

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085713.D
 Acq On : 07 Feb 2025 21:54
 Operator : JC\MD
 Sample : Q1309-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-6

Quant Time: Feb 08 00:44:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

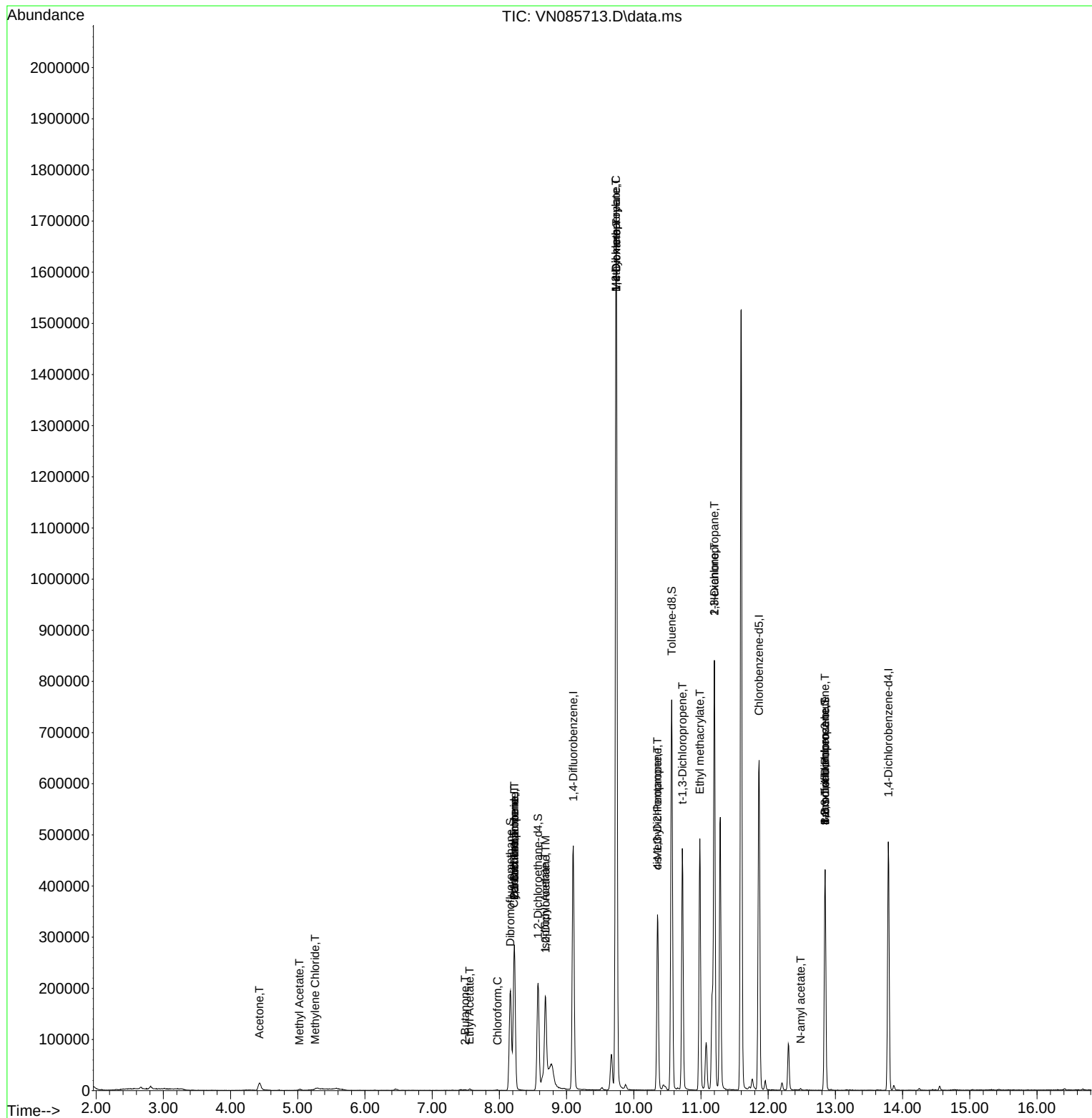
Internal Standards						
1) Pentafluorobenzene	8.224	168	196218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	403083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	372752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	173046	54.634	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.260%	
35) Dibromofluoromethane	8.165	113	141994	50.777	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.560%	
50) Toluene-d8	10.565	98	527993	53.142	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.280%	
62) 4-Bromofluorobenzene	12.847	95	143029	42.083	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 84.160%	
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	27287	26.663	ug/l	97
18) Methyl Acetate	5.024	43	3935	1.264	ug/l	100
20) Methylene Chloride	5.259	84	567	0.224	ug/l #	38
25) 2-Butanone	7.488	43	2471	1.641	ug/l #	50
30) Chloroform	7.971	83	1156	0.242	ug/l	91
31) Cyclohexane	8.218	56	4833	1.202	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	17731	4.518	ug/l #	51
37) Ethyl Acetate	7.559	43	4075	1.029	ug/l #	87
38) Carbon Tetrachloride	8.224	117	21601	4.808	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1213	0.273	ug/l #	76
43) Isopropyl Acetate	8.682	43	232789	36.674	ug/l #	83
45) 1,2-Dichloropropane	9.735	63	2084	0.692	ug/l #	43
48) Methyl methacrylate	9.735	41	160618	56.228	ug/l #	45
49) 1,4-Dioxane	9.741	88	390	8.107	ug/l #	1
51) 4-Methyl-2-Pentanone	10.353	43	118203	32.091	ug/l #	50
53) t-1,3-Dichloropropene	10.723	75	1299	0.310	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	60083	13.442	ug/l #	66
56) Ethyl methacrylate	10.982	69	2757	2.513	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8552	1.819	ug/l #	43
59) 2-Hexanone	11.200	43	92908	35.847	ug/l #	61
71) Bromoform	12.847	173	1200	0.560	ug/l #	1
74) N-amyl acetate	12.482	43	2309	0.581	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	77138	28.976	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77138	78.396	ug/l #	3

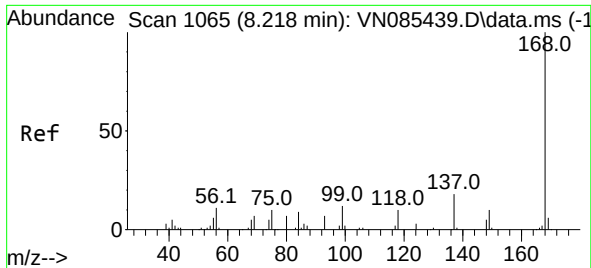
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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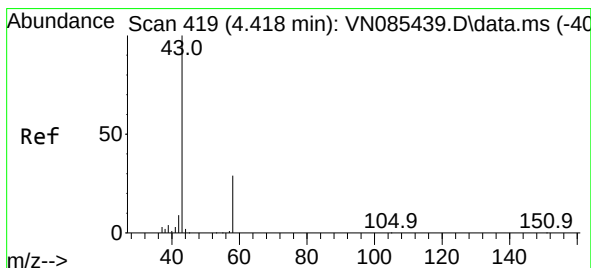
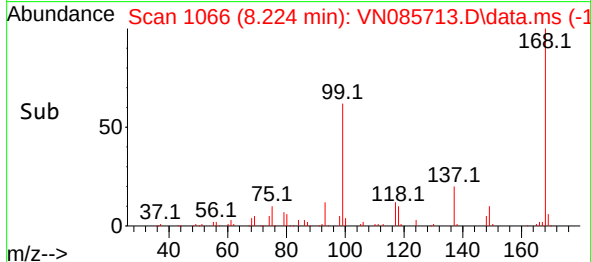
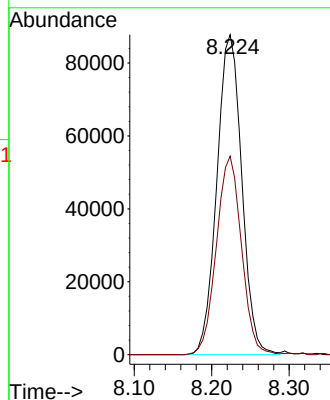
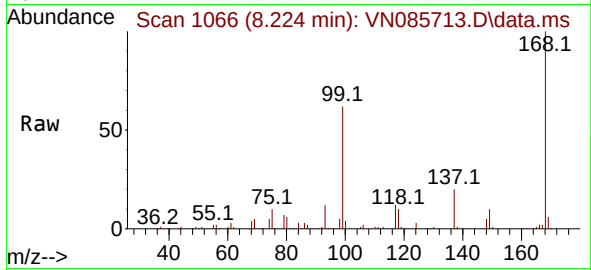




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

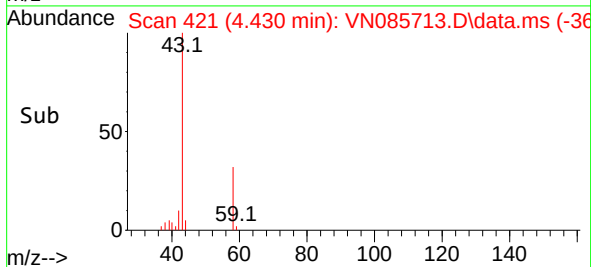
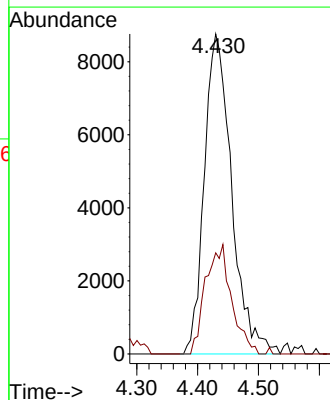
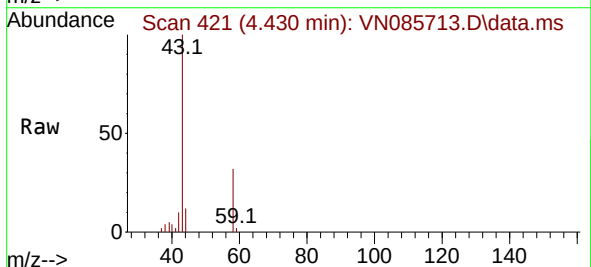
Instrument :
MSVOA_N
ClientSampleId :
WC-6

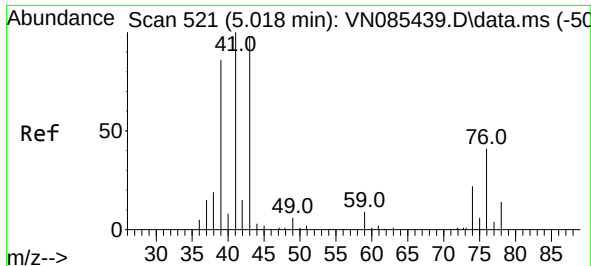
Tgt Ion:168 Resp: 196218
Ion Ratio Lower Upper
168 100
99 62.1 53.6 80.4



#16
Acetone
Concen: 26.663 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

Tgt Ion: 43 Resp: 27287
Ion Ratio Lower Upper
43 100
58 31.6 23.8 35.6

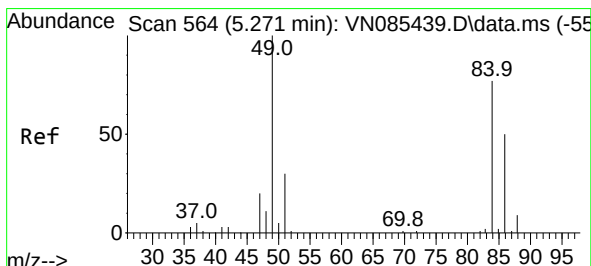
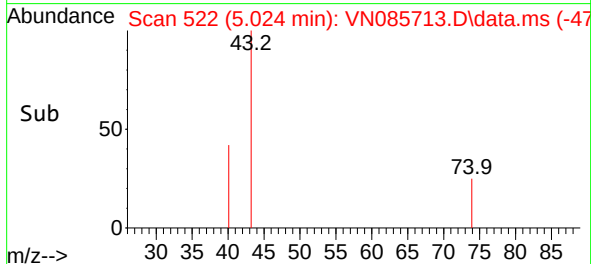
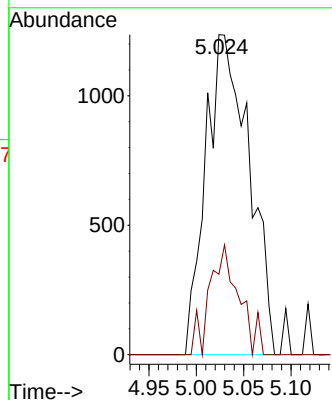
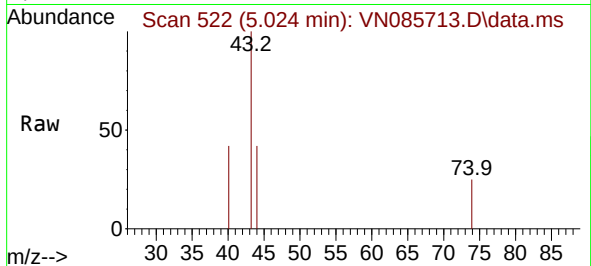




#18
Methyl Acetate
Concen: 1.264 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

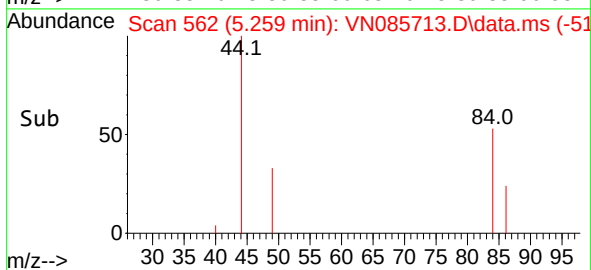
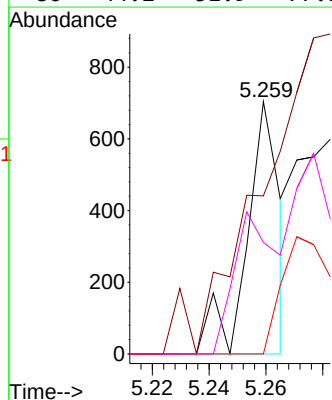
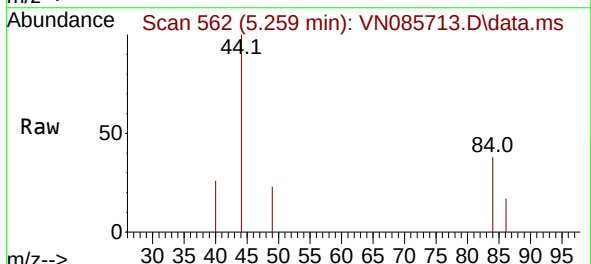
Instrument :
MSVOA_N
ClientSampleId :
WC-6

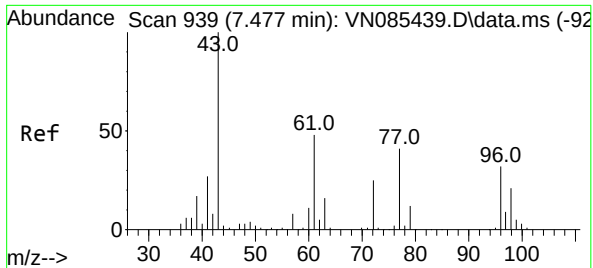
Tgt Ion: 43 Resp: 3935
Ion Ratio Lower Upper
43 100
74 23.2 18.6 28.0



#20
Methylene Chloride
Concen: 0.224 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.012 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

Tgt Ion: 84 Resp: 567
Ion Ratio Lower Upper
84 100
49 36.6 104.1 156.1#
51 0.0 31.0 46.4#
86 44.2 51.9 77.9#

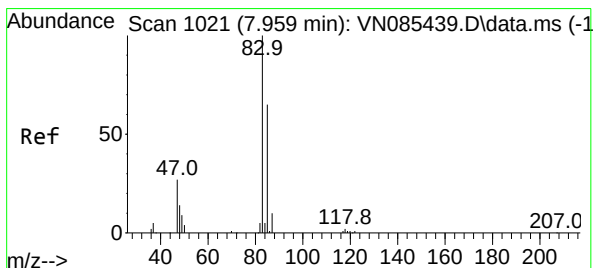
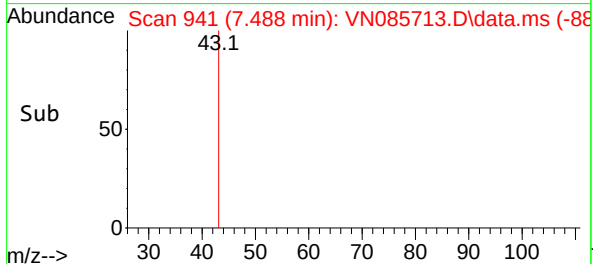
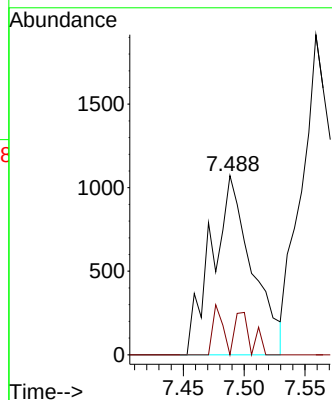
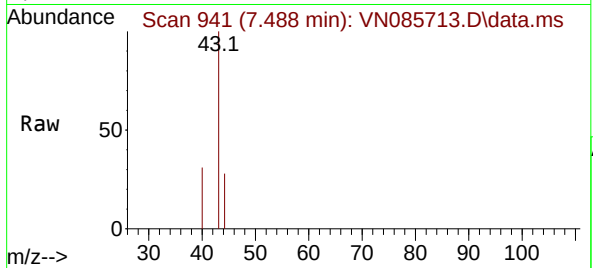




#25
2-Butanone
Concen: 1.641 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

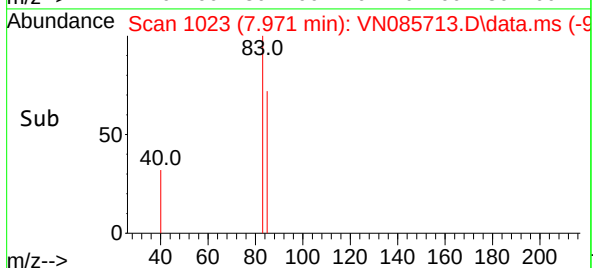
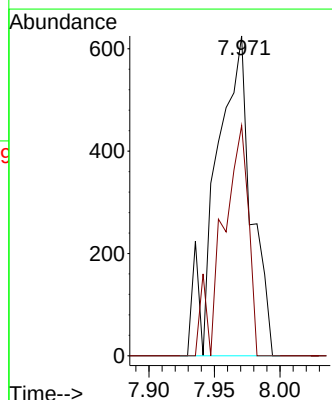
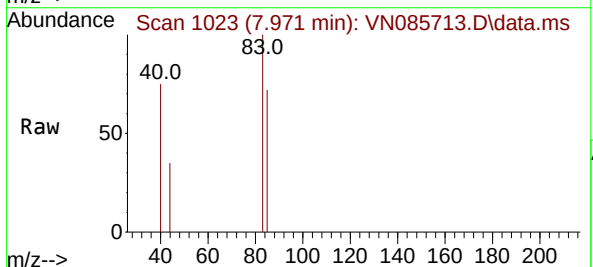
Instrument :
MSVOA_N
ClientSampleId :
WC-6

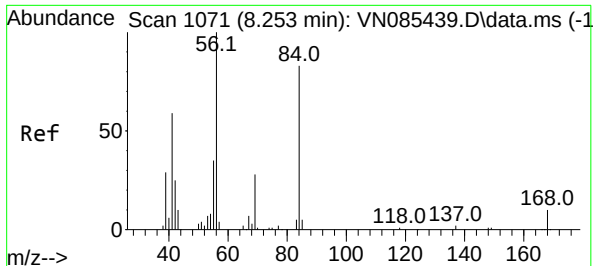
Tgt Ion: 43 Resp: 2471
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#



#30
Chloroform
Concen: 0.242 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.012 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

Tgt Ion: 83 Resp: 1156
Ion Ratio Lower Upper
83 100
85 72.0 51.8 77.6





#31

Cyclohexane

Concen: 1.202 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085713.D

Acq: 07 Feb 2025 21:54

Instrument :

MSVOA_N

ClientSampleId :

WC-6

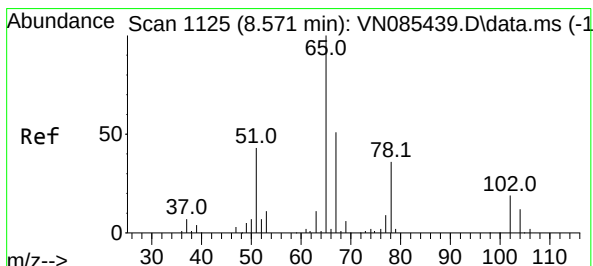
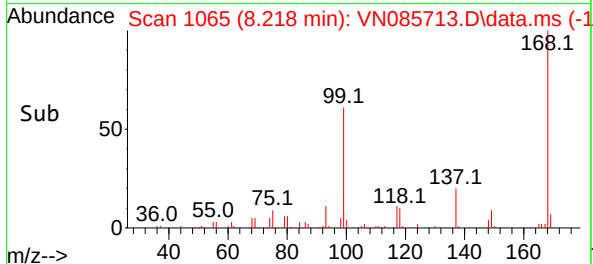
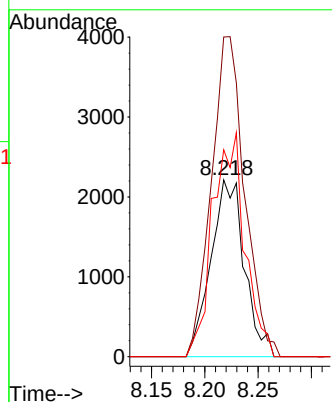
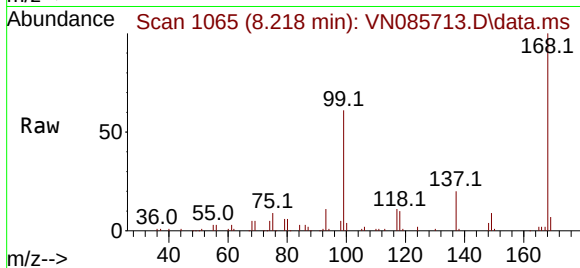
Tgt Ion: 56 Resp: 4833

Ion Ratio Lower Upper

56 100

69 180.8 22.2 33.4#

84 117.0 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 54.634 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085713.D

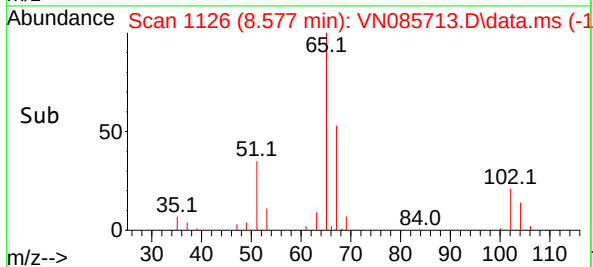
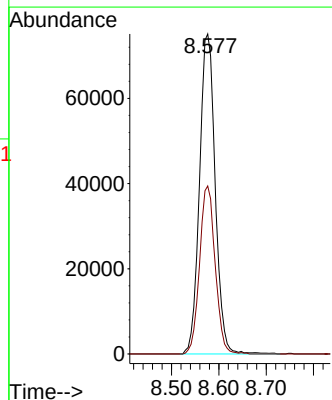
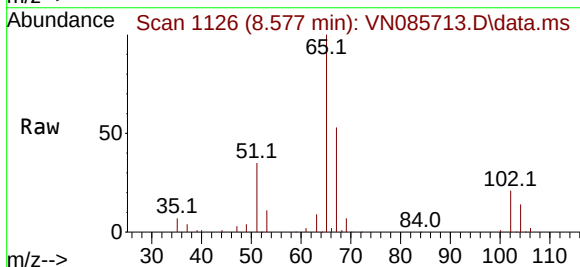
Acq: 07 Feb 2025 21:54

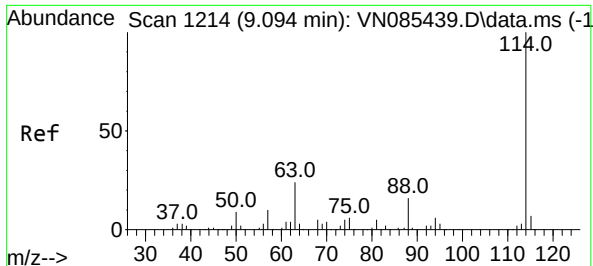
Tgt Ion: 65 Resp: 173046

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085713.D

Acq: 07 Feb 2025 21:54

Instrument :

MSVOA_N

ClientSampleId :

WC-6

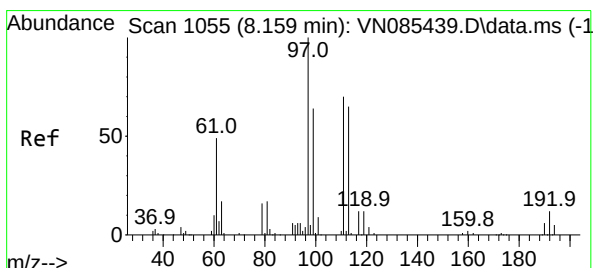
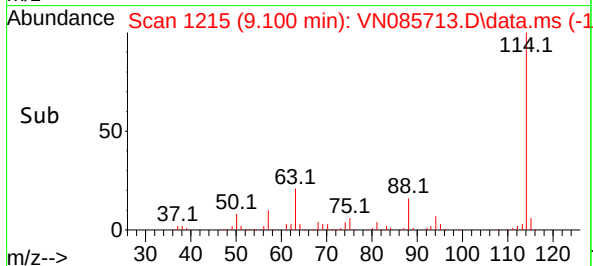
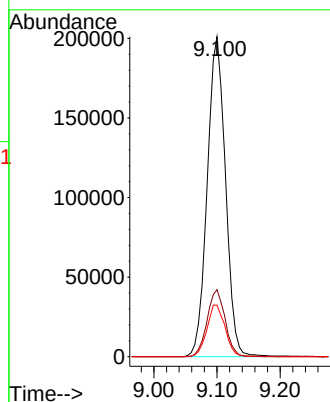
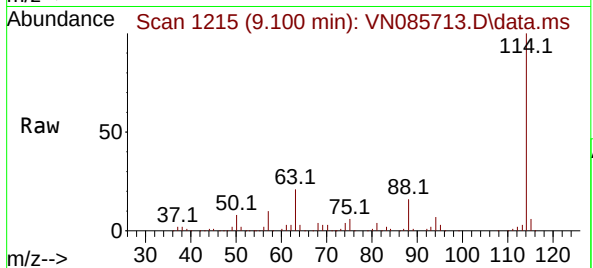
Tgt Ion:114 Resp: 403083

Ion Ratio Lower Upper

114 100

63 21.0 0.0 47.6

88 16.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.777 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085713.D

Acq: 07 Feb 2025 21:54

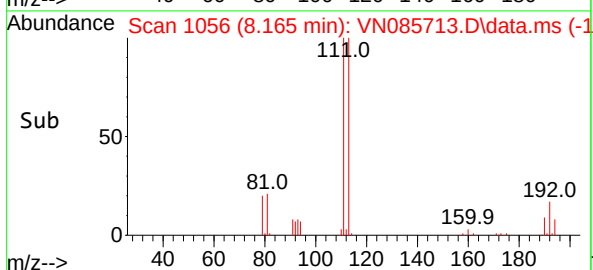
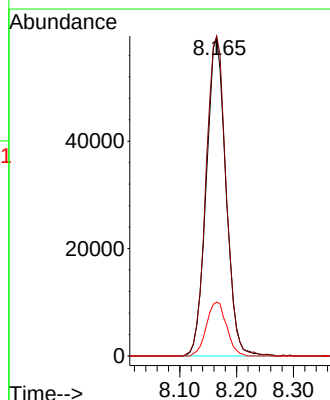
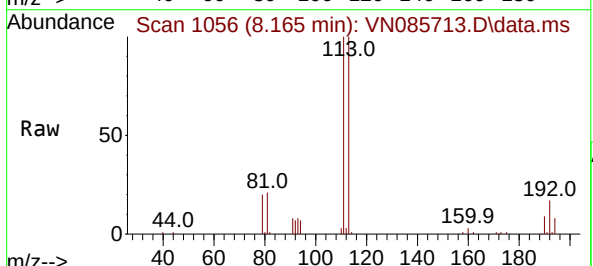
Tgt Ion:113 Resp: 141994

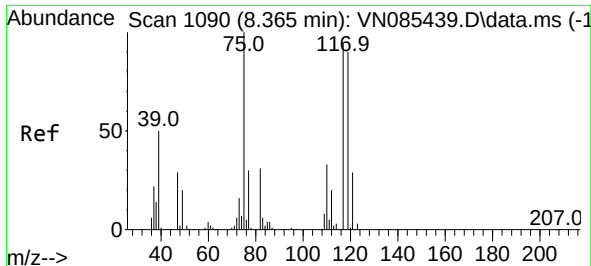
Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

192 17.3 14.3 21.5

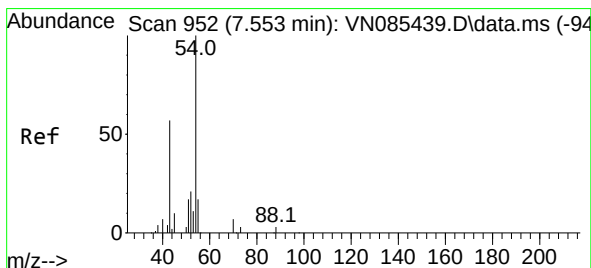
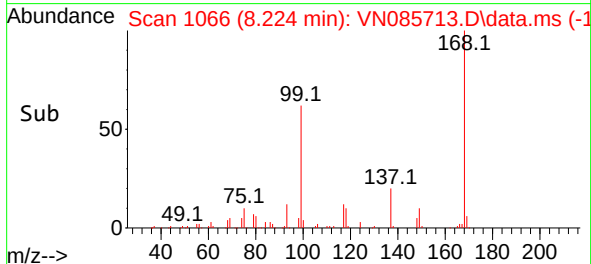
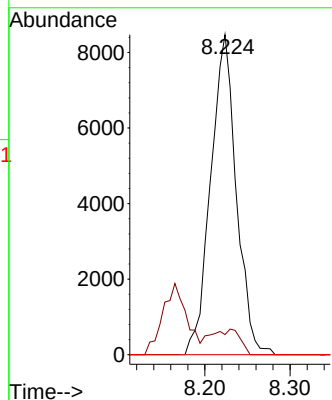
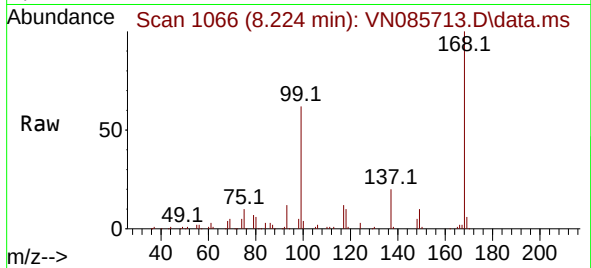




#36
1,1-Dichloropropene
Concen: 4.518 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

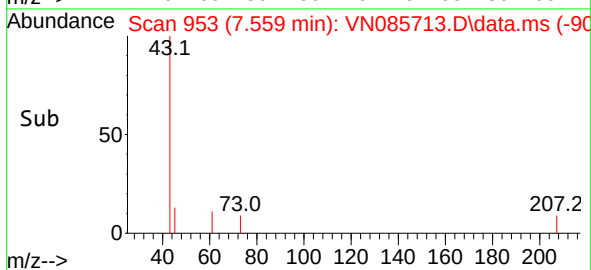
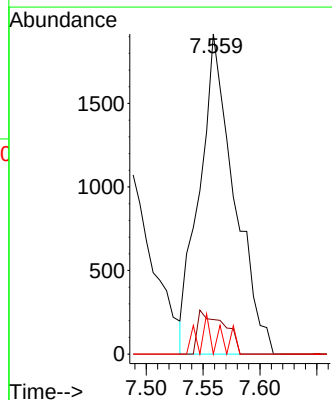
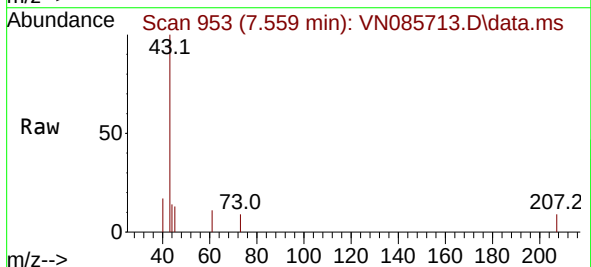
Instrument :
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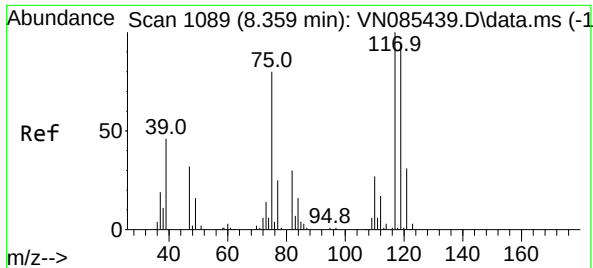
Tgt Ion: 75 Resp: 17731
Ion Ratio Lower Upper
75 100
110 8.4 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.029 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.006 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

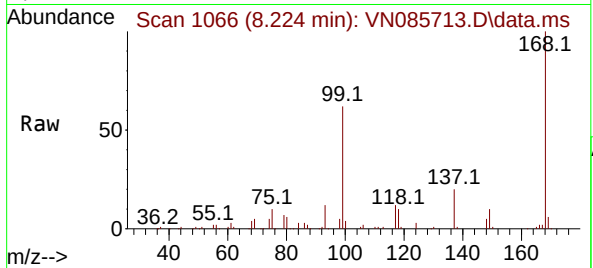
Tgt Ion: 43 Resp: 4075
Ion Ratio Lower Upper
43 100
61 10.3 10.9 16.3#
70 2.1 7.5 11.3#



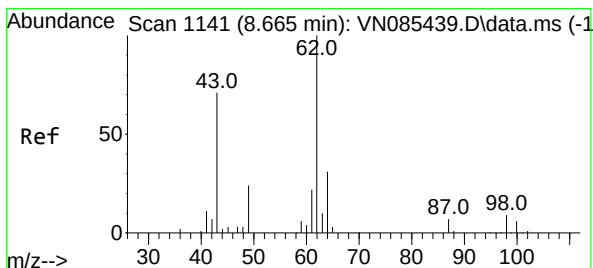
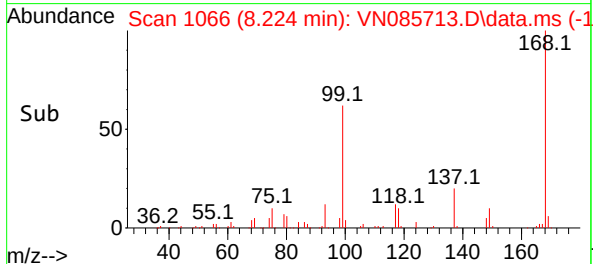
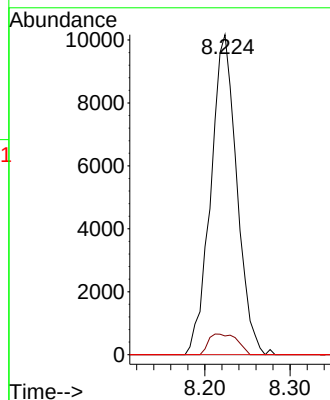


#38
Carbon Tetrachloride
Concen: 4.808 ug/l
RT: 8.224 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

Instrument :
MSVOA_N
ClientSampleId :
WC-6

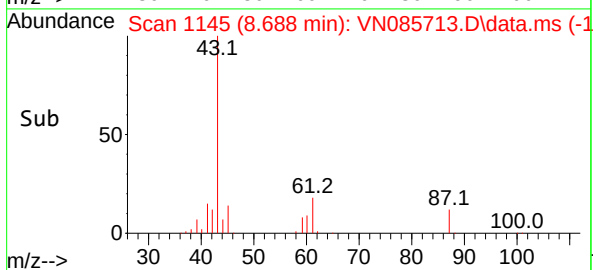
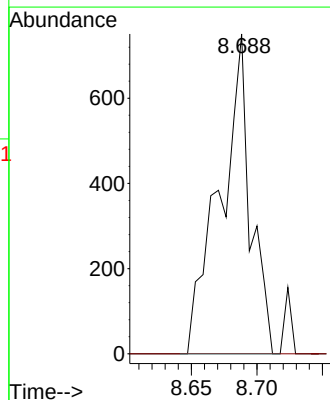
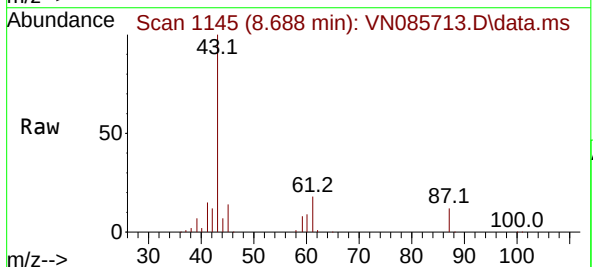


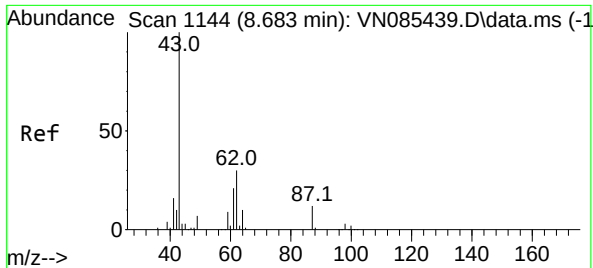
Tgt Ion:117 Resp: 21601
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.273 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.023 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

Tgt Ion: 62 Resp: 1213
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

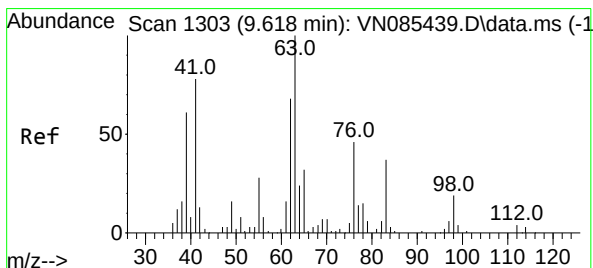
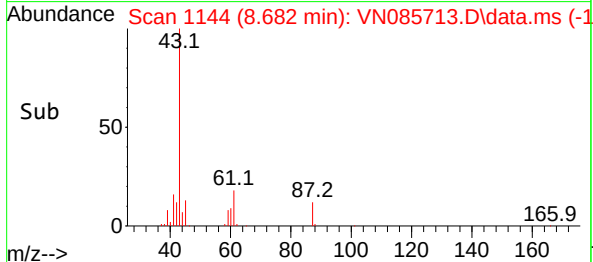
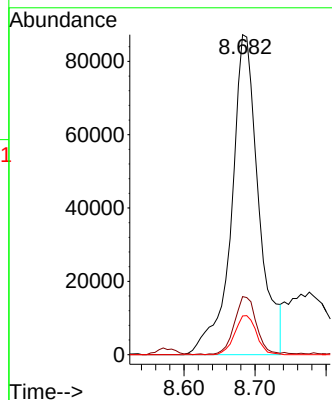
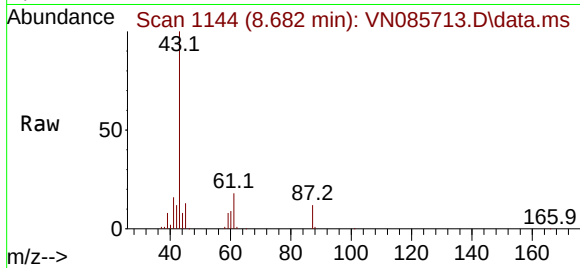




#43
Isopropyl Acetate
Concen: 36.674 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

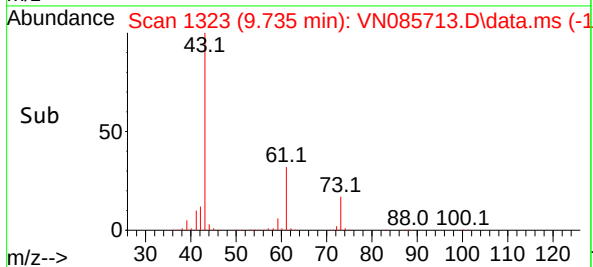
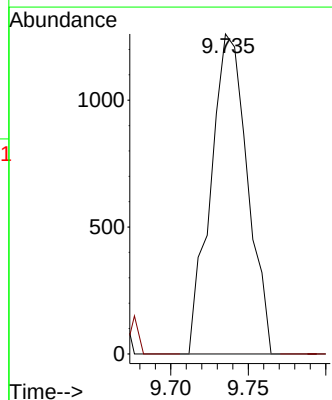
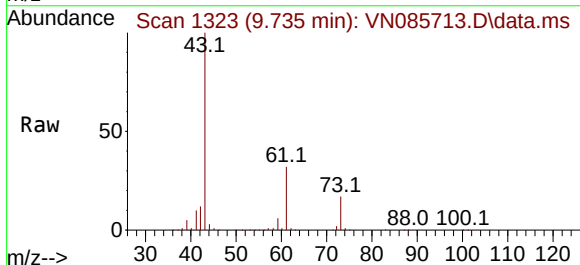
Instrument :
MSVOA_N
ClientSampleId :
WC-6

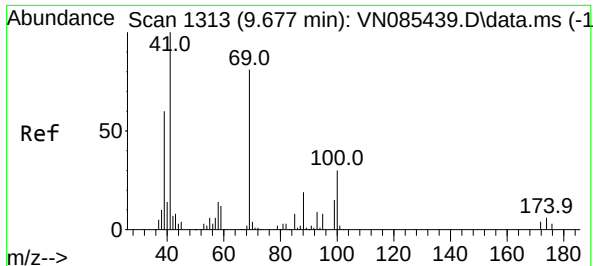
Tgt Ion: 43 Resp: 232789
Ion Ratio Lower Upper
43 100
61 14.9 20.7 31.1#
87 9.7 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 0.692 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

Tgt Ion: 63 Resp: 2084
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 56.228 ug/l

RT: 9.735 min Scan# 1

Delta R.T. 0.058 min

Lab File: VN085713.D

Acq: 07 Feb 2025 21:54

Instrument :

MSVOA_N

ClientSampleId :

WC-6

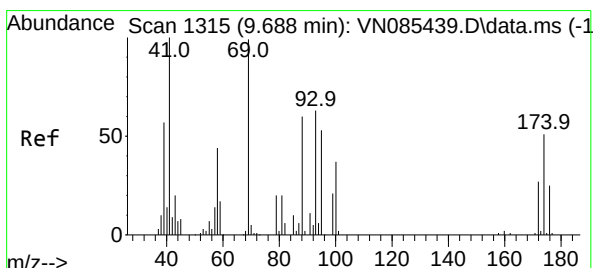
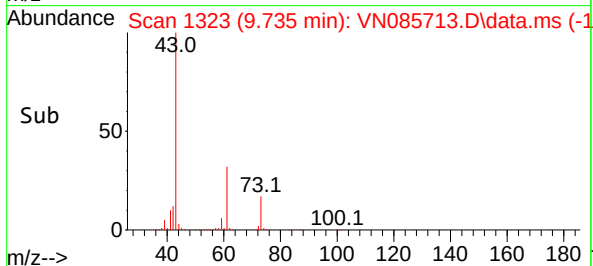
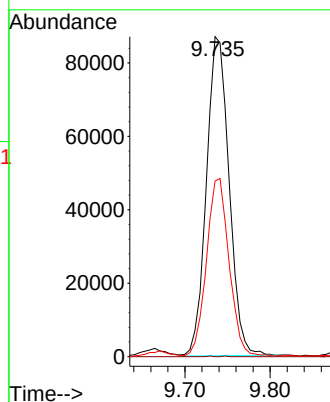
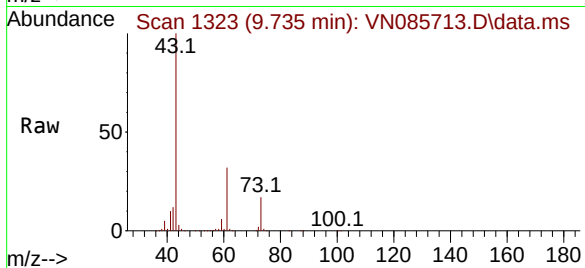
Tgt Ion: 41 Resp: 160618

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 55.5 49.0 73.6



#49

1,4-Dioxane

Concen: 8.107 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.053 min

Lab File: VN085713.D

Acq: 07 Feb 2025 21:54

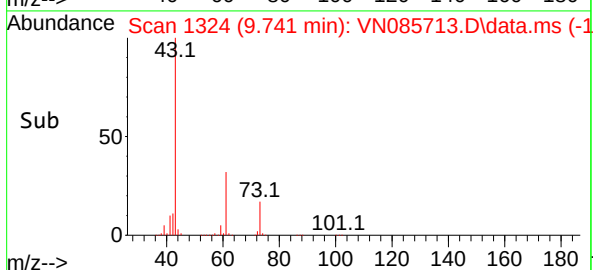
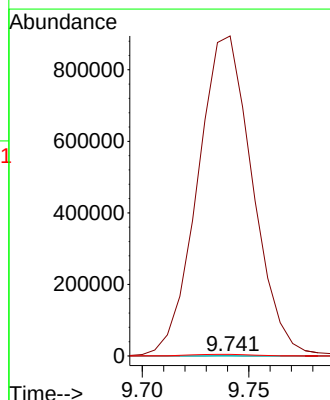
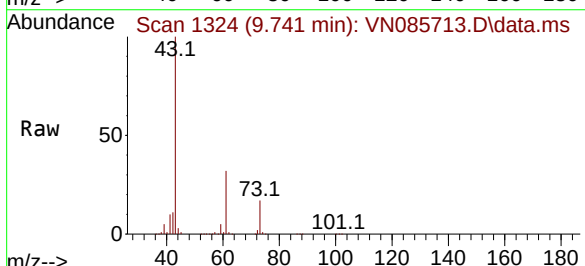
Tgt Ion: 88 Resp: 390

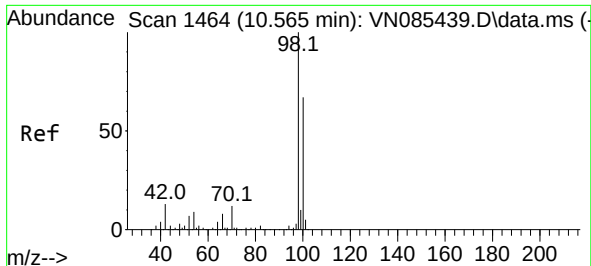
Ion Ratio Lower Upper

88 100

43 413190.0 26.6 39.8#

58 2454.9 59.5 89.3#

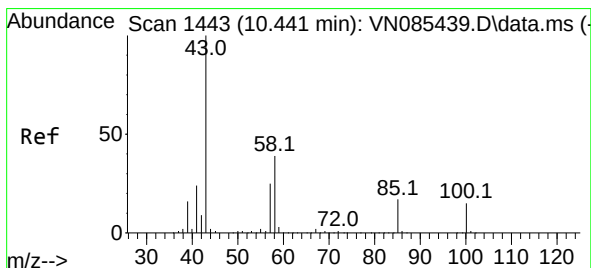
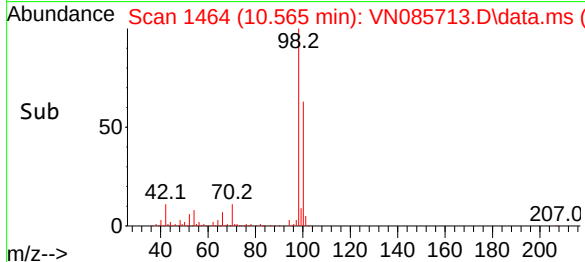
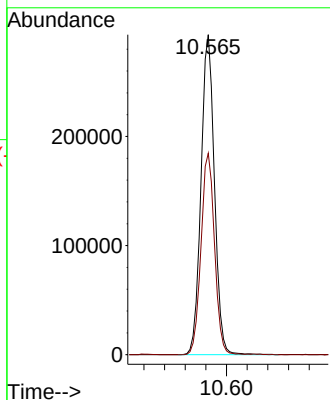
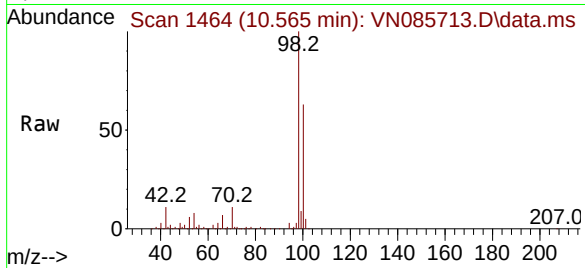




#50
Toluene-d8
Concen: 53.142 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

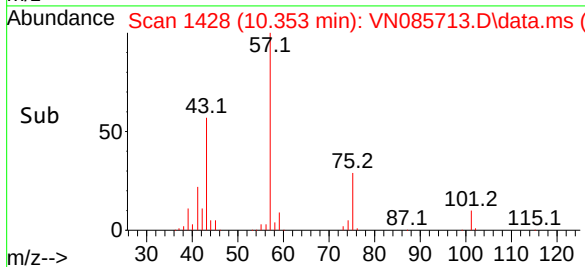
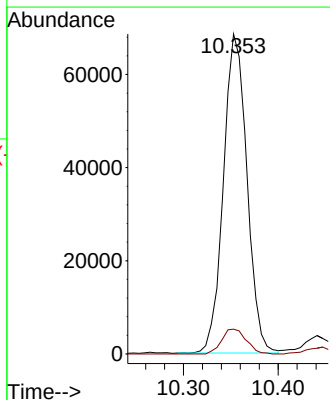
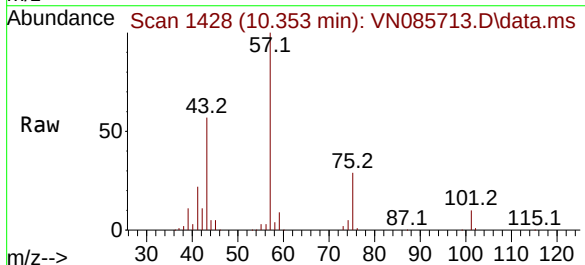
Instrument :
MSVOA_N
ClientSampleId :
WC-6

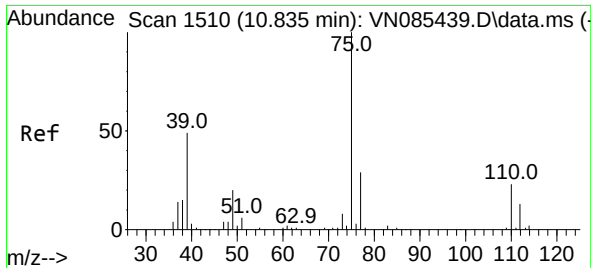
Tgt Ion: 98 Resp: 527993
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 32.091 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. -0.088 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

Tgt Ion: 43 Resp: 118203
Ion Ratio Lower Upper
43 100
58 8.1 30.5 45.7#

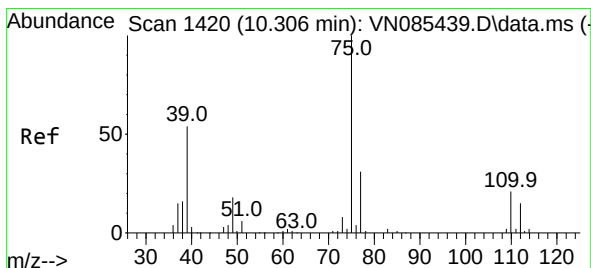
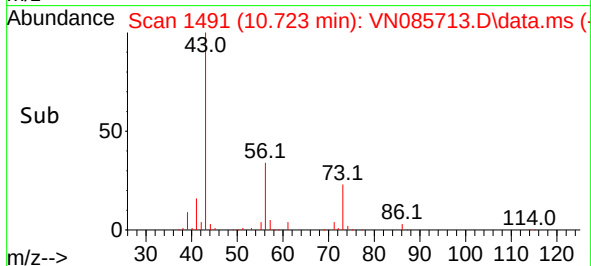
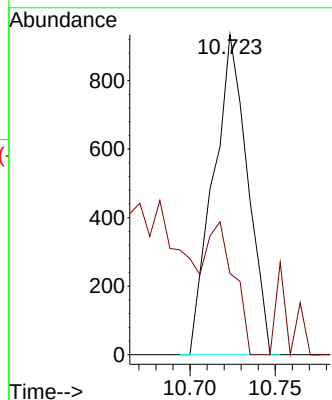
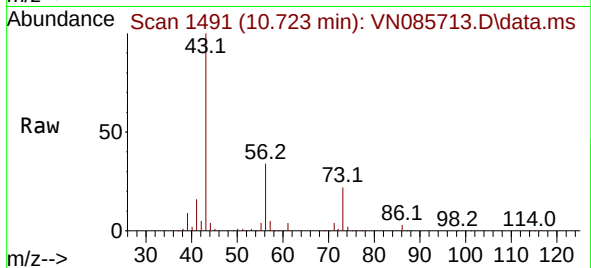




#53
 t-1,3-Dichloropropene
 Concen: 0.310 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085713.D
 Acq: 07 Feb 2025 21:54

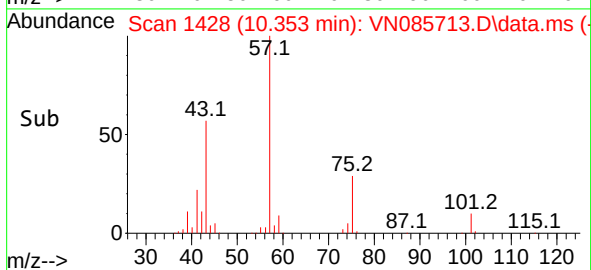
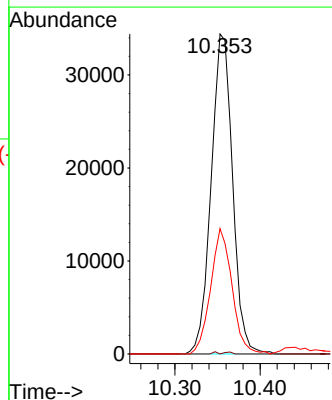
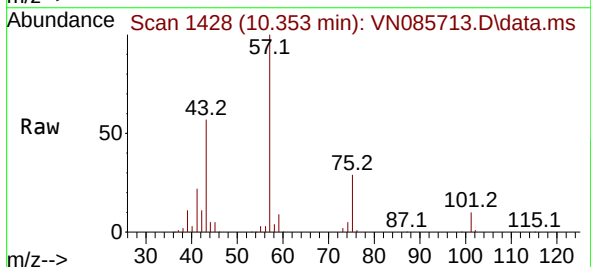
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-6

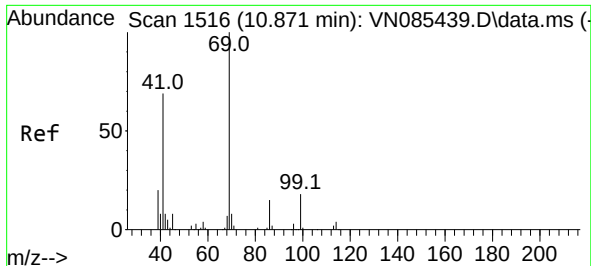
Tgt Ion: 75 Resp: 1299
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 13.442 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085713.D
 Acq: 07 Feb 2025 21:54

Tgt Ion: 75 Resp: 60083
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 39.2 43.1 64.7#

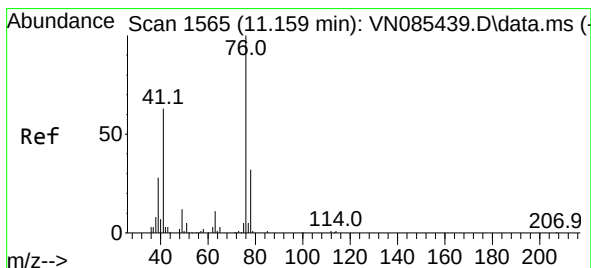
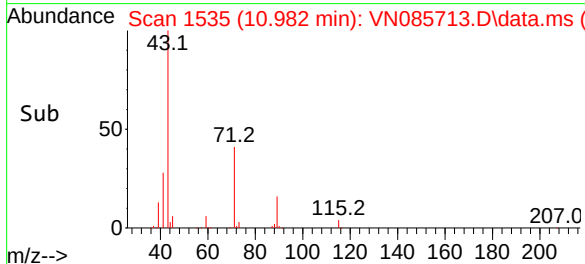
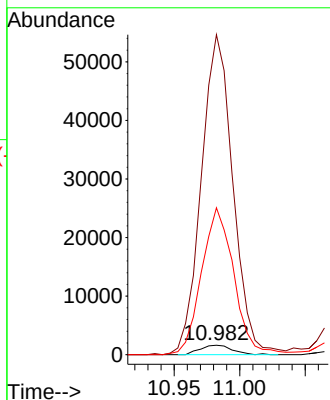
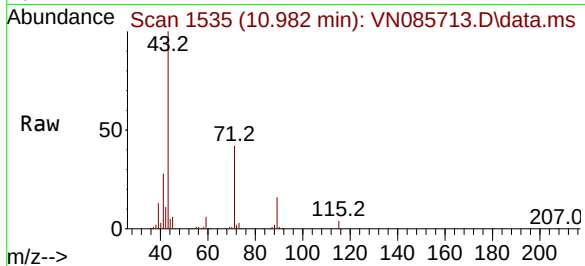




#56
Ethyl methacrylate
Concen: 2.513 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

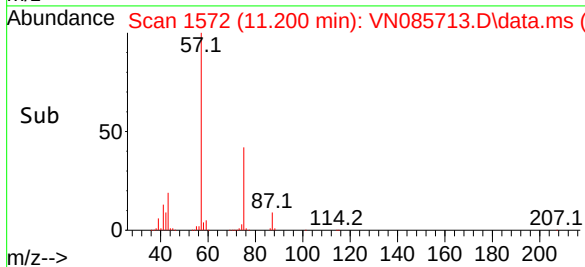
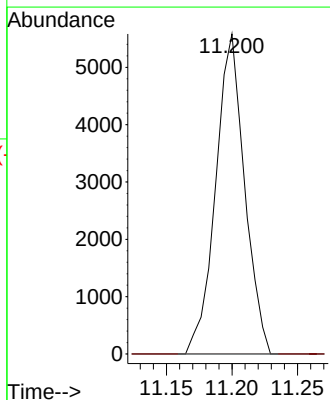
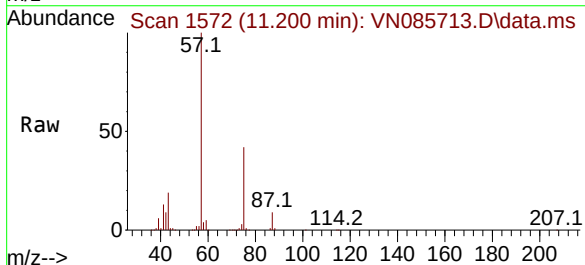
Instrument :
MSVOA_N
ClientSampleId :
WC-6

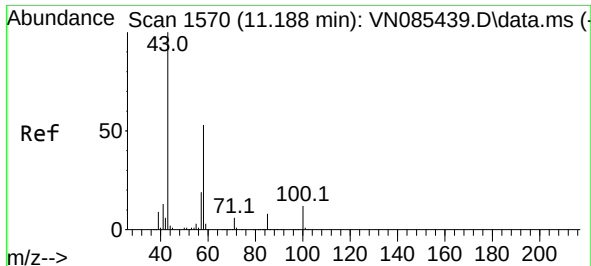
Tgt Ion: 69 Resp: 2757
Ion Ratio Lower Upper
69 100
41 3338.9 54.6 82.0#
39 1557.7 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.819 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

Tgt Ion: 76 Resp: 8552
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

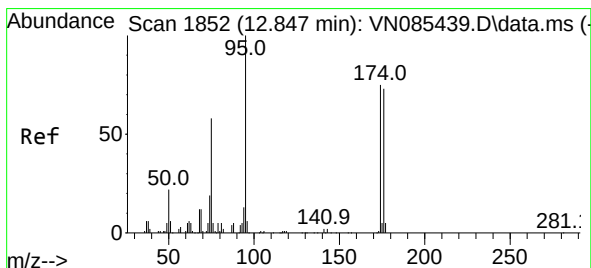
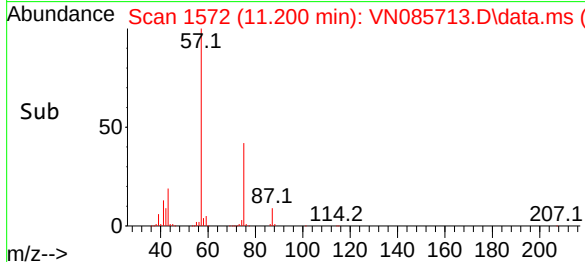
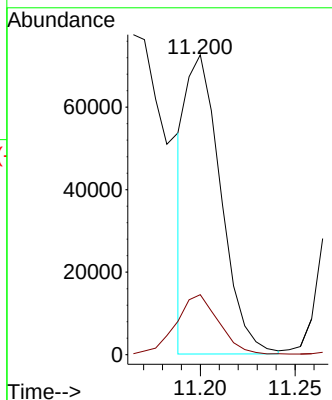
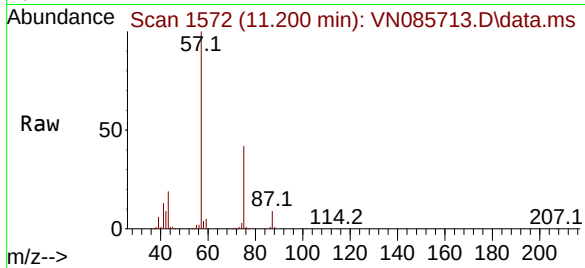




#59
2-Hexanone
Concen: 35.847 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

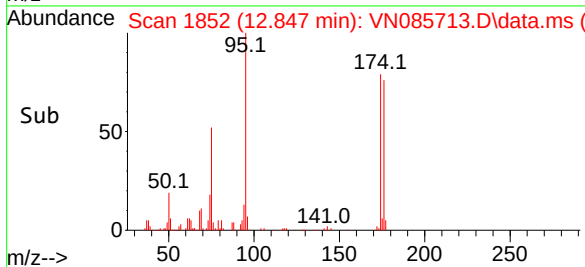
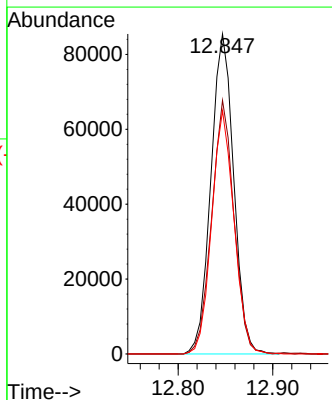
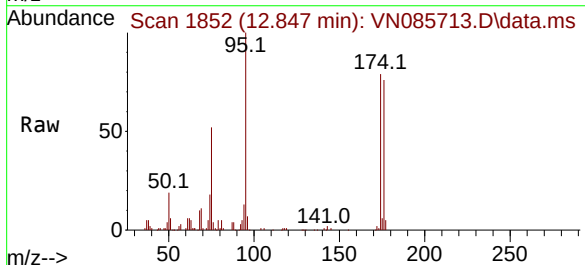
Instrument :
MSVOA_N
ClientSampleId :
WC-6

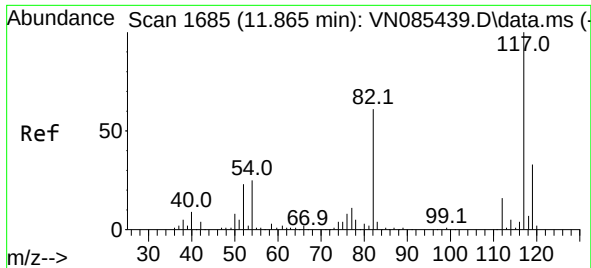
Tgt Ion: 43 Resp: 92908
Ion Ratio Lower Upper
43 100
58 25.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 42.083 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

Tgt Ion: 95 Resp: 143029
Ion Ratio Lower Upper
95 100
174 77.5 0.0 145.0
176 74.4 0.0 142.4

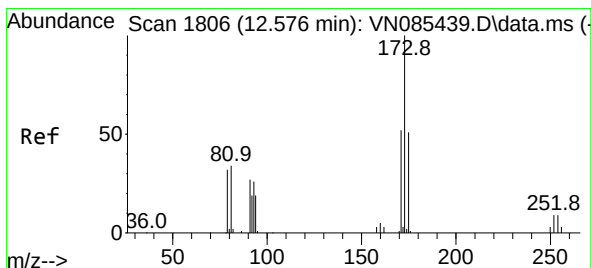
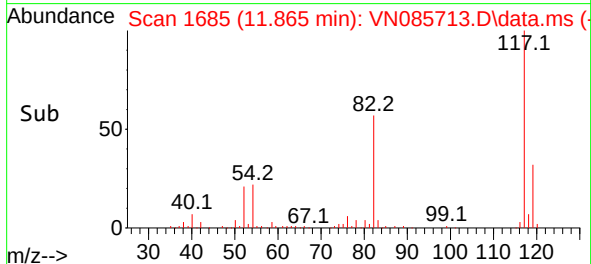
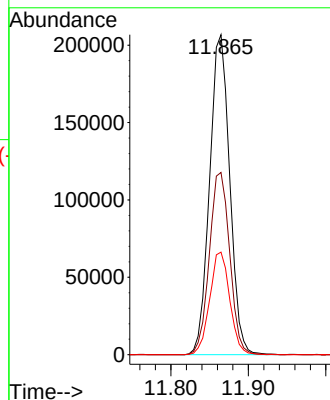
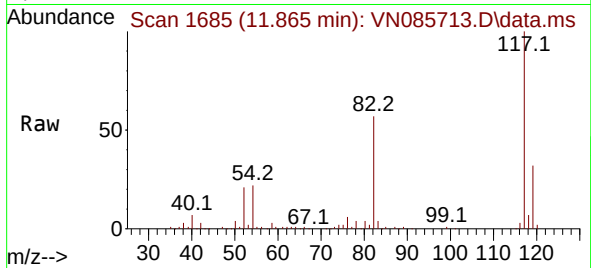




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

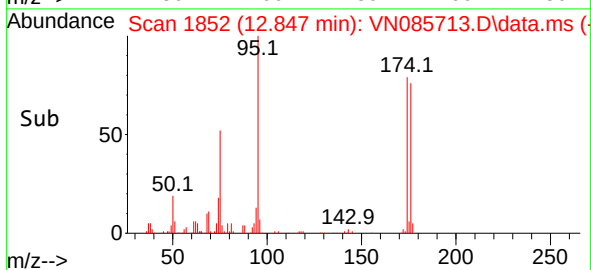
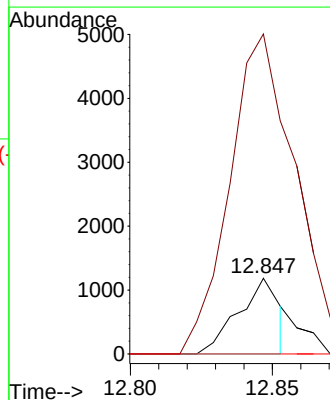
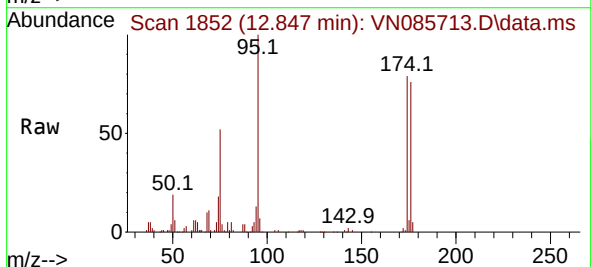
Instrument :
MSVOA_N
ClientSampleId :
WC-6

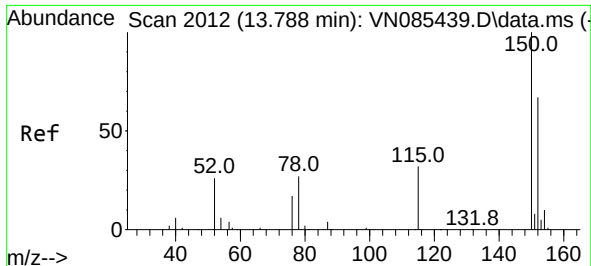
Tgt Ion:117 Resp: 372752
Ion Ratio Lower Upper
117 100
82 57.0 48.6 72.8
119 32.0 26.6 39.8



#71
Bromoform
Concen: 0.560 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN085713.D
Acq: 07 Feb 2025 21:54

Tgt Ion:173 Resp: 1200
Ion Ratio Lower Upper
173 100
175 518.1 24.4 73.2#
254 0.0 0.0 0.0

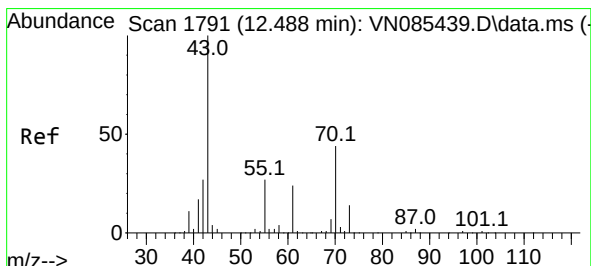
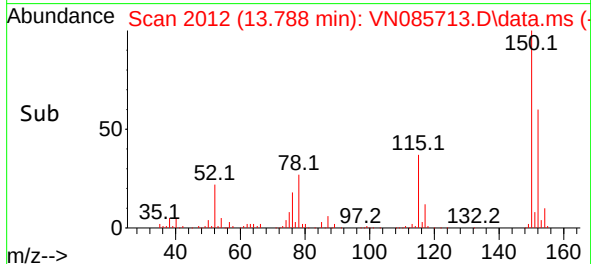
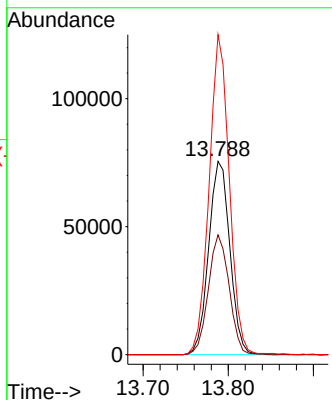
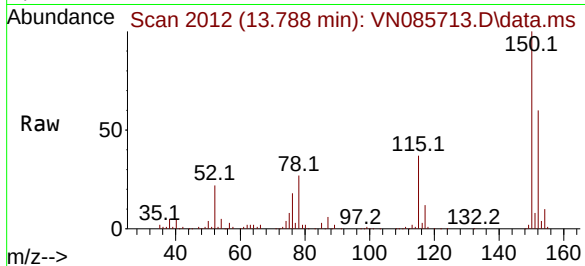




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085713.D
 Acq: 07 Feb 2025 21:54

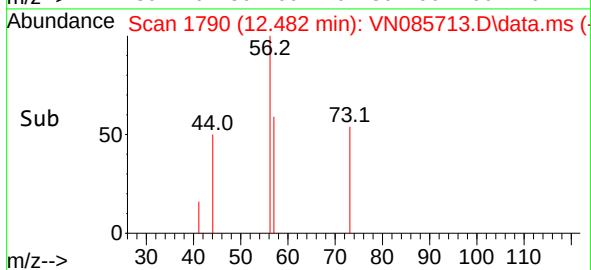
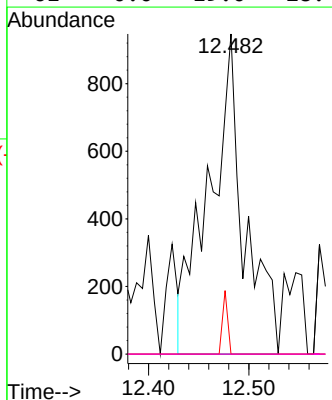
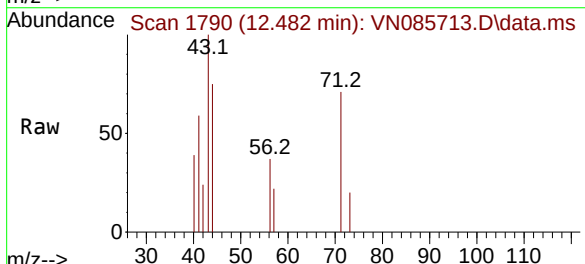
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-6

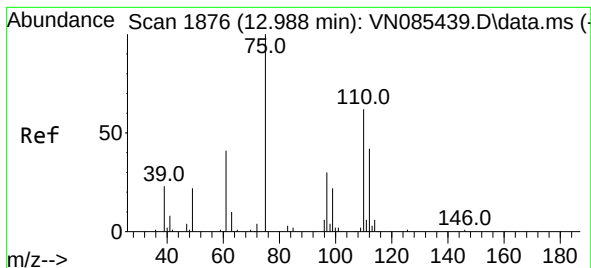
Tgt Ion:152 Resp: 130978
 Ion Ratio Lower Upper
 152 100
 115 60.7 31.1 93.3
 150 157.4 0.0 343.6



#74
 N-ethyl acetate
 Concen: 0.581 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.006 min
 Lab File: VN085713.D
 Acq: 07 Feb 2025 21:54

Tgt Ion: 43 Resp: 2309
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.0 51.0#
 55 2.9 21.4 32.2#
 61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 28.976 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085713.D

Acq: 07 Feb 2025 21:54

Instrument :

MSVOA_N

ClientSampleId :

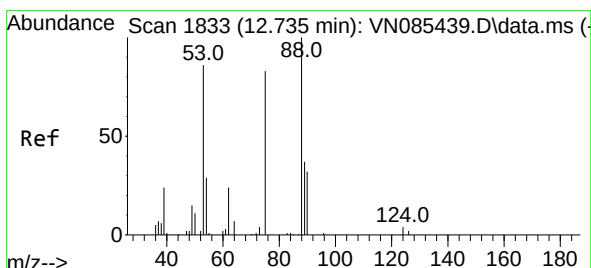
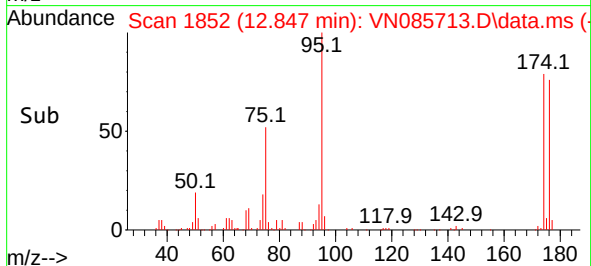
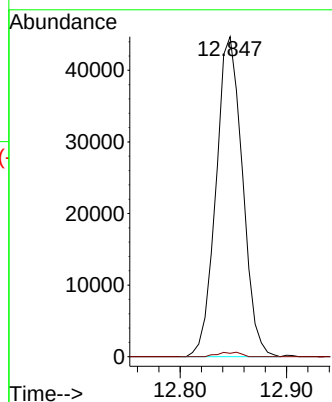
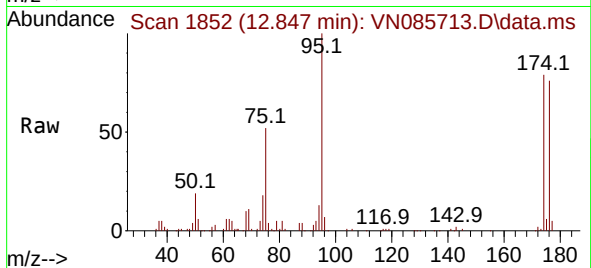
WC-6

Tgt Ion: 75 Resp: 77138

Ion Ratio Lower Upper

75 100

77 1.2 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.396 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085713.D

Acq: 07 Feb 2025 21:54

Tgt Ion: 75 Resp: 77138

Ion Ratio Lower Upper

75 100

53 0.3 95.6 143.4#

89 0.1 37.0 55.6#

