

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031325\
 Data File : VN085979.D
 Acq On : 13 Mar 2025 14:37
 Operator : JC\MD
 Sample : Q1547-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-620-JB-COMP-01

Quant Time: Mar 14 00:29:00 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

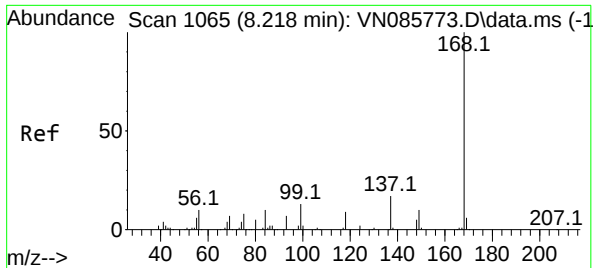
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	152286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108507	54.959	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.920%			
35) Dibromofluoromethane	8.165	113	91028	49.171	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	10.565	98	328648	48.794	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.580%			
62) 4-Bromofluorobenzene	12.847	95	111587	50.283	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.560%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	2626	10.814	ug/l #	79
16) Acetone	4.430	43	17538	28.074	ug/l	100
18) Methyl Acetate	5.036	43	1412	0.657	ug/l #	79
20) Methylene Chloride	5.271	84	3409	1.697	ug/l	92
25) 2-Butanone	7.483	43	11947	12.999	ug/l	98
29) Tetrahydrofuran	7.847	42	267	0.450	ug/l #	29
31) Cyclohexane	8.230	56	3315	1.176	ug/l #	24
36) 1,1-Dichloropropene	8.218	75	11929	4.553	ug/l #	51
37) Ethyl Acetate	7.559	43	2365	1.097	ug/l #	76
38) Carbon Tetrachloride	8.230	117	16477	5.293	ug/l #	18
42) 1,2-Dichloroethane	8.683	62	654	0.239	ug/l #	73
43) Isopropyl Acetate	8.688	43	91881	23.998	ug/l #	87
45) 1,2-Dichloropropane	9.735	63	1160	0.572	ug/l #	43
48) Methyl methacrylate	9.665	41	2309	1.442	ug/l #	36
51) 4-Methyl-2-Pentanone	10.435	43	3533	1.700	ug/l	92
53) t-1,3-Dichloropropene	10.724	75	710	0.251	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	28554	9.206	ug/l #	62
56) Ethyl methacrylate	10.977	69	1310	0.979	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3931	1.203	ug/l #	42
59) 2-Hexanone	11.200	43	52459	36.682	ug/l #	58
74) N-amyl acetate	12.453	43	3089	1.190	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	57253	23.995	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57253	70.011	ug/l #	12

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

Quant Time: Mar 14 00:29:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
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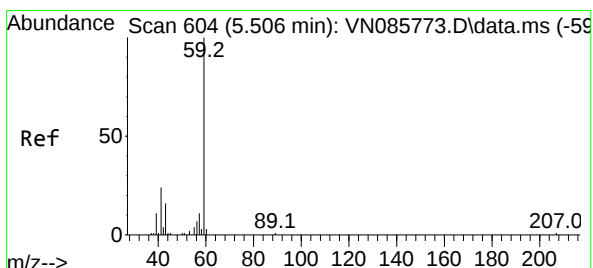
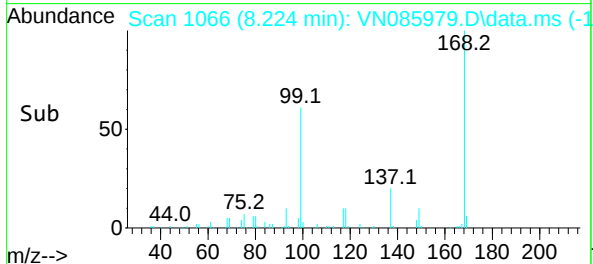
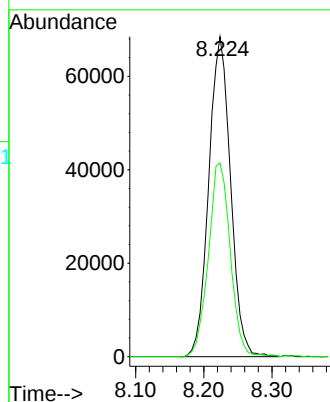
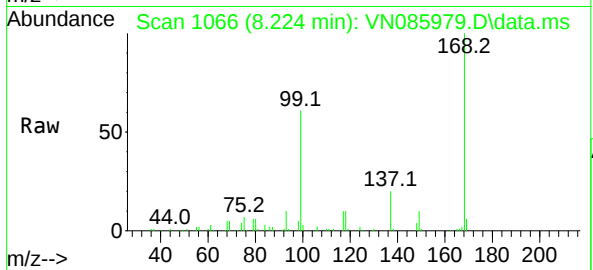




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

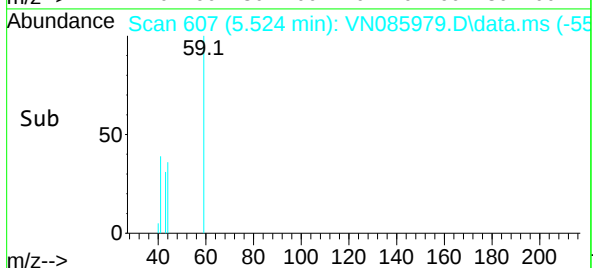
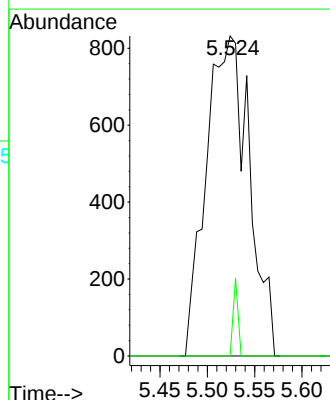
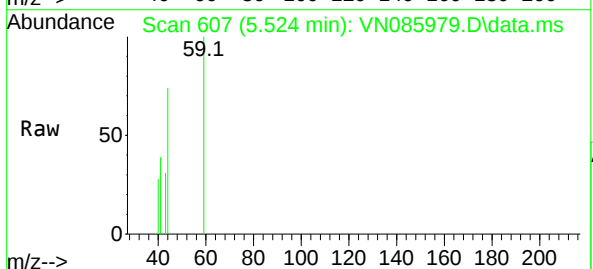
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-01

Tgt Ion:168 Resp: 152286
Ion Ratio Lower Upper
168 100
99 60.5 47.9 71.9



#11
Tert butyl alcohol
Concen: 10.814 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

Tgt Ion: 59 Resp: 2626
Ion Ratio Lower Upper
59 100
57 2.7 8.3 12.5#

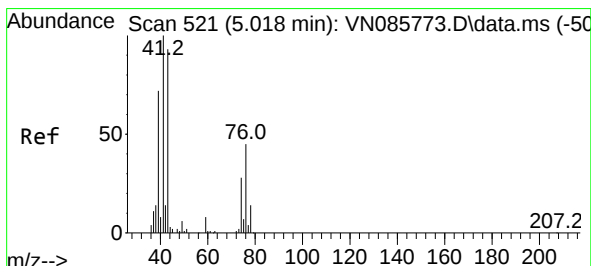
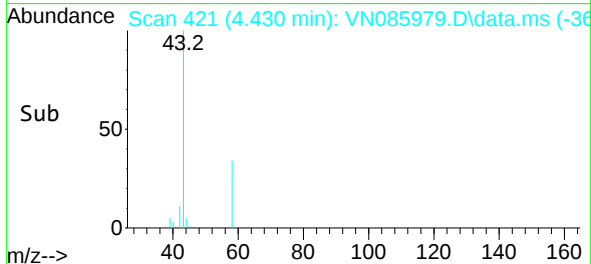
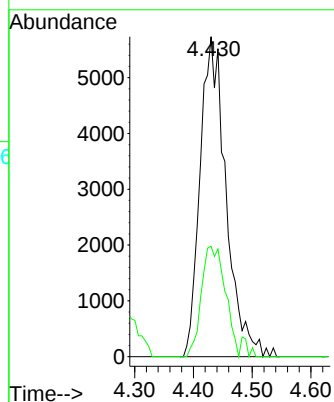
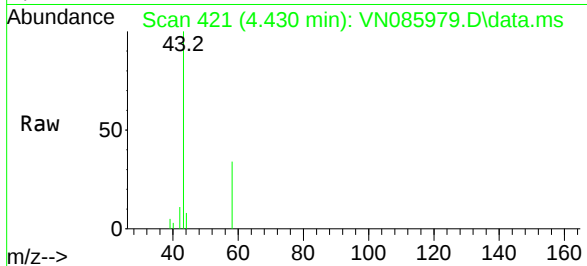




#16
Acetone
Concen: 28.074 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

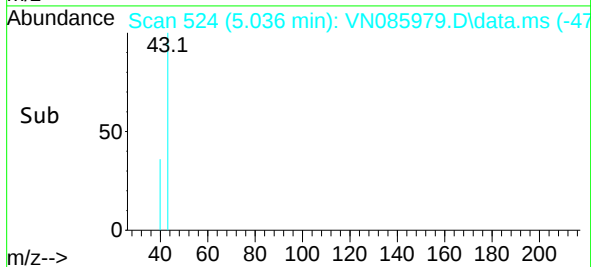
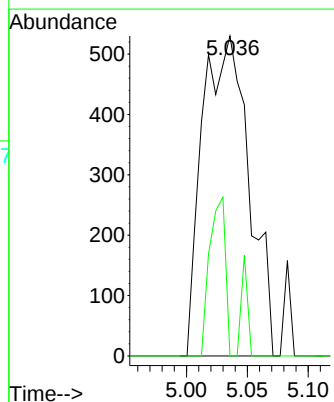
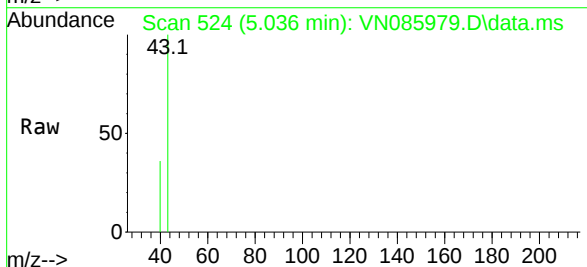
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-01

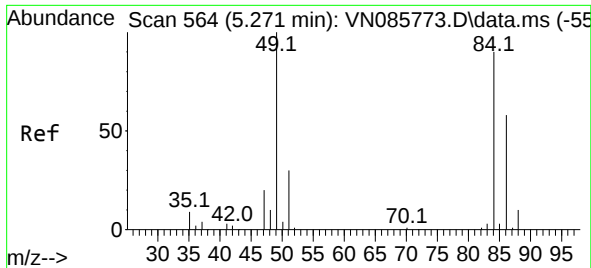
Tgt Ion: 43 Resp: 17538
Ion Ratio Lower Upper
43 100
58 34.5 27.5 41.3



#18
Methyl Acetate
Concen: 0.657 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

Tgt Ion: 43 Resp: 1412
Ion Ratio Lower Upper
43 100
74 16.8 22.2 33.4#

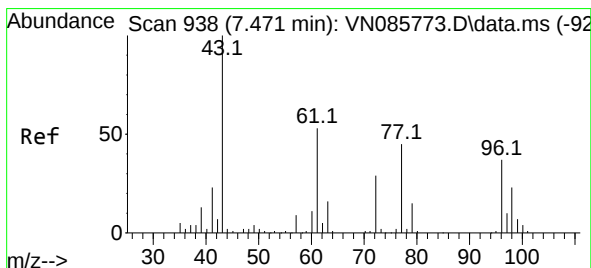
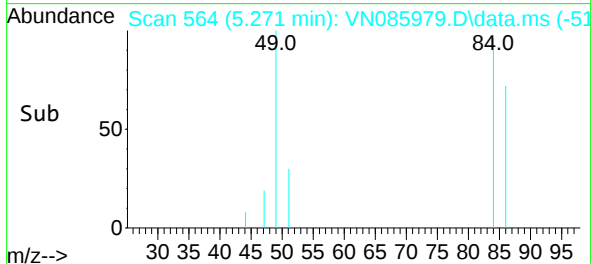
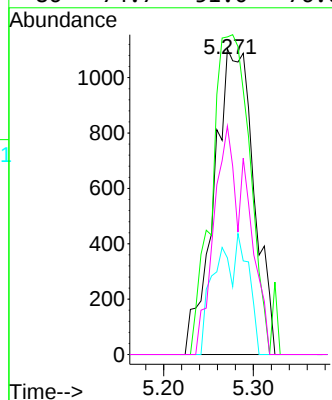
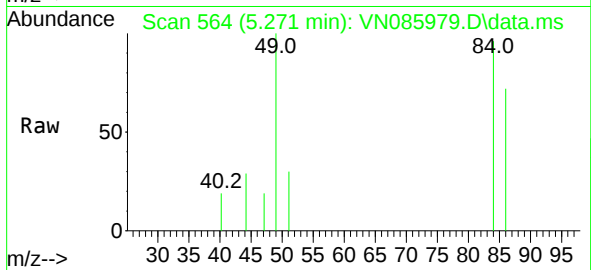




#20
Methylene Chloride
Concen: 1.697 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

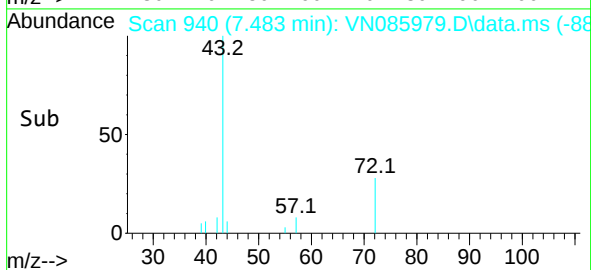
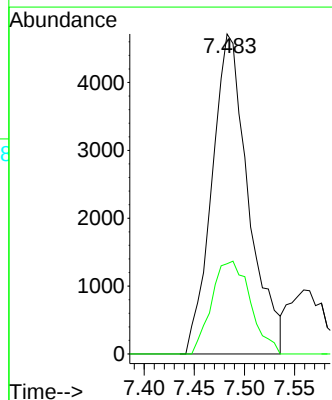
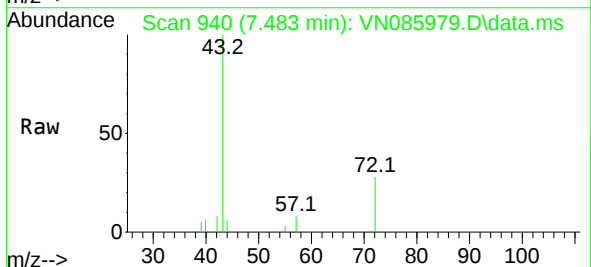
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-01

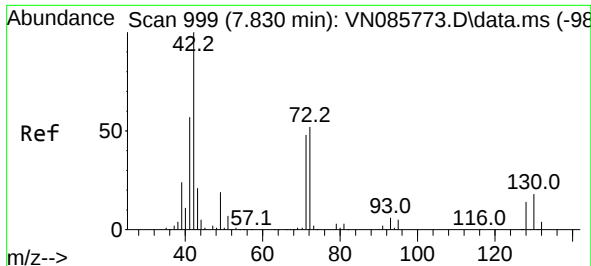
Tgt Ion: 84	Resp: 3409
Ion Ratio	Lower Upper
84 100	
49 103.9	88.4 132.6
51 31.6	26.6 40.0
86 74.7	51.0 76.6



#25
2-Butanone
Concen: 12.999 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

Tgt Ion: 43	Resp: 11947
Ion Ratio	Lower Upper
43 100	
72 28.2	23.6 35.4





#29

Tetrahydrofuran

Concen: 0.450 ug/l

RT: 7.847 min Scan# 1067

Delta R.T. 0.018 min

Lab File: VN085979.D

Acq: 13 Mar 2025 14:37

Instrument :

MSVOA_N

ClientSampleId :

OR-620-JB-COMP-01

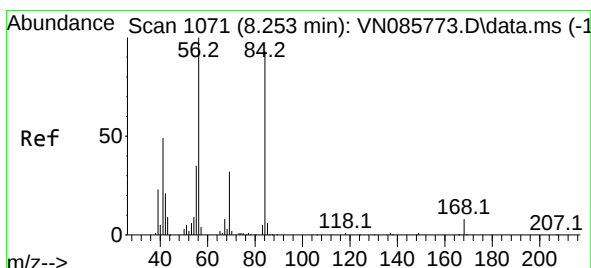
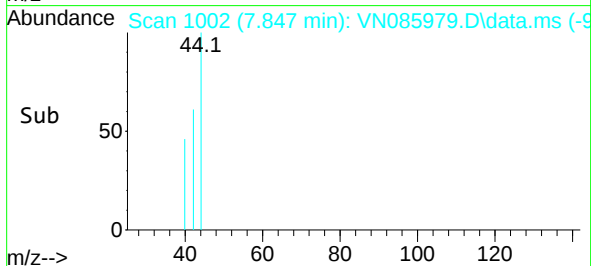
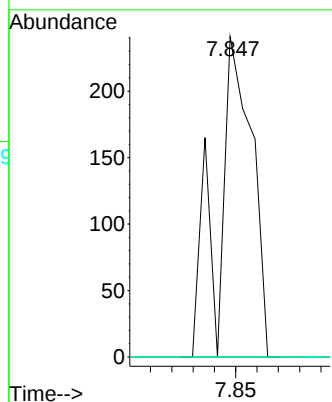
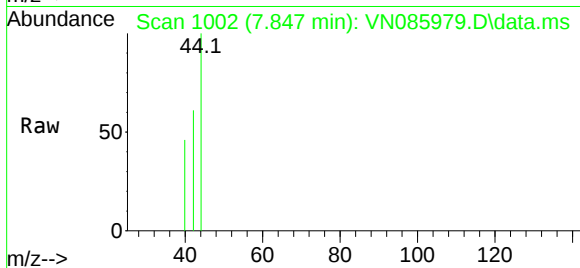
Tgt Ion: 42 Resp: 267

Ion Ratio Lower Upper

42 100

72 0.0 40.0 60.0#

71 0.0 37.0 55.4#



#31

Cyclohexane

Concen: 1.176 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.023 min

Lab File: VN085979.D

Acq: 13 Mar 2025 14:37

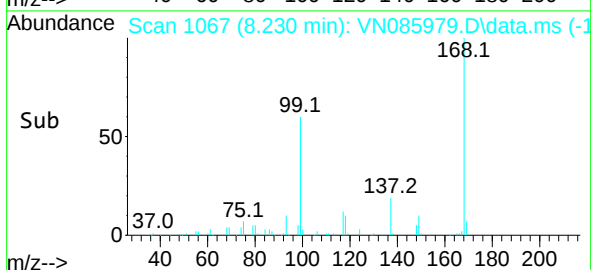
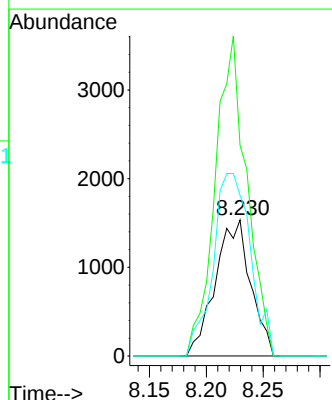
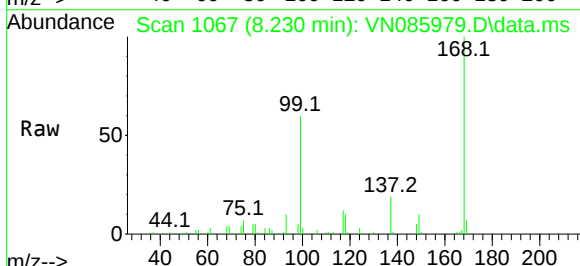
Tgt Ion: 56 Resp: 3315

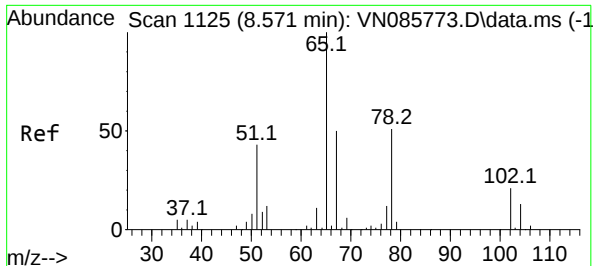
Ion Ratio Lower Upper

56 100

69 154.9 25.8 38.6#

84 118.1 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 54.959 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085979.D

Acq: 13 Mar 2025 14:37

Instrument :

MSVOA_N

ClientSampleId :

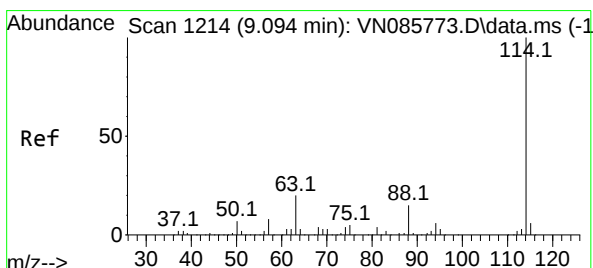
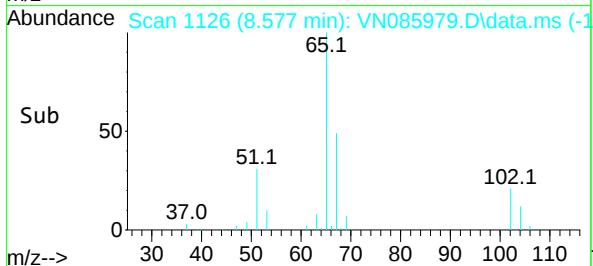
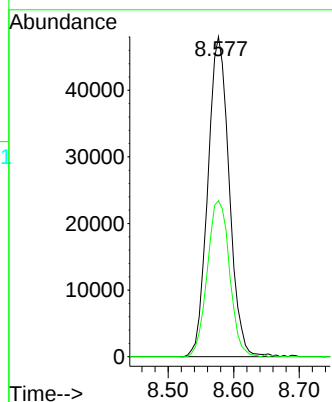
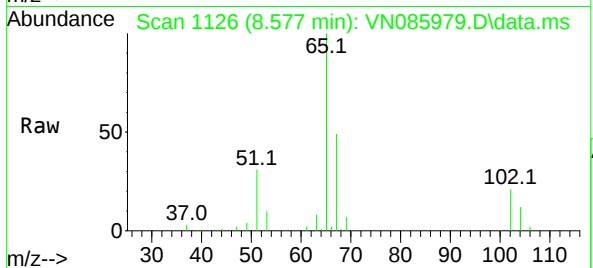
OR-620-JB-COMP-01

Tgt Ion: 65 Resp: 108507

Ion Ratio Lower Upper

65 100

67 50.8 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: VN085979.D

Acq: 13 Mar 2025 14:37

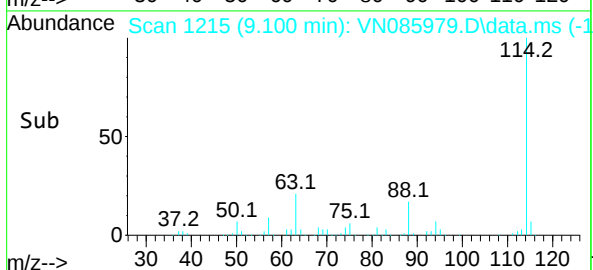
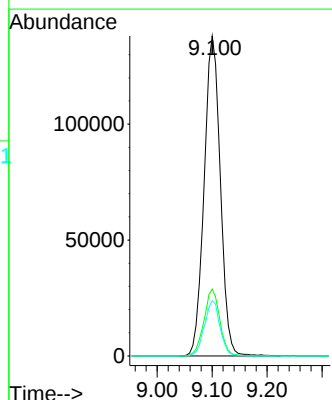
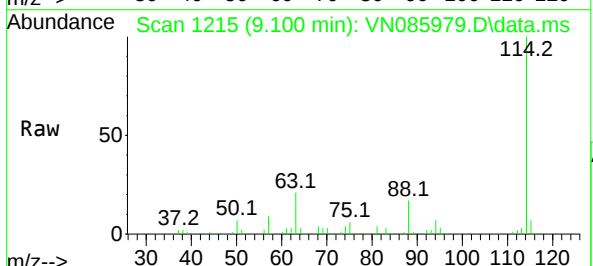
Tgt Ion: 114 Resp: 282913

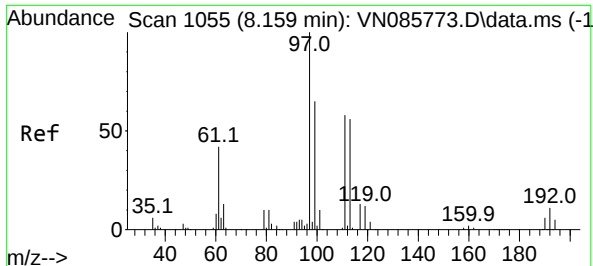
Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.2

88 17.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.171 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085979.D

Acq: 13 Mar 2025 14:37

Instrument :

MSVOA_N

ClientSampleId :

OR-620-JB-COMP-01

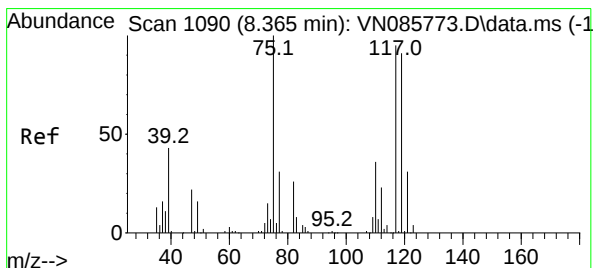
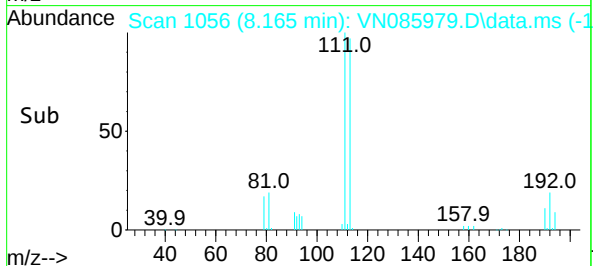
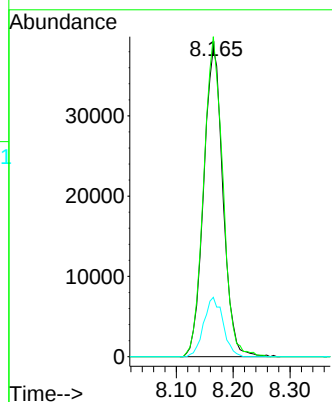
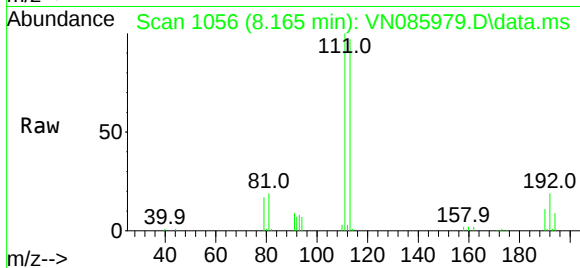
Tgt Ion:113 Resp: 91028

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 19.1 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.553 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085979.D

Acq: 13 Mar 2025 14:37

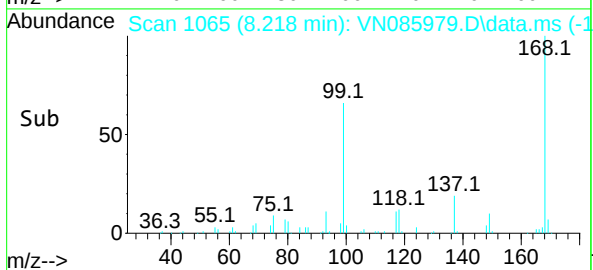
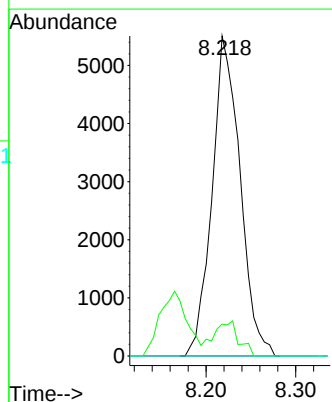
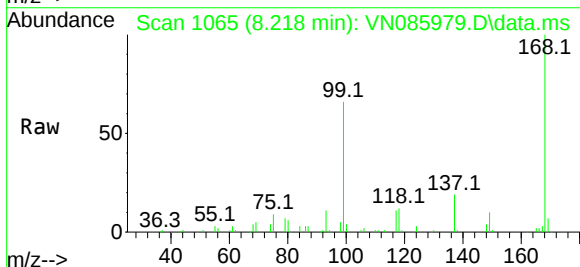
Tgt Ion: 75 Resp: 11929

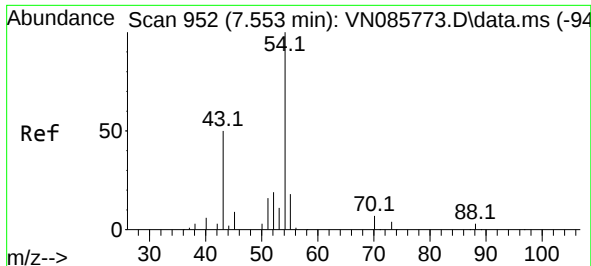
Ion Ratio Lower Upper

75 100

110 9.8 17.3 52.0#

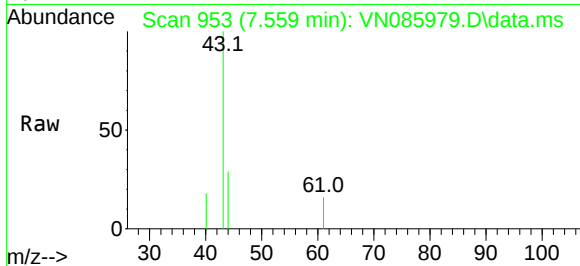
77 0.0 24.6 37.0#



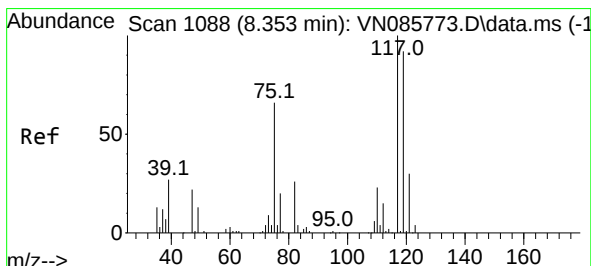
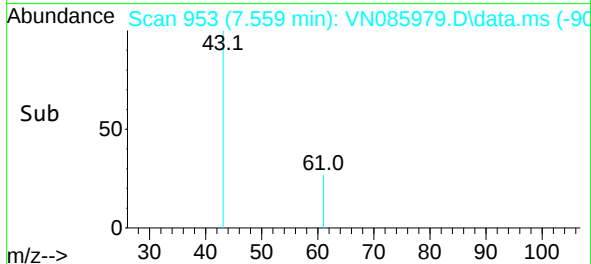
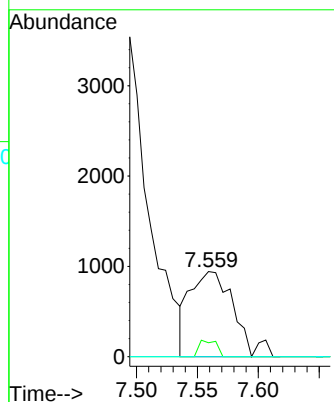


#37
Ethyl Acetate
Concen: 1.097 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-01

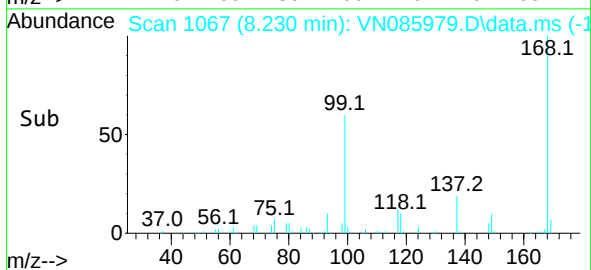
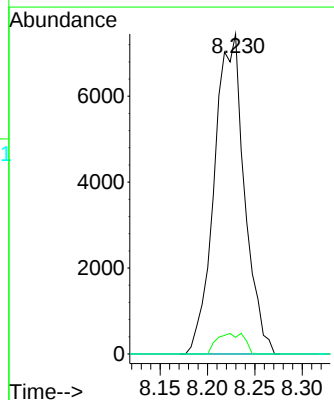
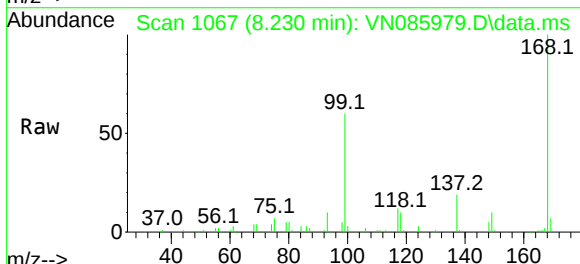


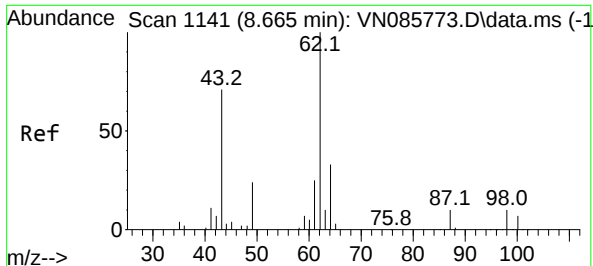
Tgt Ion: 43 Resp: 2365
Ion Ratio Lower Upper
43 100
61 7.6 12.2 18.2#
70 0.0 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 5.293 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.123 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

Tgt Ion: 117 Resp: 16477
Ion Ratio Lower Upper
117 100
119 5.2 73.8 110.6#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.239 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.018 min

Lab File: VN085979.D

Acq: 13 Mar 2025 14:37

Instrument :

MSVOA_N

ClientSampleId :

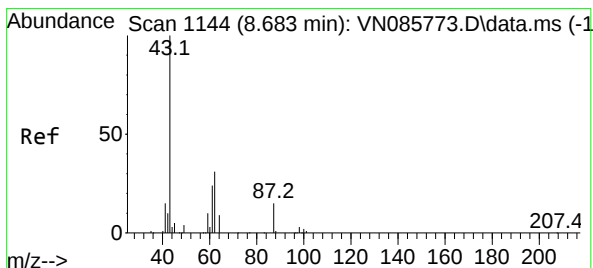
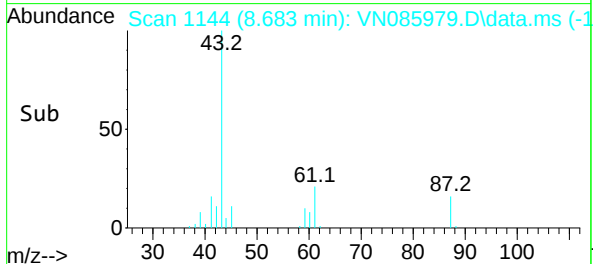
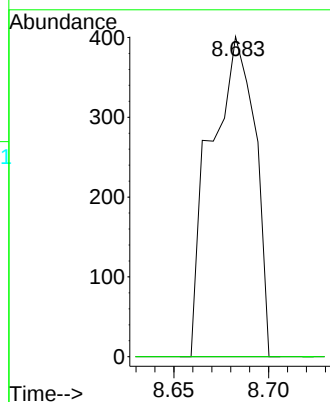
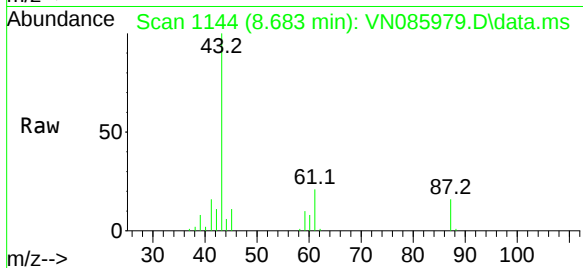
OR-620-JB-COMP-01

Tgt Ion: 62 Resp: 654

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 23.998 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.005 min

Lab File: VN085979.D

Acq: 13 Mar 2025 14:37

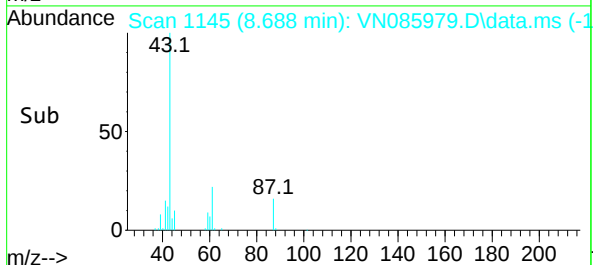
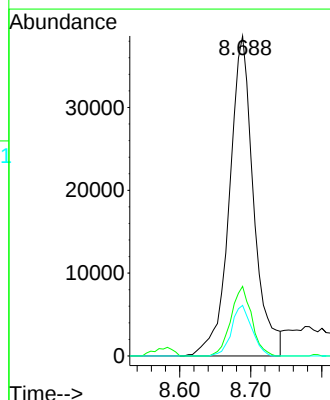
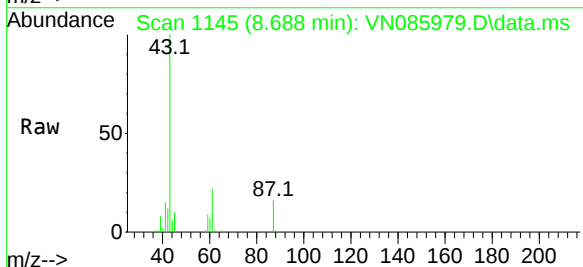
Tgt Ion: 43 Resp: 91881

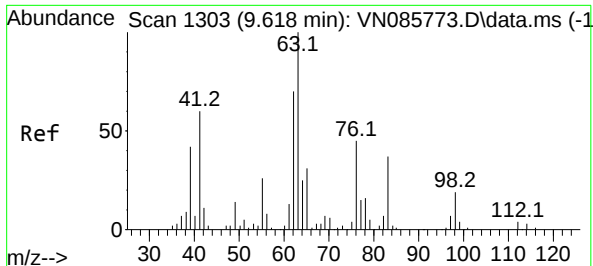
Ion Ratio Lower Upper

43 100

61 18.6 22.6 34.0#

87 13.2 11.8 17.8





#45

1,2-Dichloropropane

Concen: 0.572 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085979.D

Acq: 13 Mar 2025 14:37

Instrument :

MSVOA_N

ClientSampleId :

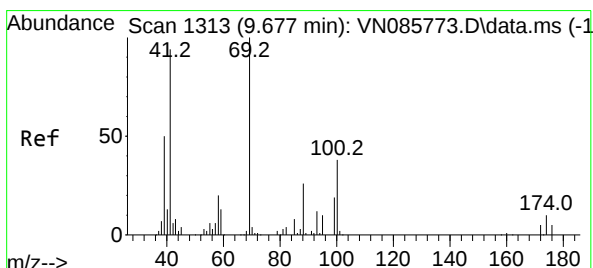
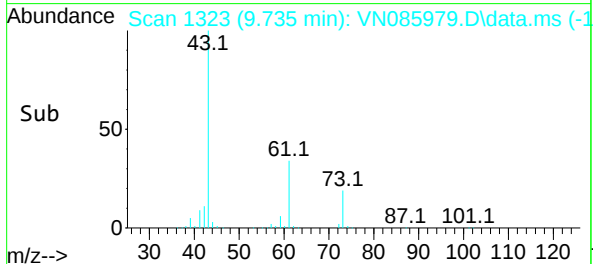
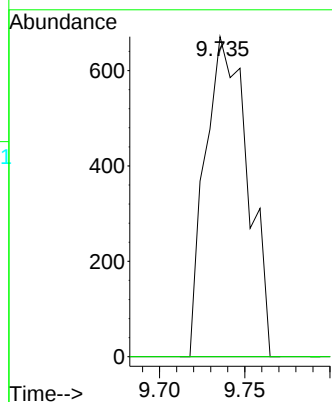
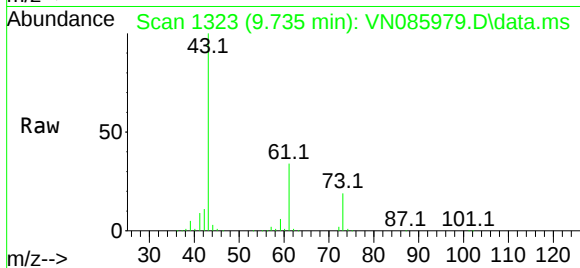
OR-620-JB-COMP-01

Tgt Ion: 63 Resp: 1160

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 1.442 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085979.D

Acq: 13 Mar 2025 14:37

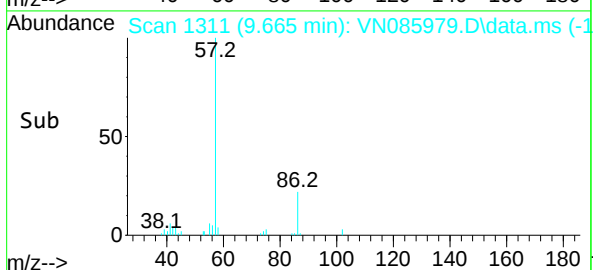
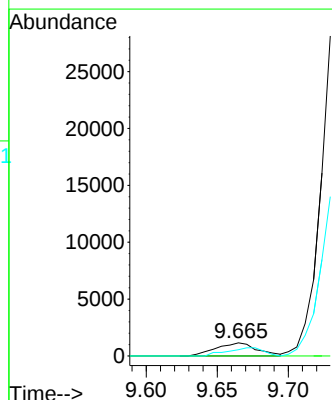
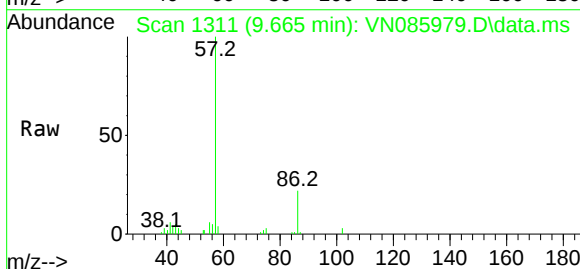
Tgt Ion: 41 Resp: 2309

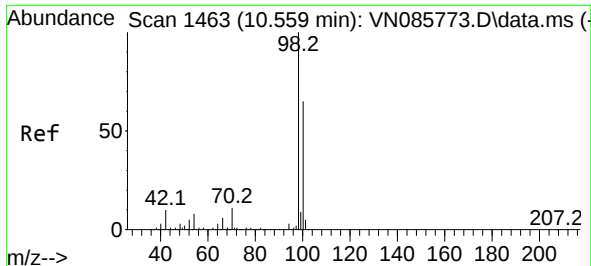
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 55.2 42.3 63.5

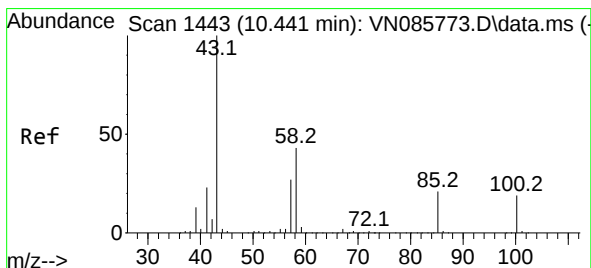
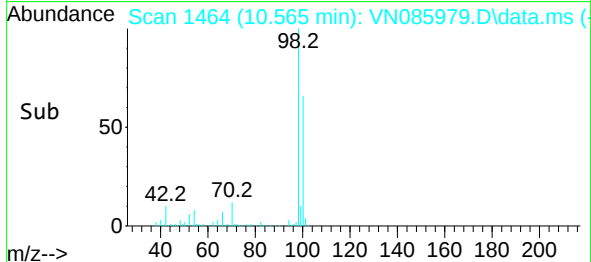
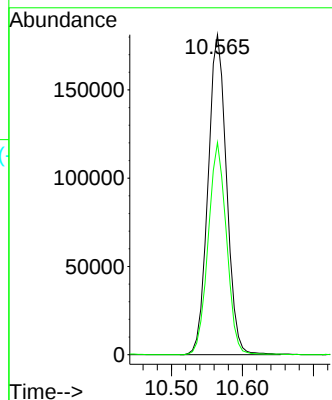
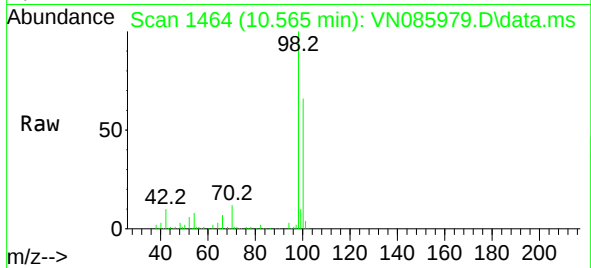




#50
Toluene-d8
Concen: 48.794 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

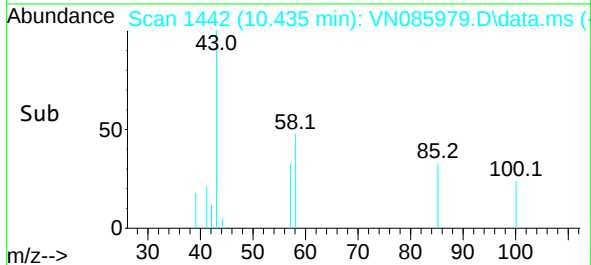
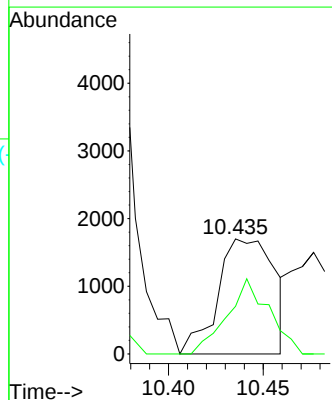
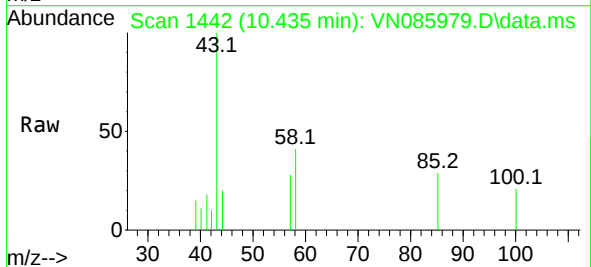
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-01

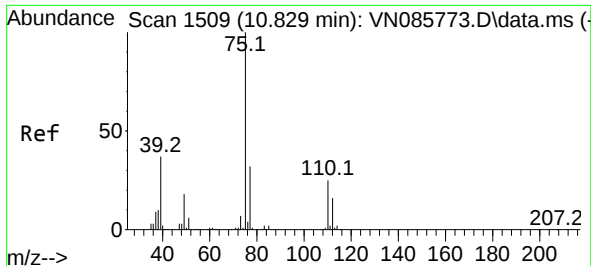
Tgt Ion: 98 Resp: 328648
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.700 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

Tgt Ion: 43 Resp: 3533
Ion Ratio Lower Upper
43 100
58 48.5 34.6 52.0

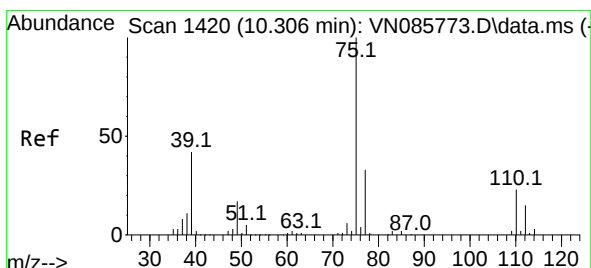
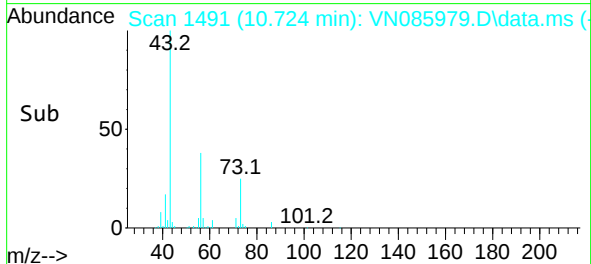
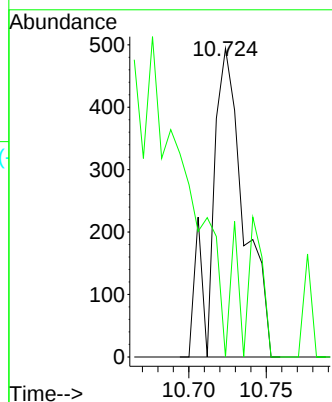
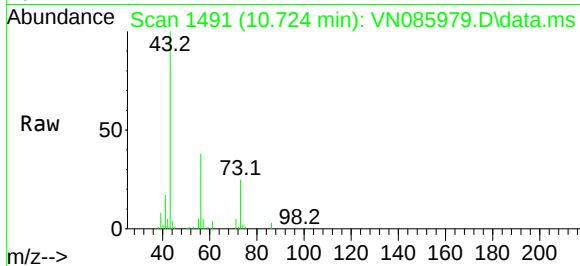




#53
 t-1,3-Dichloropropene
 Concen: 0.251 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.105 min
 Lab File: VN085979.D
 Acq: 13 Mar 2025 14:37

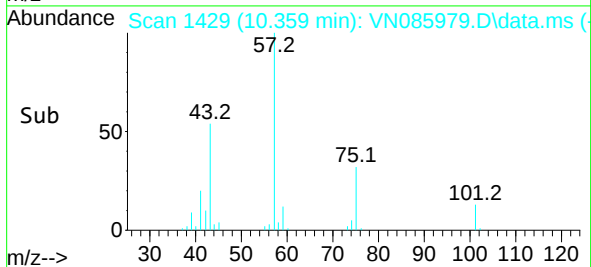
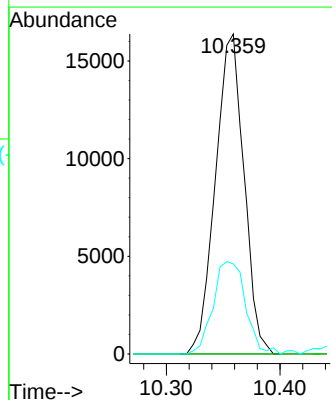
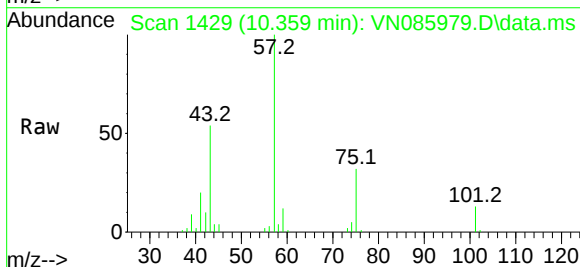
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-620-JB-COMP-01

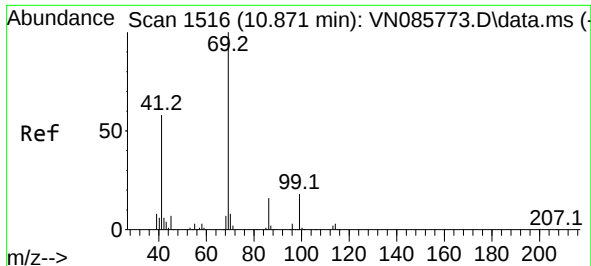
Tgt Ion: 75 Resp: 710
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 9.206 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085979.D
 Acq: 13 Mar 2025 14:37

Tgt Ion: 75 Resp: 28554
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 28.1 33.4 50.0#

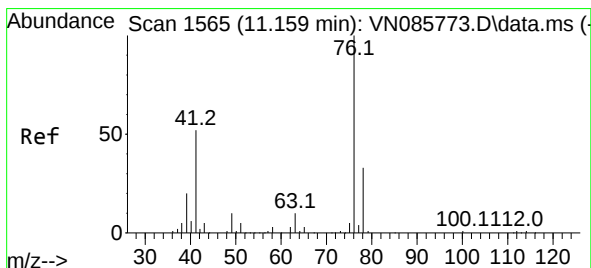
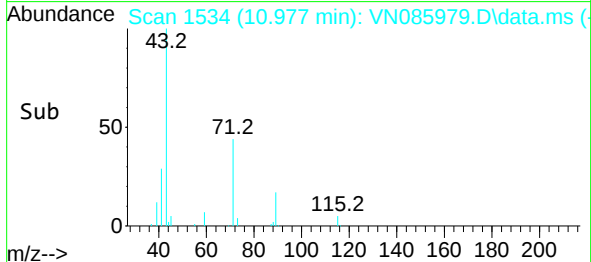
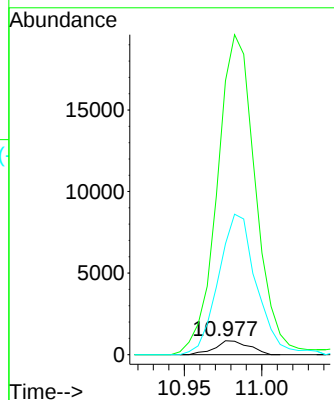
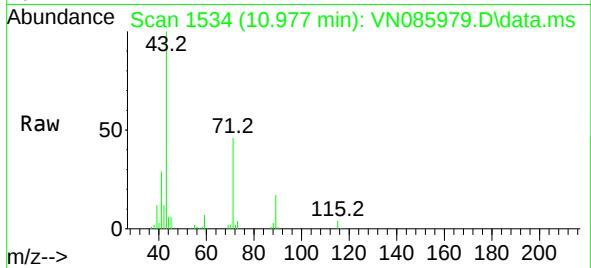




#56
Ethyl methacrylate
Concen: 0.979 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

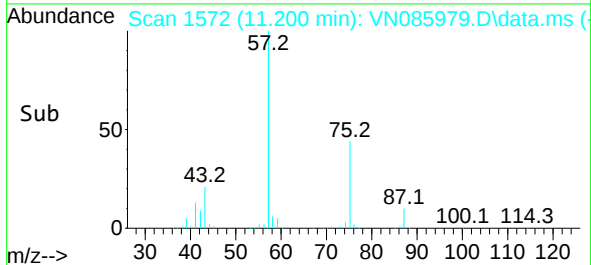
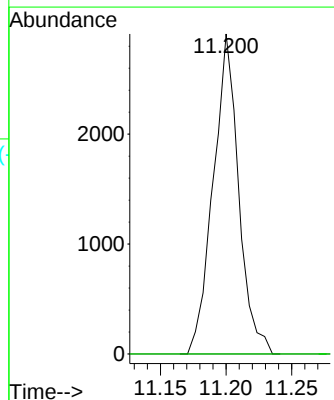
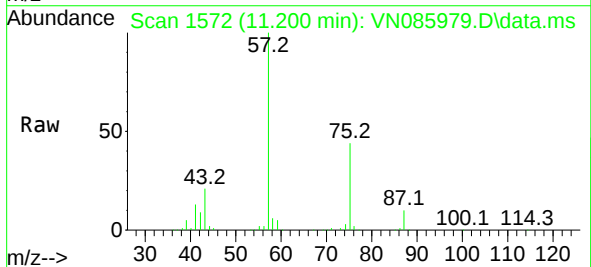
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-01

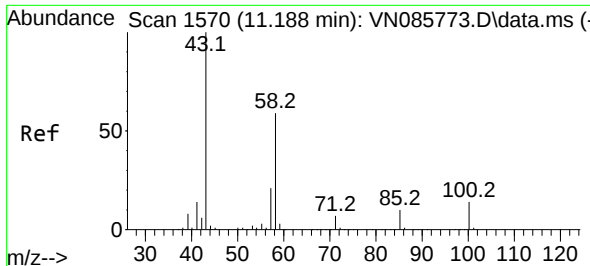
Tgt Ion: 69 Resp: 1310
Ion Ratio Lower Upper
69 100
41 2579.5 46.0 69.0#
39 1131.1 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.203 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

Tgt Ion: 76 Resp: 3931
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

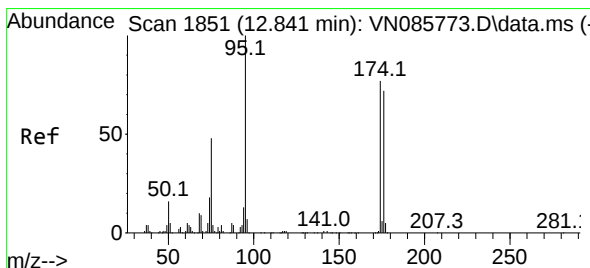
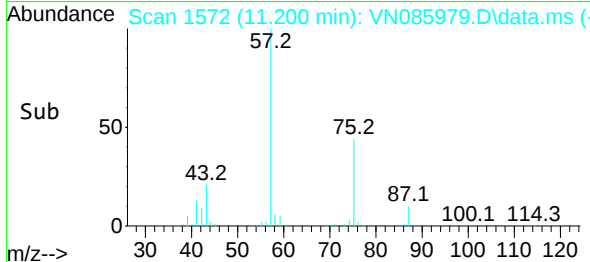
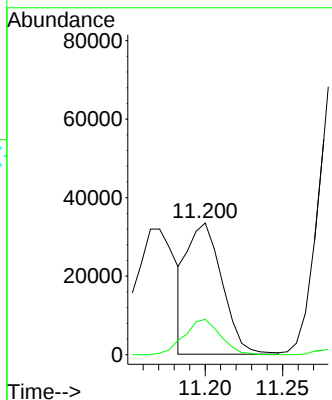
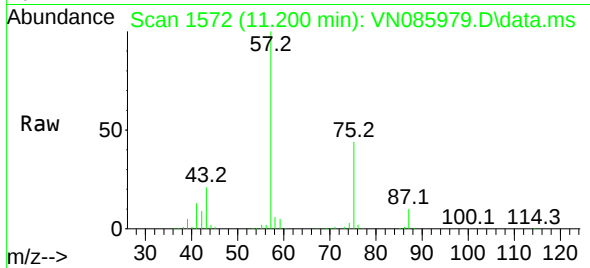




#59
2-Hexanone
Concen: 36.682 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

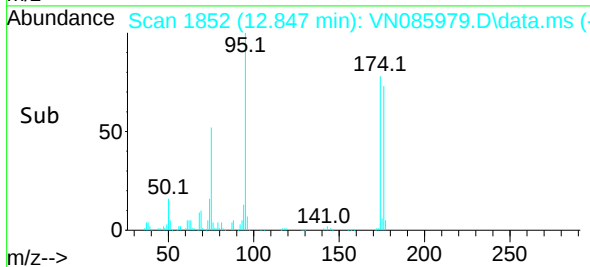
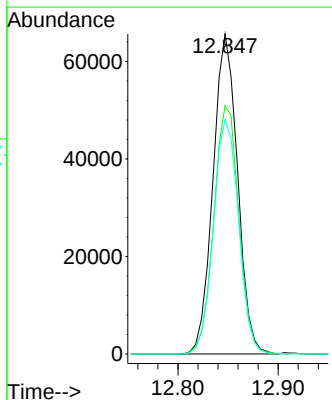
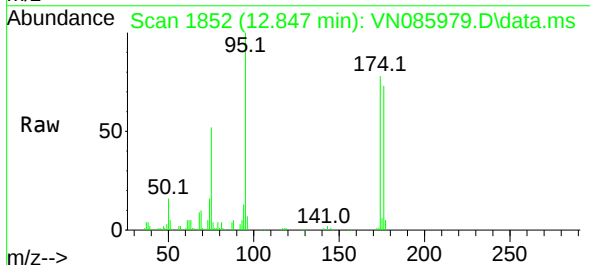
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-01

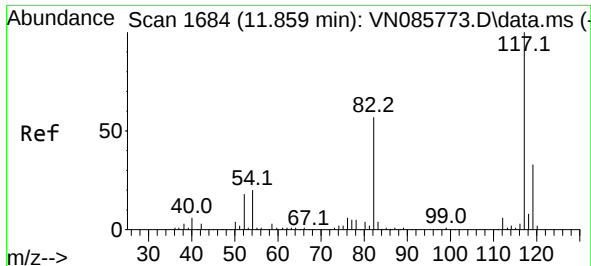
Tgt Ion: 43 Resp: 52459
Ion Ratio Lower Upper
43 100
58 27.8 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 50.283 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

Tgt Ion: 95 Resp: 111587
Ion Ratio Lower Upper
95 100
174 79.4 0.0 152.4
176 74.9 0.0 146.6

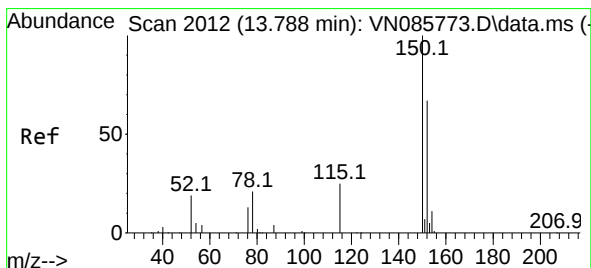
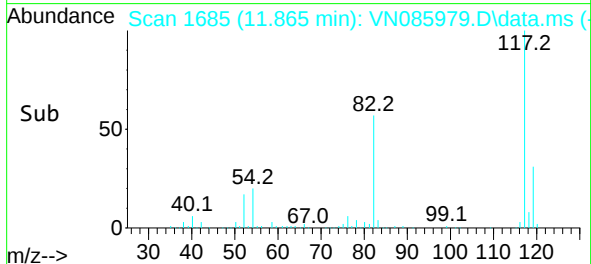
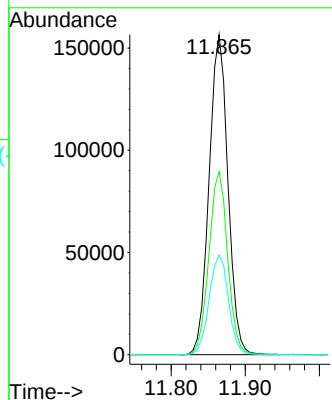
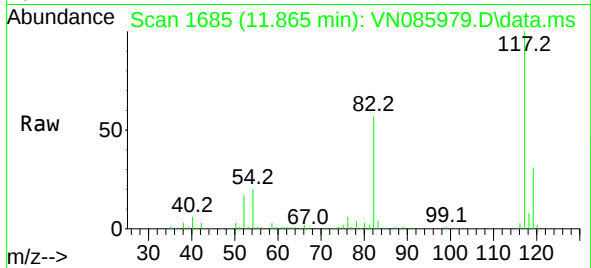




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

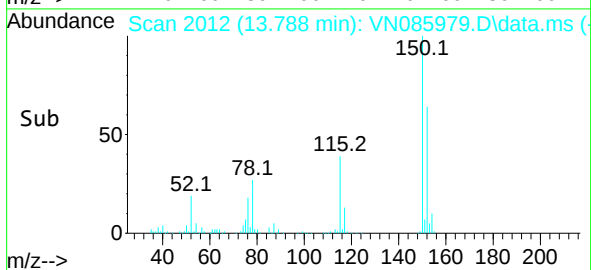
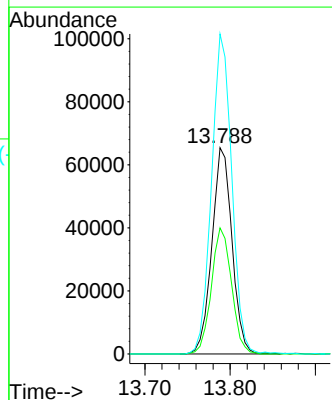
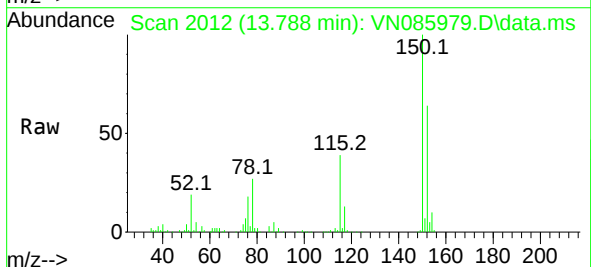
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-01

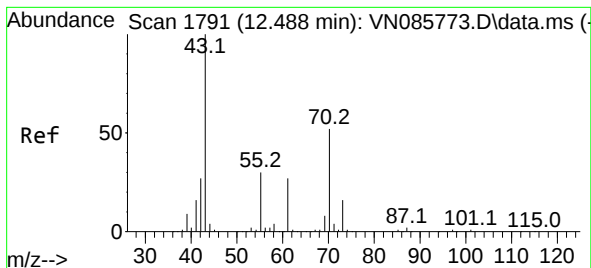
Tgt Ion:117 Resp: 276553
Ion Ratio Lower Upper
117 100
82 57.2 45.7 68.5
119 31.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

Tgt Ion:152 Resp: 107415
Ion Ratio Lower Upper
152 100
115 60.9 30.4 91.3
150 156.0 0.0 345.4

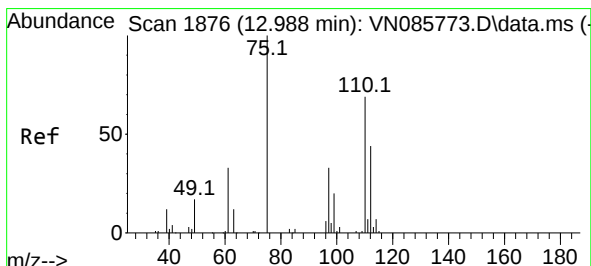
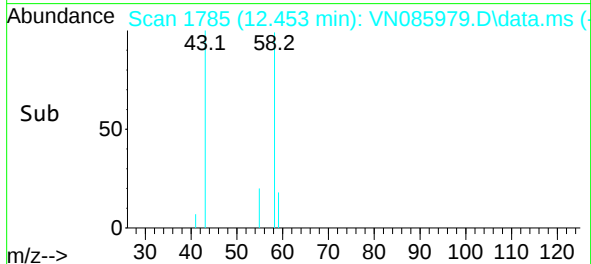
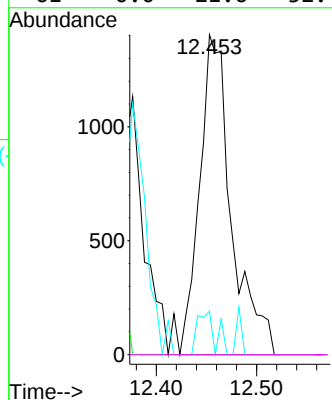
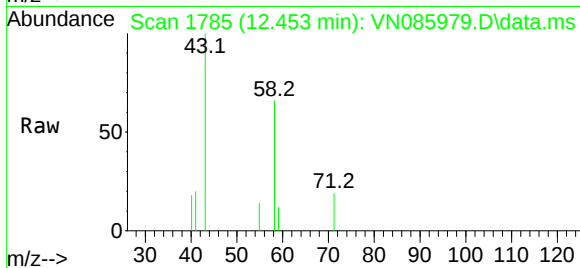




#74
N-amy1 acetate
Concen: 1.190 ug/l
RT: 12.453 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

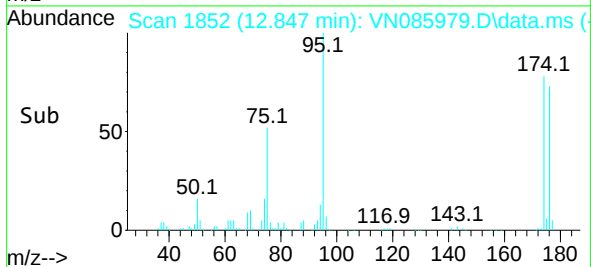
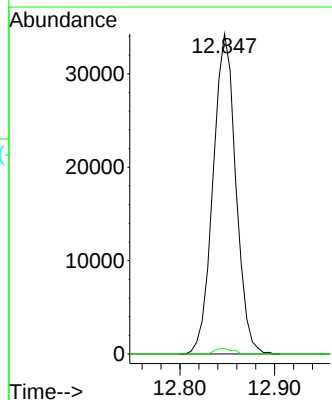
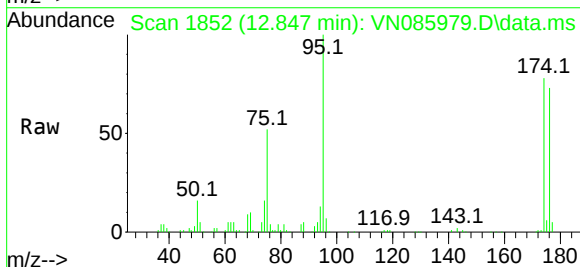
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-01

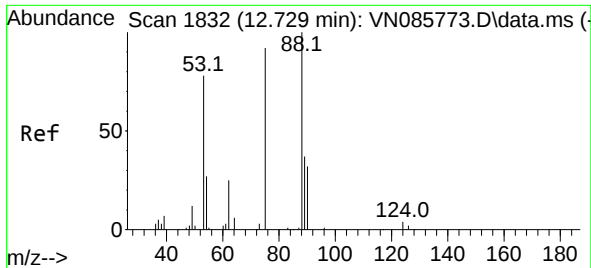
Tgt Ion: 43	Resp: 3089
Ion Ratio	Lower Upper
43 100	
70 0.0	41.0 61.4#
55 7.8	24.6 36.8#
61 0.0	21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 23.995 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085979.D
Acq: 13 Mar 2025 14:37

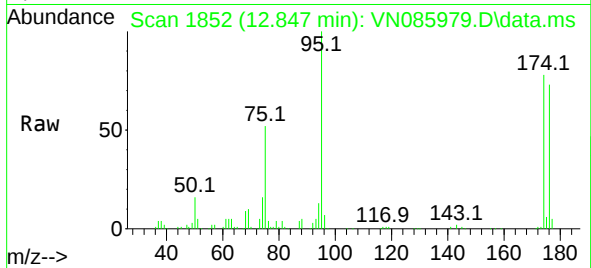
Tgt Ion: 75	Resp: 57253
Ion Ratio	Lower Upper
75 100	
77 1.3	100.0 300.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.011 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN085979.D
 Acq: 13 Mar 2025 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-620-JB-COMP-01



Tgt Ion: 75 Resp: 57253
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.9 52.3#

