

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
 Data File : VN085892.D
 Acq On : 27 Feb 2025 16:05
 Operator : JC\MD
 Sample : Q1420-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2-WC

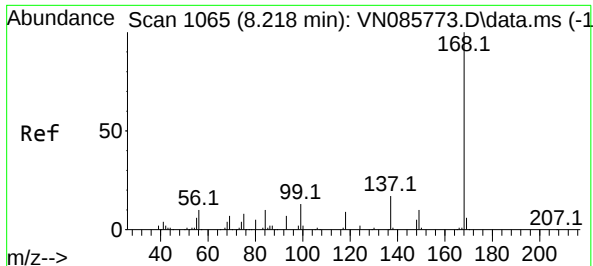
Quant Time: Feb 28 02:02:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	216754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	413960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	386396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145828	51.893	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.780%			
35) Dibromofluoromethane	8.165	113	131208	48.438	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.880%			
50) Toluene-d8	10.565	98	493372	50.062	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.120%			
62) 4-Bromofluorobenzene	12.847	95	157691	48.564	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.120%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	888	2.569	ug/l #	72
13) Acrolein	4.177	56	186	0.363	ug/l #	15
16) Acetone	4.424	43	69537	78.204	ug/l	96
18) Methyl Acetate	5.036	43	2710	0.886	ug/l #	79
20) Methylene Chloride	5.271	84	4046	1.415	ug/l	97
25) 2-Butanone	7.483	43	8037	6.144	ug/l #	88
31) Cyclohexane	8.224	56	4321	1.077	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16709	4.359	ug/l #	50
37) Ethyl Acetate	7.565	43	3572	1.132	ug/l #	85
38) Carbon Tetrachloride	8.230	117	21384	4.695	ug/l #	19
42) 1,2-Dichloroethane	8.677	62	940	0.235	ug/l #	73
43) Isopropyl Acetate	8.688	43	166223	29.801	ug/l #	86
45) 1,2-Dichloropropane	9.735	63	2235	0.754	ug/l #	43
48) Methyl methacrylate	9.659	41	3821	1.631	ug/l #	36
49) 1,4-Dioxane	9.735	88	178	3.995	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	12269	4.034	ug/l #	81
53) t-1,3-Dichloropropene	10.729	75	1098	0.265	ug/l #	62
54) cis-1,3-Dichloropropene	10.359	75	51104	11.261	ug/l #	62
56) Ethyl methacrylate	10.824	69	265	0.532	ug/l #	30
57) 1,3-Dichloropropane	11.200	76	7746	1.620	ug/l #	42
59) 2-Hexanone	11.200	43	76341	36.483	ug/l #	55
76) 1,2,3-Trichloropropane	12.847	75	75459	23.829	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75459	69.528	ug/l #	13

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

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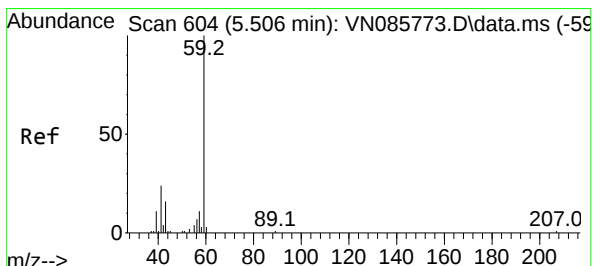
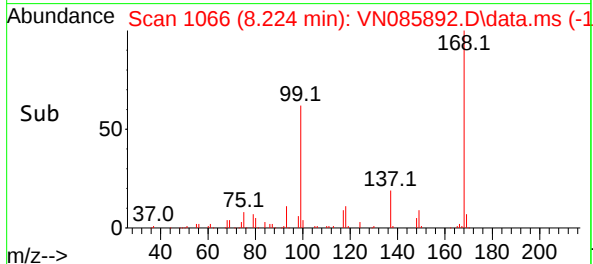
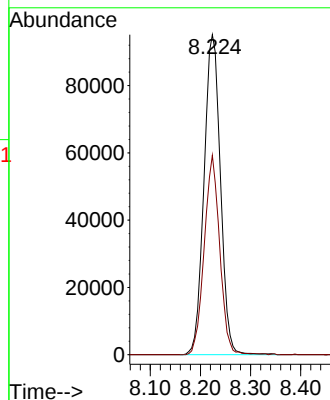
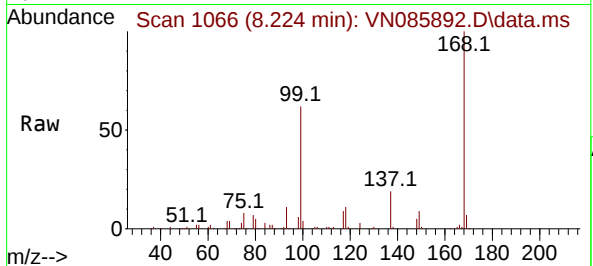




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085892.D
Acq: 27 Feb 2025 16:05

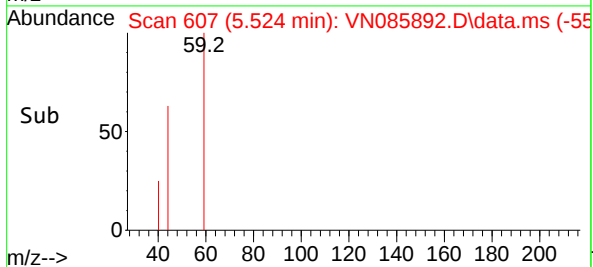
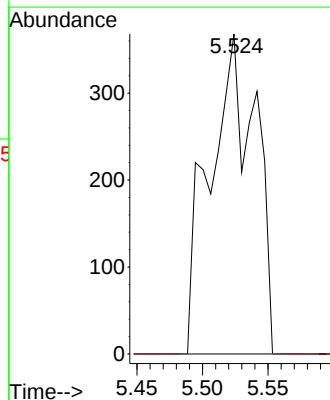
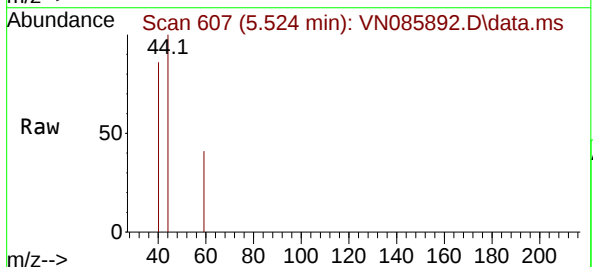
Instrument :
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TP-2-WC

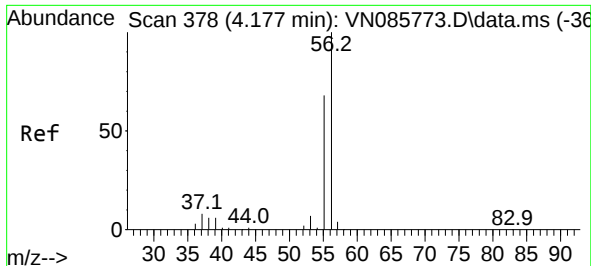
Tgt Ion:168 Resp: 216754
Ion Ratio Lower Upper
168 100
99 62.3 47.9 71.9



#11
Tert butyl alcohol
Concen: 2.569 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN085892.D
Acq: 27 Feb 2025 16:05

Tgt Ion: 59 Resp: 888
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

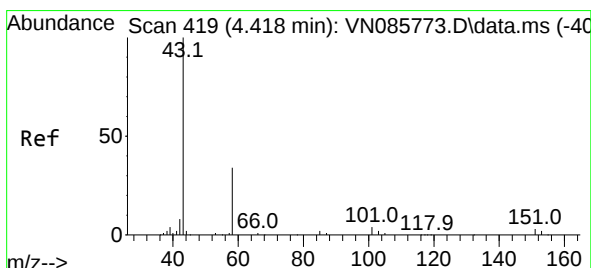
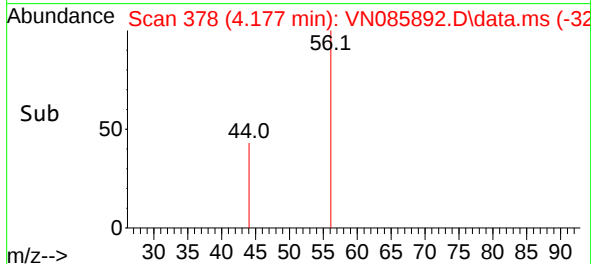
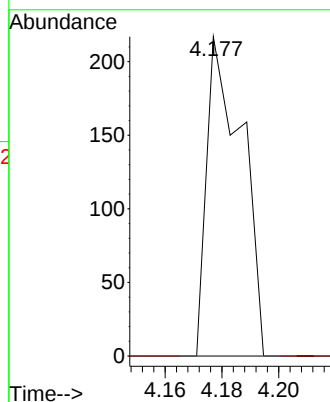
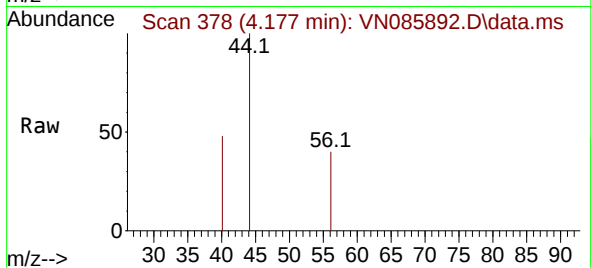




#13
Acrolein
Concen: 0.363 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN085892.D
Acq: 27 Feb 2025 16:05

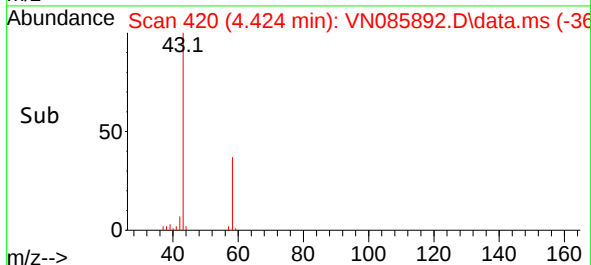
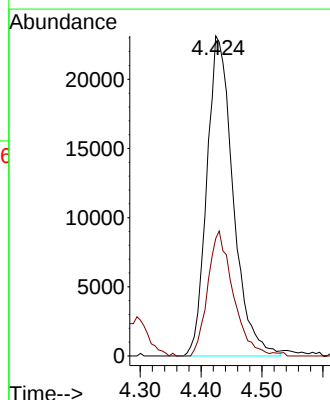
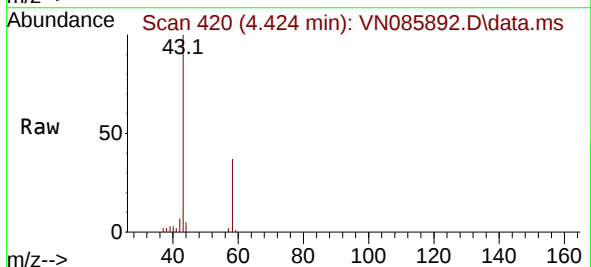
Instrument :
MSVOA_N
ClientSampleId :
TP-2-WC

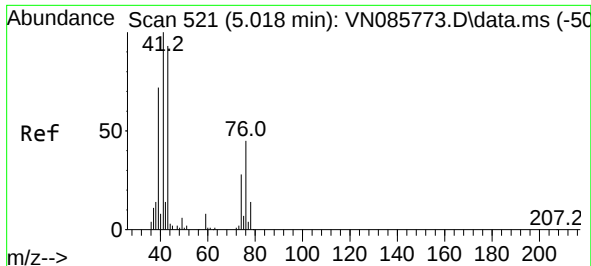
Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 78.204 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085892.D
Acq: 27 Feb 2025 16:05

Tgt Ion: 43 Resp: 69537
Ion Ratio Lower Upper
43 100
58 36.7 27.5 41.3

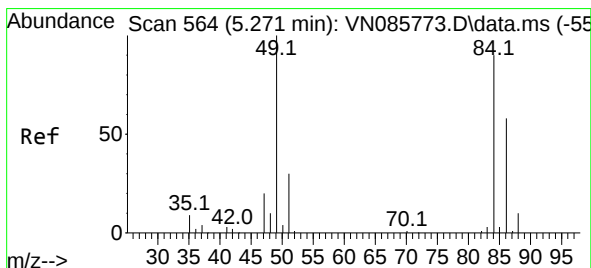
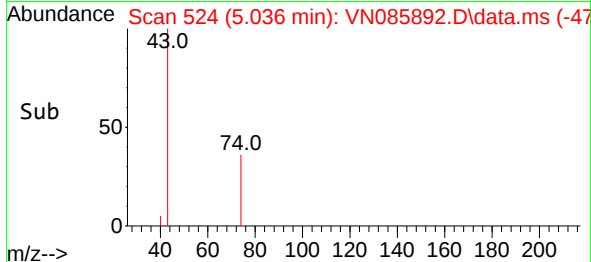
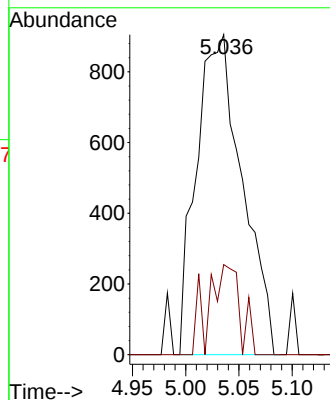
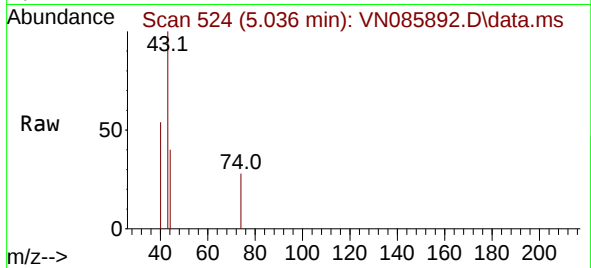




#18
Methyl Acetate
Concen: 0.886 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN085892.D
Acq: 27 Feb 2025 16:05

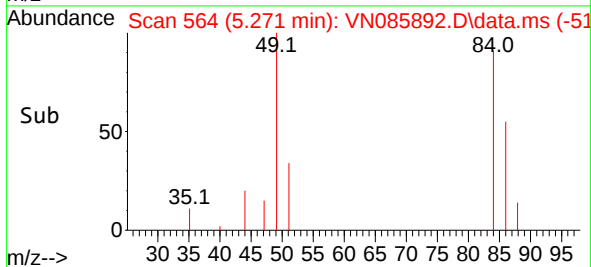
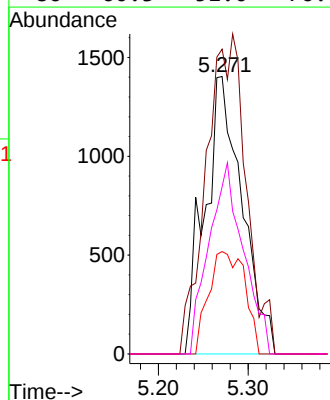
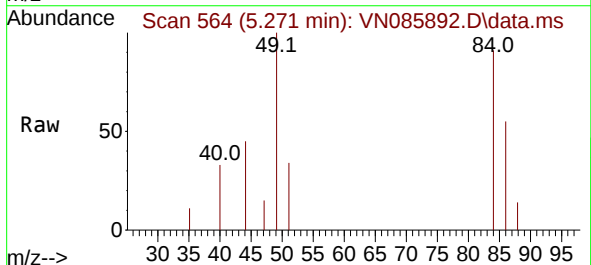
Instrument :
MSVOA_N
ClientSampleId :
TP-2-WC

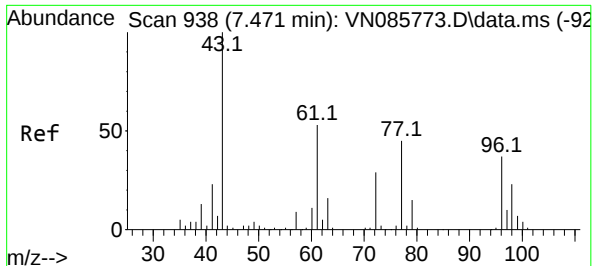
Tgt Ion: 43 Resp: 2710
Ion Ratio Lower Upper
43 100
74 16.6 22.2 33.4#



#20
Methylene Chloride
Concen: 1.415 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085892.D
Acq: 27 Feb 2025 16:05

Tgt Ion: 84 Resp: 4046
Ion Ratio Lower Upper
84 100
49 109.8 88.4 132.6
51 36.9 26.6 40.0
86 60.3 51.0 76.6

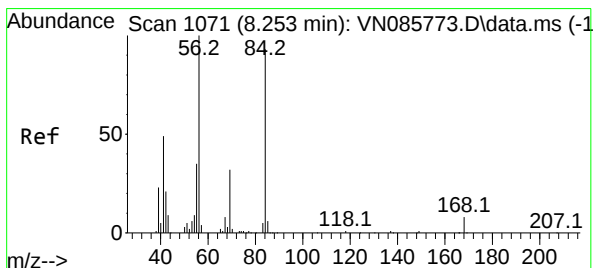
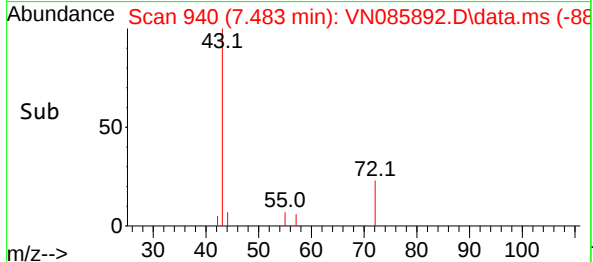
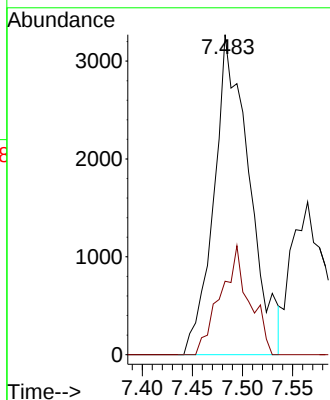
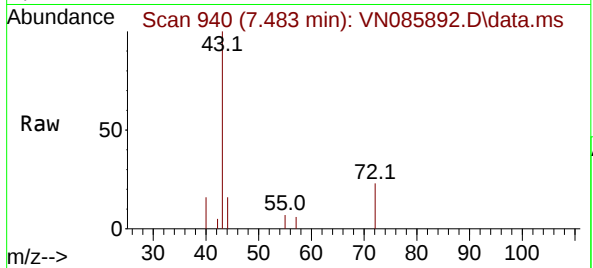




#25
2-Butanone
Concen: 6.144 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085892.D
Acq: 27 Feb 2025 16:05

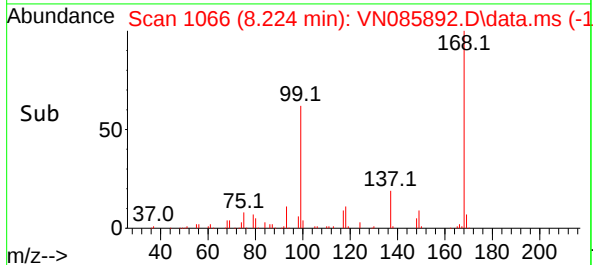
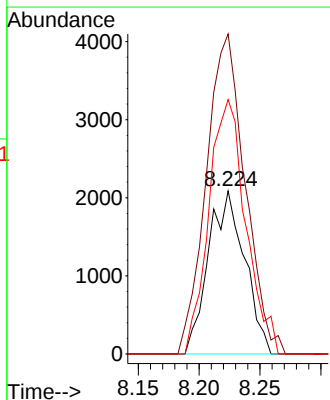
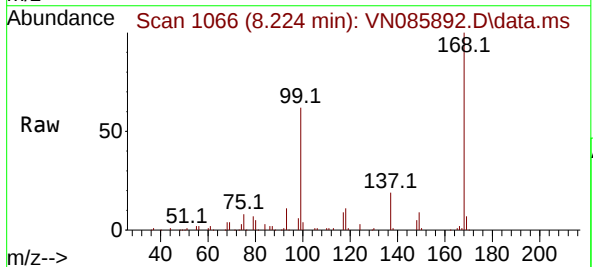
Instrument :
MSVOA_N
ClientSampleId :
TP-2-WC

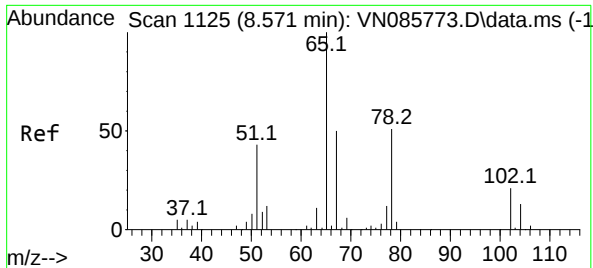
Tgt Ion: 43 Resp: 8037
Ion Ratio Lower Upper
43 100
72 23.0 23.6 35.4#



#31
Cyclohexane
Concen: 1.077 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085892.D
Acq: 27 Feb 2025 16:05

Tgt Ion: 56 Resp: 4321
Ion Ratio Lower Upper
56 100
69 196.4 25.8 38.6#
84 156.1 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 51.893 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085892.D

Acq: 27 Feb 2025 16:05

Instrument :

MSVOA_N

ClientSampleId :

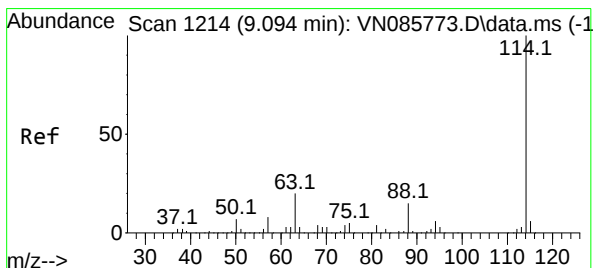
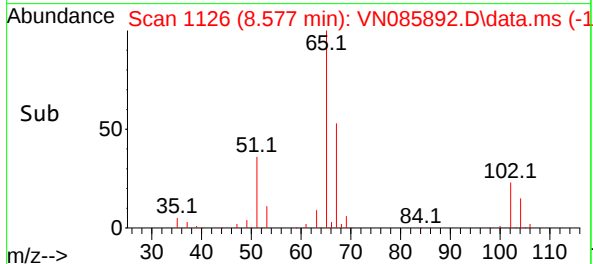
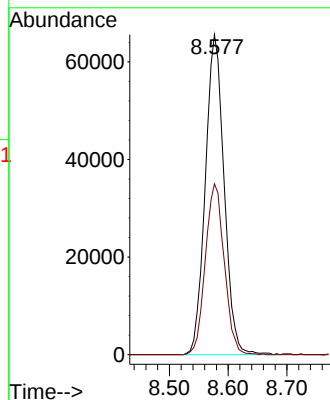
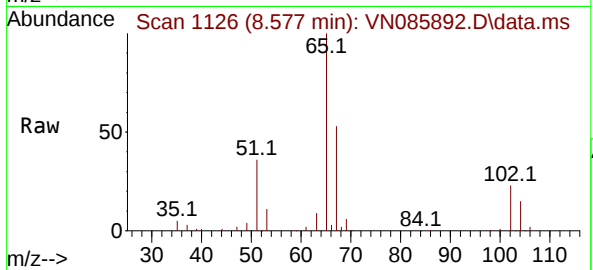
TP-2-WC

Tgt Ion: 65 Resp: 145828

Ion Ratio Lower Upper

65 100

67 53.7 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: VN085892.D

Acq: 27 Feb 2025 16:05

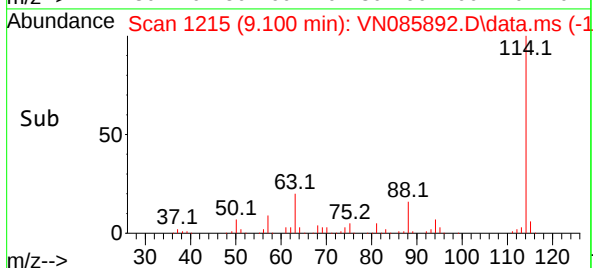
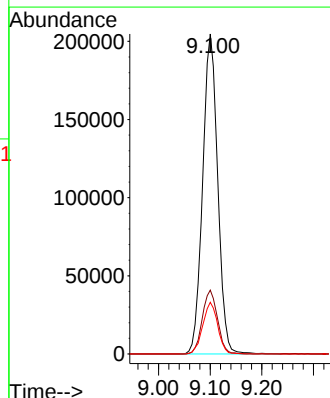
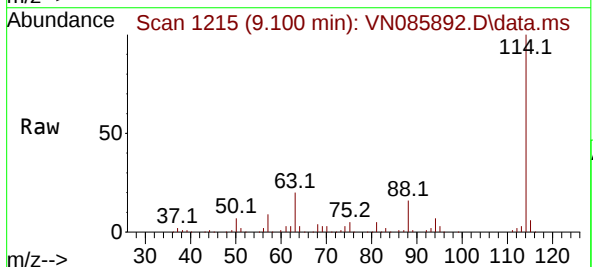
Tgt Ion: 114 Resp: 413960

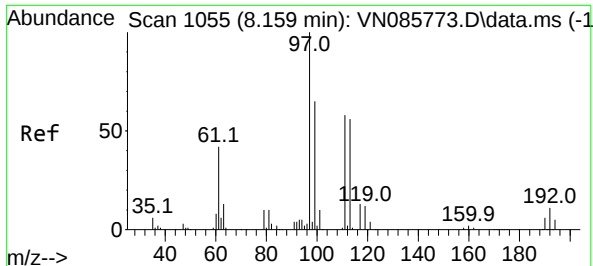
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.2

88 16.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.438 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085892.D

Acq: 27 Feb 2025 16:05

Instrument :

MSVOA_N

ClientSampleId :

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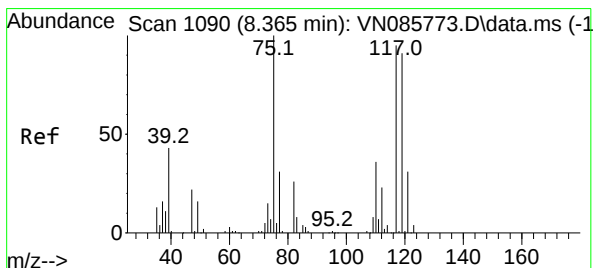
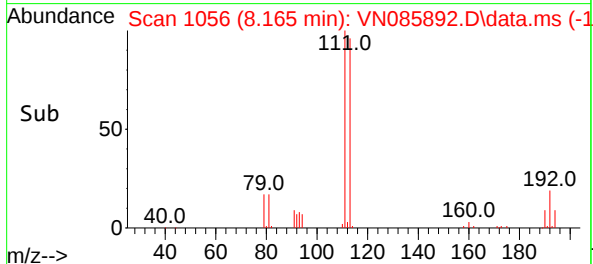
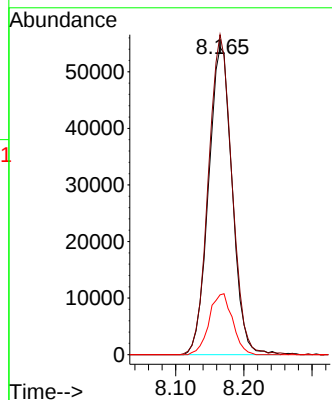
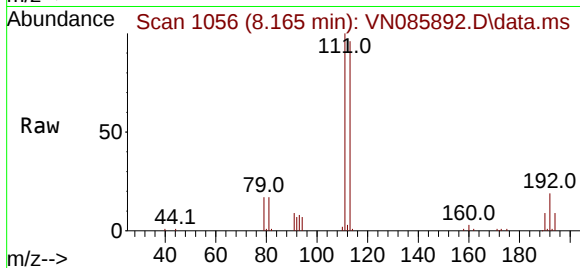
Tgt Ion:113 Resp: 131208

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

192 19.6 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.359 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085892.D

Acq: 27 Feb 2025 16:05

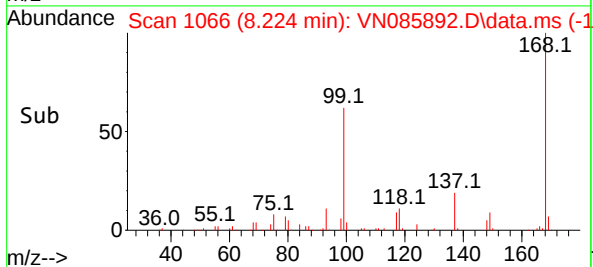
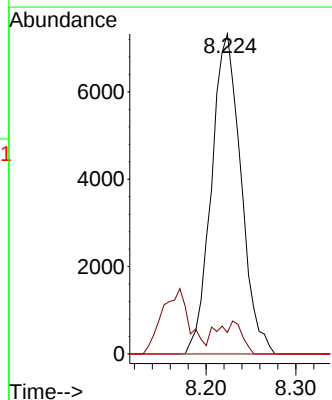
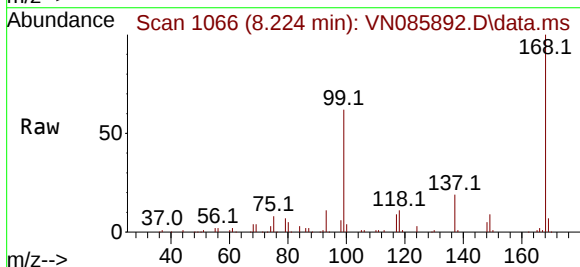
Tgt Ion: 75 Resp: 16709

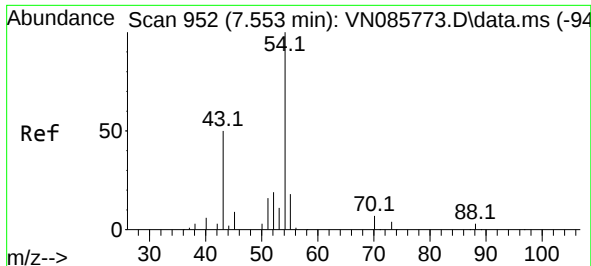
Ion Ratio Lower Upper

75 100

110 8.9 17.3 52.0#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.132 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN085892.D

Acq: 27 Feb 2025 16:05

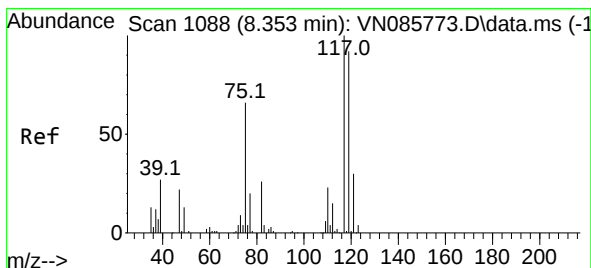
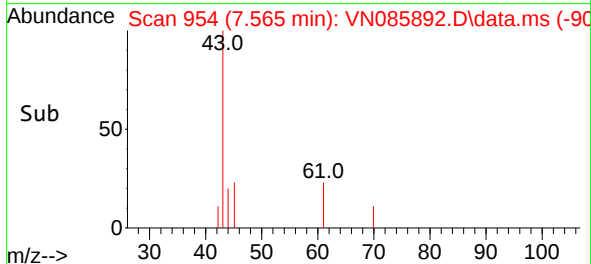
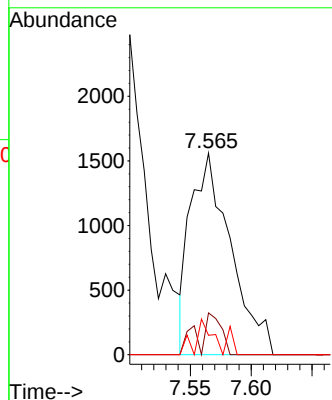
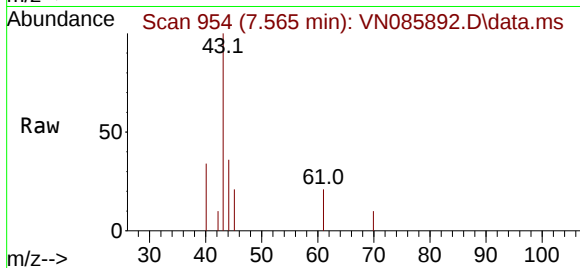
Instrument :

MSVOA_N

ClientSampleId :

TP-2-WC

Tgt Ion:	43	Resp:	3572
Ion	Ratio	Lower	Upper
43	100		
61	7.9	12.2	18.2#
70	7.3	9.5	14.3#



#38

Carbon Tetrachloride

Concen: 4.695 ug/l

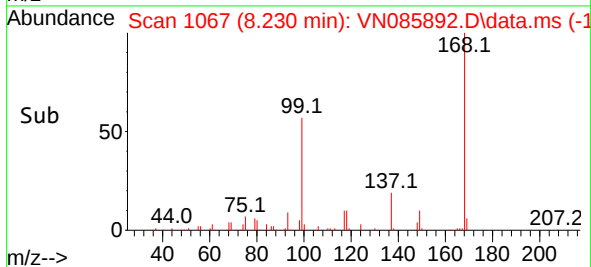
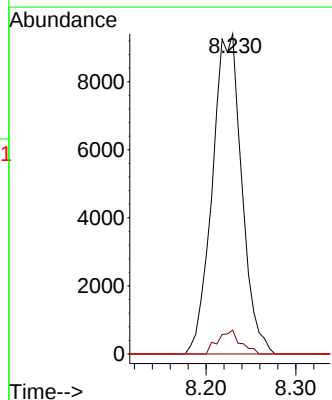
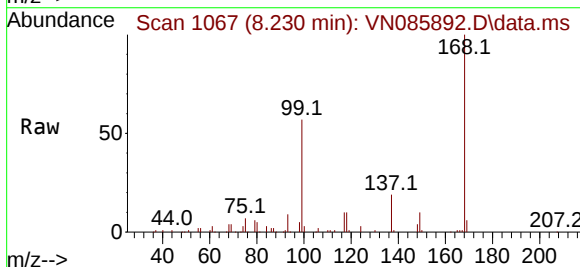
RT: 8.230 min Scan# 1067

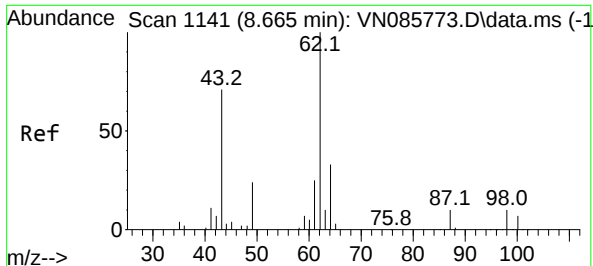
Delta R.T. -0.124 min

Lab File: VN085892.D

Acq: 27 Feb 2025 16:05

Tgt Ion:	117	Resp:	21384
Ion	Ratio	Lower	Upper
117	100		
119	7.4	73.8	110.6#
121	0.0	24.3	36.5#





#42

1,2-Dichloroethane

Concen: 0.235 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.012 min

Lab File: VN085892.D

Acq: 27 Feb 2025 16:05

Instrument :

MSVOA_N

ClientSampleId :

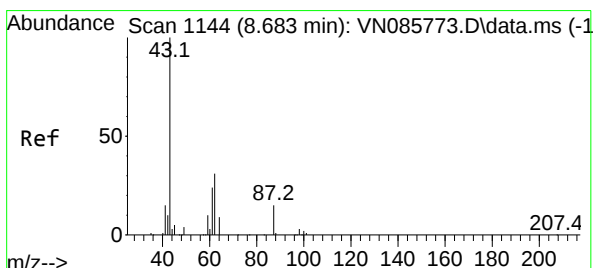
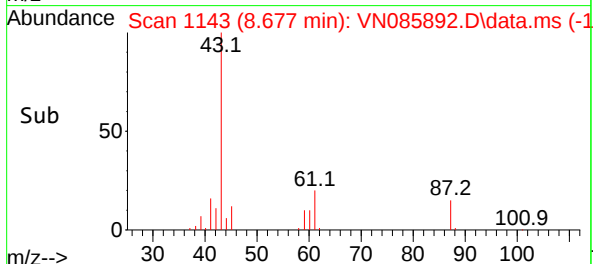
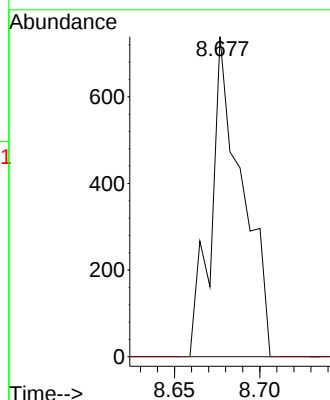
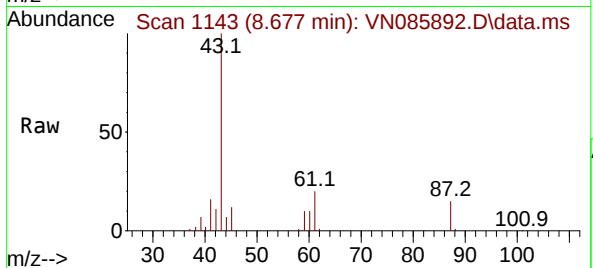
TP-2-WC

Tgt Ion: 62 Resp: 940

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 29.801 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.005 min

Lab File: VN085892.D

Acq: 27 Feb 2025 16:05

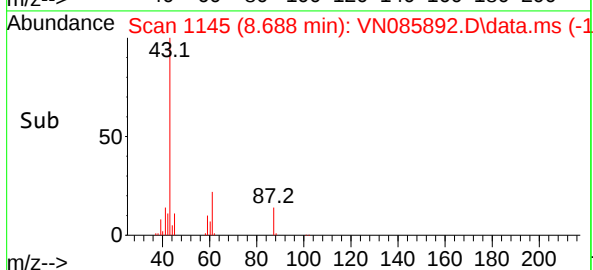
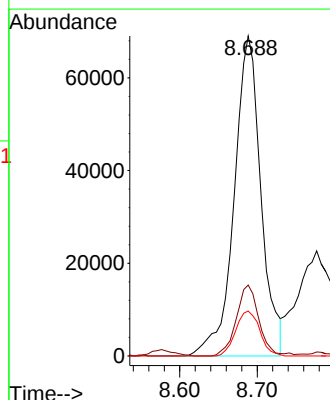
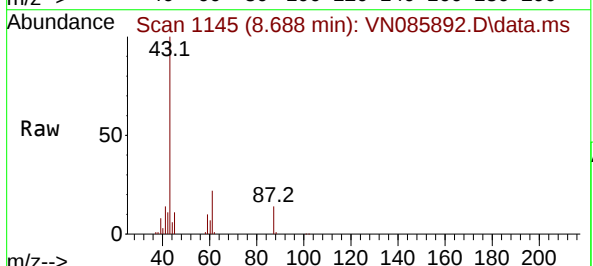
Tgt Ion: 43 Resp: 166223

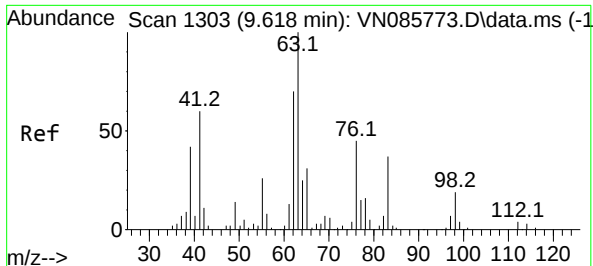
Ion Ratio Lower Upper

43 100

61 18.9 22.6 34.0#

87 12.6 11.8 17.8





#45

1,2-Dichloropropane

Concen: 0.754 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085892.D

Acq: 27 Feb 2025 16:05

Instrument :

MSVOA_N

ClientSampleId :

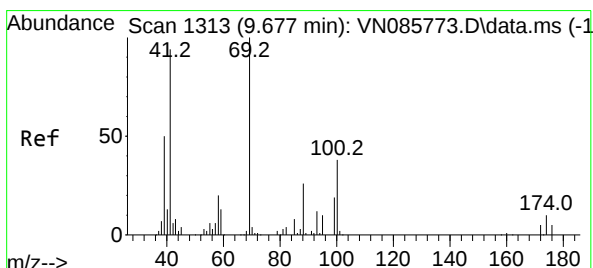
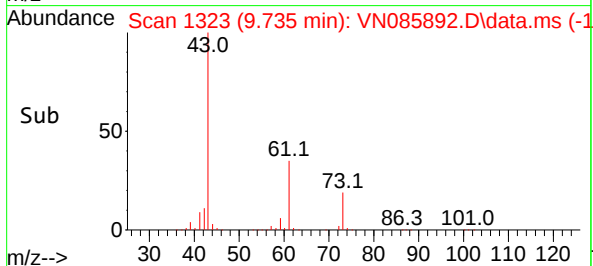
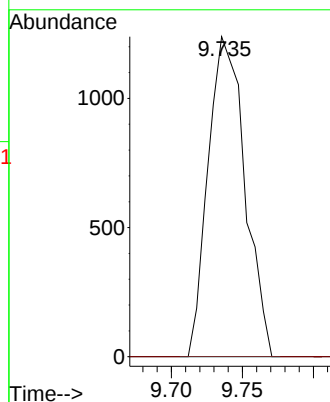
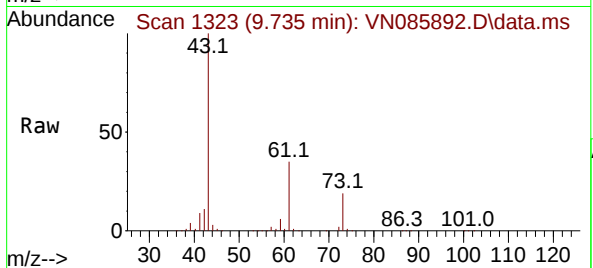
TP-2-WC

Tgt Ion: 63 Resp: 2235

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 1.631 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN085892.D

Acq: 27 Feb 2025 16:05

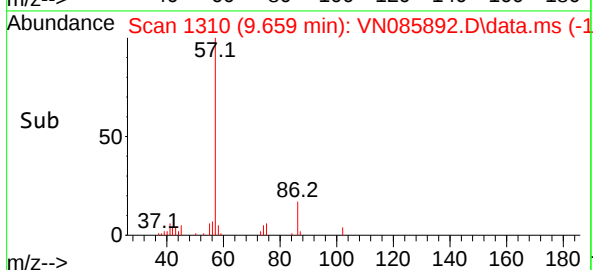
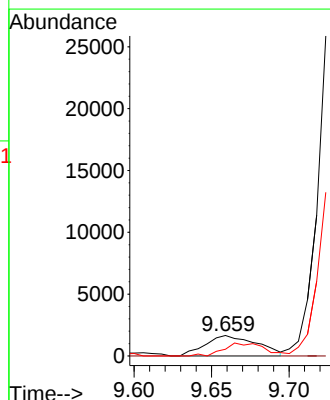
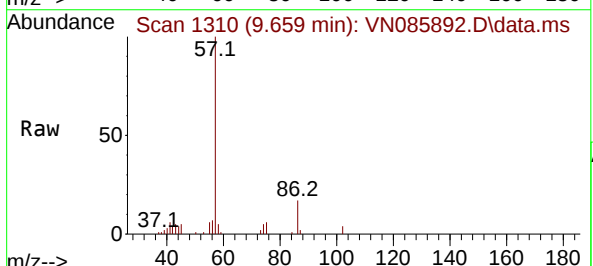
Tgt Ion: 41 Resp: 3821

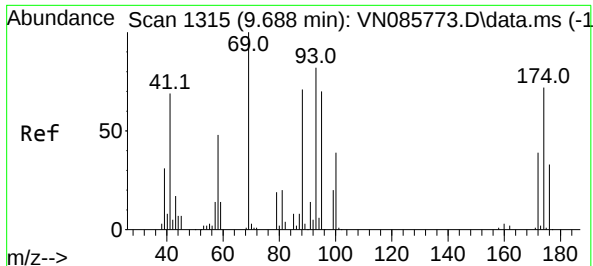
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 50.9 42.3 63.5





#49

1,4-Dioxane

Concen: 3.995 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN085892.D

Acq: 27 Feb 2025 16:05

Instrument :

MSVOA_N

ClientSampleId :

TP-2-WC

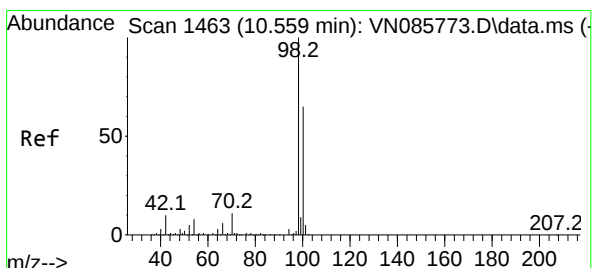
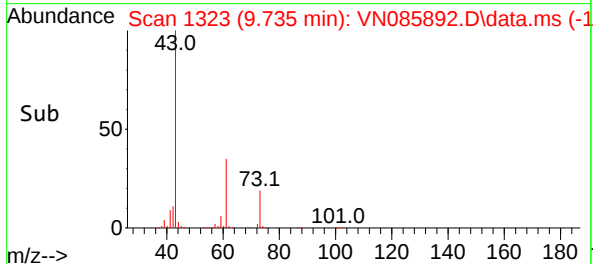
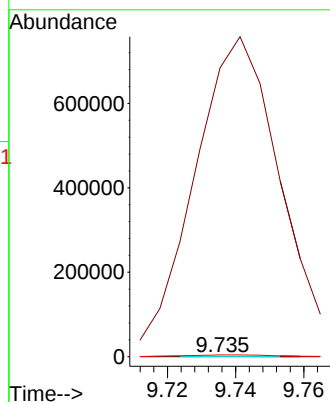
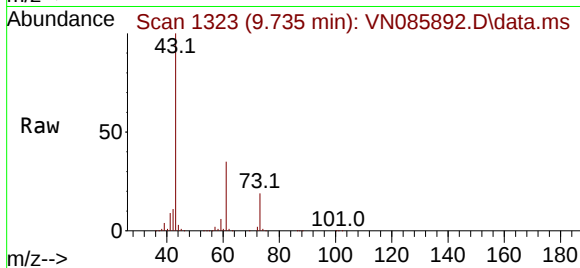
Tgt Ion: 88 Resp: 178

Ion Ratio Lower Upper

88 100

43 761678.1 18.6 27.8#

58 4603.9 56.7 85.1#



#50

Toluene-d8

Concen: 50.062 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN085892.D

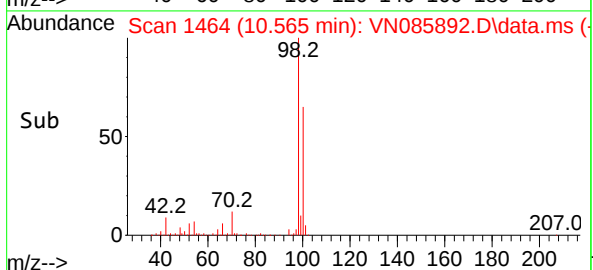
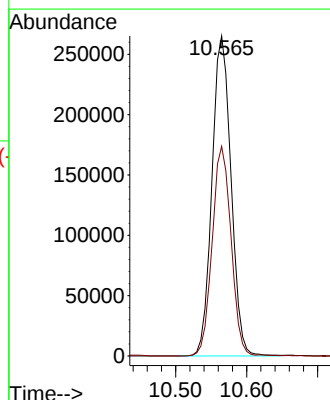
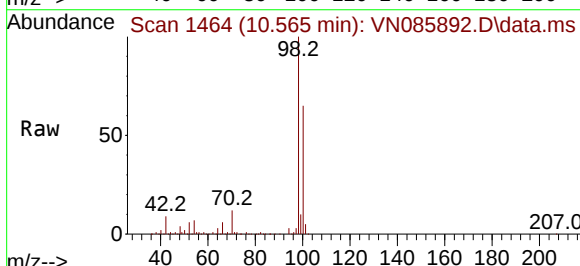
Acq: 27 Feb 2025 16:05

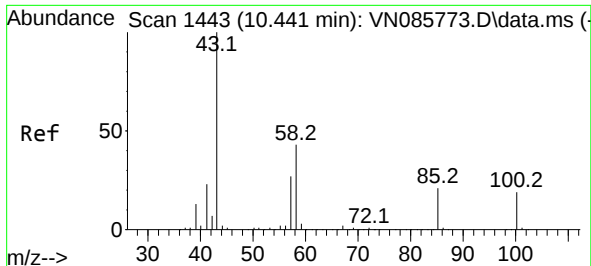
Tgt Ion: 98 Resp: 493372

Ion Ratio Lower Upper

98 100

100 65.0 52.1 78.1

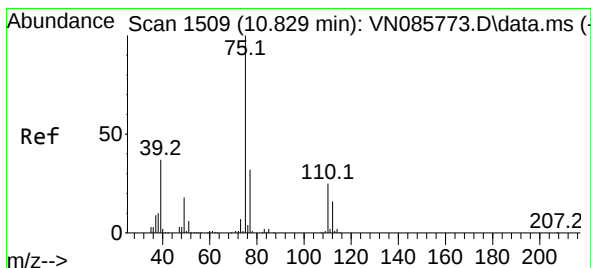
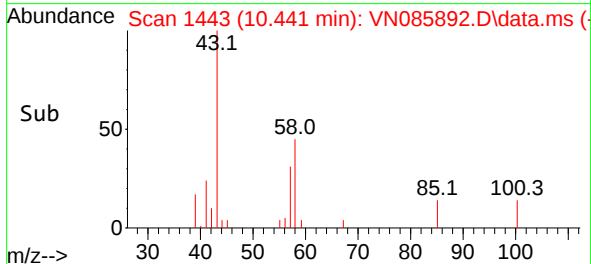
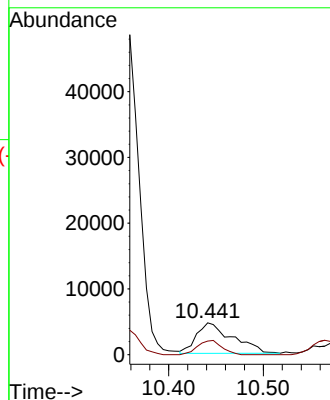
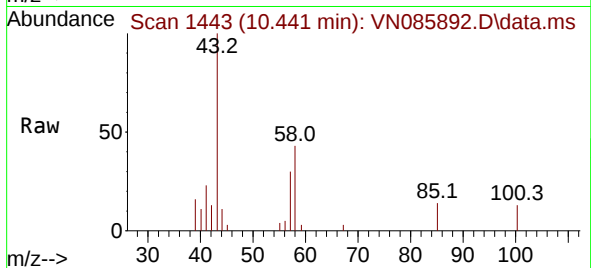




#51
4-Methyl-2-Pentanone
Concen: 4.034 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085892.D
Acq: 27 Feb 2025 16:05

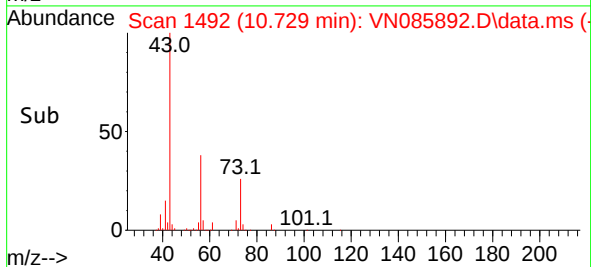
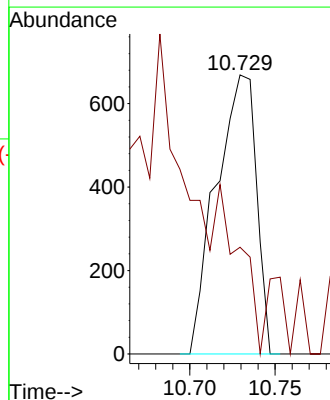
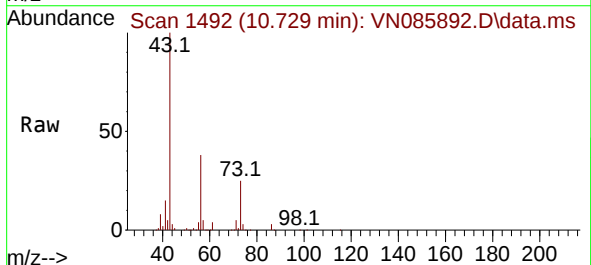
Instrument :
MSVOA_N
ClientSampleId :
TP-2-WC

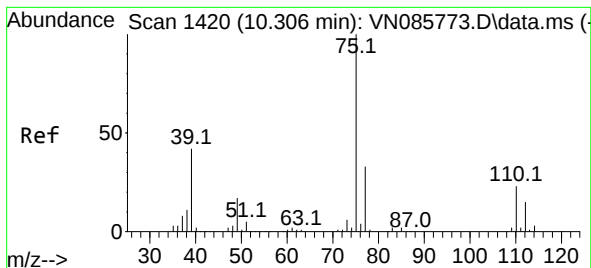
Tgt Ion: 43 Resp: 12269
Ion Ratio Lower Upper
43 100
58 31.3 34.6 52.0#



#53
t-1,3-Dichloropropene
Concen: 0.265 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.100 min
Lab File: VN085892.D
Acq: 27 Feb 2025 16:05

Tgt Ion: 75 Resp: 1098
Ion Ratio Lower Upper
75 100
77 10.8 25.4 38.0#

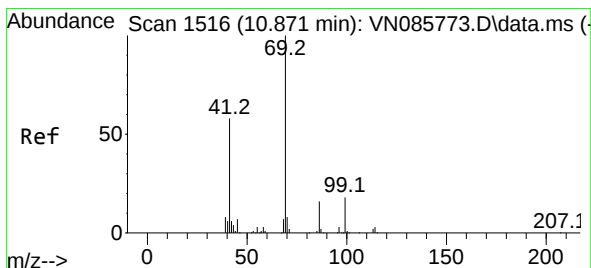
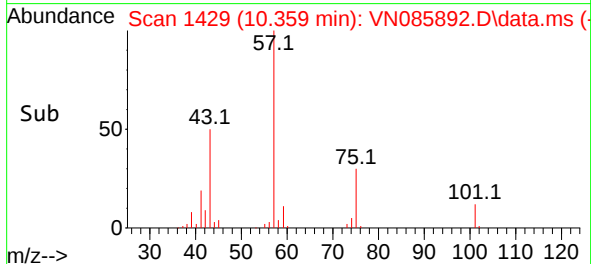
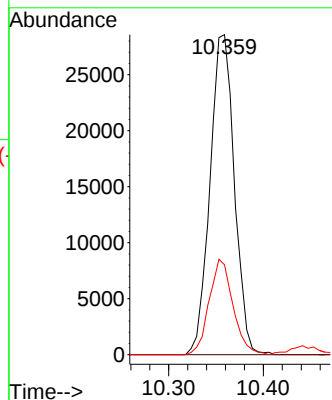
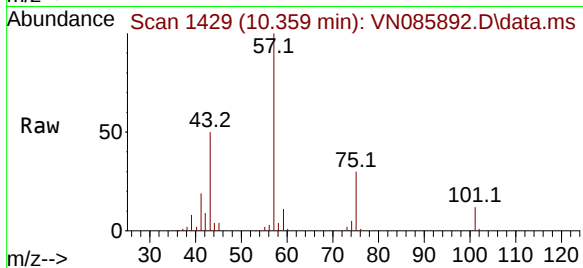




#54
 cis-1,3-Dichloropropene
 Concen: 11.261 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085892.D
 Acq: 27 Feb 2025 16:05

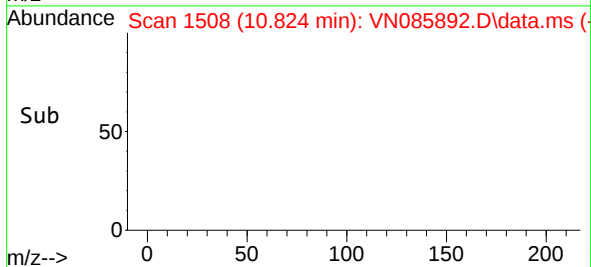
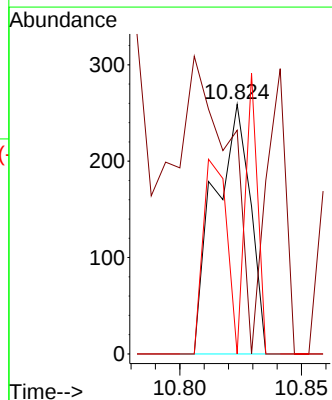
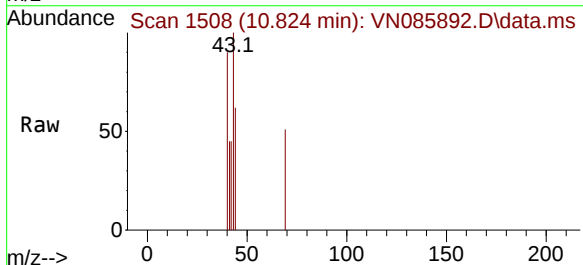
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2-WC

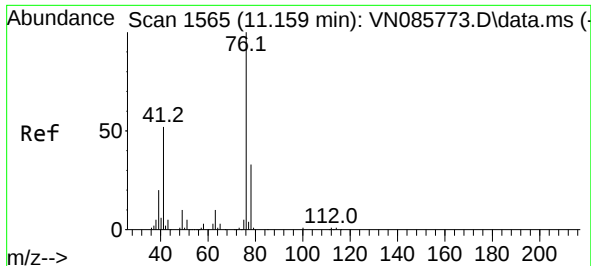
Tgt Ion: 75 Resp: 51104
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 28.1 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 0.532 ug/l
 RT: 10.824 min Scan# 1508
 Delta R.T. -0.047 min
 Lab File: VN085892.D
 Acq: 27 Feb 2025 16:05

Tgt Ion: 69 Resp: 265
 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: 1.620 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085892.D

Acq: 27 Feb 2025 16:05

Instrument :

MSVOA_N

ClientSampleId :

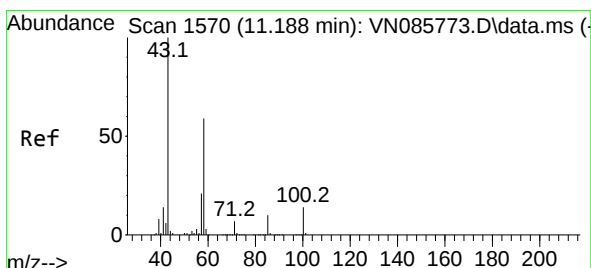
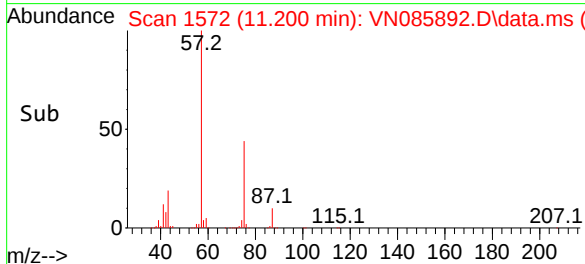
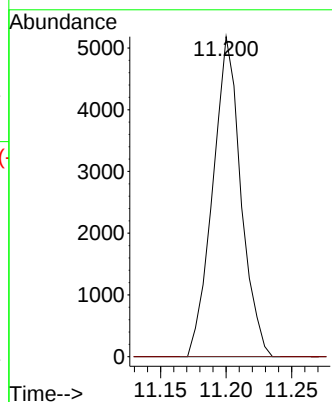
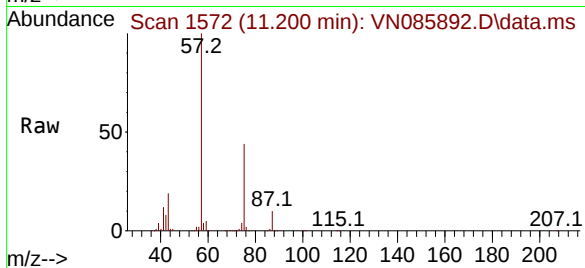
TP-2-WC

Tgt Ion: 76 Resp: 7746

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 36.483 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085892.D

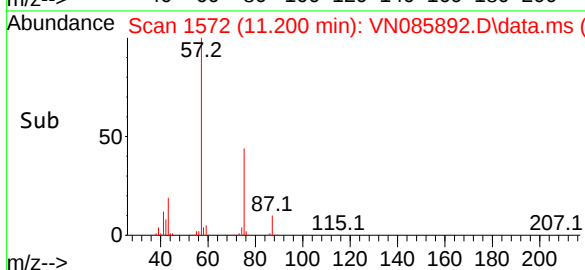
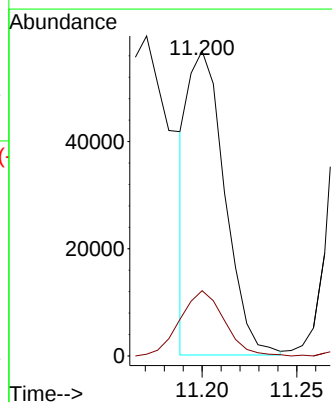
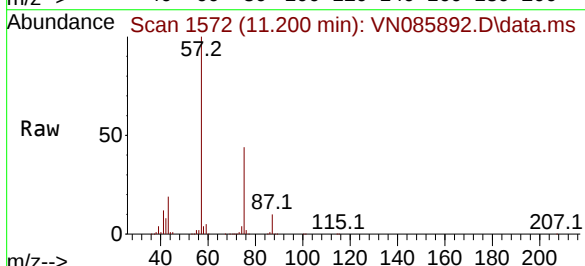
Acq: 27 Feb 2025 16:05

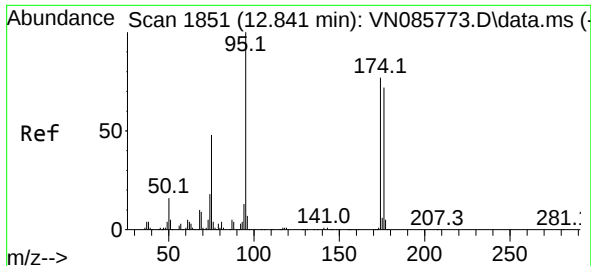
Tgt Ion: 43 Resp: 76341

Ion Ratio Lower Upper

43 100

58 26.0 29.8 89.5#

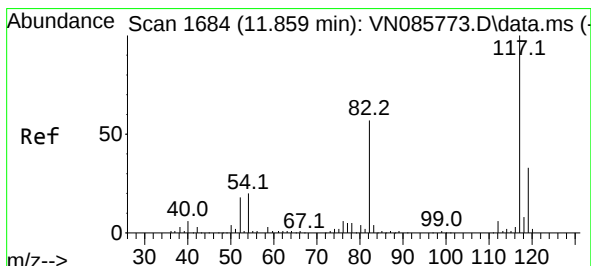
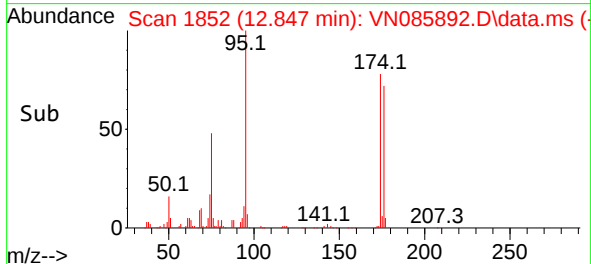
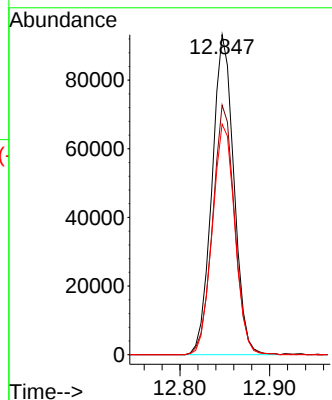
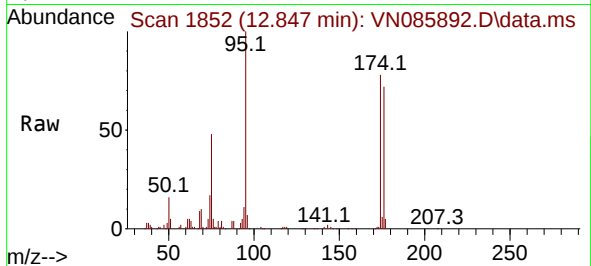




#62
4-Bromofluorobenzene
Concen: 48.564 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085892.D
Acq: 27 Feb 2025 16:05

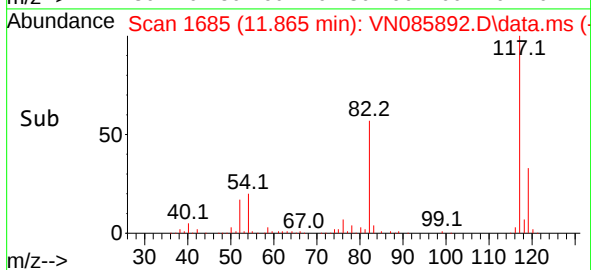
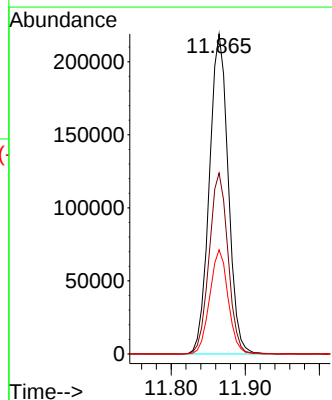
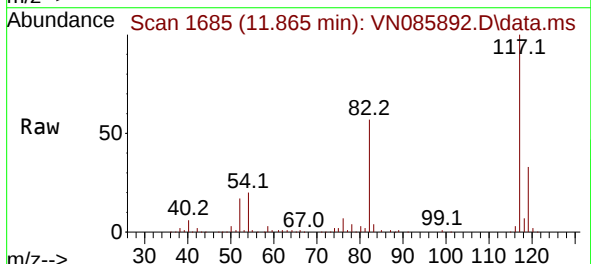
Instrument :
MSVOA_N
ClientSampleId :
TP-2-WC

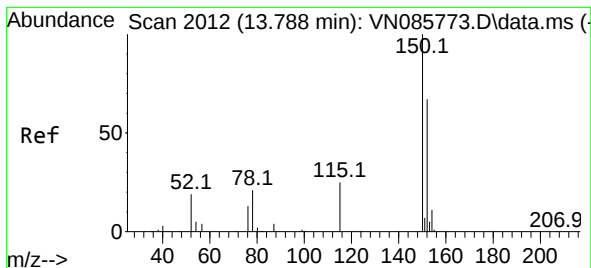
Tgt Ion: 95 Resp: 157691
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.4
176 74.3 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085892.D
Acq: 27 Feb 2025 16:05

Tgt Ion: 117 Resp: 386396
Ion Ratio Lower Upper
117 100
82 56.5 45.7 68.5
119 32.6 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2012

Delta R.T. 0.006 min

Lab File: VN085892.D

Acq: 27 Feb 2025 16:05

Instrument :

MSVOA_N

ClientSampleId :

TP-2-WC

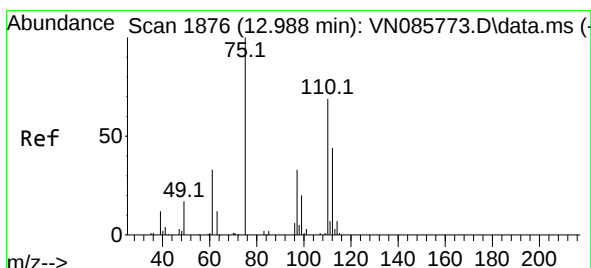
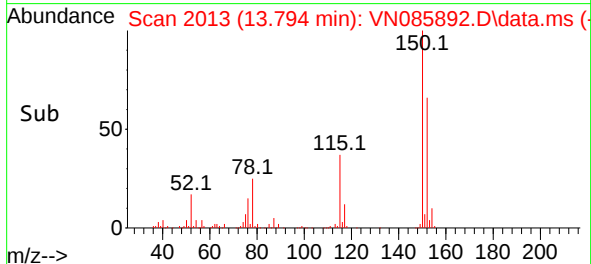
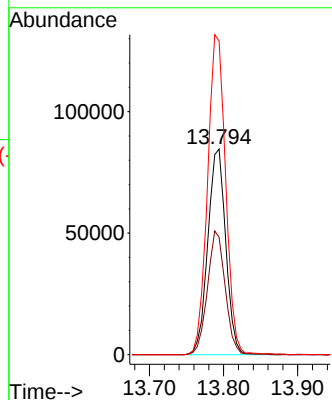
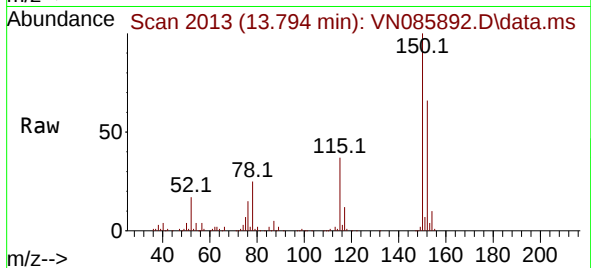
Tgt Ion:152 Resp: 142556

Ion Ratio Lower Upper

152 100

115 59.5 30.4 91.3

150 156.8 0.0 345.4



#76

1,2,3-Trichloropropane

Concen: 23.829 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085892.D

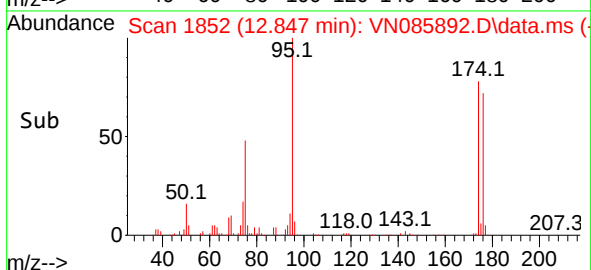
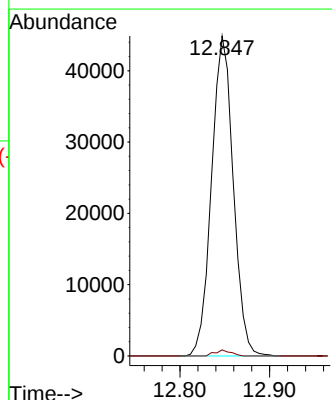
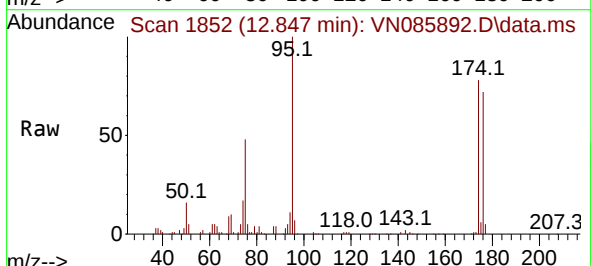
Acq: 27 Feb 2025 16:05

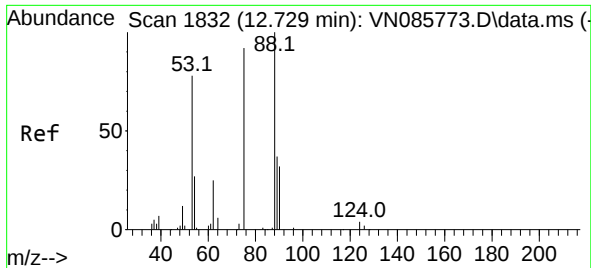
Tgt Ion: 75 Resp: 75459

Ion Ratio Lower Upper

75 100

77 1.4 100.0 300.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.528 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN085892.D
 Acq: 27 Feb 2025 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2-WC

Tgt Ion: 75 Resp: 75459
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.0 34.9 52.3#

