

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
 Data File : VN085891.D
 Acq On : 27 Feb 2025 15:41
 Operator : JC\MD
 Sample : Q1420-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1-WC

Quant Time: Feb 28 02:02:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

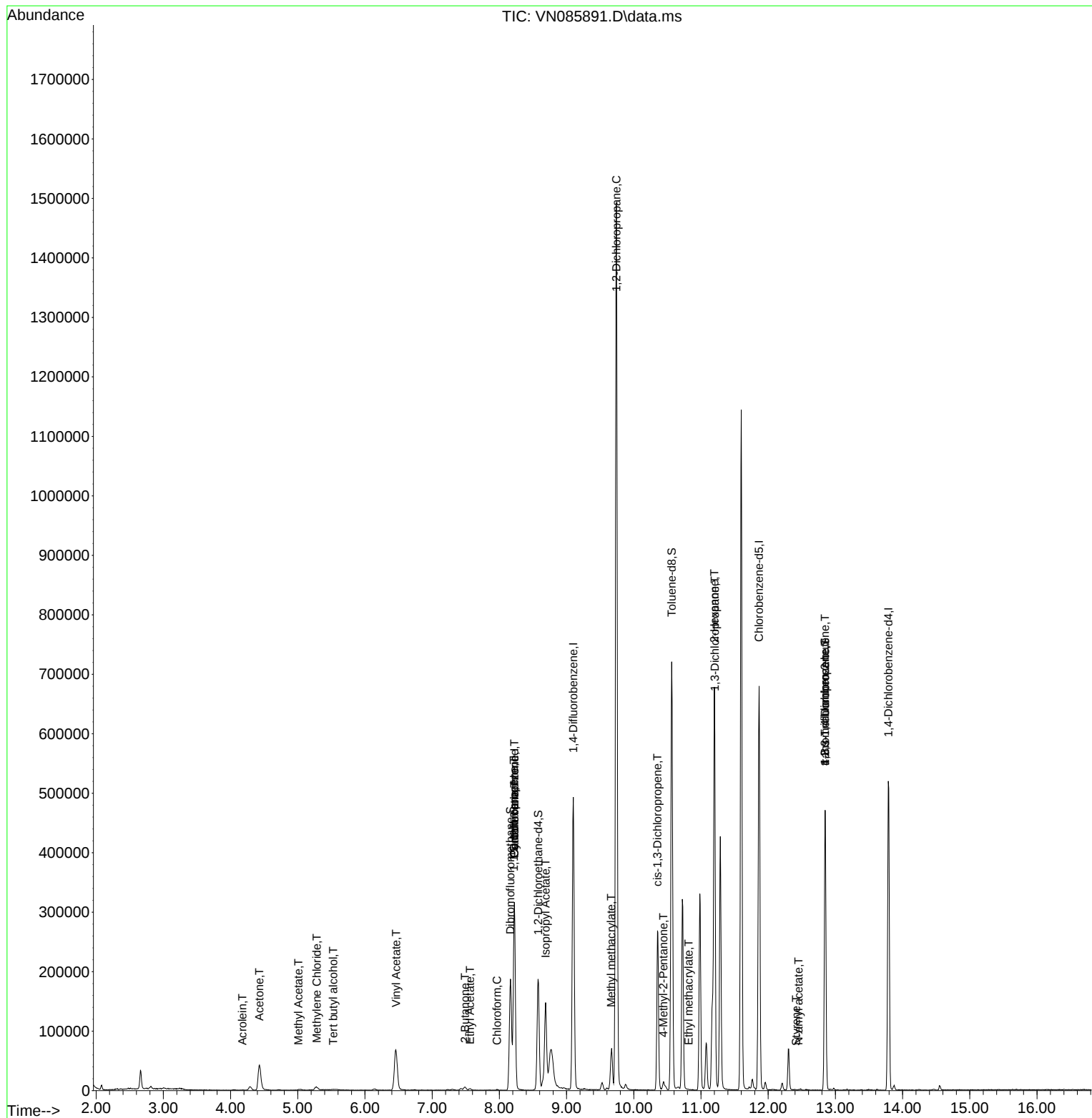
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	224373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	431218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	405591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	151933	52.230	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.460%	
35) Dibromofluoromethane	8.165	113	137154	48.607	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.220%	
50) Toluene-d8	10.565	98	521202	50.769	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.540%	
62) 4-Bromofluorobenzene	12.847	95	167052	49.388	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	1122	3.136	ug/l #	72
13) Acrolein	4.177	56	301	0.567	ug/l	91
16) Acetone	4.430	43	79567	86.445	ug/l	100
18) Methyl Acetate	5.012	43	1881	0.594	ug/l #	89
20) Methylene Chloride	5.283	84	4172	1.409	ug/l	90
23) Vinyl Acetate	6.465	43	1561	0.312	ug/l #	69
25) 2-Butanone	7.488	43	9330	6.890	ug/l	99
30) Chloroform	7.965	83	1150	0.222	ug/l #	79
31) Cyclohexane	8.224	56	4943	1.190	ug/l #	8
36) 1,1-Dichloropropene	8.218	75	18431	4.615	ug/l #	49
37) Ethyl Acetate	7.565	43	4090	1.245	ug/l #	87
38) Carbon Tetrachloride	8.224	117	23046	4.857	ug/l #	19
43) Isopropyl Acetate	8.688	43	167286	28.773	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	1850	0.599	ug/l #	43
48) Methyl methacrylate	9.665	41	4459	1.827	ug/l #	33
51) 4-Methyl-2-Pentanone	10.441	43	12228	3.859	ug/l #	82
54) cis-1,3-Dichloropropene	10.353	75	51519	10.898	ug/l #	61
56) Ethyl methacrylate	10.818	69	176	0.506	ug/l #	30
57) 1,3-Dichloropropane	11.206	76	7214	1.449	ug/l #	42
59) 2-Hexanone	11.200	43	73721	33.821	ug/l #	56
70) Styrene	12.417	104	67	0.592	ug/l #	26
74) N-amyl acetate	12.453	43	886	0.239	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	80722	23.635	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80722	68.960	ug/l #	13

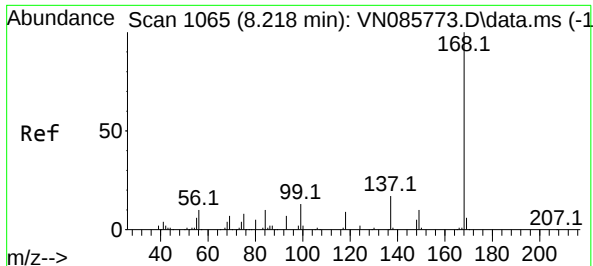
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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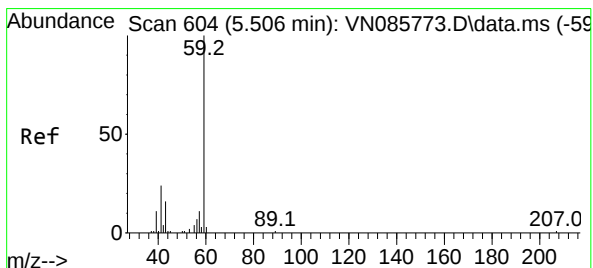
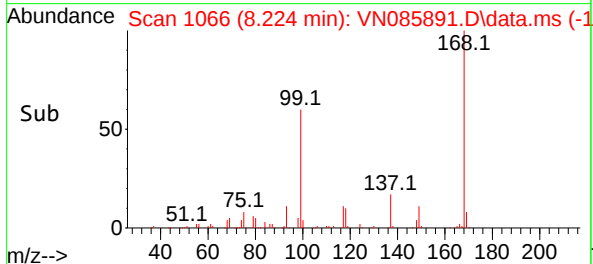
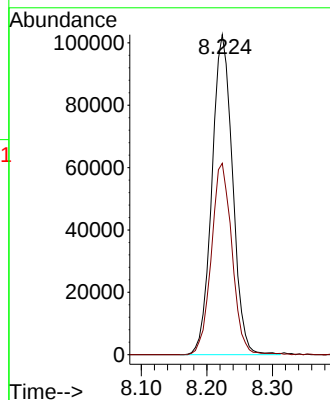
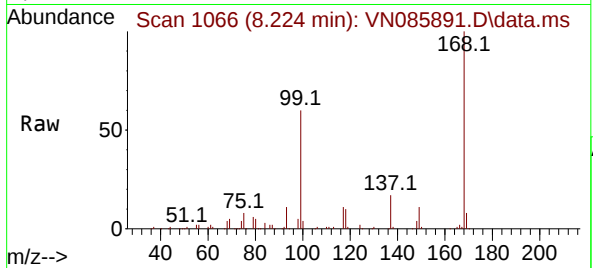




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

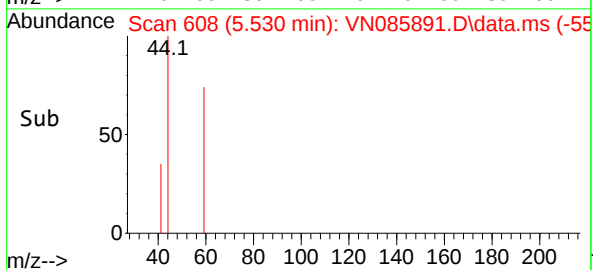
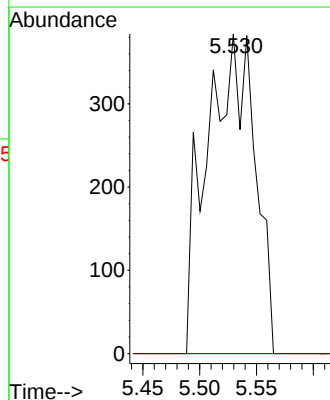
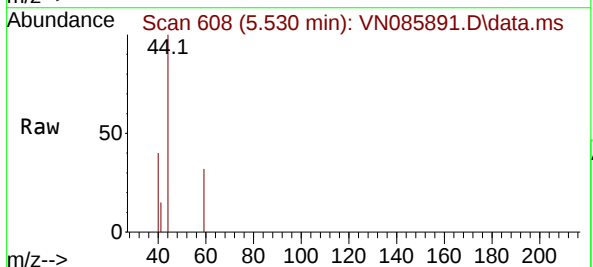
Instrument :
MSVOA_N
ClientSampleId :
TP-1-WC

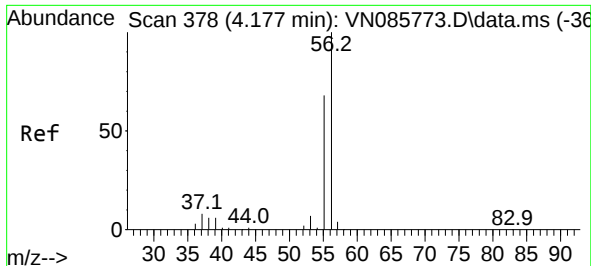
Tgt Ion:168 Resp: 224373
Ion Ratio Lower Upper
168 100
99 59.8 47.9 71.9



#11
Tert butyl alcohol
Concen: 3.136 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.023 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

Tgt Ion: 59 Resp: 1122
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

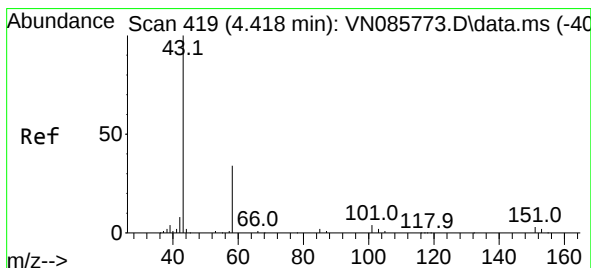
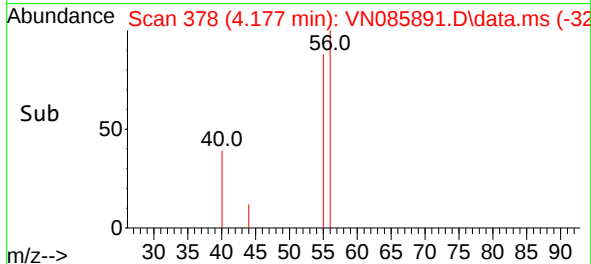
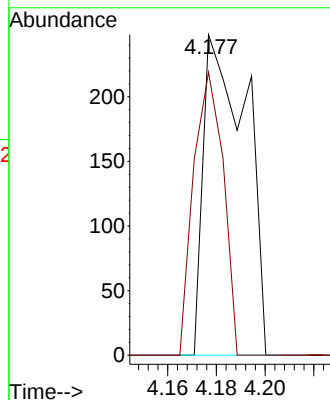
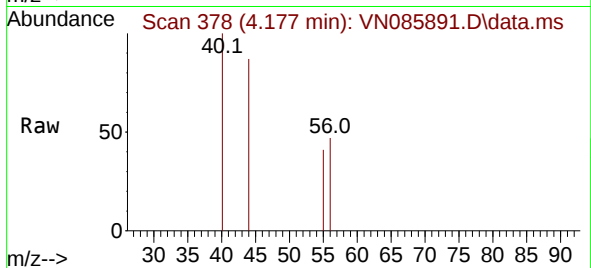




#13
Acrolein
Concen: 0.567 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

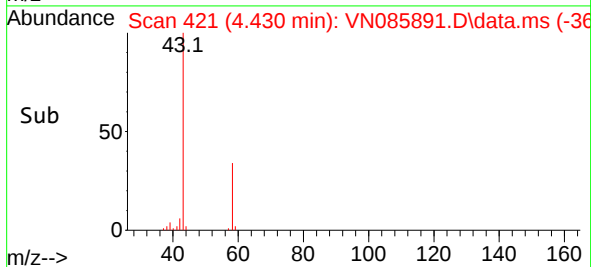
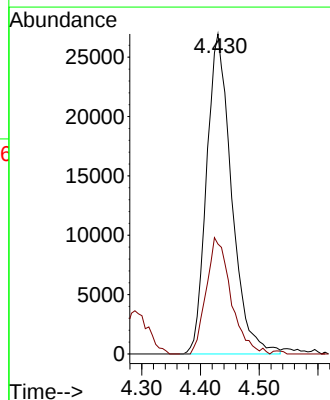
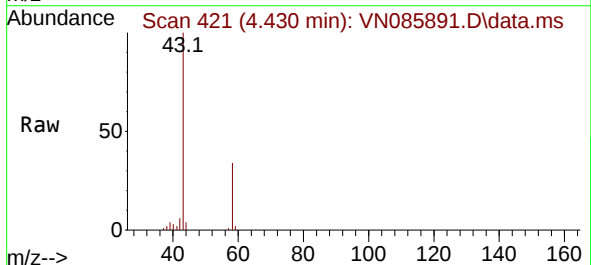
Instrument :
MSVOA_N
ClientSampleId :
TP-1-WC

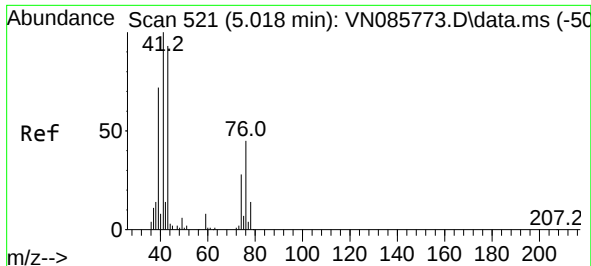
Tgt Ion: 56 Resp: 301
Ion Ratio Lower Upper
56 100
55 61.5 55.3 82.9



#16
Acetone
Concen: 86.445 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

Tgt Ion: 43 Resp: 79567
Ion Ratio Lower Upper
43 100
58 34.3 27.5 41.3

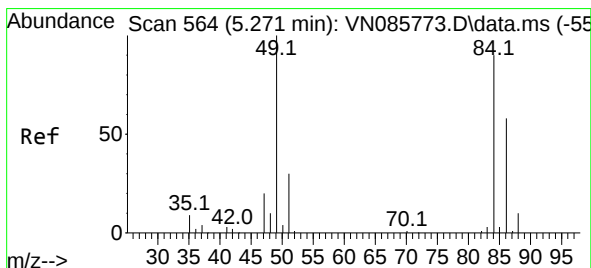
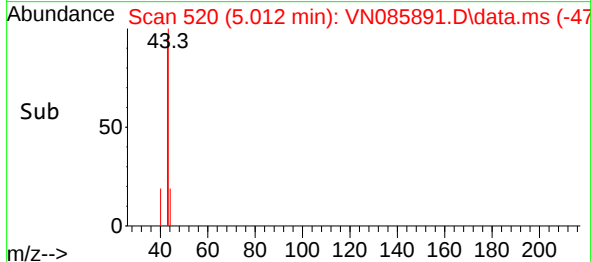
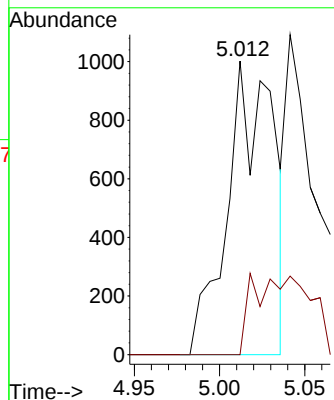
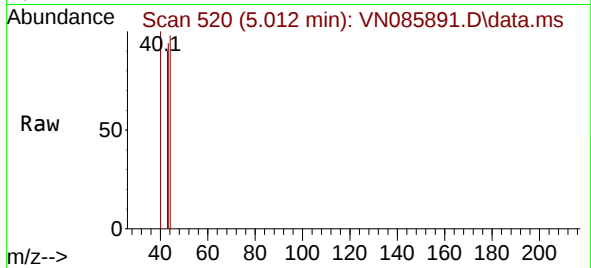




#18
Methyl Acetate
Concen: 0.594 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

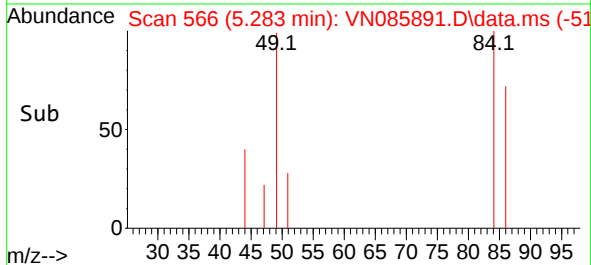
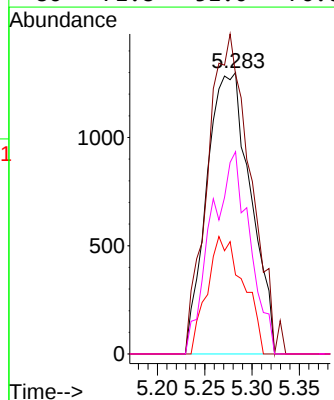
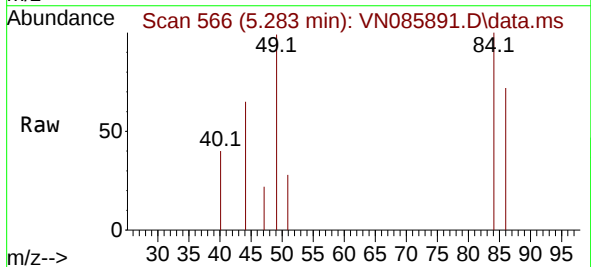
Instrument :
MSVOA_N
ClientSampleId :
TP-1-WC

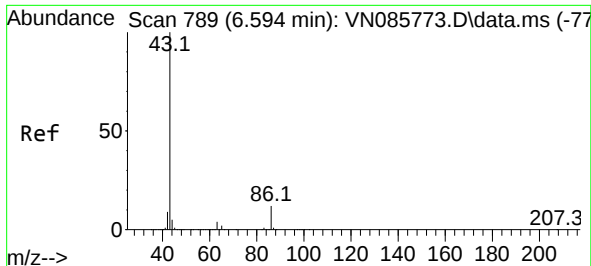
Tgt Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
74 33.8 22.2 33.4#



#20
Methylene Chloride
Concen: 1.409 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

Tgt Ion: 84 Resp: 4172
Ion Ratio Lower Upper
84 100
49 99.3 88.4 132.6
51 28.1 26.6 40.0
86 71.8 51.0 76.6

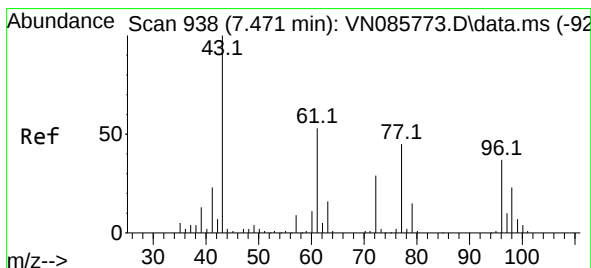
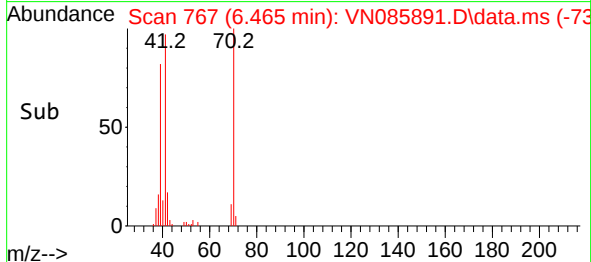
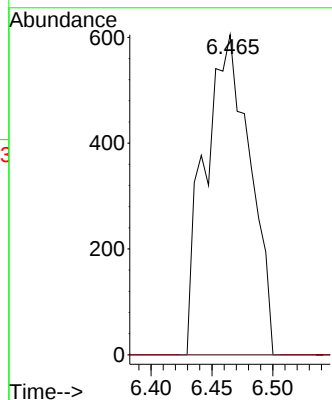
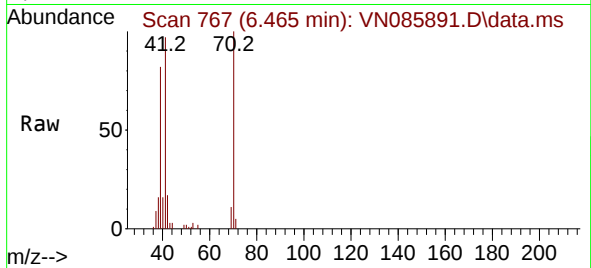




#23
 Vinyl Acetate
 Concen: 0.312 ug/l
 RT: 6.465 min Scan# 713
 Delta R.T. -0.130 min
 Lab File: VN085891.D
 Acq: 27 Feb 2025 15:41

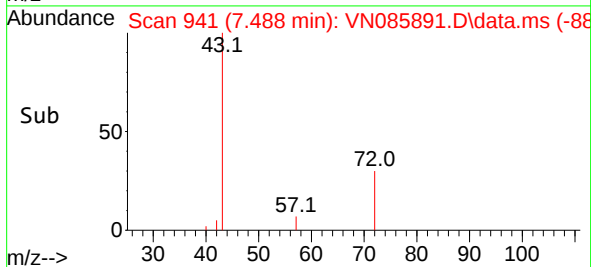
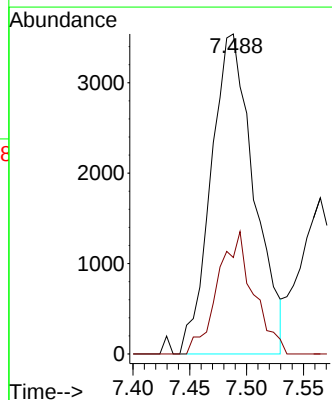
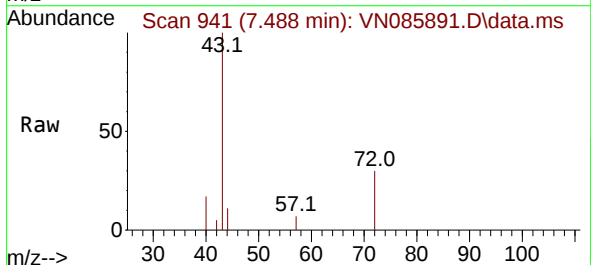
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1-WC

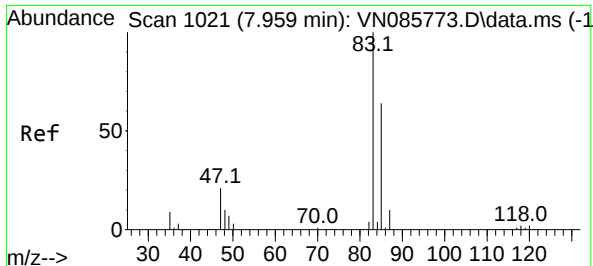
Tgt Ion: 43 Resp: 1561
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.8#



#25
 2-Butanone
 Concen: 6.890 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.017 min
 Lab File: VN085891.D
 Acq: 27 Feb 2025 15:41

Tgt Ion: 43 Resp: 9330
 Ion Ratio Lower Upper
 43 100
 72 30.1 23.6 35.4





#30

Chloroform

Concen: 0.222 ug/l

RT: 7.965 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VN085891.D

Acq: 27 Feb 2025 15:41

Instrument :

MSVOA_N

ClientSampleId :

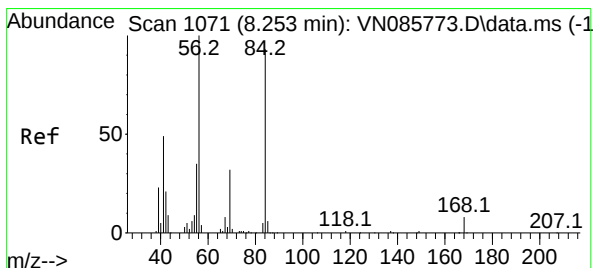
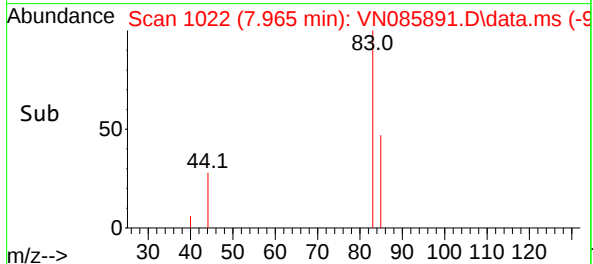
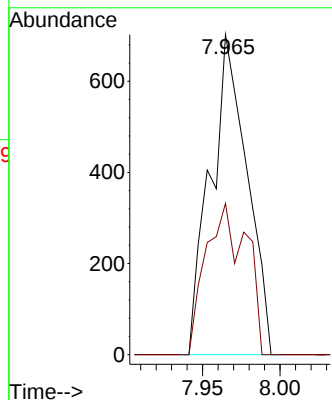
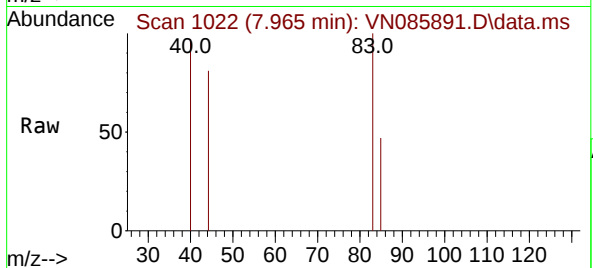
TP-1-WC

Tgt Ion: 83 Resp: 1150

Ion Ratio Lower Upper

83 100

85 47.3 50.9 76.3#



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

Lab File: VN085891.D

Acq: 27 Feb 2025 15:41

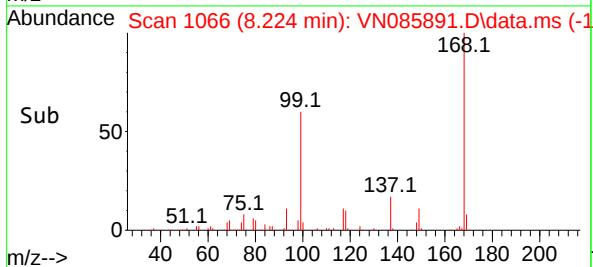
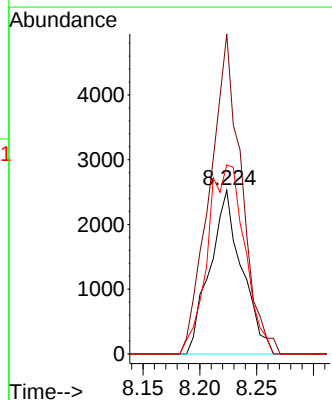
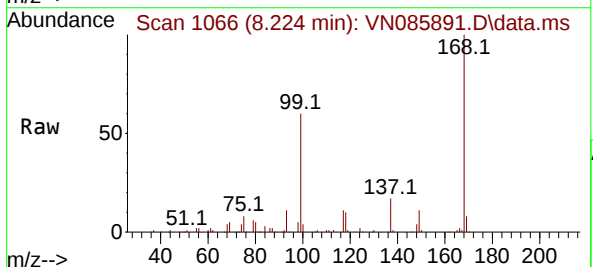
Tgt Ion: 56 Resp: 4943

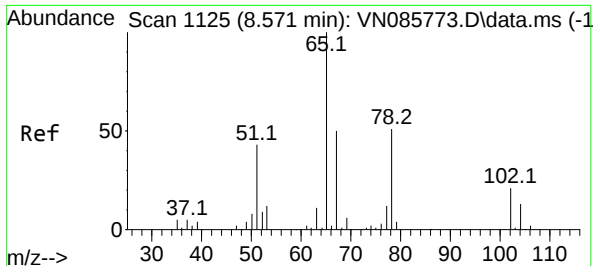
Ion Ratio Lower Upper

56 100

69 195.5 25.8 38.6#

84 115.5 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 52.230 ug/l

RT: 8.576 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085891.D

Acq: 27 Feb 2025 15:41

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ClientSampleId :

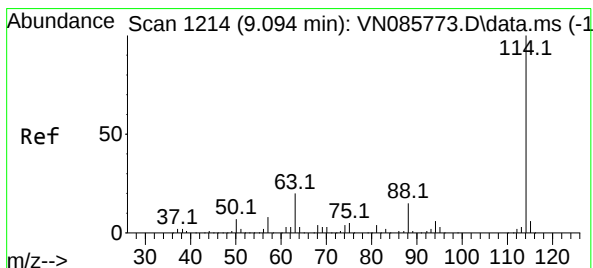
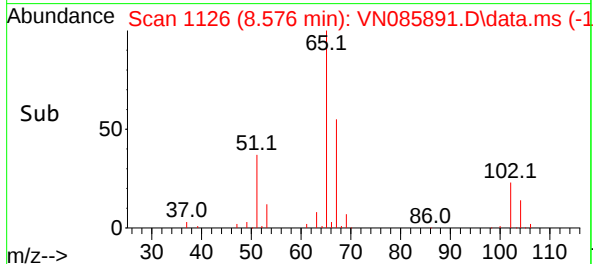
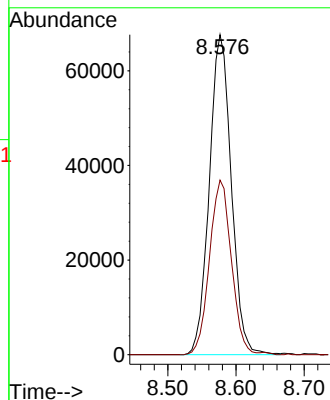
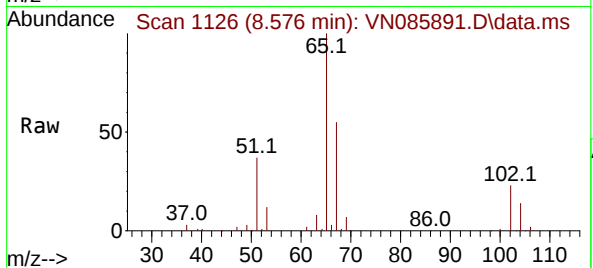
TP-1-WC

Tgt Ion: 65 Resp: 151933

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085891.D

Acq: 27 Feb 2025 15:41

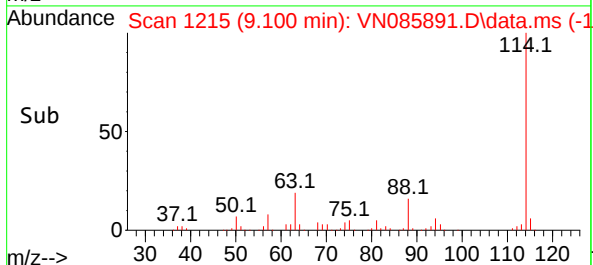
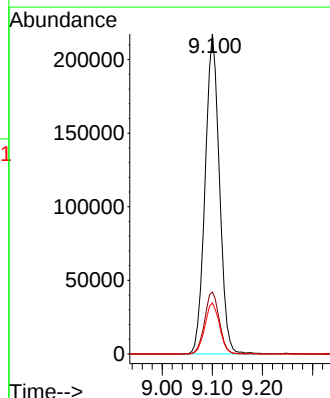
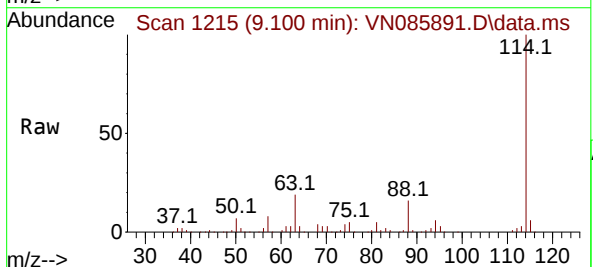
Tgt Ion: 114 Resp: 431218

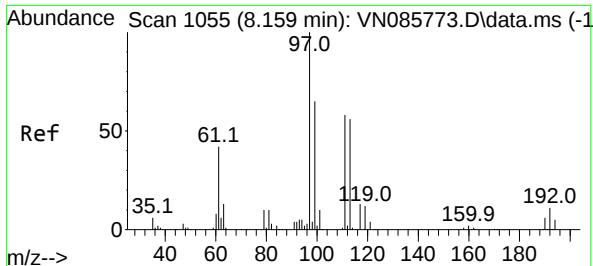
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.2

88 15.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.607 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085891.D

Acq: 27 Feb 2025 15:41

Instrument :

MSVOA_N

ClientSampleId :

TP-1-WC

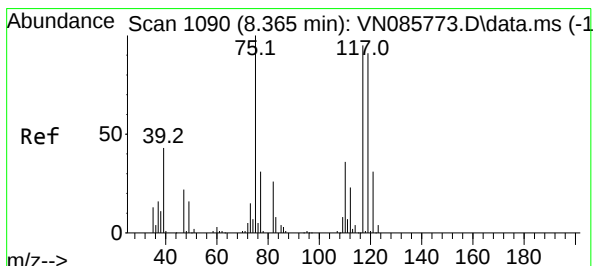
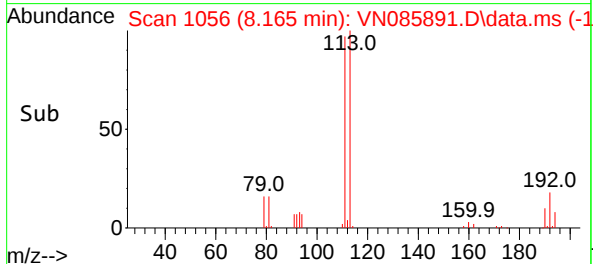
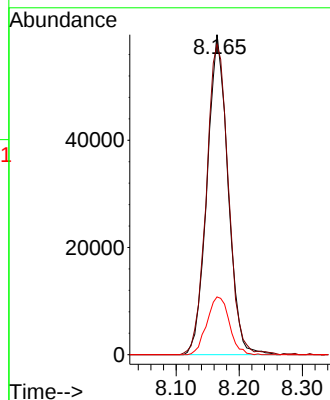
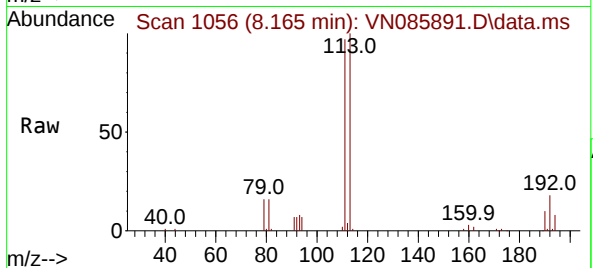
Tgt Ion:113 Resp: 137154

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 19.3 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.615 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085891.D

Acq: 27 Feb 2025 15:41

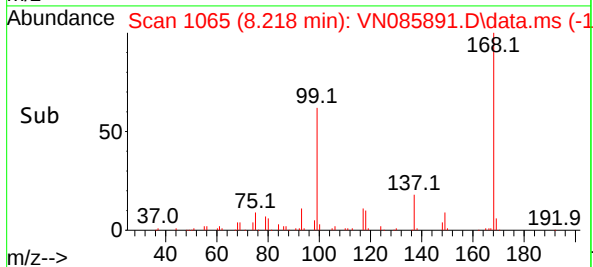
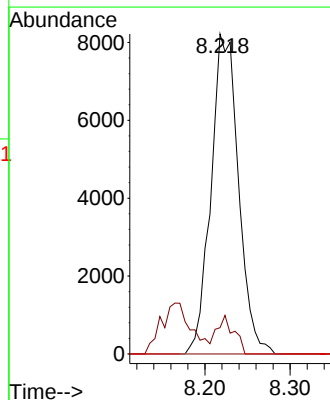
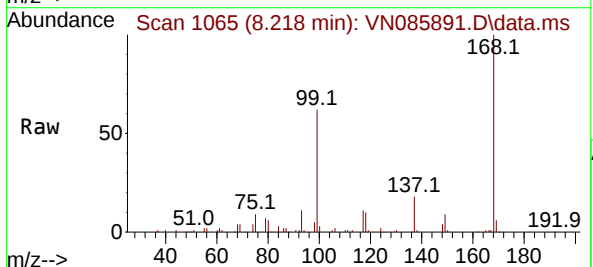
Tgt Ion: 75 Resp: 18431

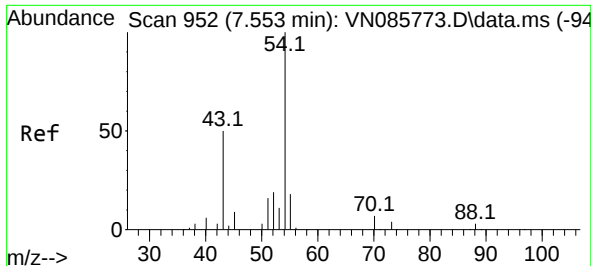
Ion Ratio Lower Upper

75 100

110 7.4 17.3 52.0#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.245 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN085891.D

Acq: 27 Feb 2025 15:41

Instrument :

MSVOA_N

ClientSampleId :

TP-1-WC

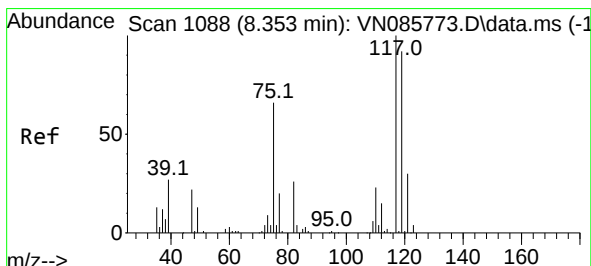
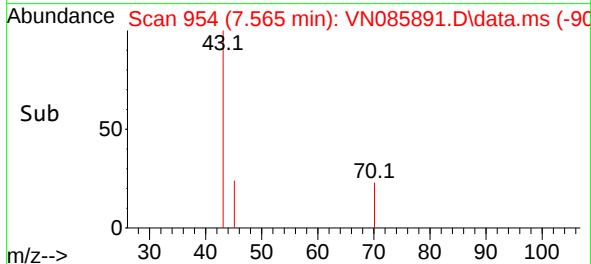
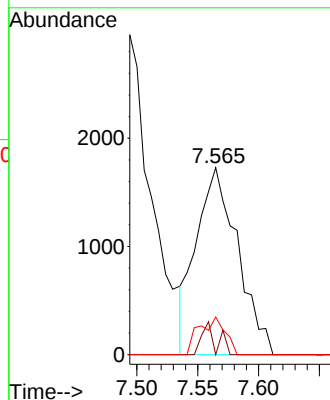
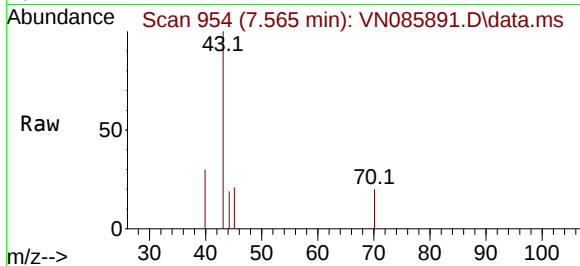
Tgt Ion: 43 Resp: 4090

Ion Ratio Lower Upper

43 100

61 6.1 12.2 18.2#

70 12.8 9.5 14.3



#38

Carbon Tetrachloride

Concen: 4.857 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.130 min

Lab File: VN085891.D

Acq: 27 Feb 2025 15:41

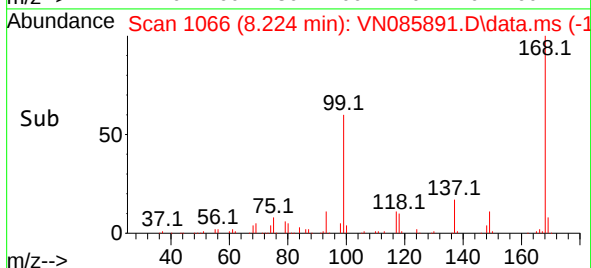
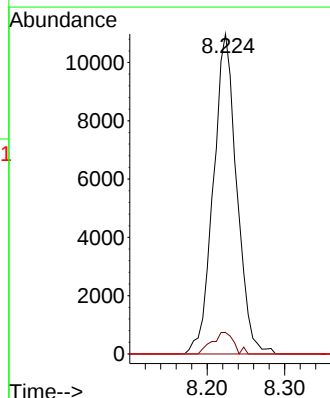
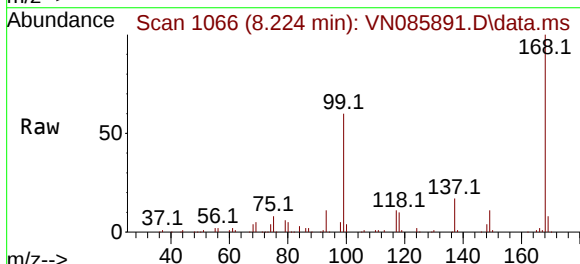
Tgt Ion: 117 Resp: 23046

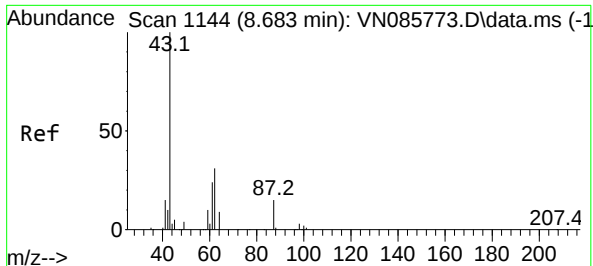
Ion Ratio Lower Upper

117 100

119 6.7 73.8 110.6#

121 0.0 24.3 36.5#

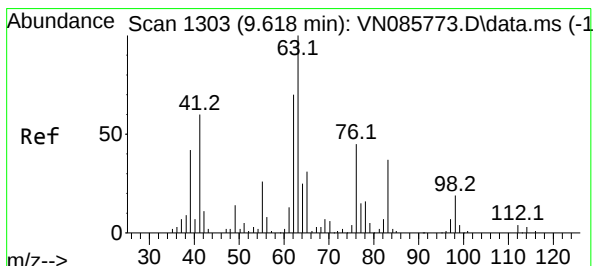
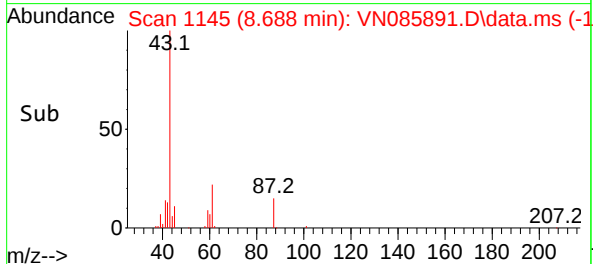
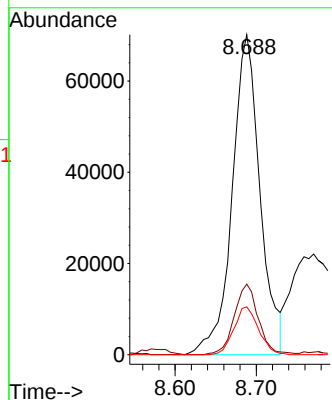
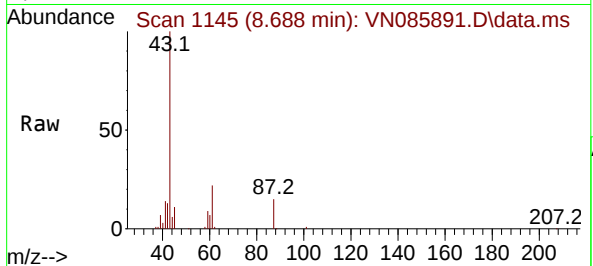




#43
Isopropyl Acetate
Concen: 28.773 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

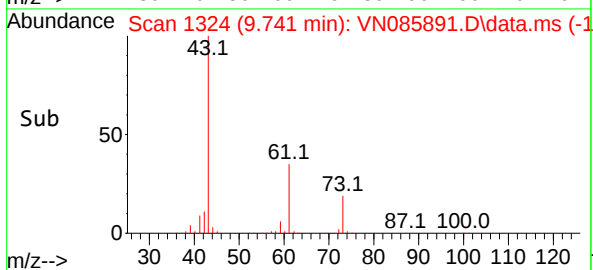
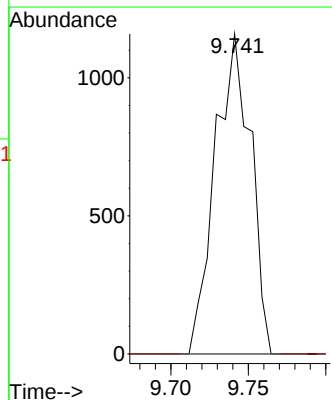
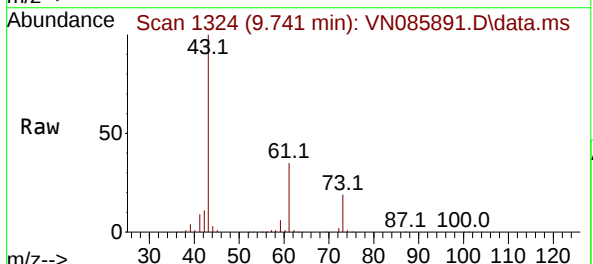
Instrument :
MSVOA_N
ClientSampleId :
TP-1-WC

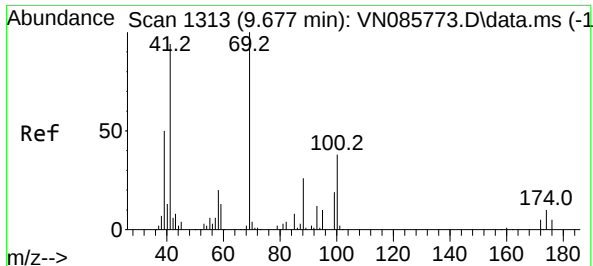
Tgt Ion: 43 Resp: 167286
Ion Ratio Lower Upper
43 100
61 19.1 22.6 34.0#
87 13.2 11.8 17.8



#45
1,2-Dichloropropane
Concen: 0.599 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

Tgt Ion: 63 Resp: 1850
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#

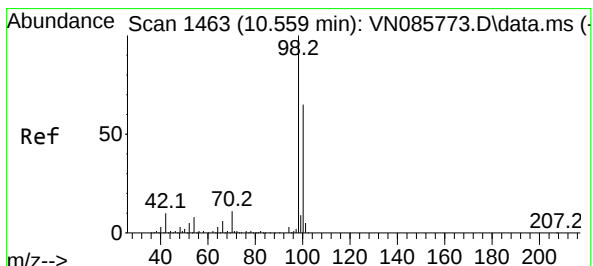
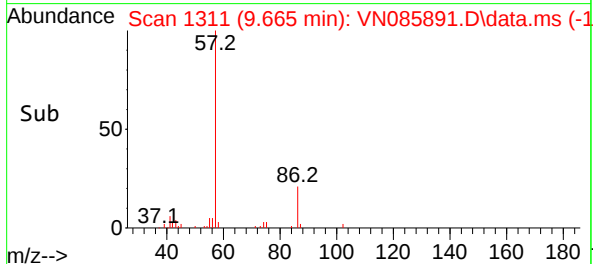
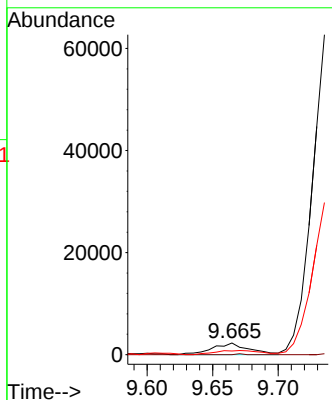
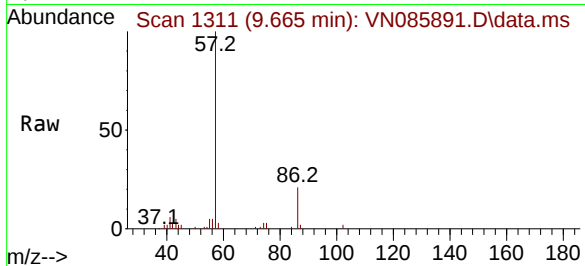




#48
Methyl methacrylate
Concen: 1.827 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

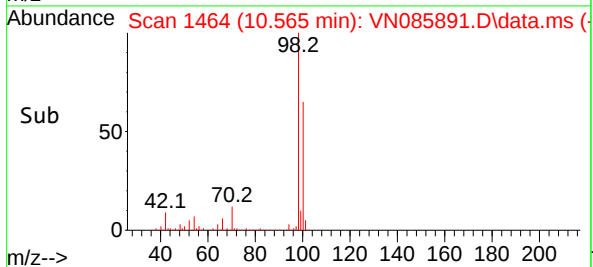
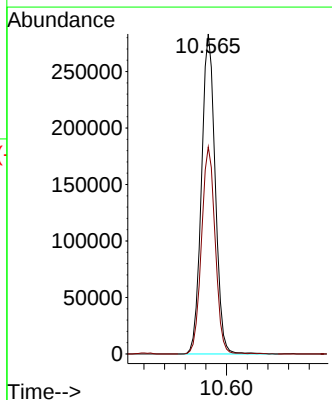
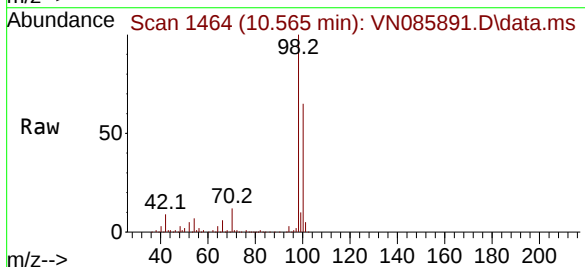
Instrument :
MSVOA_N
ClientSampleId :
TP-1-WC

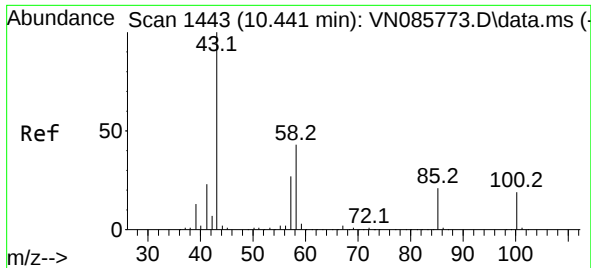
Tgt Ion: 41 Resp: 4459
Ion Ratio Lower Upper
41 100
69 1.6 76.0 114.0#
39 43.3 42.3 63.5



#50
Toluene-d8
Concen: 50.769 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

Tgt Ion: 98 Resp: 521202
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

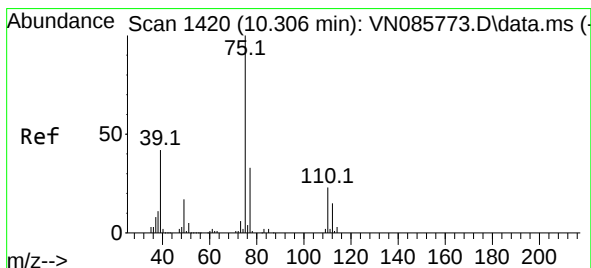
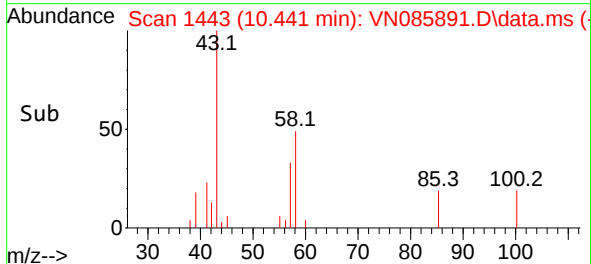
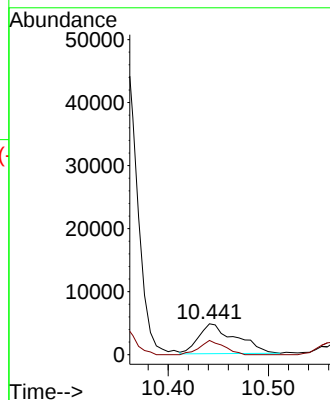
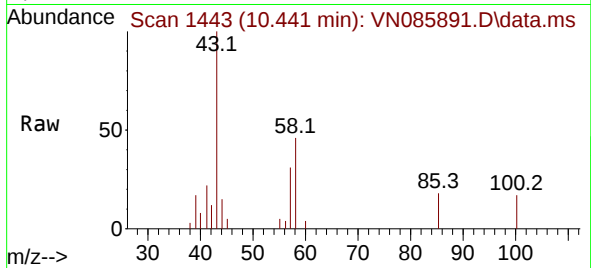




#51
4-Methyl-2-Pentanone
Concen: 3.859 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

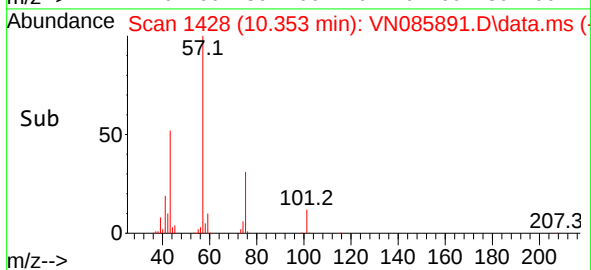
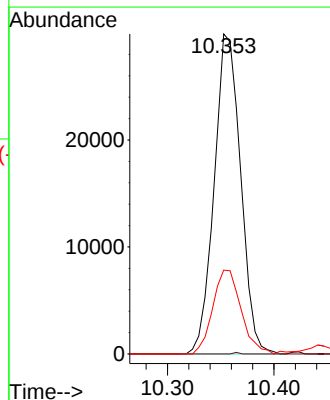
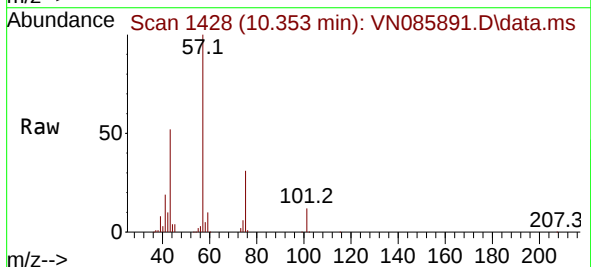
Instrument :
MSVOA_N
ClientSampleId :
TP-1-WC

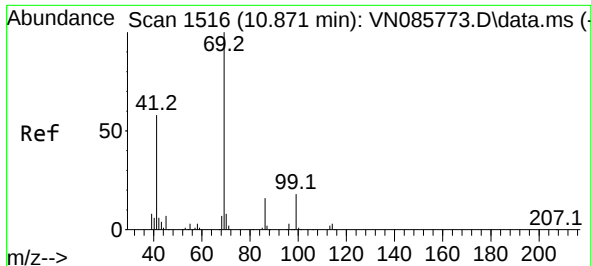
Tgt Ion: 43 Resp: 12228
Ion Ratio Lower Upper
43 100
58 31.5 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 10.898 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

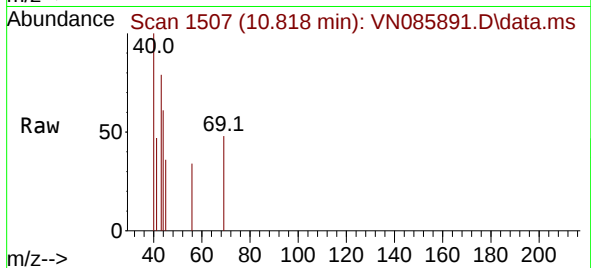
Tgt Ion: 75 Resp: 51519
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 26.2 33.4 50.0#



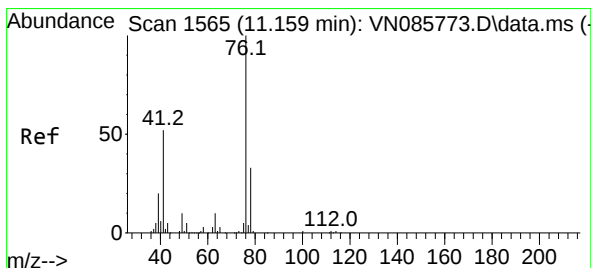
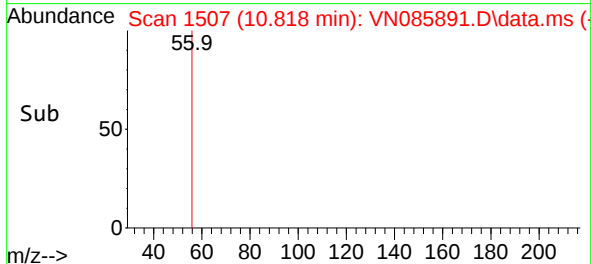
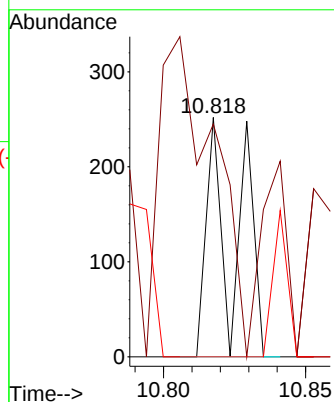


#56
Ethyl methacrylate
Concen: 0.506 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.053 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

Instrument :
MSVOA_N
ClientSampleId :
TP-1-WC

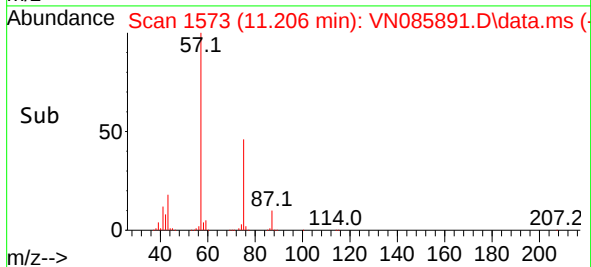
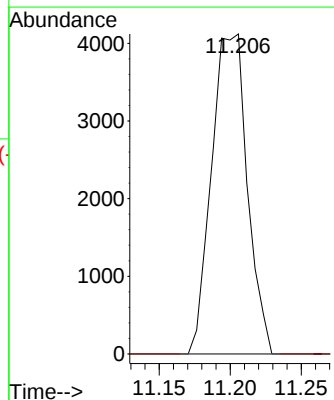
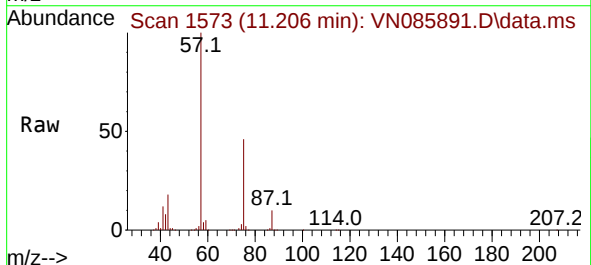


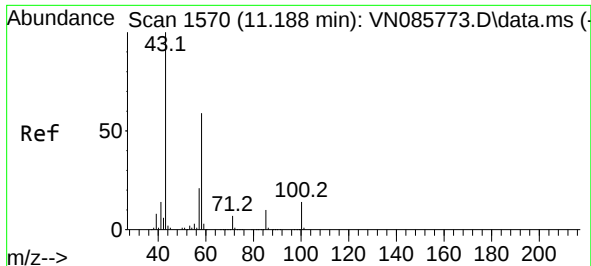
Tgt Ion: 69 Resp: 176
Ion Ratio Lower Upper
69 100
41 0.0 46.0 69.0#
39 0.0 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.449 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

Tgt Ion: 76 Resp: 7214
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

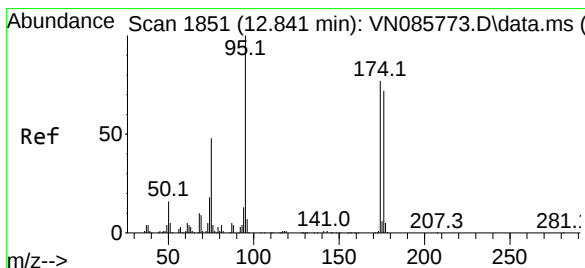
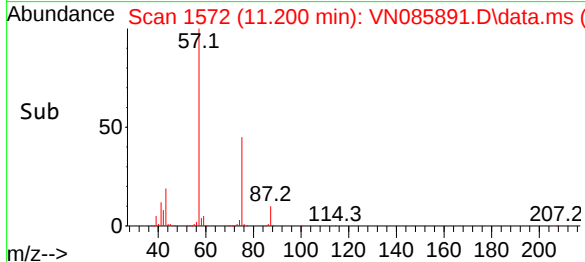
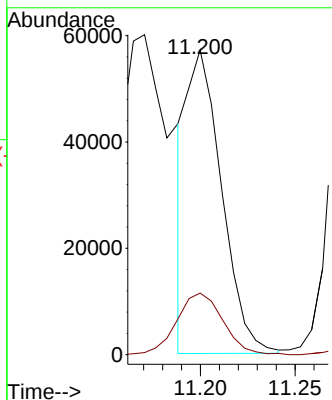
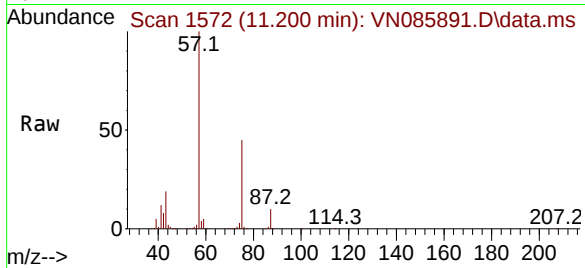




#59
2-Hexanone
Concen: 33.821 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

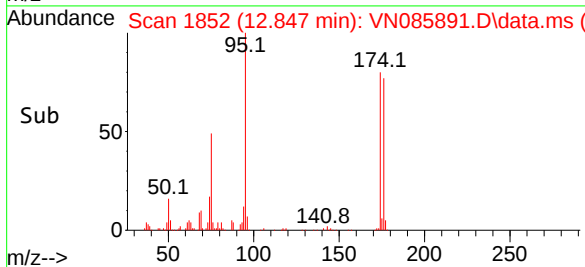
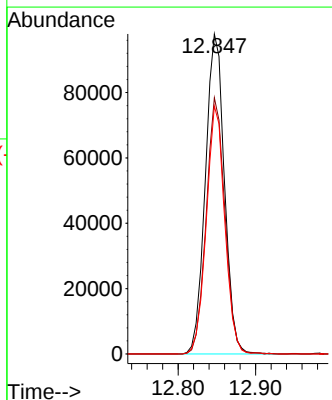
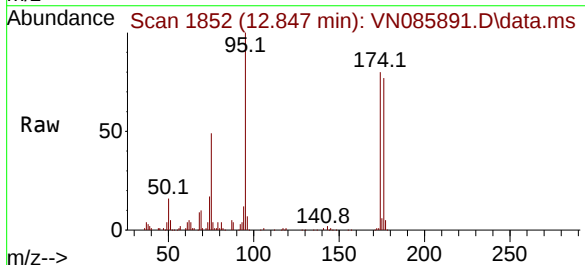
Instrument :
MSVOA_N
ClientSampleId :
TP-1-WC

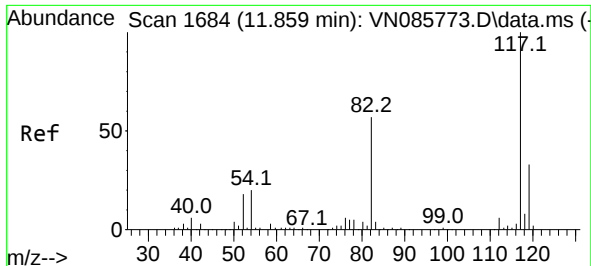
Tgt Ion: 43 Resp: 73721
Ion Ratio Lower Upper
43 100
58 26.7 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 49.388 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

Tgt Ion: 95 Resp: 167052
Ion Ratio Lower Upper
95 100
174 79.0 0.0 152.4
176 75.0 0.0 146.6

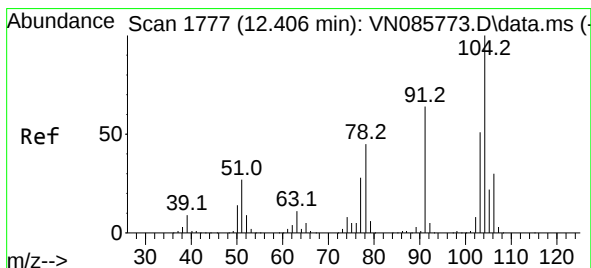
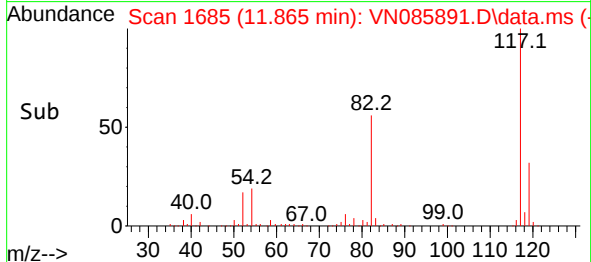
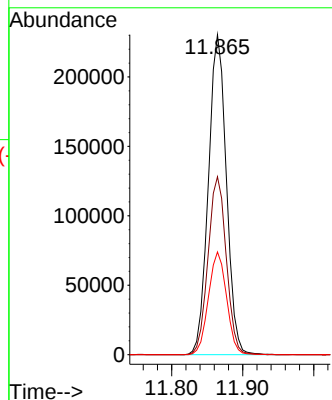
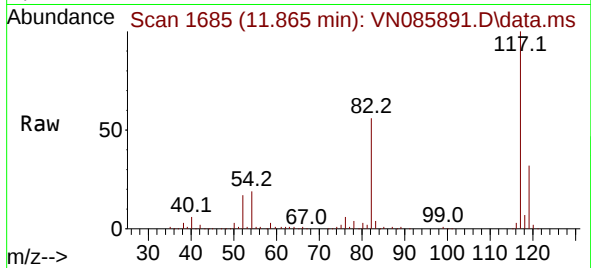




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

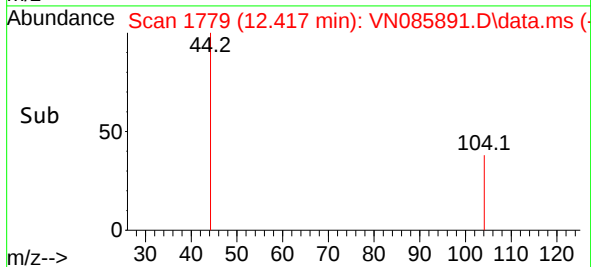
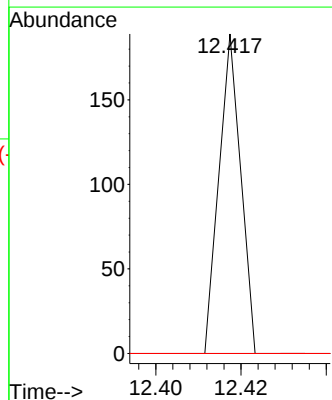
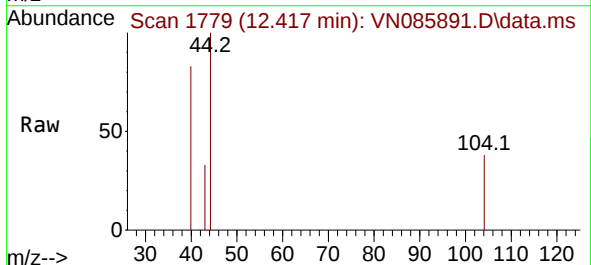
Instrument :
MSVOA_N
ClientSampleId :
TP-1-WC

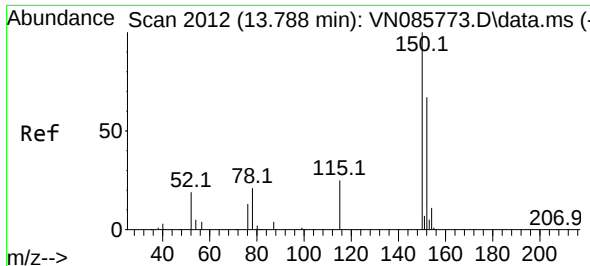
Tgt Ion:117 Resp: 405591
Ion Ratio Lower Upper
117 100
82 55.6 45.7 68.5
119 32.1 26.2 39.2



#70
Styrene
Concen: 0.592 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. 0.011 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

Tgt Ion:104 Resp: 67
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#

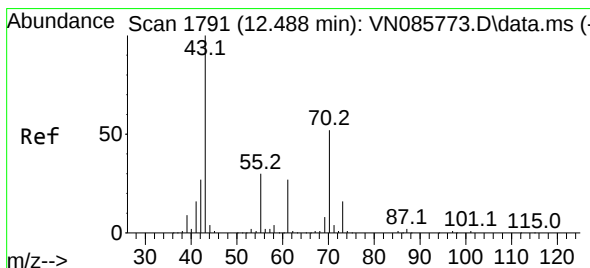
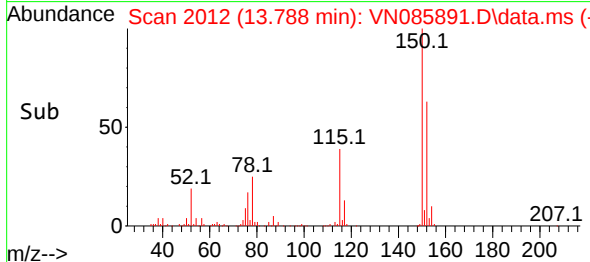
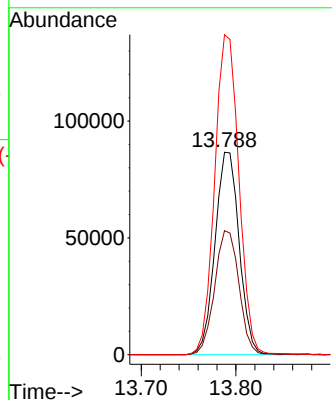
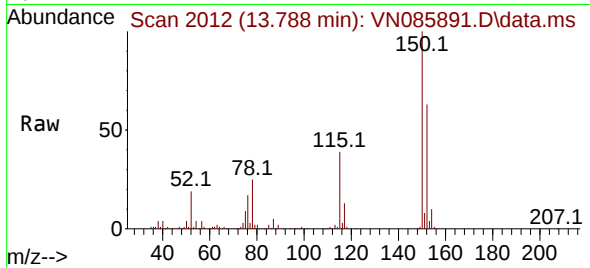




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

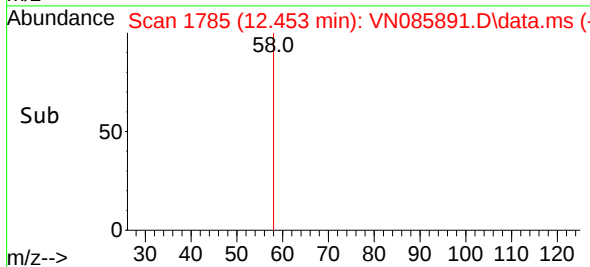
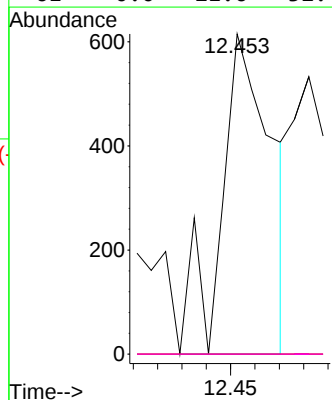
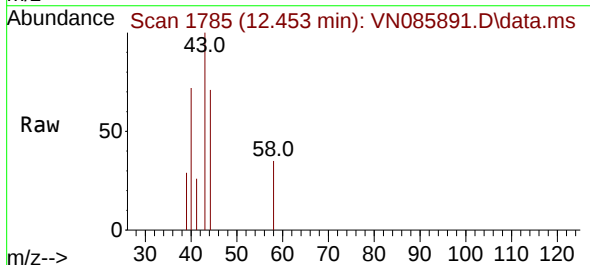
Instrument :
MSVOA_N
ClientSampleId :
TP-1-WC

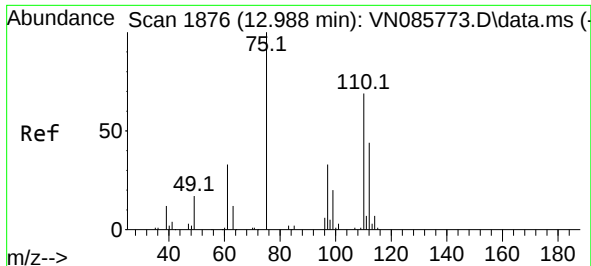
Tgt Ion:152 Resp: 153755
Ion Ratio Lower Upper
152 100
115 61.6 30.4 91.3
150 158.6 0.0 345.4



#74
N-ethyl acetate
Concen: 0.239 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

Tgt Ion: 43 Resp: 886
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.4#
55 0.0 24.6 36.8#
61 0.0 21.6 32.4#

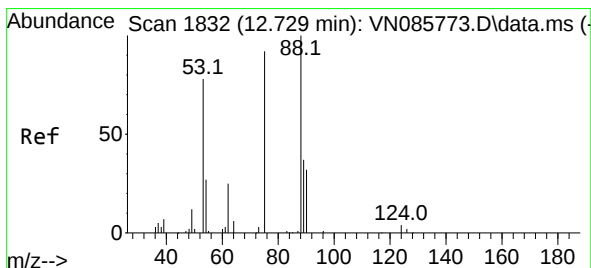
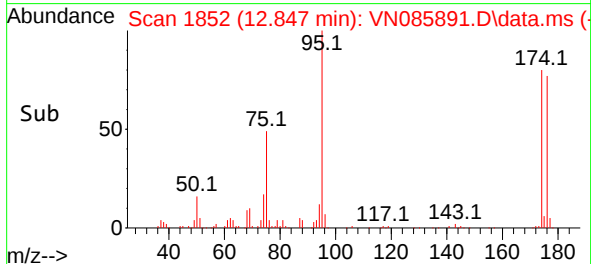
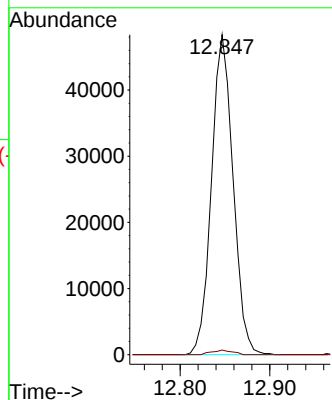
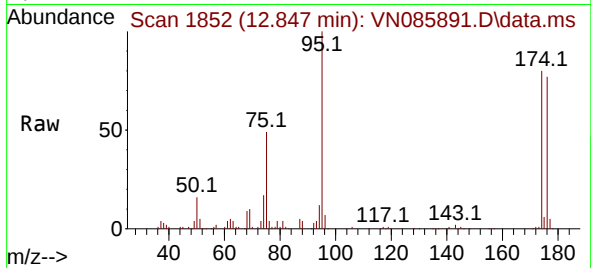




#76
1,2,3-Trichloropropane
Concen: 23.635 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

Instrument :
MSVOA_N
ClientSampleId :
TP-1-WC

Tgt Ion: 75 Resp: 80722
Ion Ratio Lower Upper
75 100
77 1.4 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.960 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.117 min
Lab File: VN085891.D
Acq: 27 Feb 2025 15:41

Tgt Ion: 75 Resp: 80722
Ion Ratio Lower Upper
75 100
53 0.2 74.2 111.4#
89 0.0 34.9 52.3#

