

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040225\
 Data File : VN086210.D
 Acq On : 02 Apr 2025 15:55
 Operator : JC\MD
 Sample : Q1693-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TP-3

Quant Time: Apr 03 01:36:23 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)

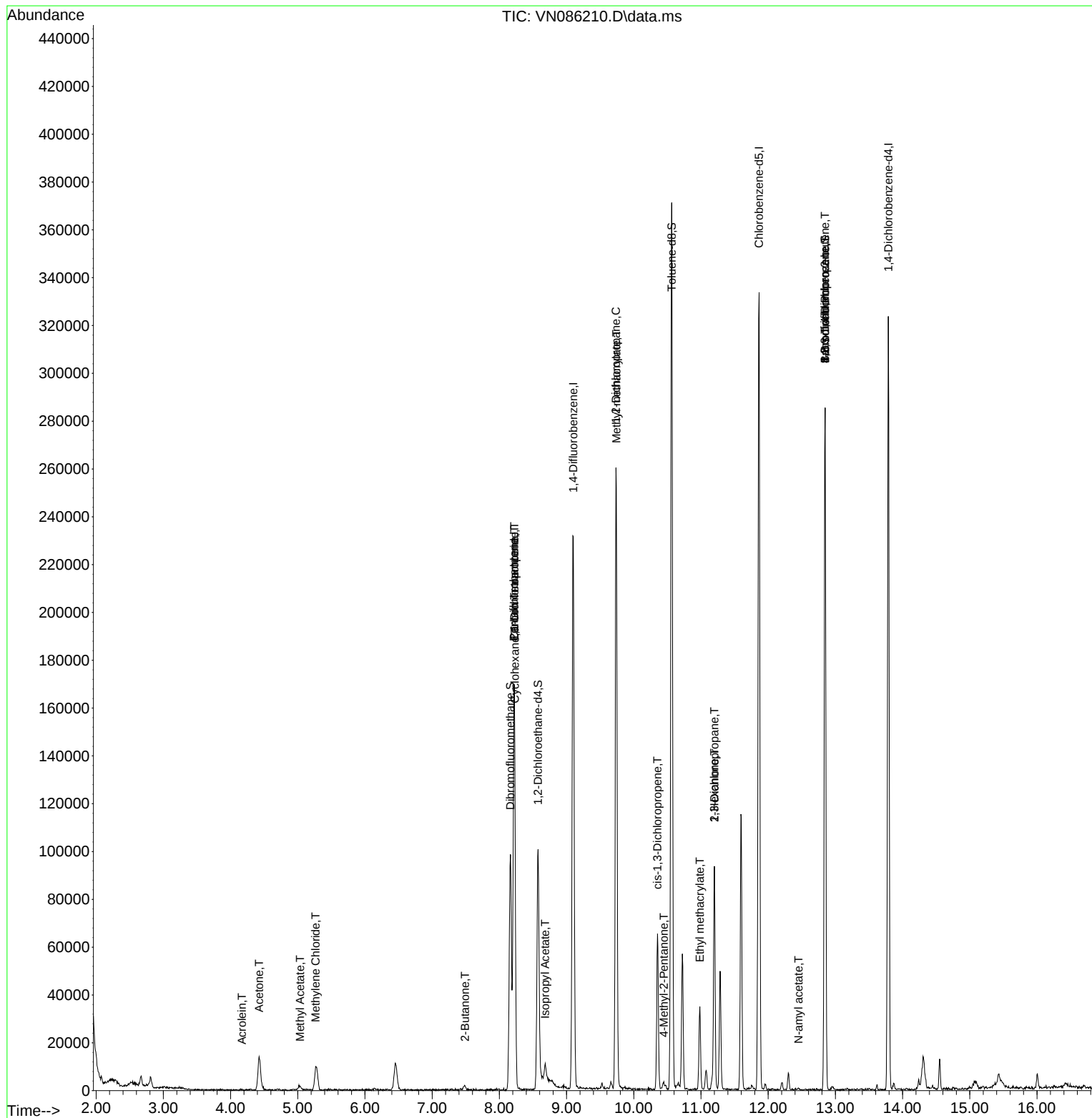
Internal Standards						
1) Pentafluorobenzene	8.218	168	122594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	205461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	195512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	90056	53.645	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.300%			
35) Dibromofluoromethane	8.165	113	68924	48.061	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.120%			
50) Toluene-d8	10.565	98	256921	49.363	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.720%			
62) 4-Bromofluorobenzene	12.847	95	98817	53.237	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.480%			
Target Compounds						
					Qvalue	
13) Acrolein	4.171	56	60	0.237	ug/l #	15
16) Acetone	4.424	43	25397	49.520	ug/l	95
18) Methyl Acetate	5.036	43	3331	2.625	ug/l #	71
20) Methylene Chloride	5.265	84	4842	3.227	ug/l	89
25) 2-Butanone	7.489	43	3346	4.521	ug/l #	83
31) Cyclohexane	8.230	56	2360	1.128	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	9118	4.829	ug/l #	50
38) Carbon Tetrachloride	8.224	117	13087	5.271	ug/l #	18
43) Isopropyl Acetate	8.683	43	7789	2.256	ug/l #	80
45) 1,2-Dichloropropane	9.735	63	295	0.219	ug/l #	44
48) Methyl methacrylate	9.741	41	24240	21.279	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	2105	1.383	ug/l	89
54) cis-1,3-Dichloropropene	10.353	75	12885	5.675	ug/l #	66
56) Ethyl methacrylate	10.982	69	198	0.300	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	1042	0.442	ug/l #	42
59) 2-Hexanone	11.200	43	14948	13.477	ug/l #	40
71) Bromoform	12.847	173	484	0.348	ug/l #	1
74) N-amyl acetate	12.453	43	881	0.435	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	52662	26.508	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	52662	70.083	ug/l #	16

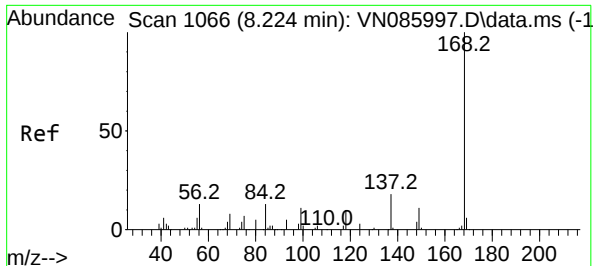
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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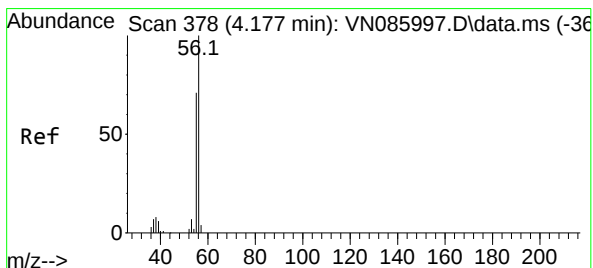
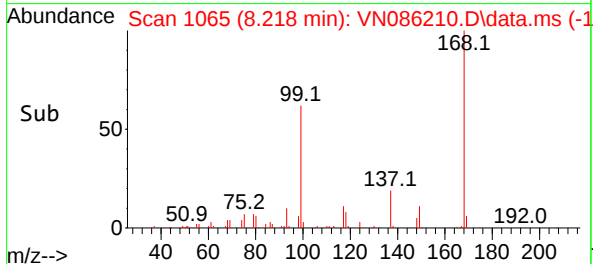
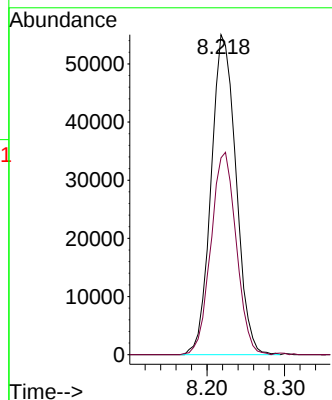
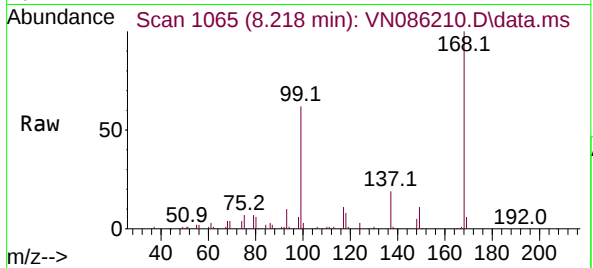




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

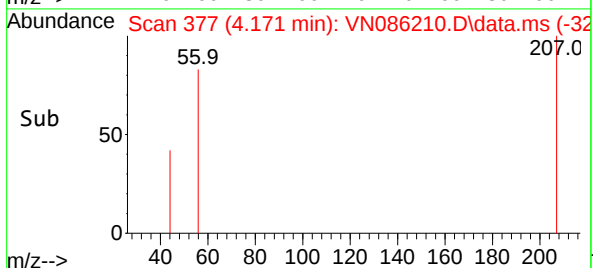
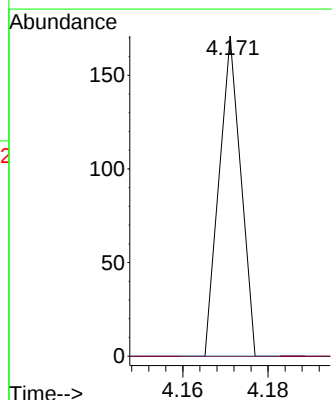
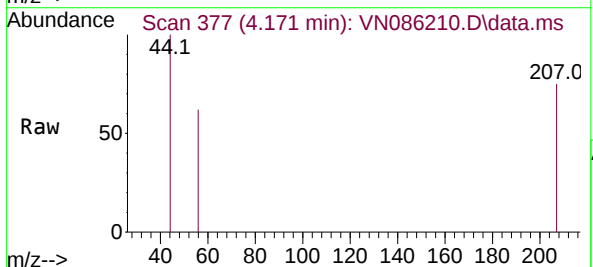
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-3

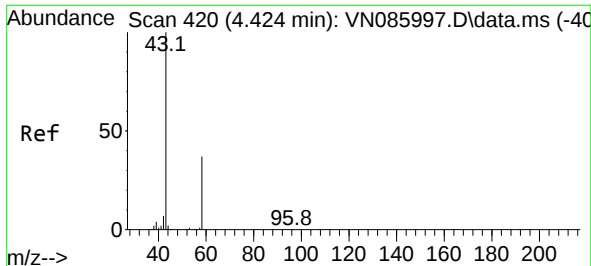
Tgt Ion:168 Resp: 122594
Ion Ratio Lower Upper
168 100
99 61.5 49.4 74.2



#13
Acrolein
Concen: 0.237 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

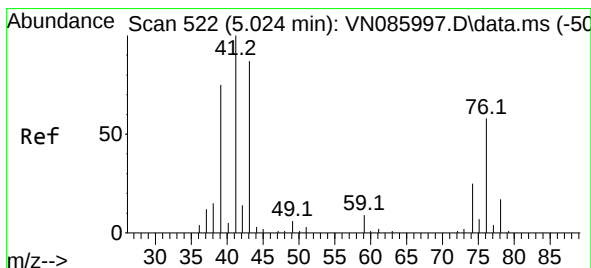
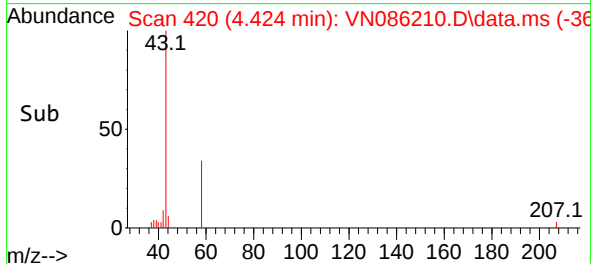
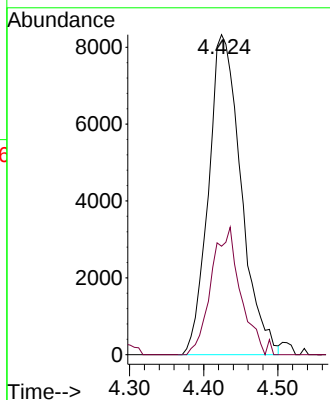
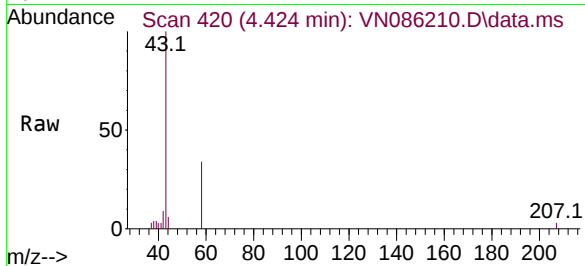




#16
Acetone
Concen: 49.520 ug/l
RT: 4.424 min Scan# 431
Delta R.T. -0.000 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

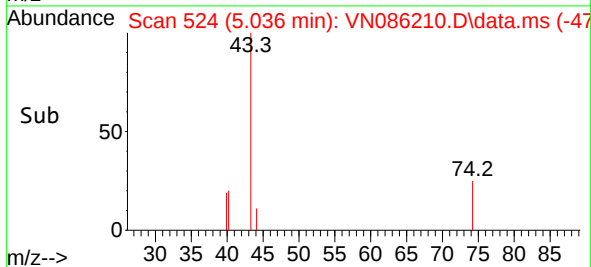
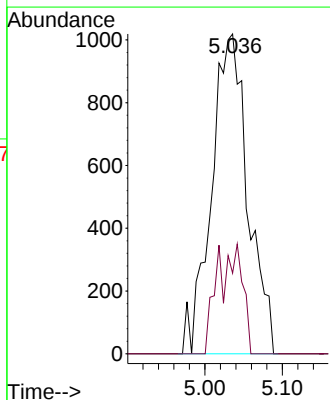
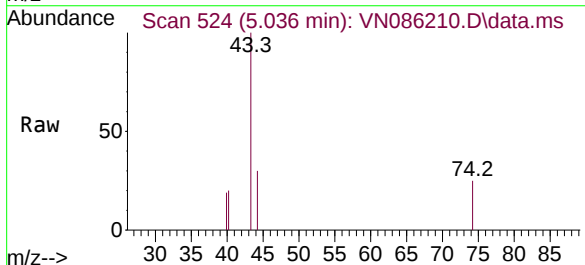
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-3

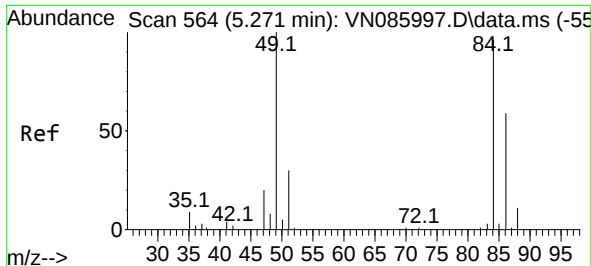
Tgt Ion: 43 Resp: 25397
Ion Ratio Lower Upper
43 100
58 33.9 29.4 44.2



#18
Methyl Acetate
Concen: 2.625 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

Tgt Ion: 43 Resp: 3331
Ion Ratio Lower Upper
43 100
74 14.2 23.9 35.9#



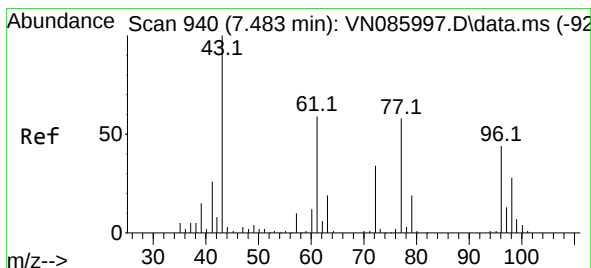
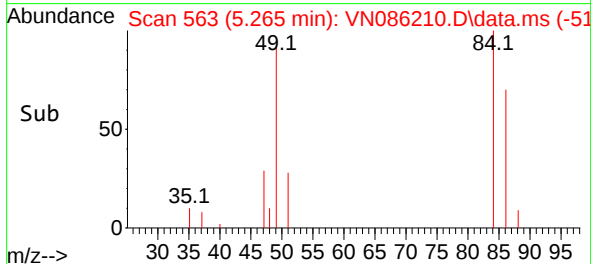
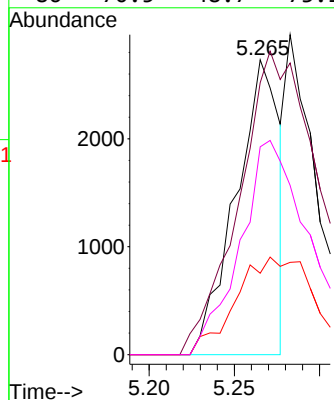
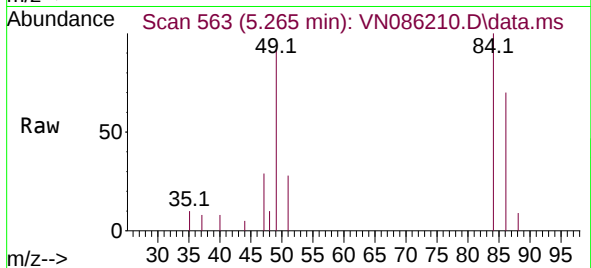


#20
Methylene Chloride
Concen: 3.227 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-3

Tgt Ion: 84 Resp: 4842

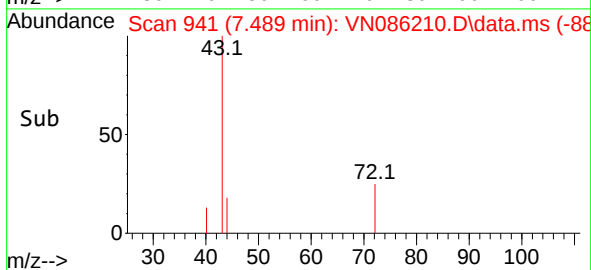
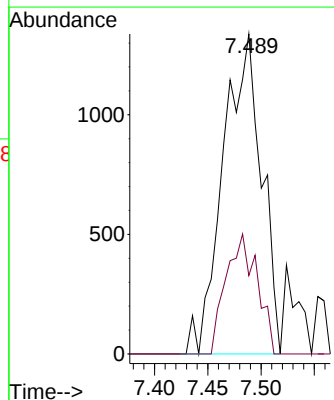
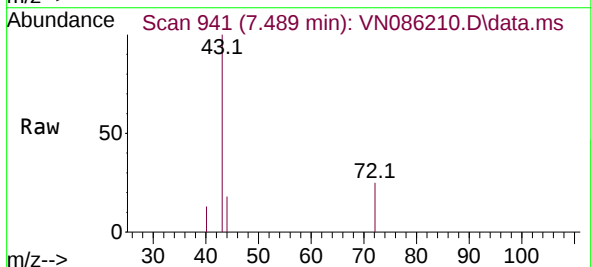
Ion	Ratio	Lower	Upper
84	100		
49	92.3	83.3	124.9
51	27.6	24.8	37.2
86	70.5	48.7	73.1

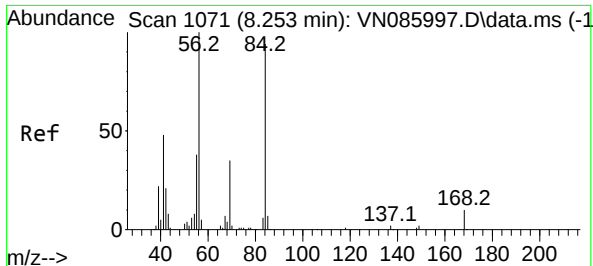


#25
2-Butanone
Concen: 4.521 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

Tgt Ion: 43 Resp: 3346

Ion	Ratio	Lower	Upper
43	100		
72	24.5	27.4	41.0#

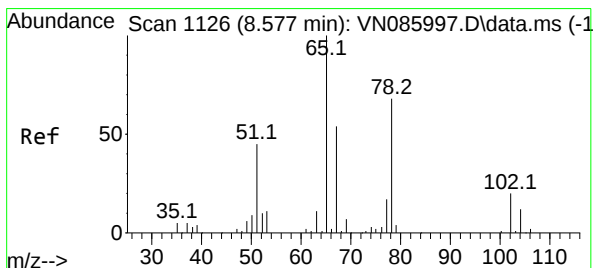
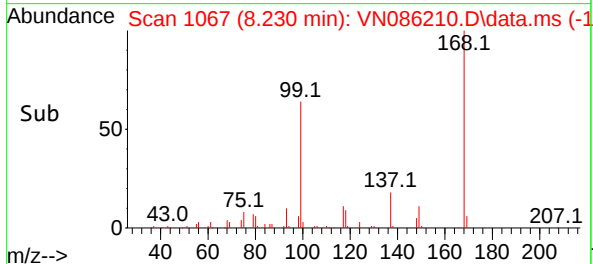
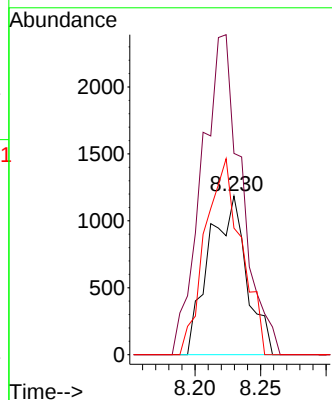
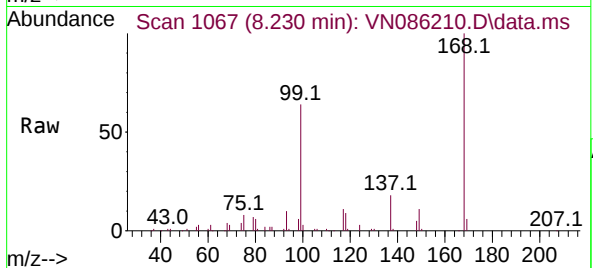




#31
Cyclohexane
Concen: 1.128 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

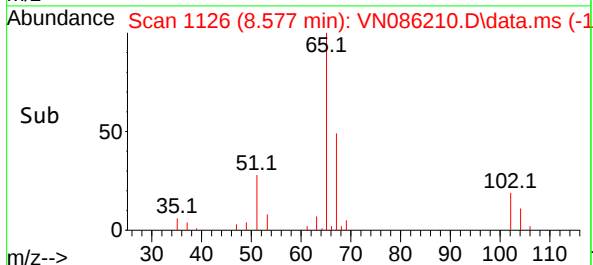
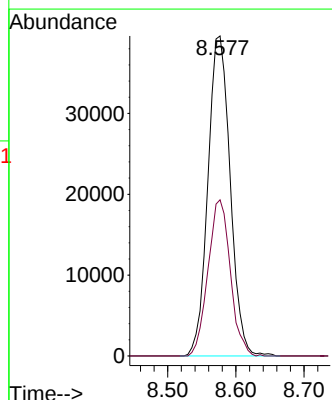
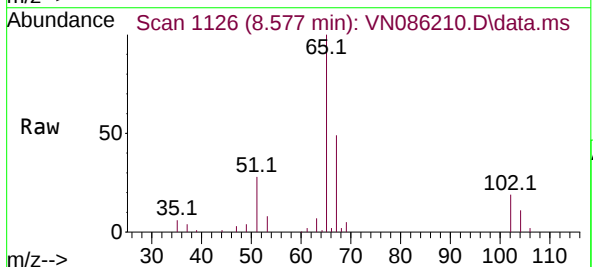
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-3

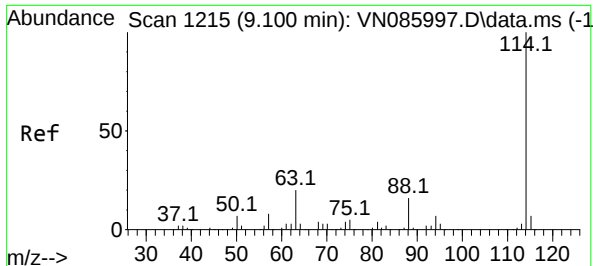
Tgt Ion: 56 Resp: 2360
Ion Ratio Lower Upper
56 100
69 126.9 28.0 42.0#
84 79.7 75.0 112.6



#33
1,2-Dichloroethane-d4
Concen: 53.645 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

Tgt Ion: 65 Resp: 90056
Ion Ratio Lower Upper
65 100
67 48.8 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: VN086210.D

Acq: 02 Apr 2025 15:55

Instrument :

MSVOA_N

ClientSampleId :

WCS-TP-3

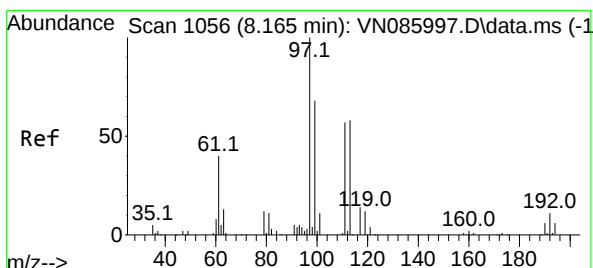
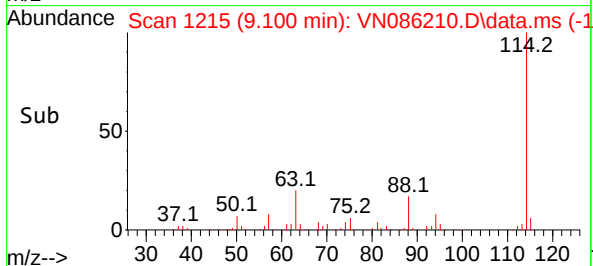
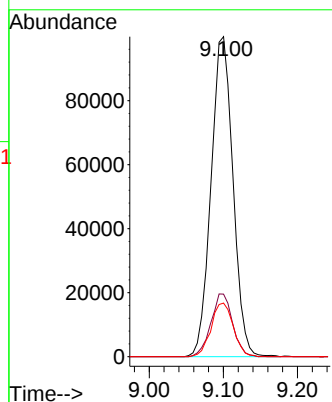
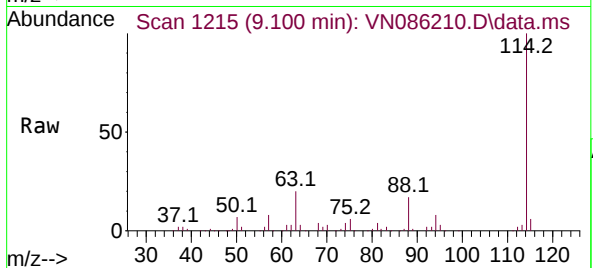
Tgt Ion:114 Resp: 205461

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.061 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086210.D

Acq: 02 Apr 2025 15:55

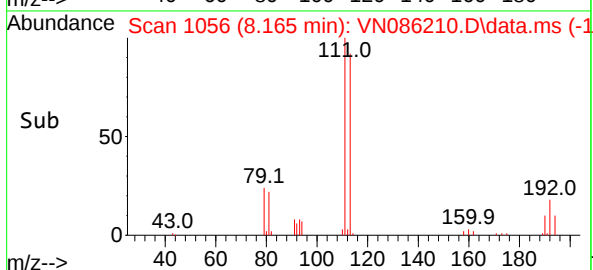
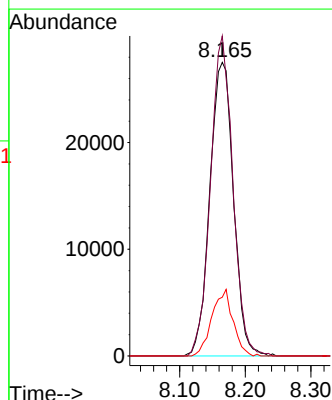
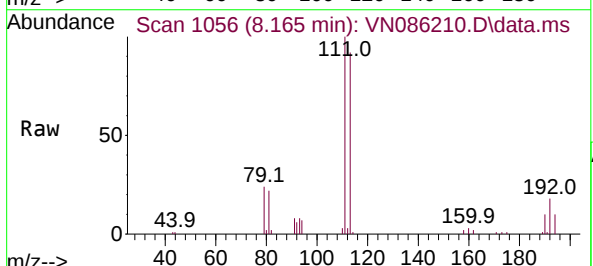
Tgt Ion:113 Resp: 68924

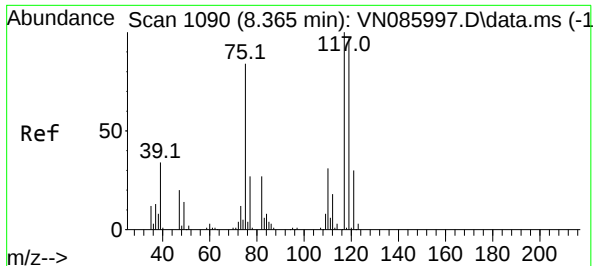
Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 20.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.829 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086210.D

Acq: 02 Apr 2025 15:55

Instrument :

MSVOA_N

ClientSampleId :

WCS-TP-3

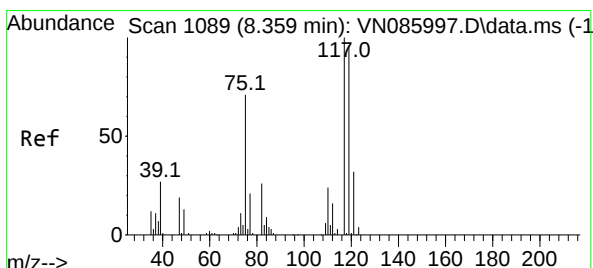
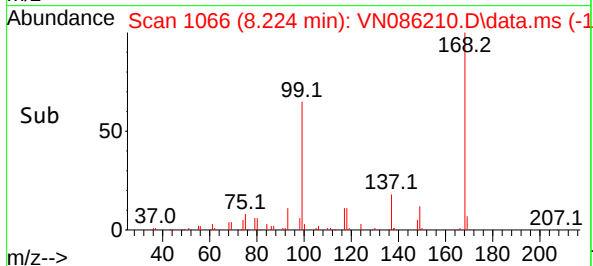
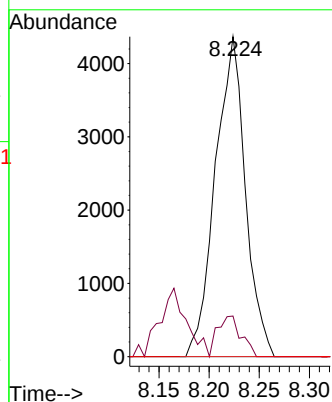
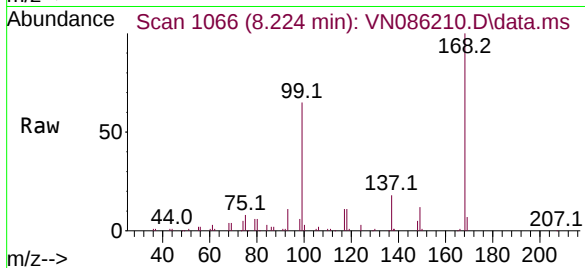
Tgt Ion: 75 Resp: 9118

Ion Ratio Lower Upper

75 100

110 10.0 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.271 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086210.D

Acq: 02 Apr 2025 15:55

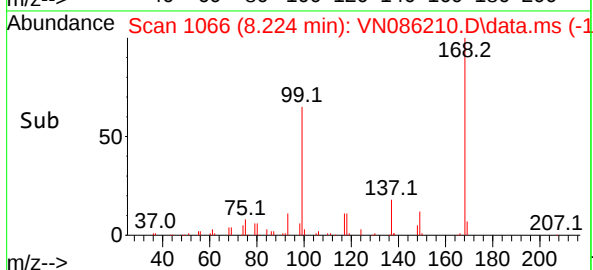
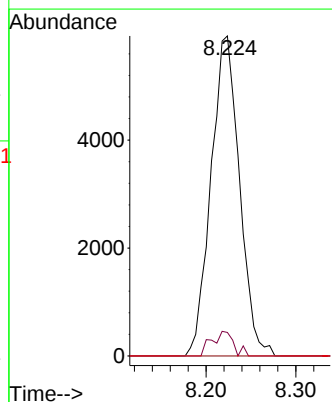
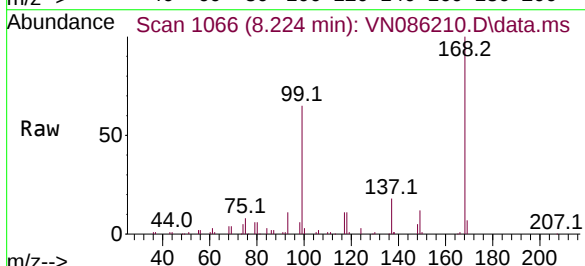
Tgt Ion: 117 Resp: 13087

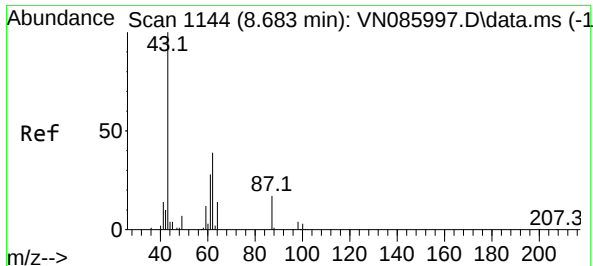
Ion Ratio Lower Upper

117 100

119 7.4 77.0 115.4#

121 0.0 25.6 38.4#

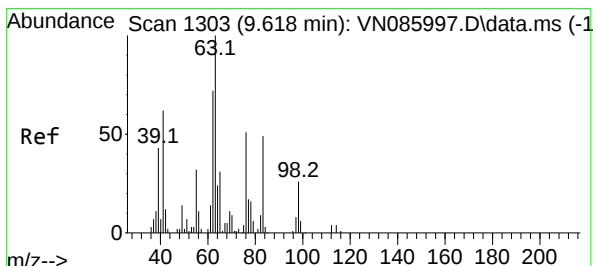
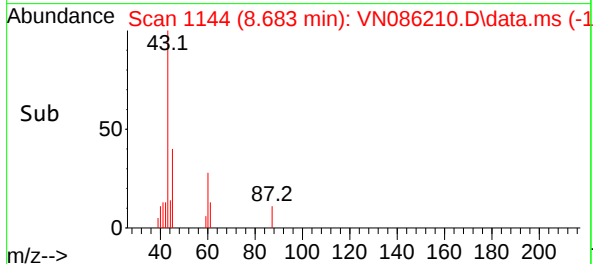
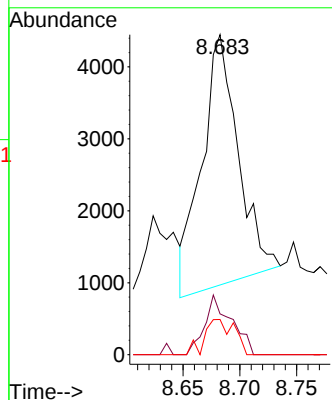
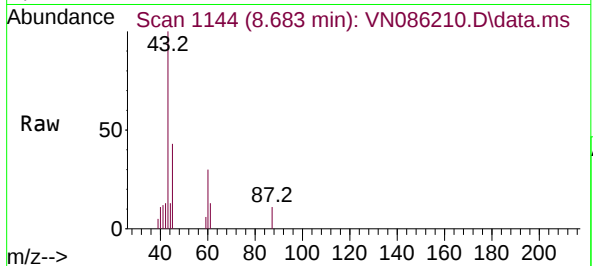




#43
Isopropyl Acetate
Concen: 2.256 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

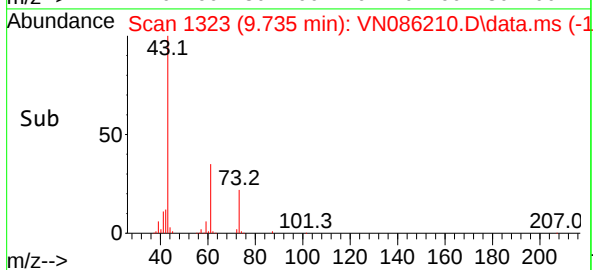
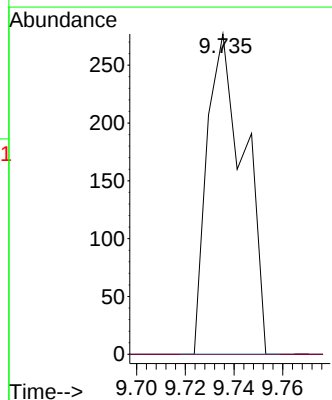
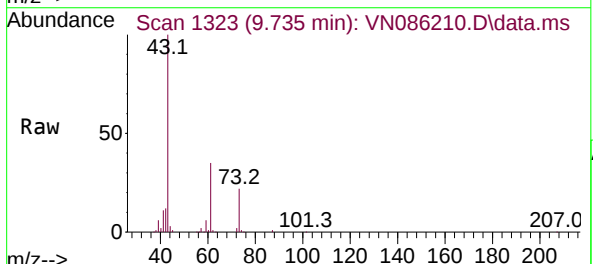
Instrument :
MSVOA_N
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WCS-TP-3

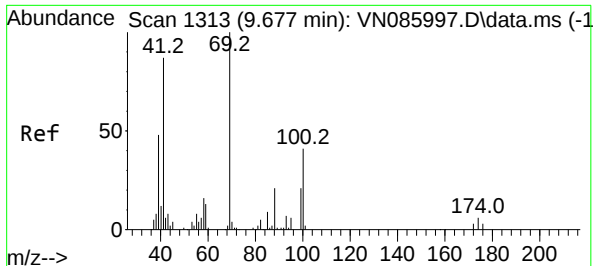
Tgt Ion: 43 Resp: 7789
Ion Ratio Lower Upper
43 100
61 17.5 25.0 37.6#
87 11.4 13.0 19.4#



#45
1,2-Dichloropropane
Concen: 0.219 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

Tgt Ion: 63 Resp: 295
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 21.279 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN086210.D

Acq: 02 Apr 2025 15:55

Instrument :

MSVOA_N

ClientSampleId :

WCS-TP-3

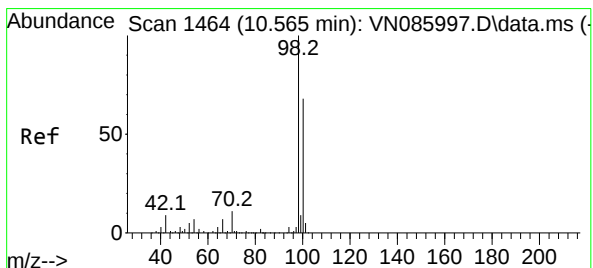
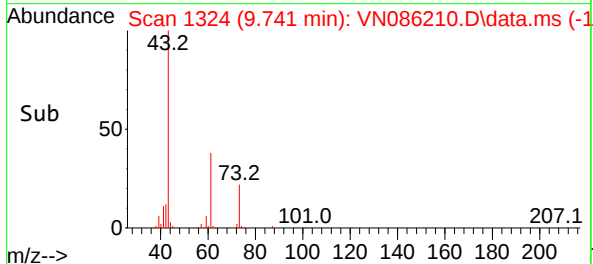
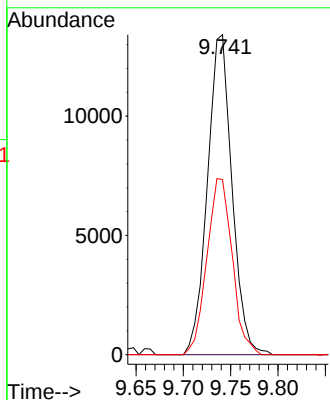
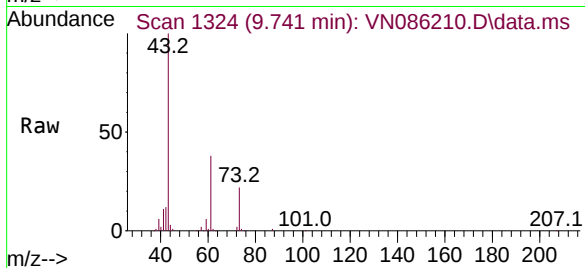
Tgt Ion: 41 Resp: 24240

Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 56.7 45.6 68.4



#50

Toluene-d8

Concen: 49.363 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086210.D

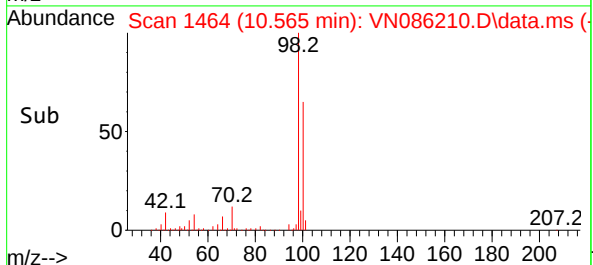
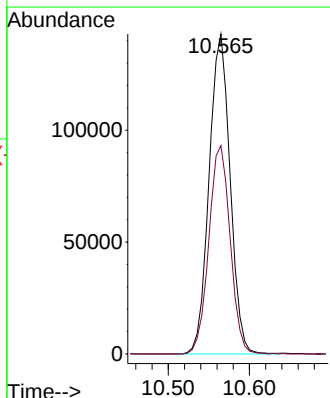
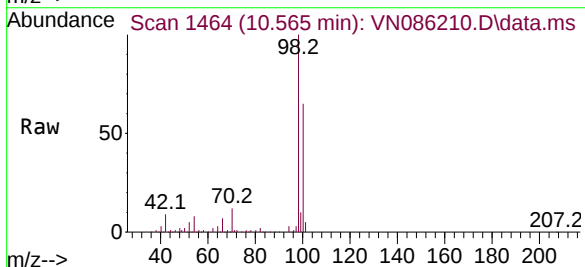
Acq: 02 Apr 2025 15:55

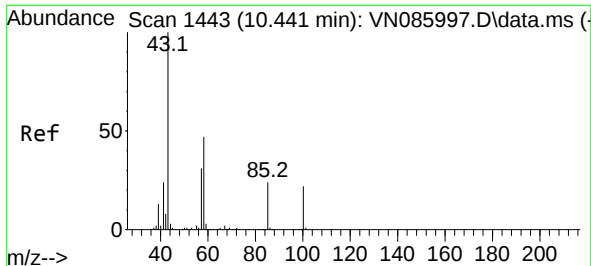
Tgt Ion: 98 Resp: 256921

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7

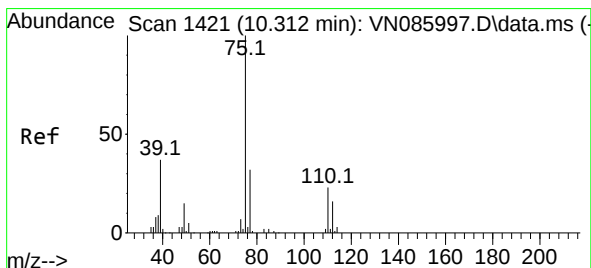
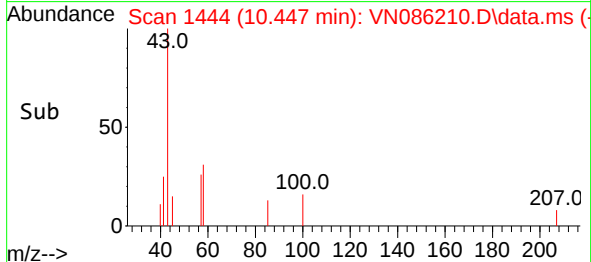
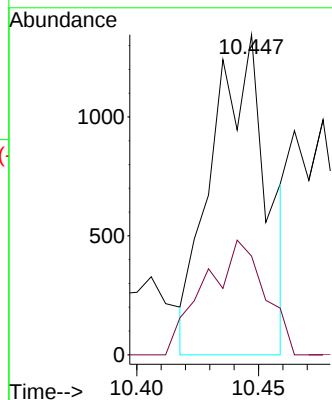
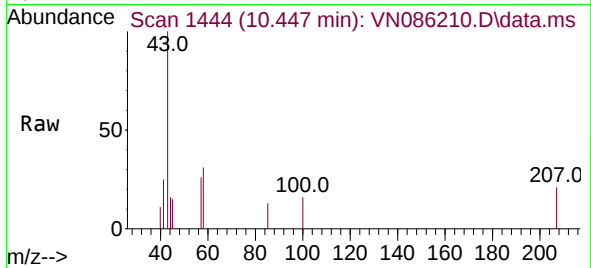




#51
4-Methyl-2-Pentanone
Concen: 1.383 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

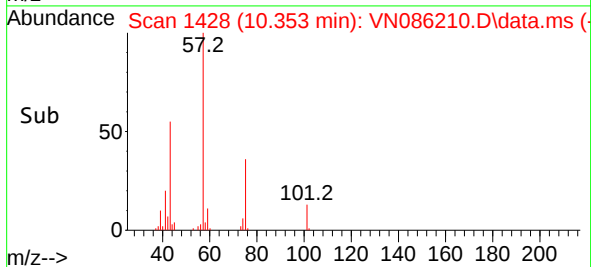
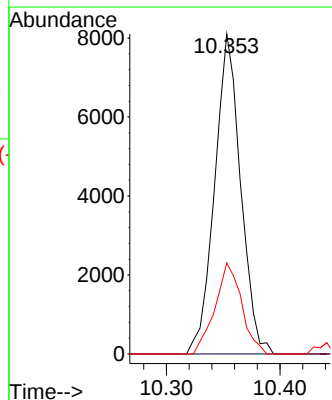
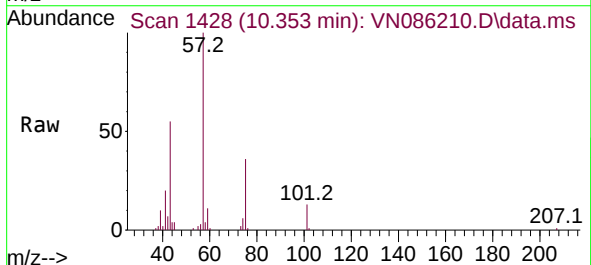
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-3

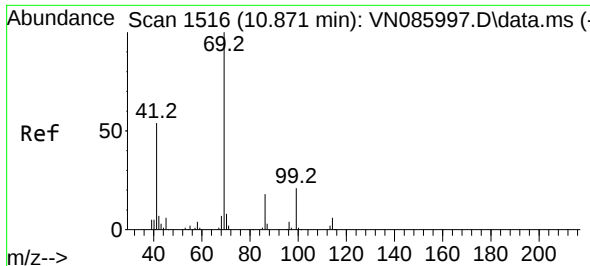
Tgt Ion: 43 Resp: 2105
Ion Ratio Lower Upper
43 100
58 39.3 37.4 56.0



#54
cis-1,3-Dichloropropene
Concen: 5.675 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

Tgt Ion: 75 Resp: 12885
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 28.5 29.6 44.4#

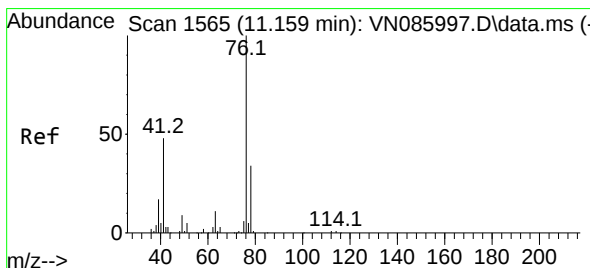
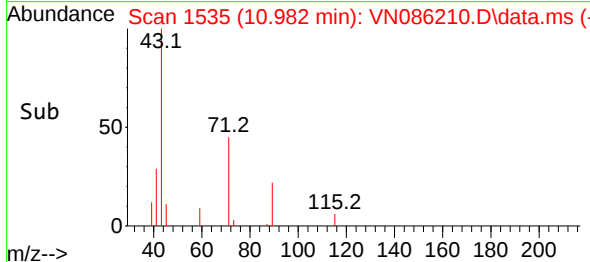
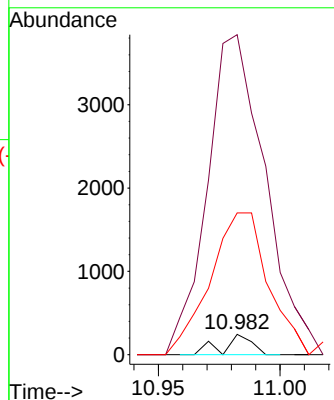
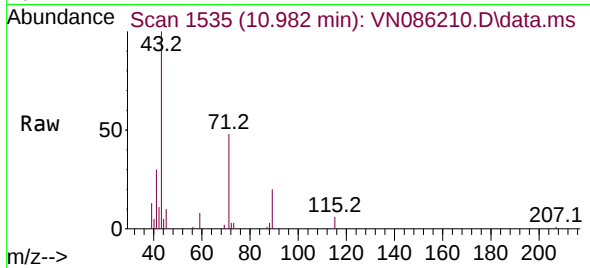




#56
Ethyl methacrylate
Concen: 0.300 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

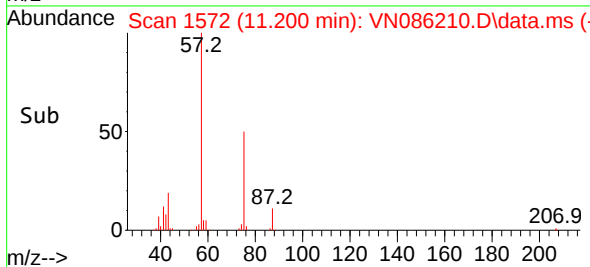
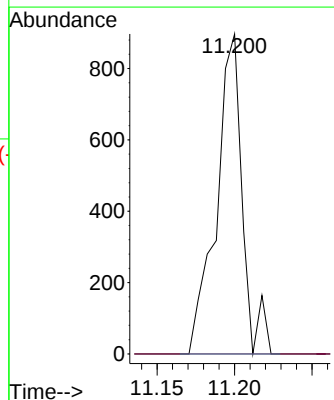
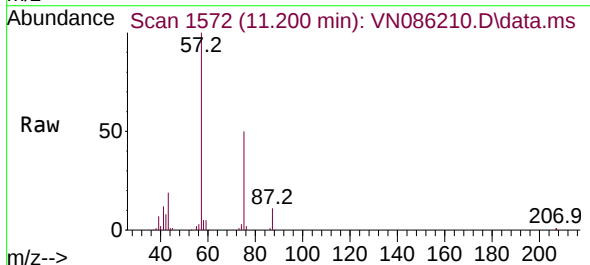
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-3

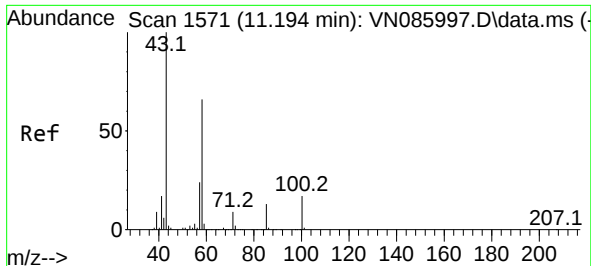
Tgt Ion: 69 Resp: 198
Ion Ratio Lower Upper
69 100
41 3211.6 41.6 62.4#
39 1486.9 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 0.442 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

Tgt Ion: 76 Resp: 1042
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

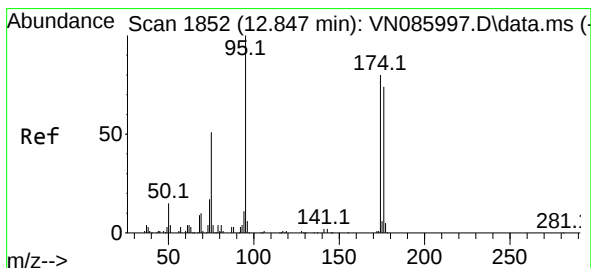
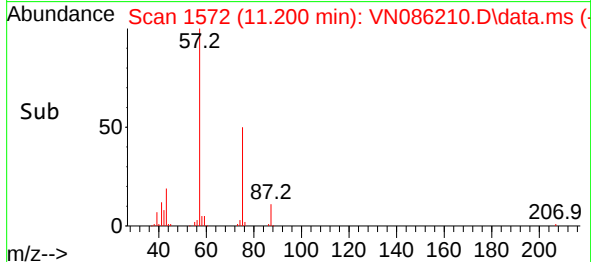
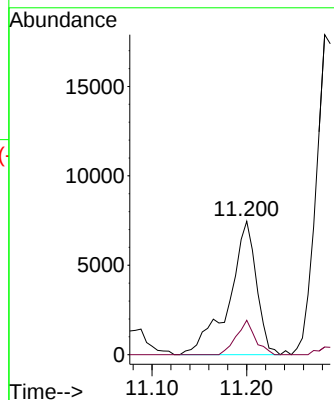
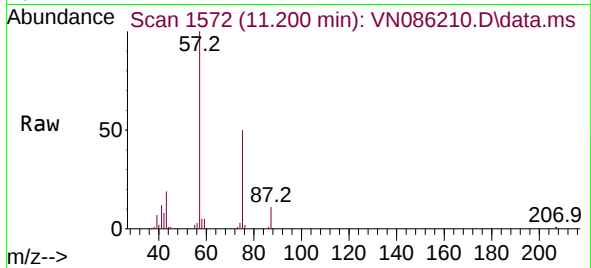




#59
2-Hexanone
Concen: 13.477 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

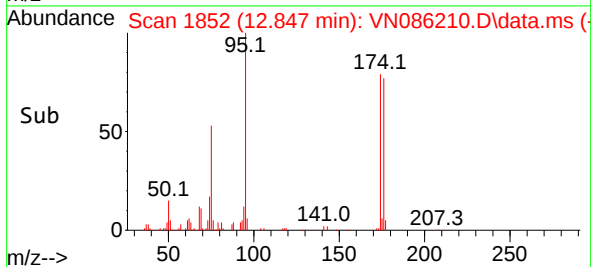
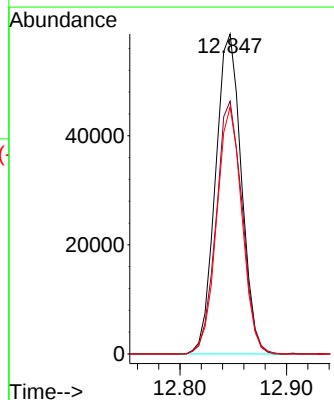
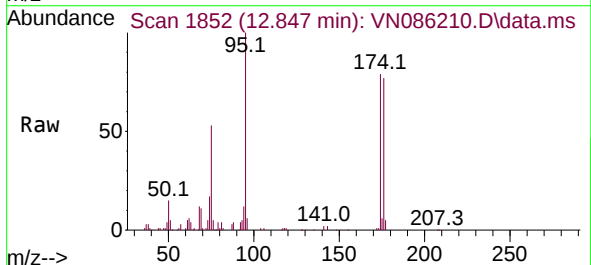
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-3

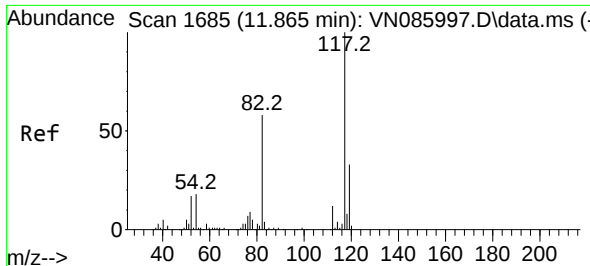
Tgt Ion: 43 Resp: 14948
Ion Ratio Lower Upper
43 100
58 17.8 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 53.237 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

Tgt Ion: 95 Resp: 98817
Ion Ratio Lower Upper
95 100
174 79.5 0.0 156.8
176 75.4 0.0 152.2

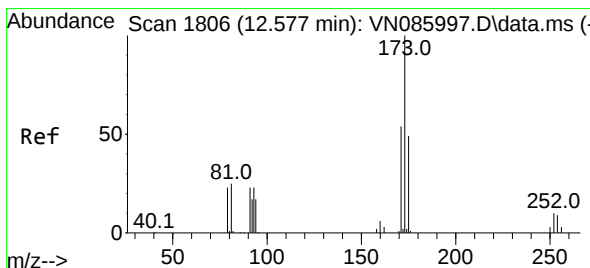
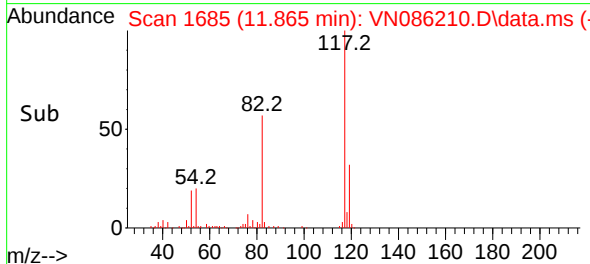
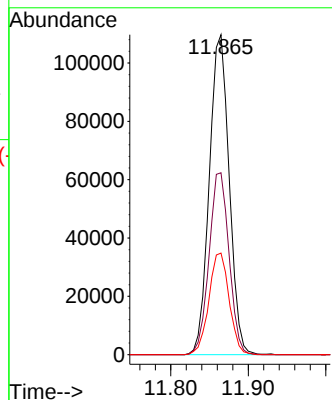
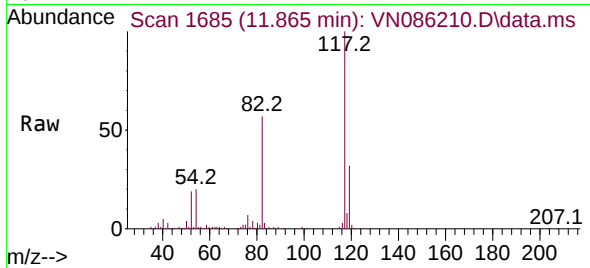




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

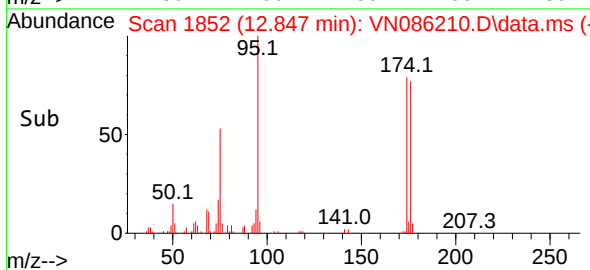
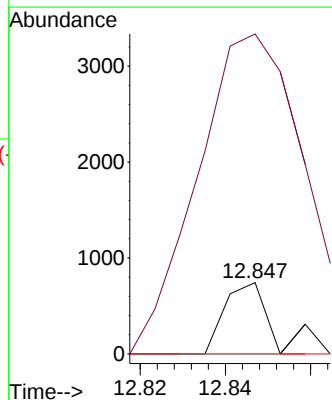
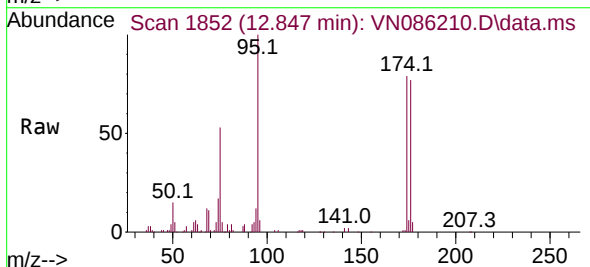
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-3

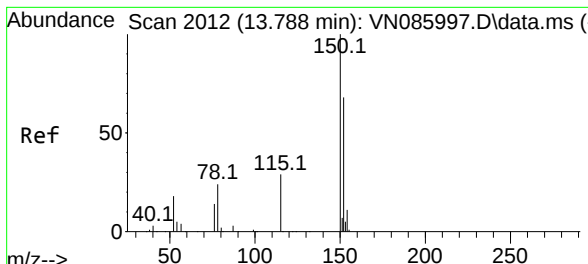
Tgt Ion:117 Resp: 195512
Ion Ratio Lower Upper
117 100
82 56.9 46.7 70.1
119 31.8 26.5 39.7



#71
Bromoform
Concen: 0.348 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

Tgt Ion:173 Resp: 484
Ion Ratio Lower Upper
173 100
175 970.2 24.3 73.0#
254 0.0 0.0 0.0

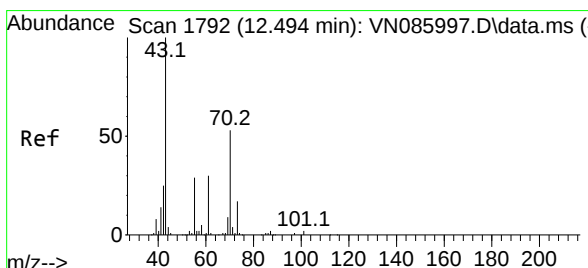
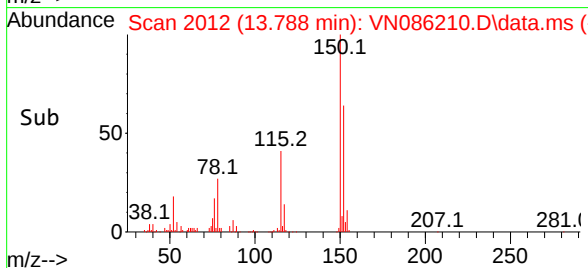
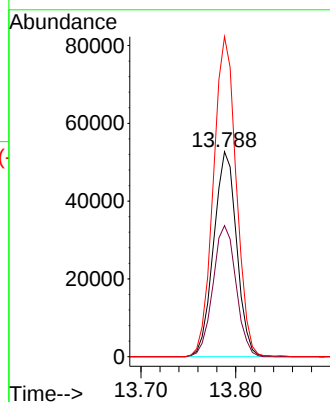
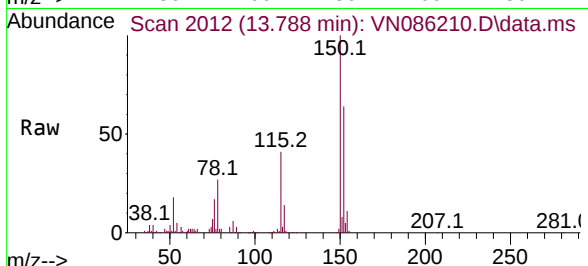




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086210.D
 Acq: 02 Apr 2025 15:55

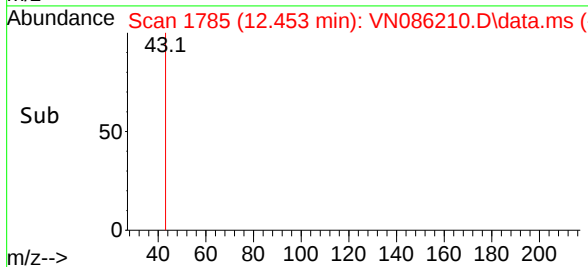
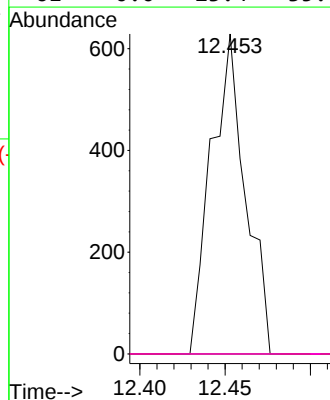
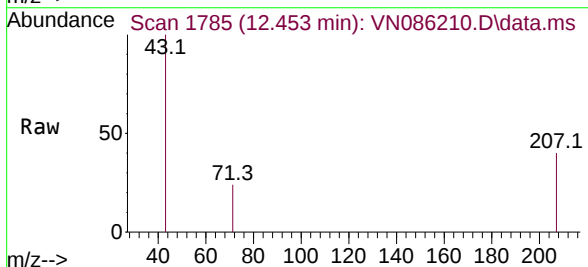
Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TP-3

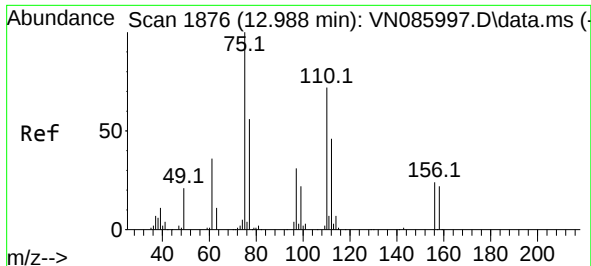
Tgt Ion:	152	Resp:	88736
Ion	Ratio	Lower	Upper
152	100		
115	64.3	31.1	93.2
150	155.4	0.0	359.6



#74
 N-ethyl acetate
 Concen: 0.435 ug/l
 RT: 12.453 min Scan# 1785
 Delta R.T. -0.041 min
 Lab File: VN086210.D
 Acq: 02 Apr 2025 15:55

Tgt Ion:	43	Resp:	881
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#

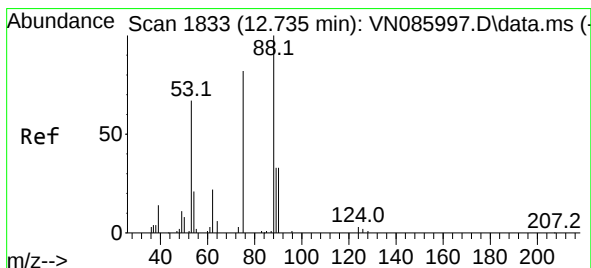
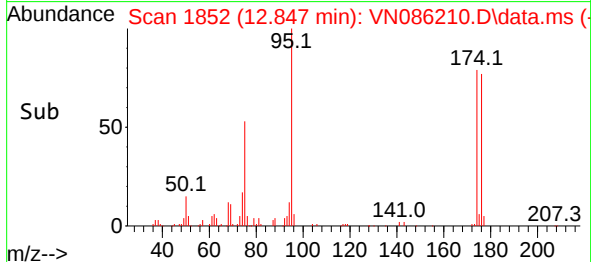
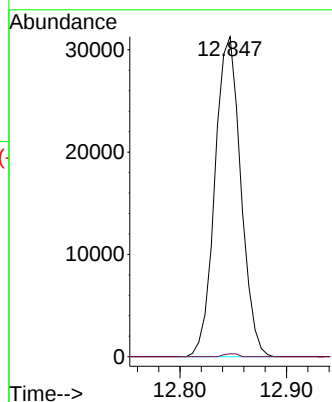
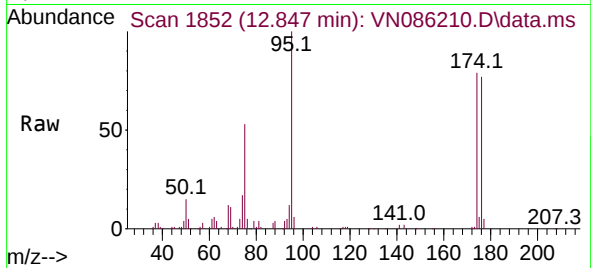




#76
1,2,3-Trichloropropane
Concen: 26.508 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-3

Tgt Ion: 75 Resp: 52662
Ion Ratio Lower Upper
75 100
77 0.5 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.083 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086210.D
Acq: 02 Apr 2025 15:55

Tgt Ion: 75 Resp: 52662
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#

