug/l #	33
51) 4-Methyl-2-Pentanone	10.441	43	5314	2.731	ug/l #	83
54) cis-1,3-Dichloropropene	10.353	75	24151	8.323	ug/l #	69
56) Ethyl methacrylate	10.977	69	1537	0.874	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	1768	0.587	ug/l #	42
59) 2-Hexanone	11.171	43	79836	56.326	ug/l #	18
70) Styrene	12.418	104	2237	0.389	ug/l	88
74) N-amyl acetate	12.482	43	683	0.303	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	53647	24.305	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	53647	64.258	ug/l #	16
95) Naphthalene	15.635	128	5135	1.048	ug/l #	94

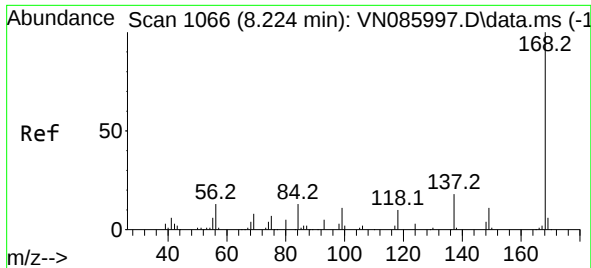
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

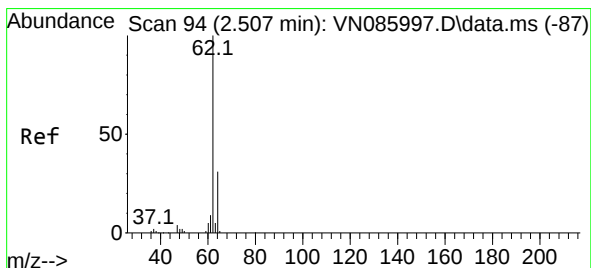
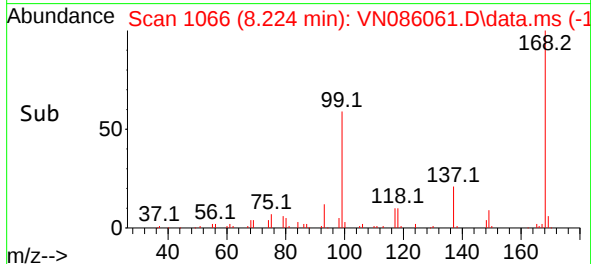
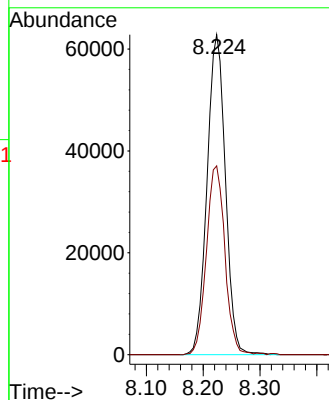
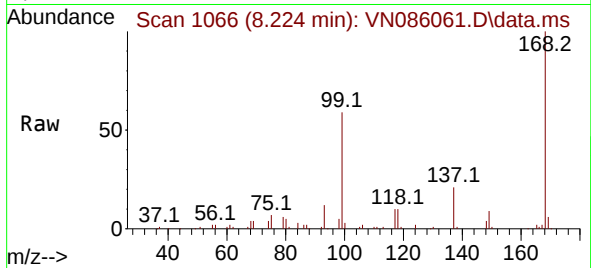




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

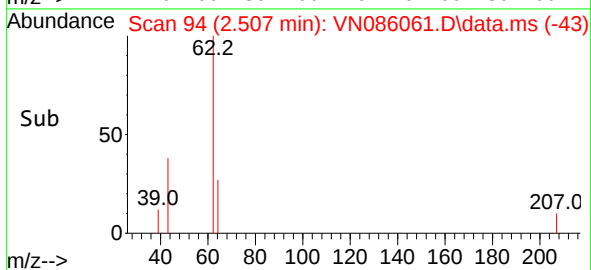
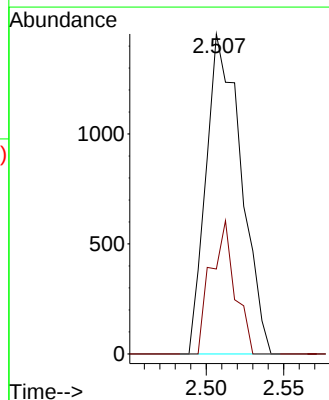
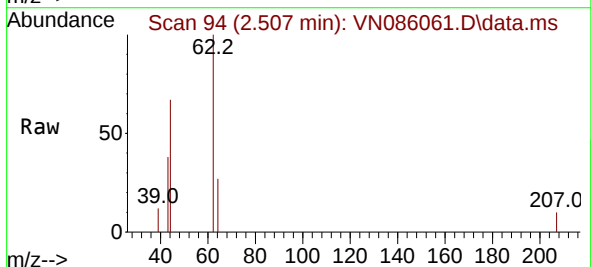
Instrument :
MSVOA_N
ClientSampleId :
WC-SCRN-01-G

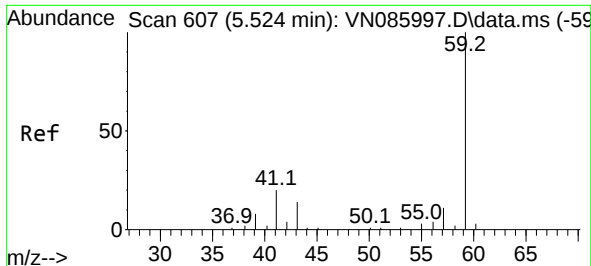
Tgt Ion:168 Resp: 140609
Ion Ratio Lower Upper
168 100
99 59.0 49.4 74.2



#4
Vinyl Chloride
Concen: 1.370 ug/l
RT: 2.507 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion: 62 Resp: 2288
Ion Ratio Lower Upper
62 100
64 26.5 25.2 37.8





#11

Tert butyl alcohol

Concen: 0.521 ug/l

RT: 5.542 min Scan# 610

Delta R.T. 0.018 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

Instrument :

MSVOA_N

ClientSampleId :

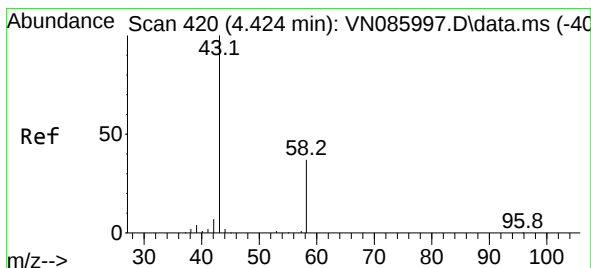
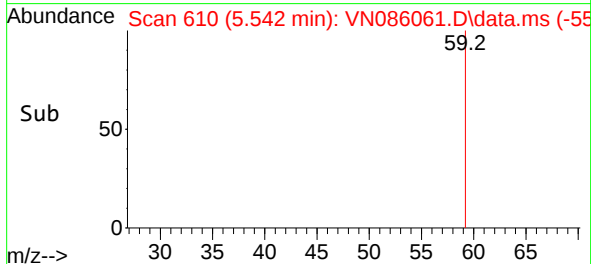
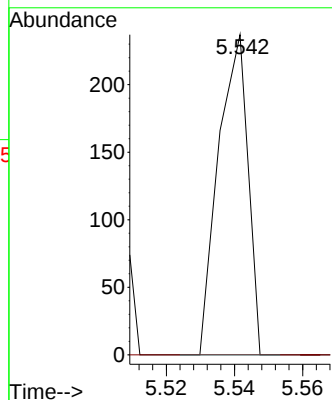
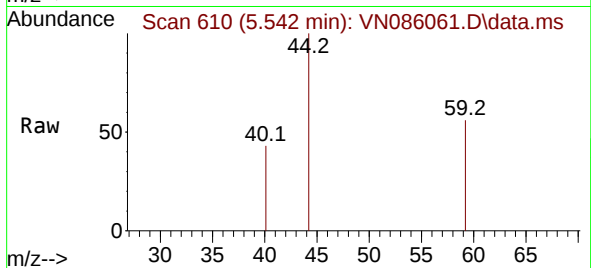
WC-SCRN-01-G

Tgt Ion: 59 Resp: 142

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#16

Acetone

Concen: 46.196 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN086061.D

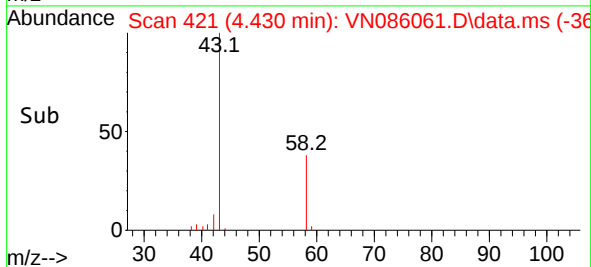
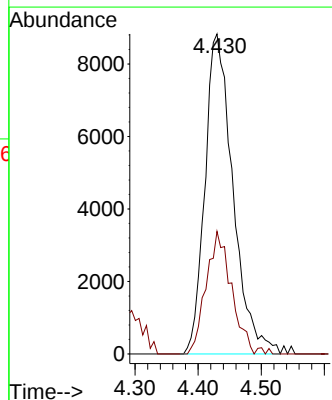
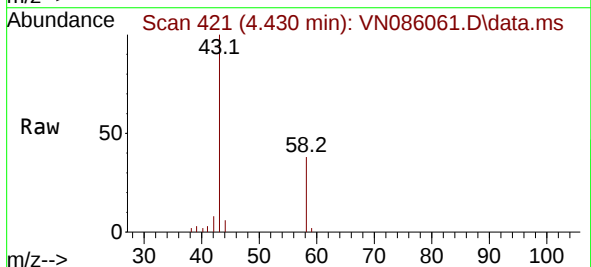
Acq: 21 Mar 2025 23:43

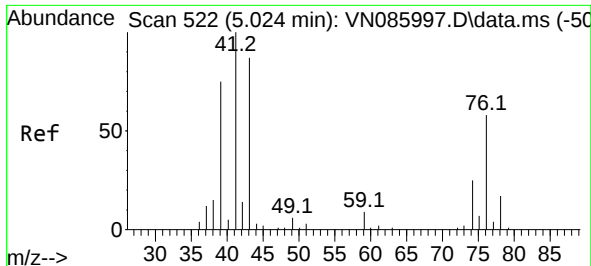
Tgt Ion: 43 Resp: 27174

Ion Ratio Lower Upper

43 100

58 38.3 29.4 44.2

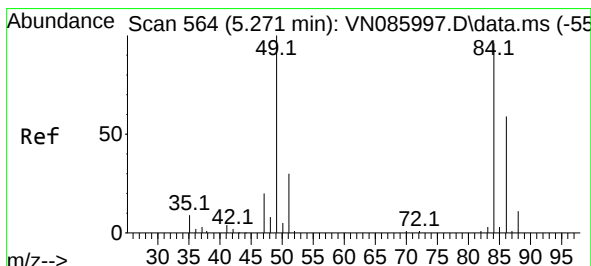
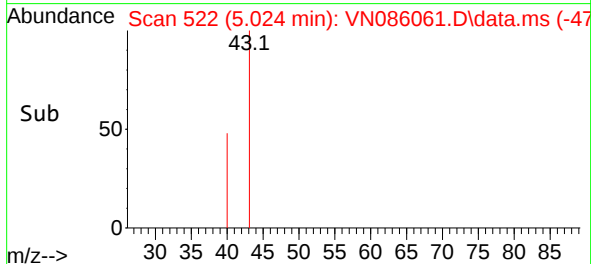
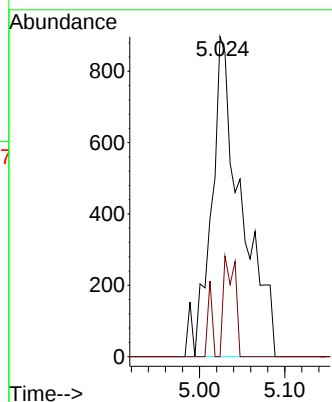
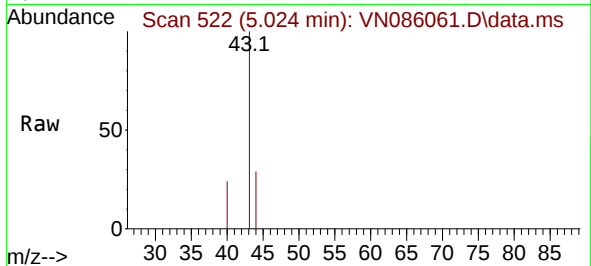




#18
Methyl Acetate
Concen: 1.512 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

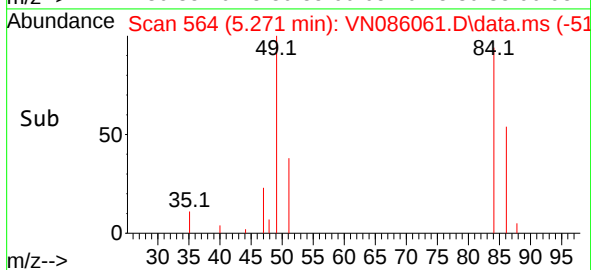
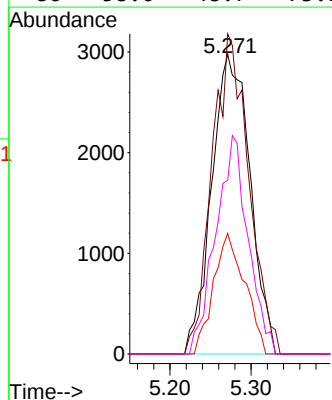
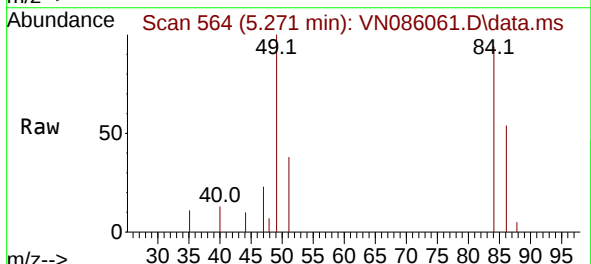
Instrument :
MSVOA_N
ClientSampleId :
WC-SCRN-01-G

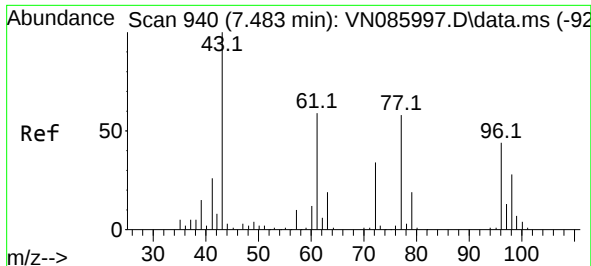
Tgt Ion: 43 Resp: 2201
Ion Ratio Lower Upper
43 100
74 12.0 23.9 35.9#



#20
Methylene Chloride
Concen: 5.675 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion: 84 Resp: 9766
Ion Ratio Lower Upper
84 100
49 106.8 83.3 124.9
51 40.2 24.8 37.2#
86 58.0 48.7 73.1

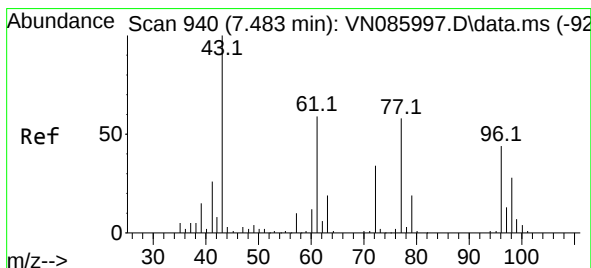
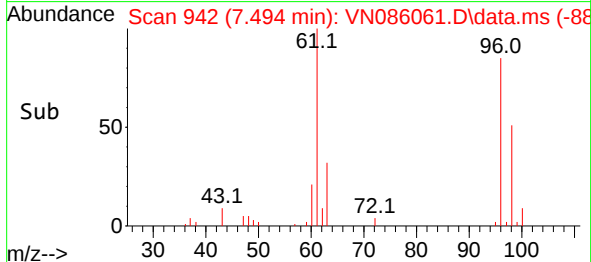
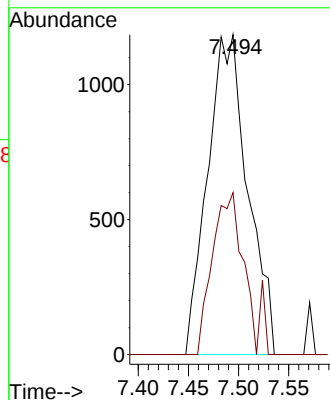
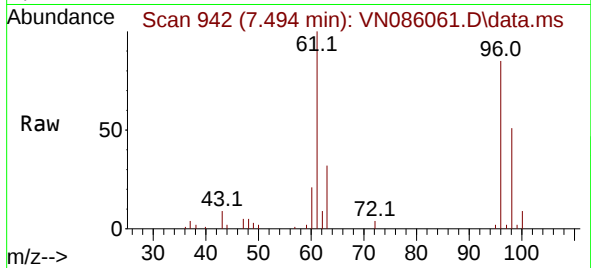




#25
2-Butanone
Concen: 3.894 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

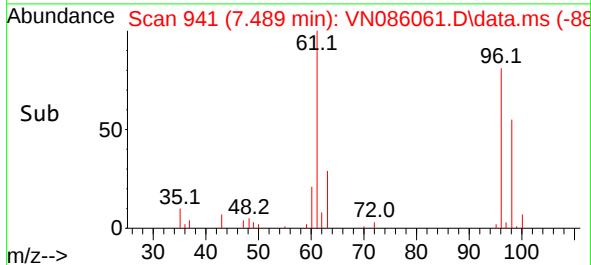
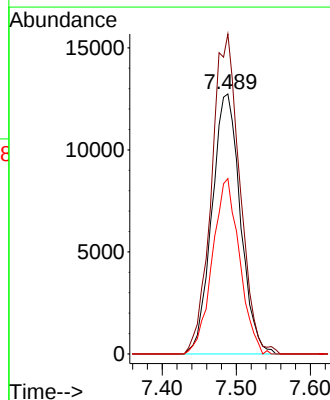
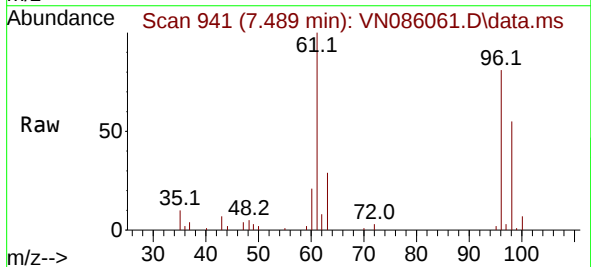
Instrument :
MSVOA_N
ClientSampleId :
WC-SCRN-01-G

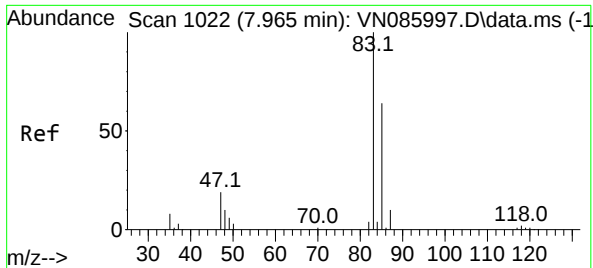
Tgt Ion: 43 Resp: 3305
Ion Ratio Lower Upper
43 100
72 50.6 27.4 41.0#



#27
cis-1,2-Dichloroethene
Concen: 18.986 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion: 96 Resp: 33966
Ion Ratio Lower Upper
96 100
61 122.4 0.0 272.8
98 64.4 0.0 124.8





#30

Chloroform

Concen: 0.227 ug/l

RT: 7.953 min Scan# 1066

Delta R.T. -0.012 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

Instrument :

MSVOA_N

ClientSampleId :

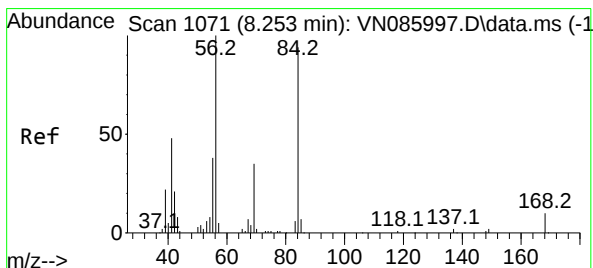
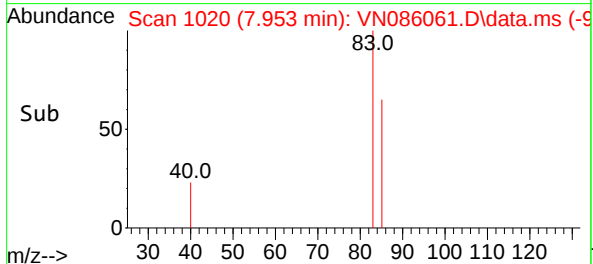
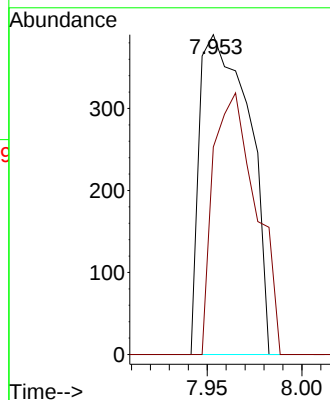
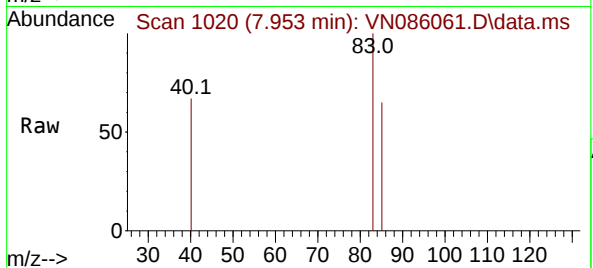
WC-SCRN-01-G

Tgt Ion: 83 Resp: 707

Ion Ratio Lower Upper

83 100

85 64.9 51.5 77.3



#31

Cyclohexane

Concen: 1.249 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

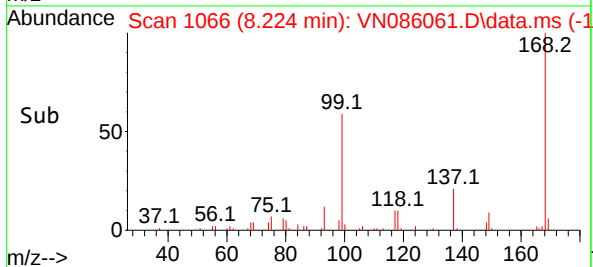
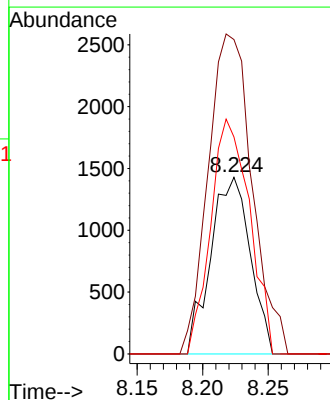
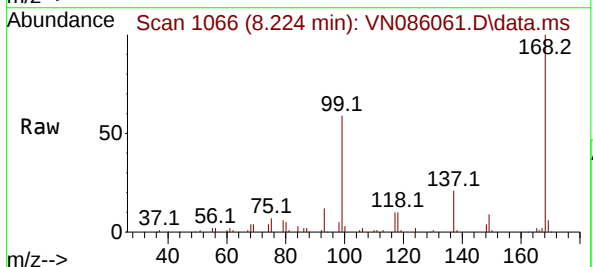
Tgt Ion: 56 Resp: 2996

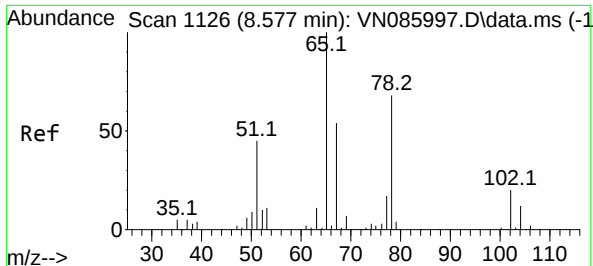
Ion Ratio Lower Upper

56 100

69 178.0 28.0 42.0#

84 122.8 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 57.526 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

Instrument :

MSVOA_N

ClientSampleId :

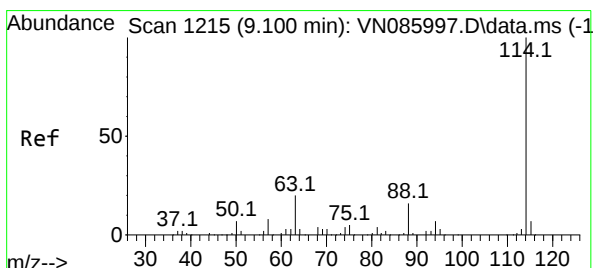
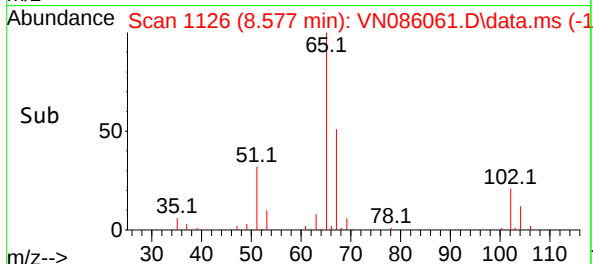
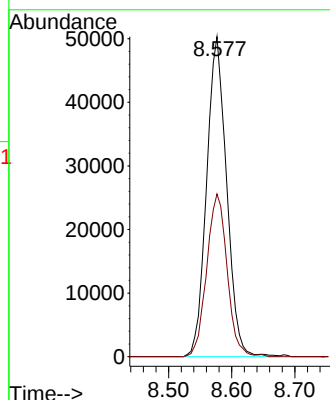
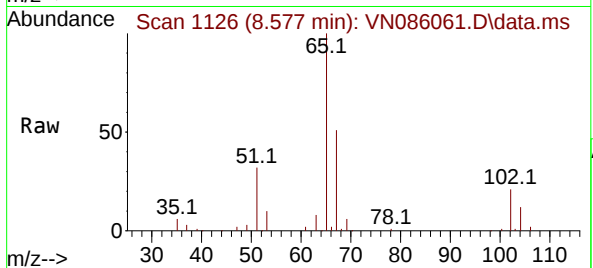
WC-SCRN-01-G

Tgt Ion: 65 Resp: 110762

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

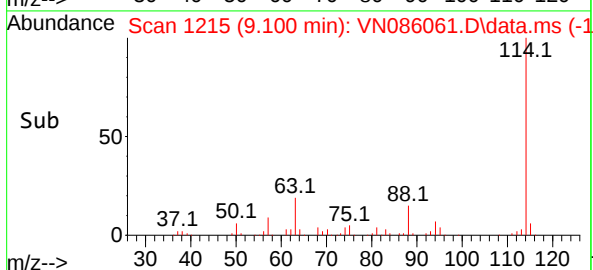
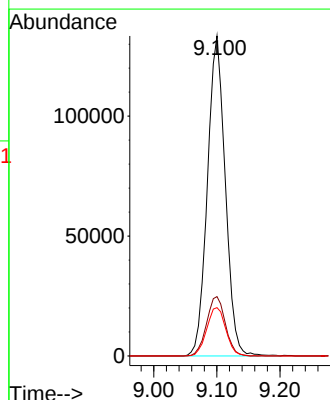
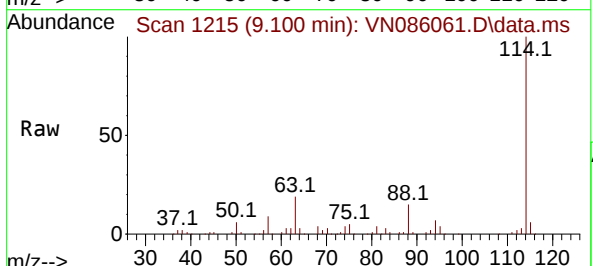
Tgt Ion: 114 Resp: 262572

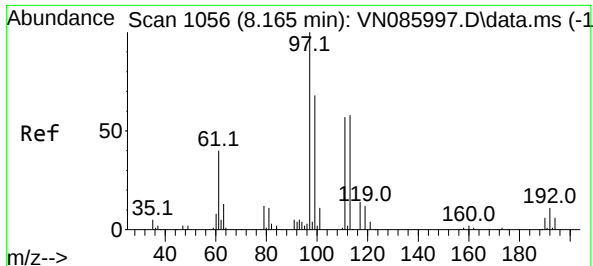
Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 15.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.927 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

Instrument :

MSVOA_N

ClientSampleId :

WC-SCRN-01-G

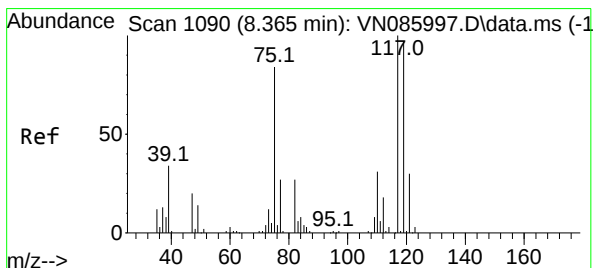
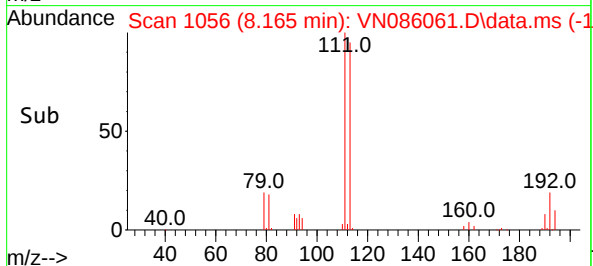
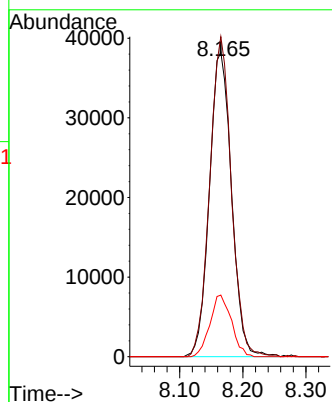
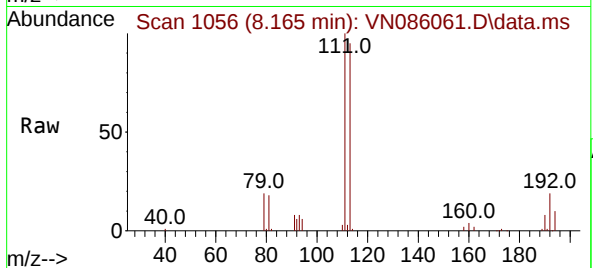
Tgt Ion:113 Resp: 93335

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

192 19.6 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.670 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

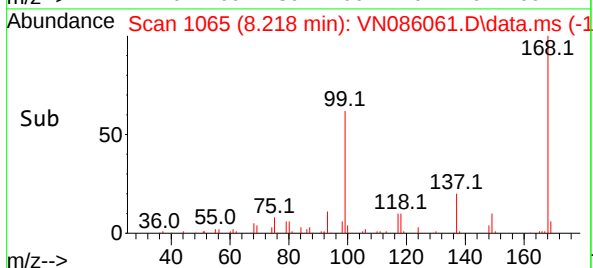
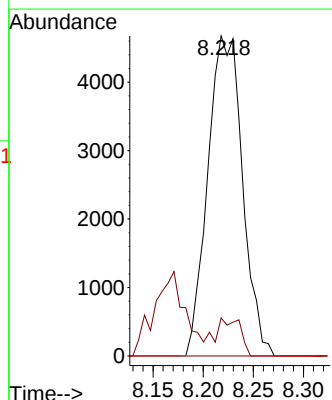
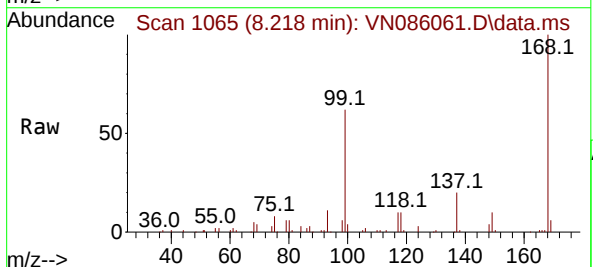
Tgt Ion: 75 Resp: 11269

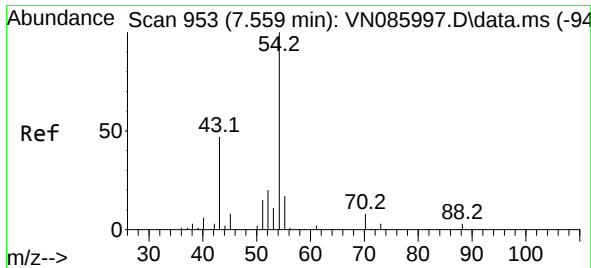
Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.3#

77 0.0 25.0 37.4#

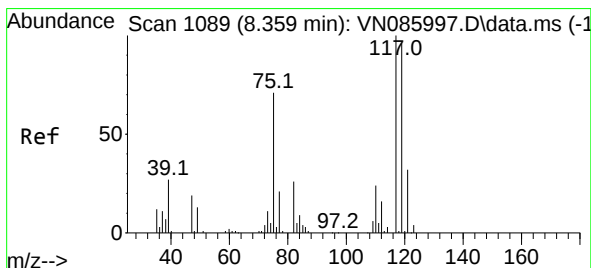
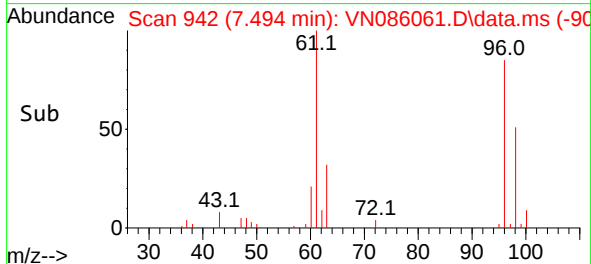
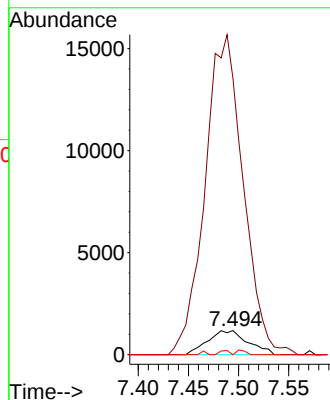
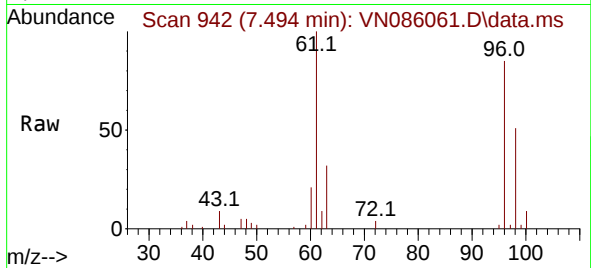




#37
Ethyl Acetate
Concen: 1.623 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.065 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

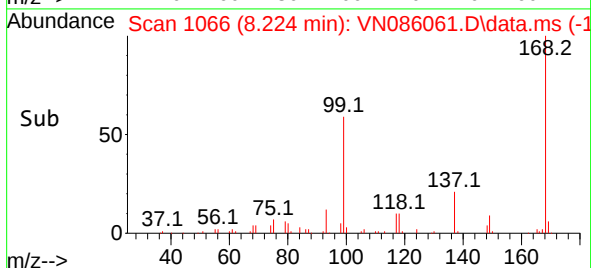
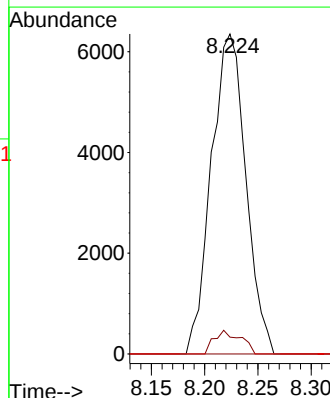
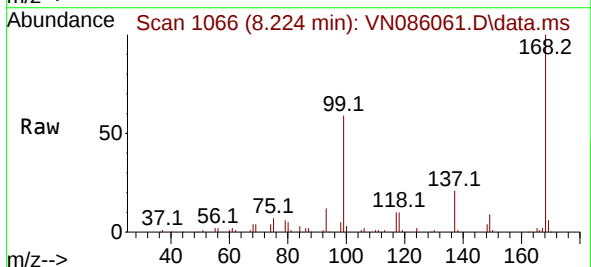
Instrument :
MSVOA_N
ClientSampleId :
WC-SCRN-01-G

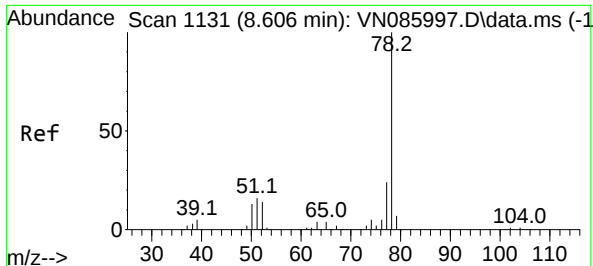
Tgt Ion: 43 Resp: 3305
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 4.2 11.0 16.6#



#38
Carbon Tetrachloride
Concen: 4.517 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion: 117 Resp: 14333
Ion Ratio Lower Upper
117 100
119 5.2 77.0 115.4#
121 0.0 25.6 38.4#

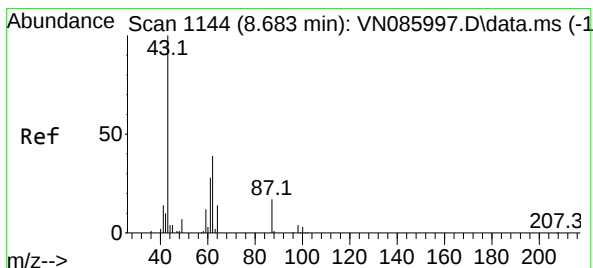
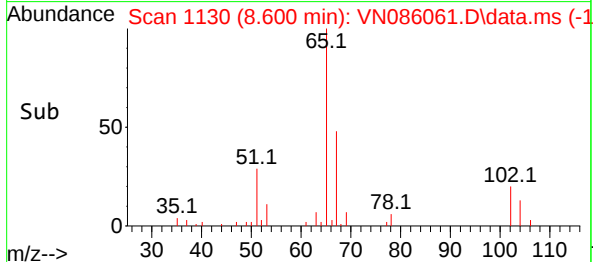
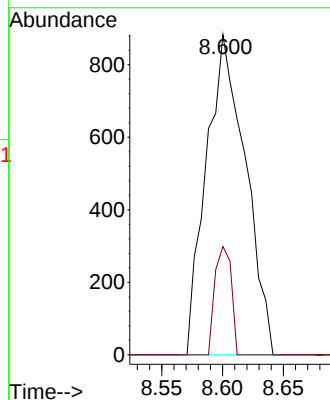
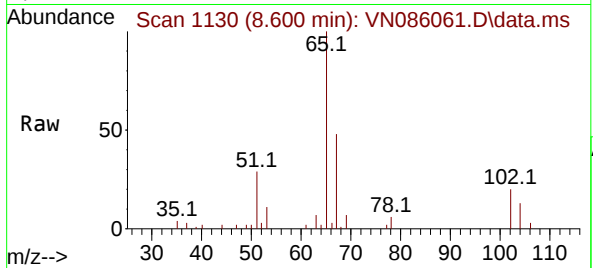




#40
Benzene
Concen: 0.261 ug/l
RT: 8.600 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

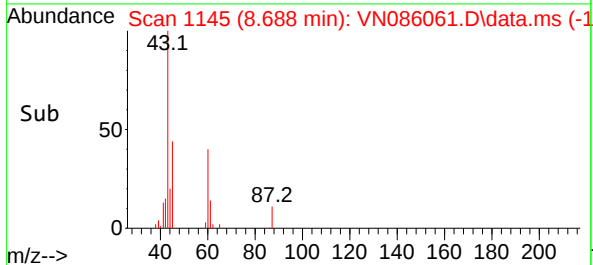
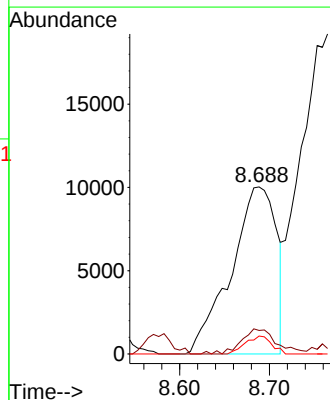
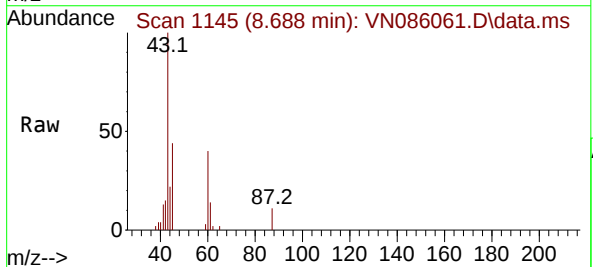
Instrument :
MSVOA_N
ClientSampleId :
WC-SCRN-01-G

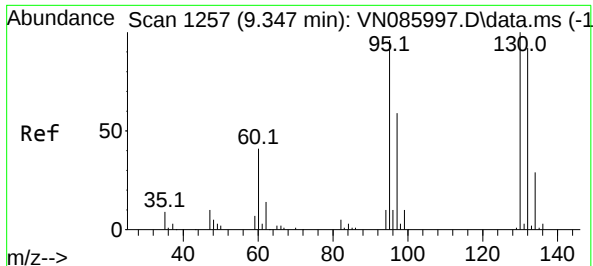
Tgt Ion: 78 Resp: 1974
Ion Ratio Lower Upper
78 100
77 33.9 18.9 28.3#



#43
Isopropyl Acetate
Concen: 7.988 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion: 43 Resp: 35240
Ion Ratio Lower Upper
43 100
61 11.5 25.0 37.6#
87 6.2 13.0 19.4#

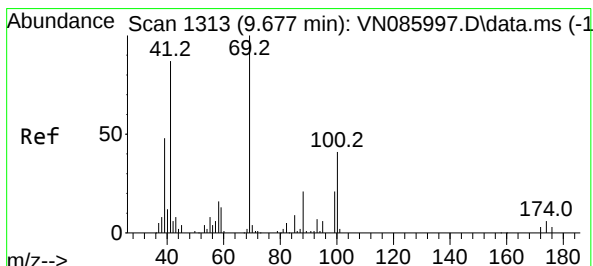
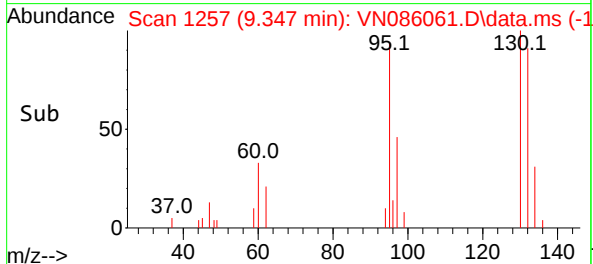
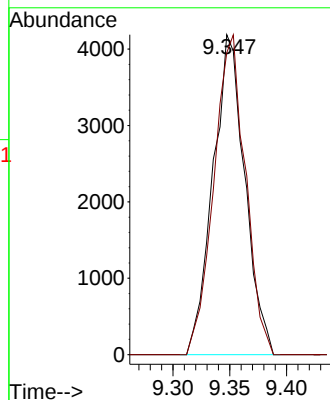
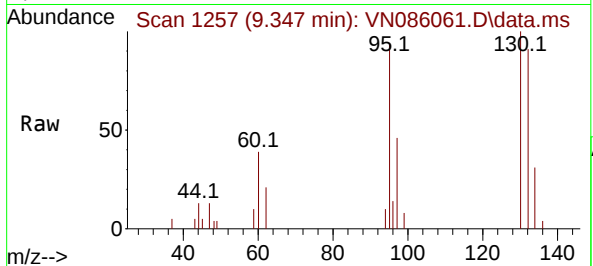




#44
Trichloroethene
Concen: 4.166 ug/l
RT: 9.347 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

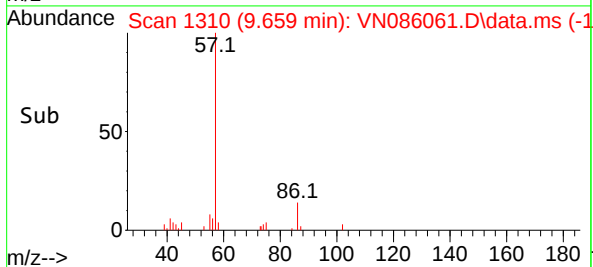
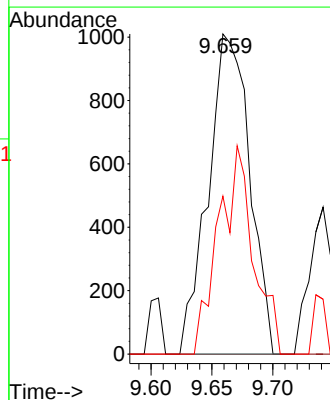
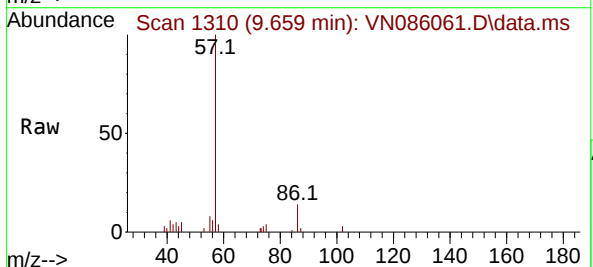
Instrument :
MSVOA_N
ClientSampleId :
WC-SCRN-01-G

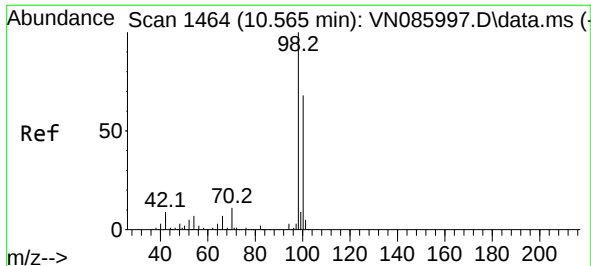
Tgt Ion:130 Resp: 8180
Ion Ratio Lower Upper
130 100
95 94.4 0.0 191.6



#48
Methyl methacrylate
Concen: 1.646 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.018 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion: 41 Resp: 2397
Ion Ratio Lower Upper
41 100
69 0.0 83.1 124.7#
39 54.4 45.6 68.4

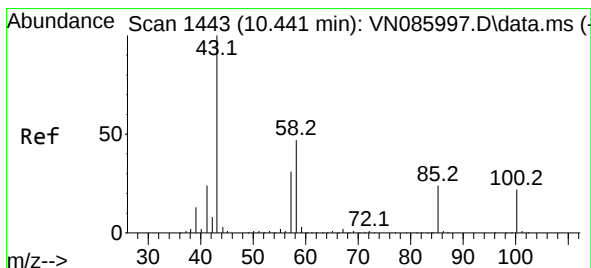
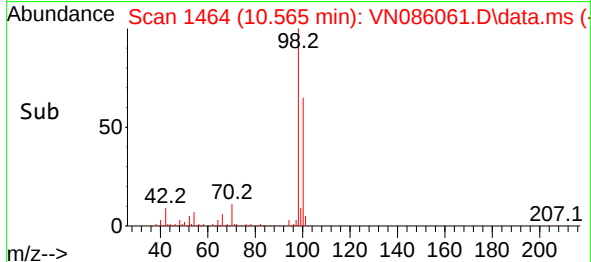
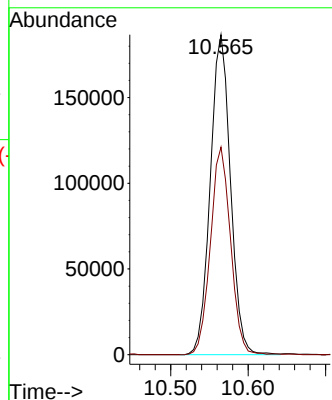
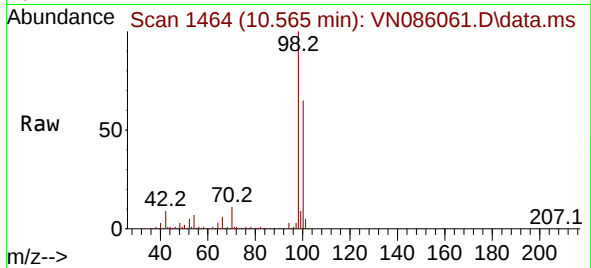




#50
Toluene-d8
Concen: 50.814 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

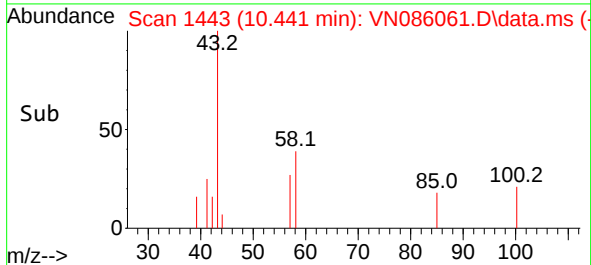
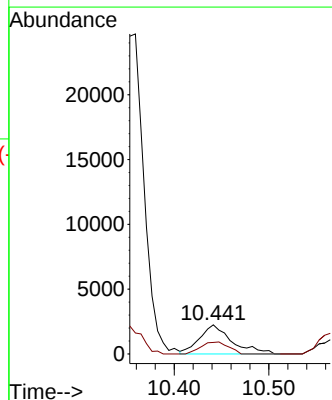
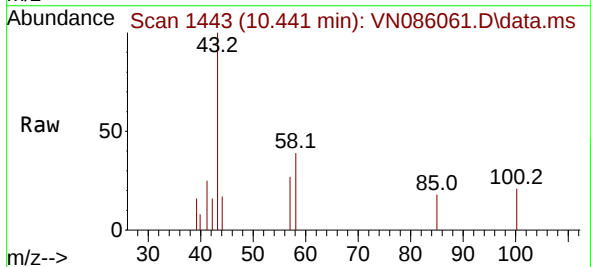
Instrument :
MSVOA_N
ClientSampleId :
WC-SCRN-01-G

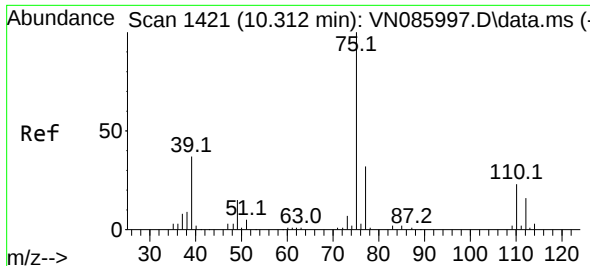
Tgt Ion: 98 Resp: 337987
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 2.731 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion: 43 Resp: 5314
Ion Ratio Lower Upper
43 100
58 35.1 37.4 56.0#

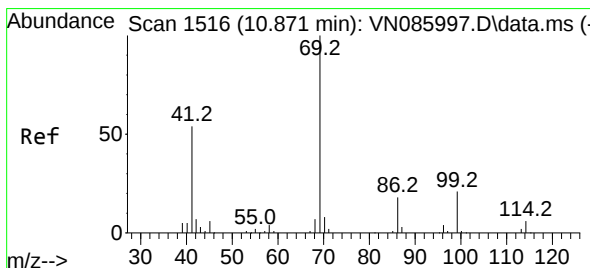
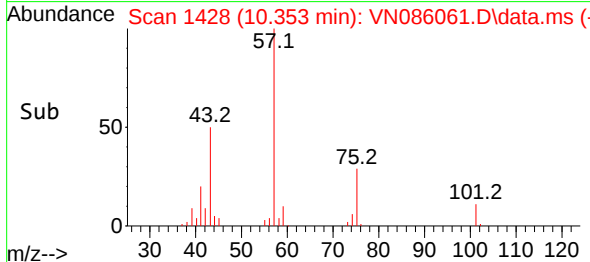
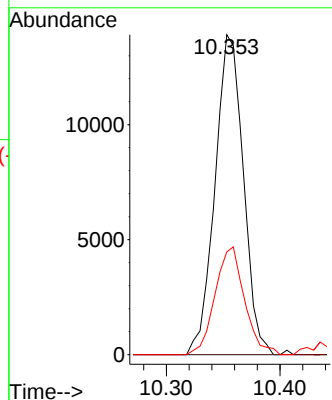
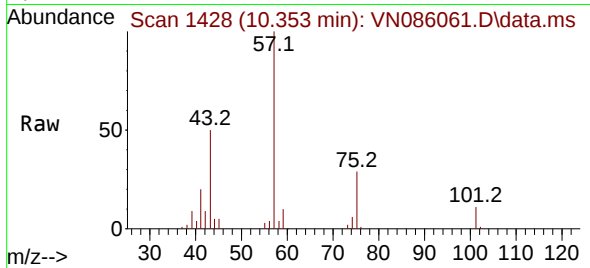




#54
 cis-1,3-Dichloropropene
 Concen: 8.323 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN086061.D
 Acq: 21 Mar 2025 23:43

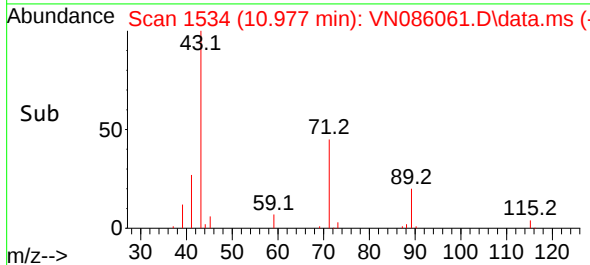
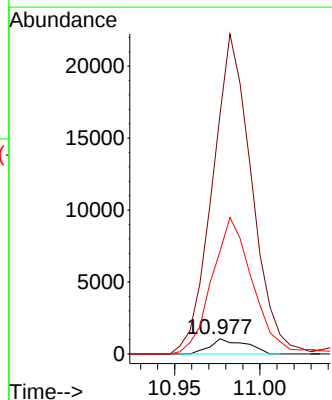
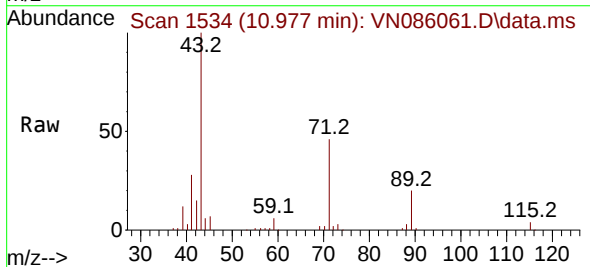
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-SCRN-01-G

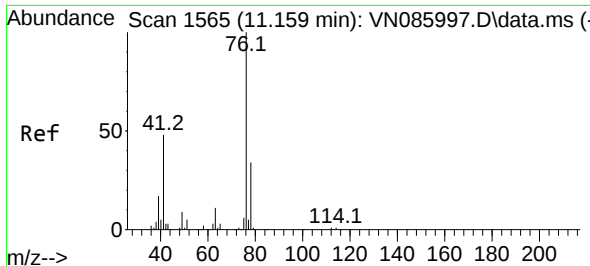
Tgt Ion: 75 Resp: 24151
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 32.1 29.6 44.4



#56
 Ethyl methacrylate
 Concen: 0.874 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN086061.D
 Acq: 21 Mar 2025 23:43

Tgt Ion: 69 Resp: 1537
 Ion Ratio Lower Upper
 69 100
 41 2315.5 41.6 62.4#
 39 1032.8 21.8 32.8#





#57

1,3-Dichloropropane

Concen: 0.587 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

Instrument :

MSVOA_N

ClientSampleId :

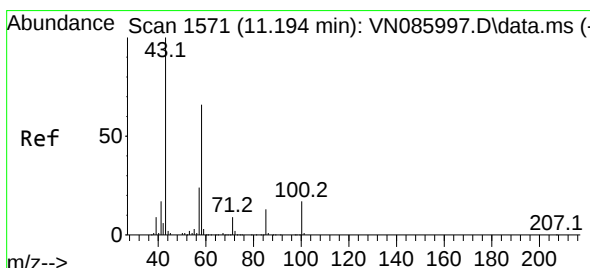
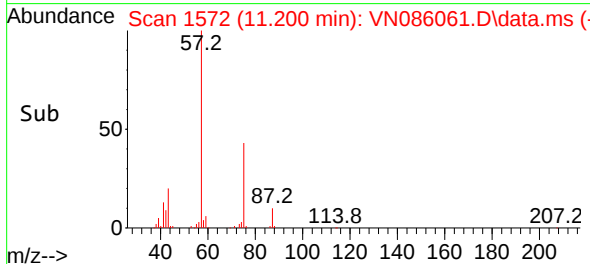
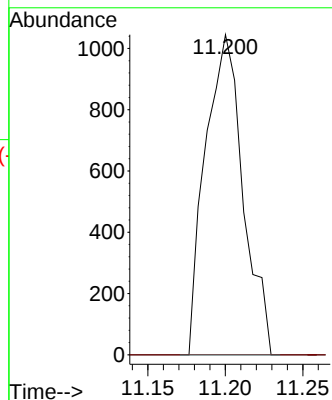
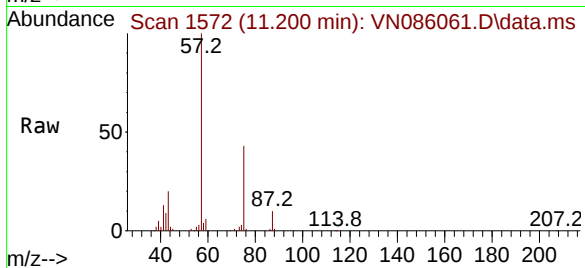
WC-SCRN-01-G

Tgt Ion: 76 Resp: 1768

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 56.326 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN086061.D

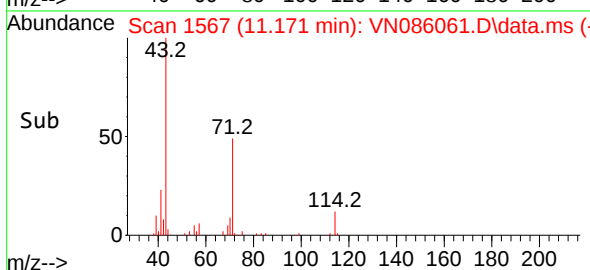
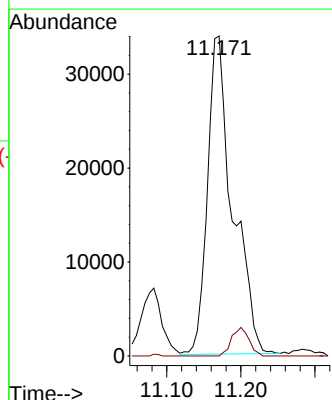
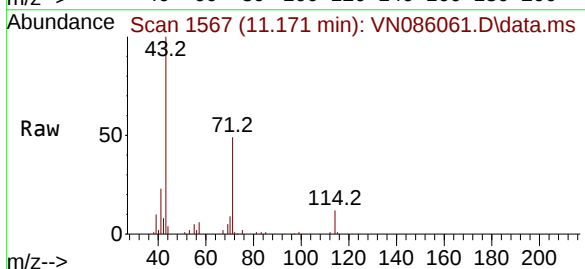
Acq: 21 Mar 2025 23:43

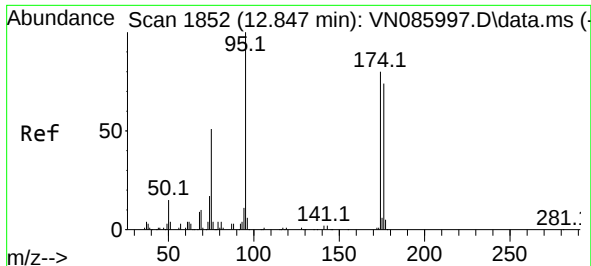
Tgt Ion: 43 Resp: 79836

Ion Ratio Lower Upper

43 100

58 0.0 32.4 97.2#

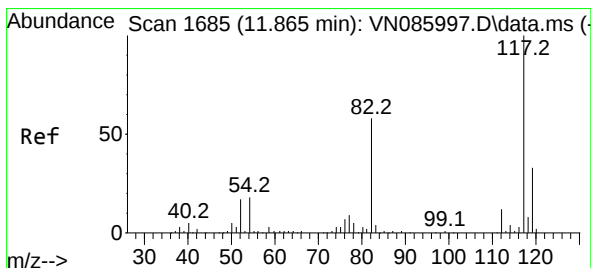
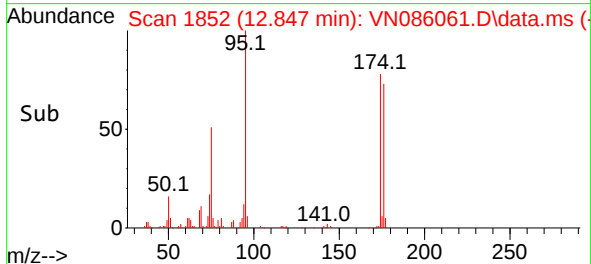
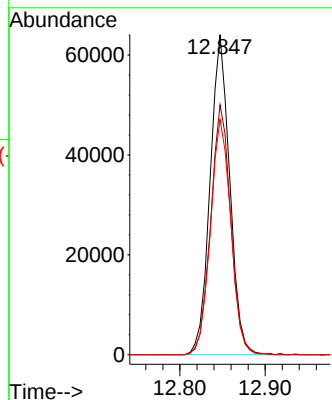
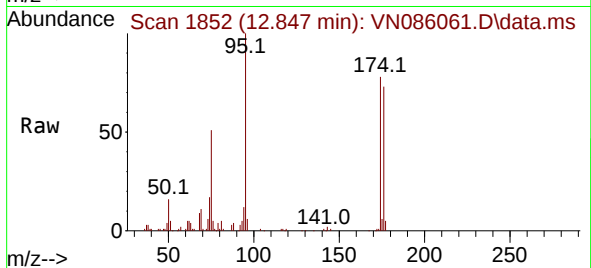




#62
4-Bromofluorobenzene
Concen: 42.982 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

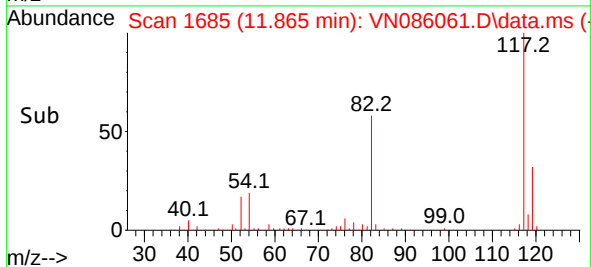
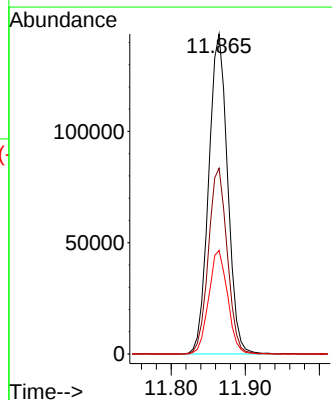
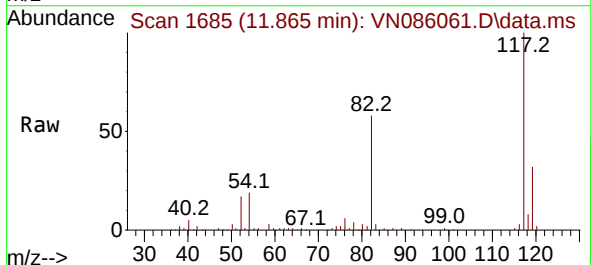
Instrument :
MSVOA_N
ClientSampleId :
WC-SCRN-01-G

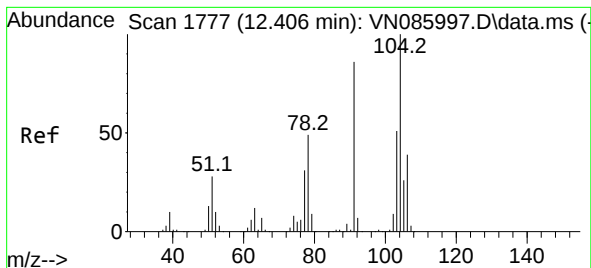
Tgt Ion: 95 Resp: 101958
Ion Ratio Lower Upper
95 100
174 80.4 0.0 156.8
176 76.4 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion: 117 Resp: 254973
Ion Ratio Lower Upper
117 100
82 58.1 46.7 70.1
119 32.3 26.5 39.7





#70

Styrene

Concen: 0.389 ug/l

RT: 12.418 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

Instrument :

MSVOA_N

ClientSampleId :

WC-SCRN-01-G

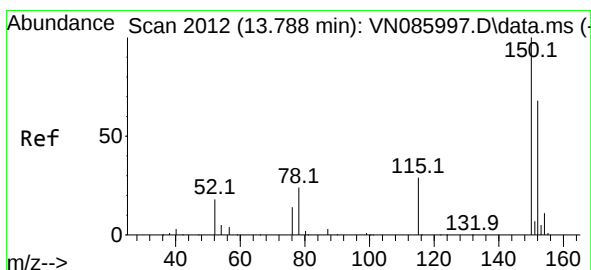
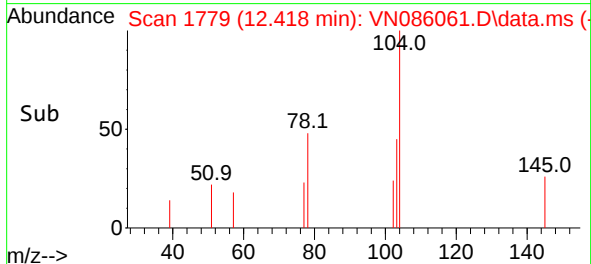
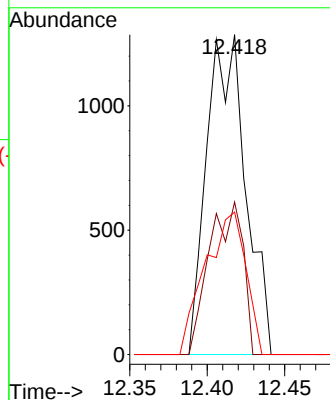
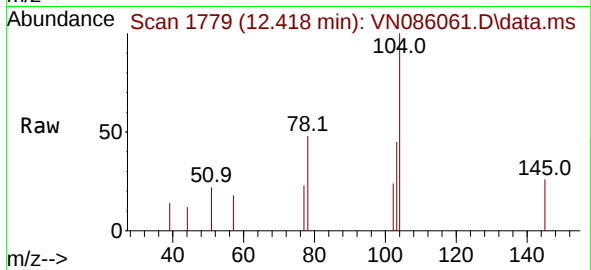
Tgt Ion:104 Resp: 2237

Ion Ratio Lower Upper

104 100

78 41.5 41.4 62.2

103 46.6 42.9 64.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

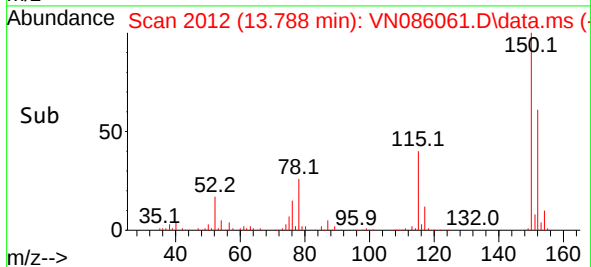
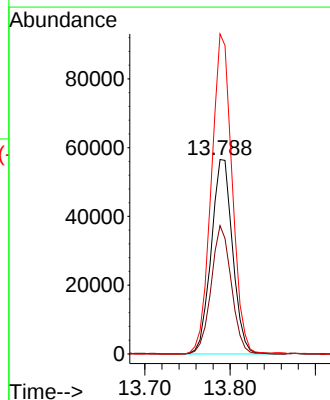
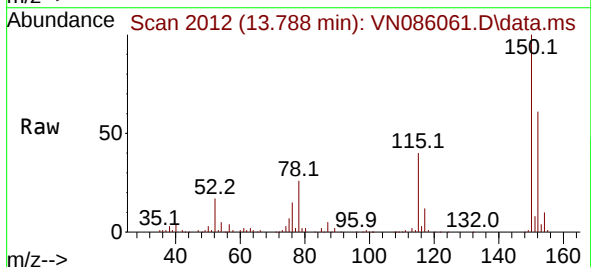
Tgt Ion:152 Resp: 98590

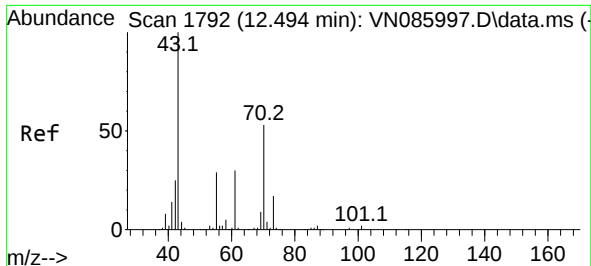
Ion Ratio Lower Upper

152 100

115 62.2 31.1 93.2

150 159.5 0.0 359.6

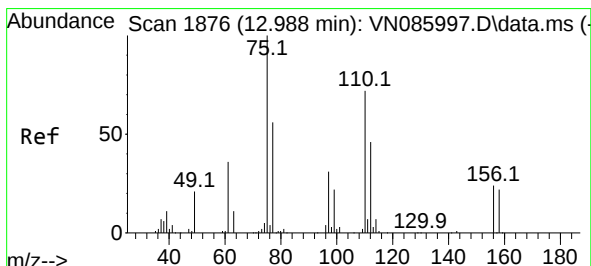
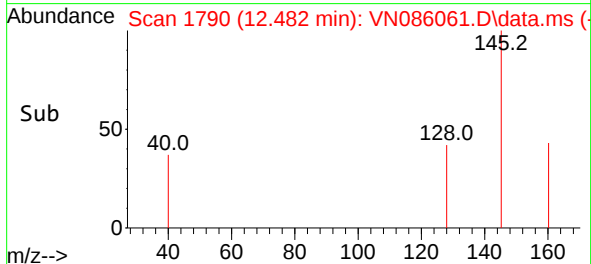
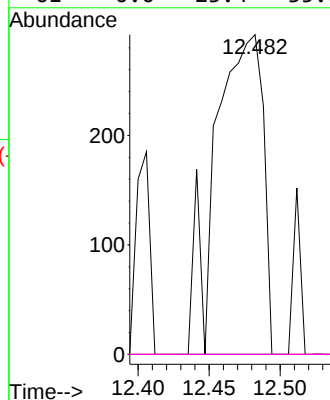
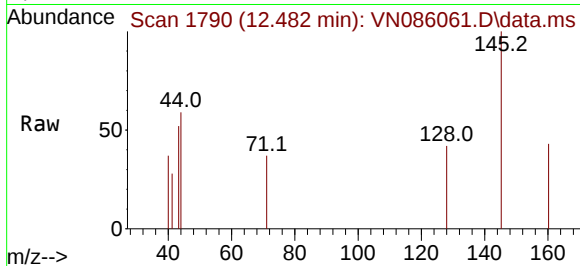




#74
N-amy1 acetate
Concen: 0.303 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

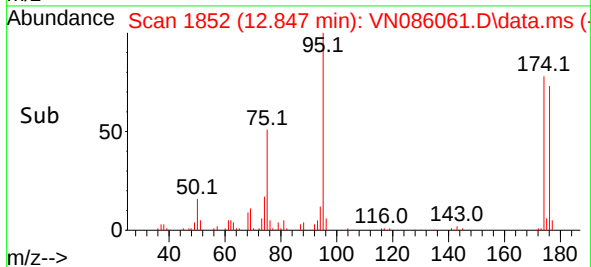
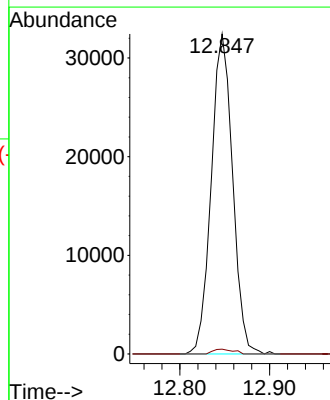
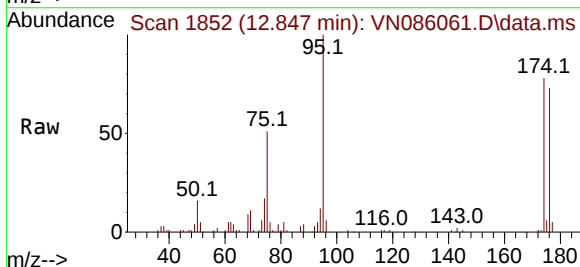
Instrument :
MSVOA_N
ClientSampleId :
WC-SCRN-01-G

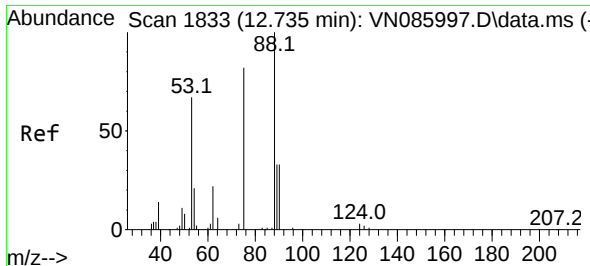
Tgt Ion: 43	Resp: 683
Ion Ratio	Lower Upper
43 100	
70 0.0	43.0 64.4#
55 0.0	23.8 35.8#
61 0.0	23.4 35.0#



#76
1,2,3-Trichloropropane
Concen: 24.305 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion: 75	Resp: 53647
Ion Ratio	Lower Upper
75 100	
77 1.4	83.7 251.0#

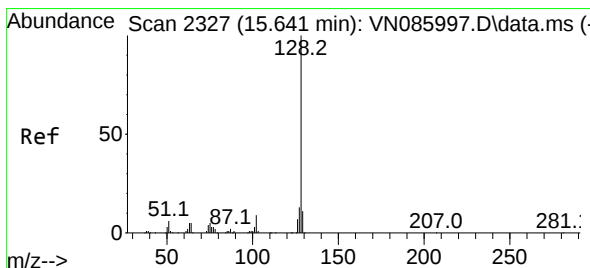
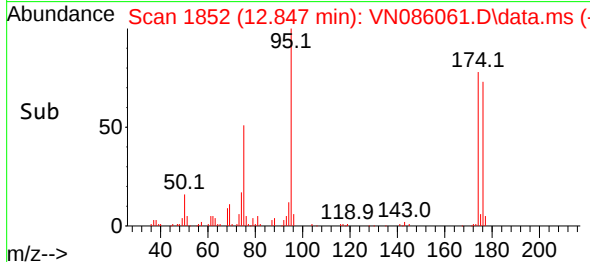
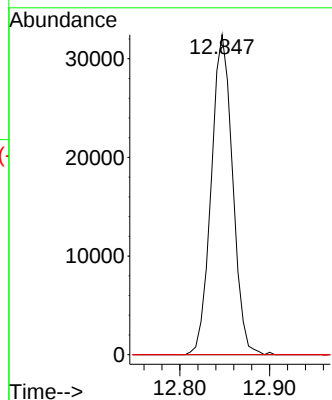
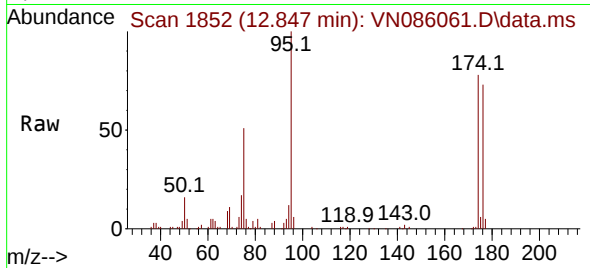




#81
trans-1,4-Dichloro-2-butene
Concen: 64.258 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Instrument :
MSVOA_N
ClientSampleId :
WC-SCRN-01-G

Tgt Ion: 75 Resp: 53647
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.048 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion: 128 Resp: 5135
Ion Ratio Lower Upper
128 100
127 11.0 10.2 15.4
129 8.3 9.0 13.6#

