

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031325\
 Data File : VN085980.D
 Acq On : 13 Mar 2025 15:01
 Operator : JC\MD
 Sample : Q1547-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-620-JB-COMP-02

Quant Time: Mar 14 00:29:10 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)

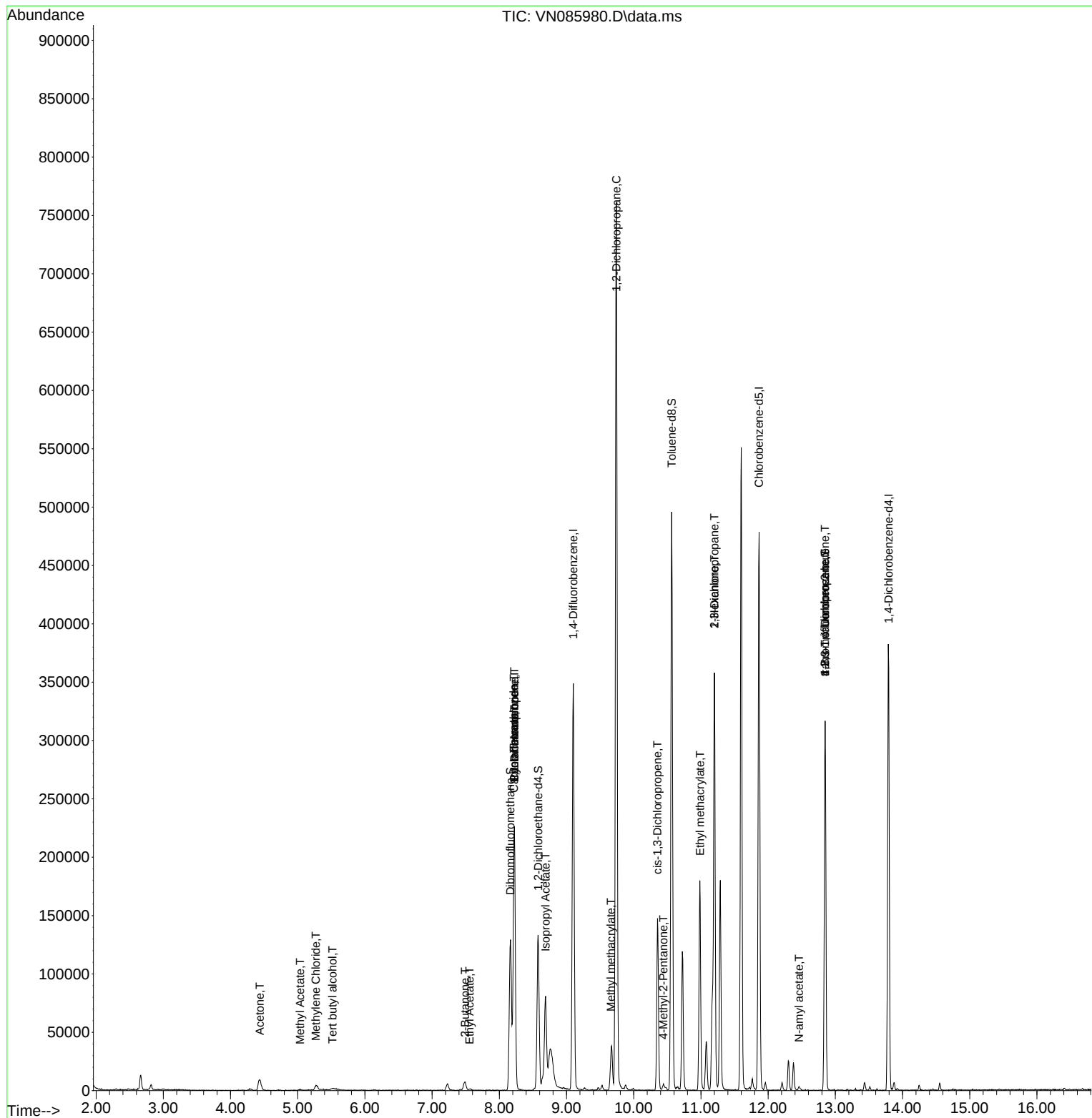
Internal Standards						
1) Pentafluorobenzene	8.224	168	156599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112737	55.529	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.060%
35) Dibromofluoromethane	8.165	113	93638	48.213	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.420%
50) Toluene-d8	10.565	98	343466	48.607	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.220%
62) 4-Bromofluorobenzene	12.847	95	111853	48.043	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.080%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	3095	12.395	ug/l #	72
16) Acetone	4.436	43	18235	28.385	ug/l	95
18) Methyl Acetate	5.036	43	1694	0.767	ug/l #	71
20) Methylene Chloride	5.271	84	3082	1.492	ug/l #	96
25) 2-Butanone	7.489	43	12511	13.238	ug/l	96
31) Cyclohexane	8.224	56	3477	1.199	ug/l #	7
36) 1,1-Dichloropropene	8.224	75	12865	4.680	ug/l #	49
37) Ethyl Acetate	7.559	43	1828	0.808	ug/l #	82
38) Carbon Tetrachloride	8.218	117	16807	5.146	ug/l #	19
43) Isopropyl Acetate	8.689	43	93708	23.314	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	1096	0.515	ug/l #	43
48) Methyl methacrylate	9.659	41	2524	1.502	ug/l #	10
51) 4-Methyl-2-Pentanone	10.441	43	5792	2.656	ug/l #	72
54) cis-1,3-Dichloropropene	10.353	75	27224	8.366	ug/l #	64
56) Ethyl methacrylate	10.988	69	1182	0.906	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3850	1.123	ug/l #	42
59) 2-Hexanone	11.200	43	40526	27.011	ug/l	66
74) N-amyl acetate	12.459	43	2656	1.024	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	57083	23.930	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57083	69.822	ug/l #	12

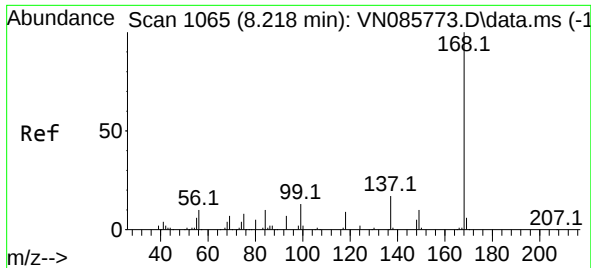
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
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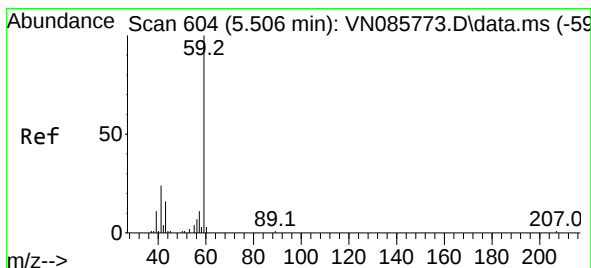
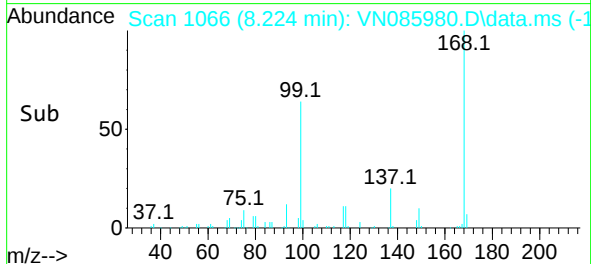
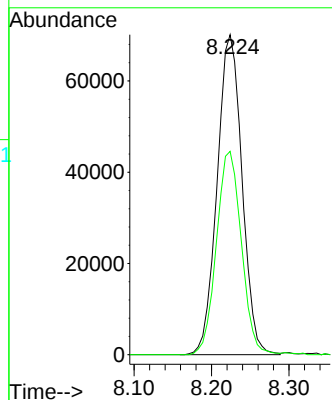
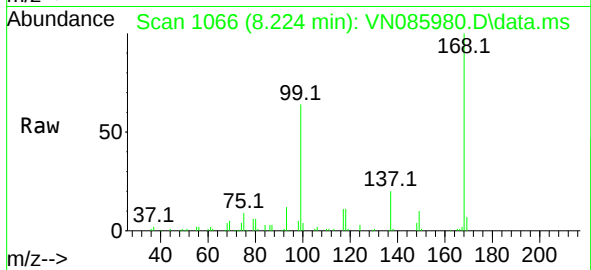




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

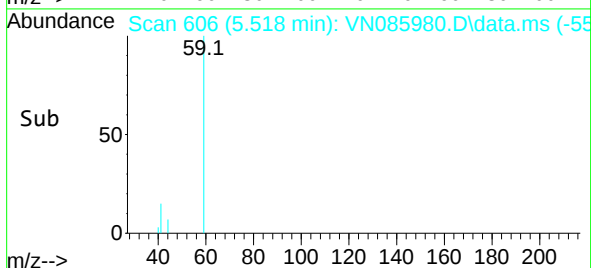
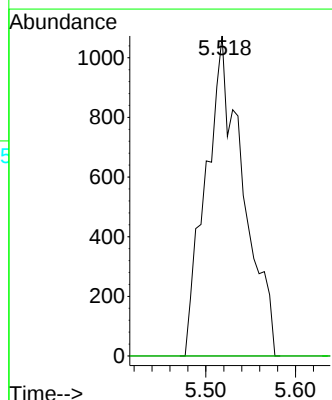
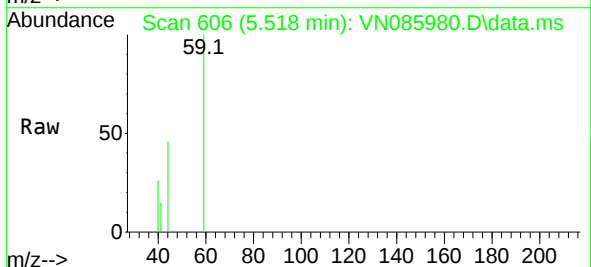
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-02

Tgt Ion:168 Resp: 156599
Ion Ratio Lower Upper
168 100
99 63.5 47.9 71.9



#11
Tert butyl alcohol
Concen: 12.395 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

Tgt Ion: 59 Resp: 3095
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

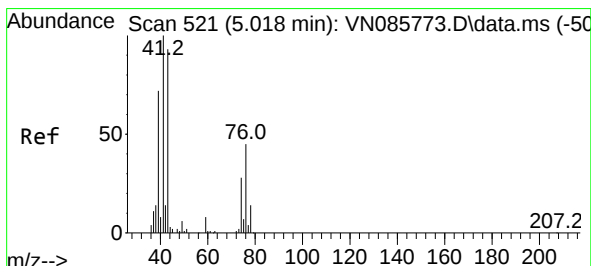
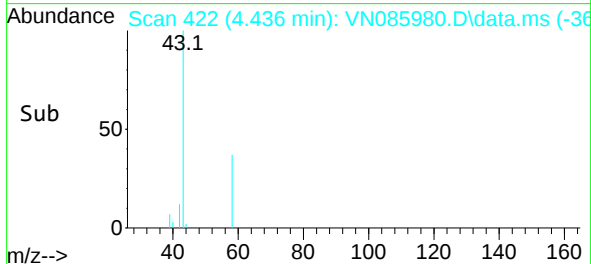
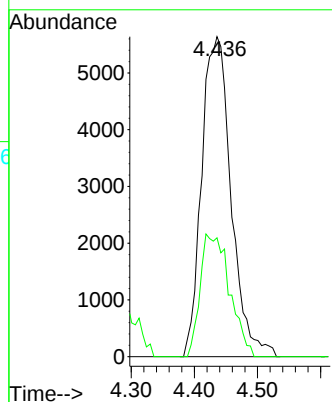
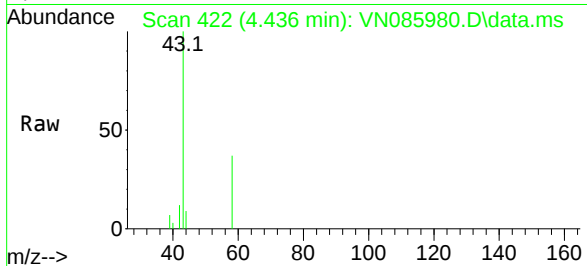




#16
Acetone
Concen: 28.385 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

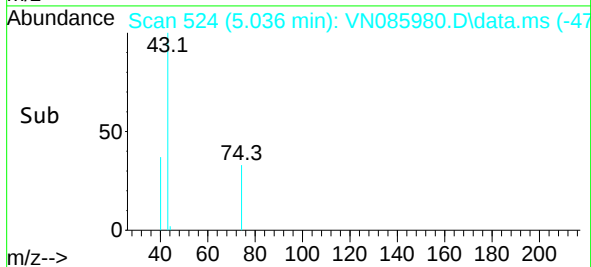
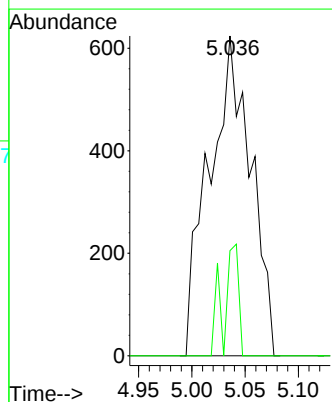
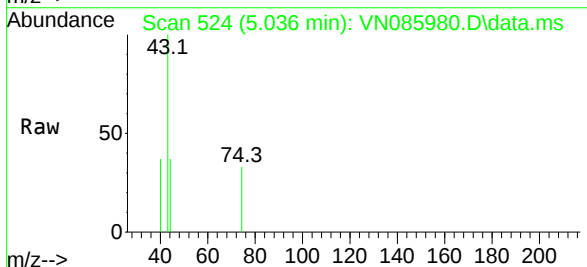
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-02

Tgt Ion: 43 Resp: 18235
Ion Ratio Lower Upper
43 100
58 37.2 27.5 41.3



#18
Methyl Acetate
Concen: 0.767 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

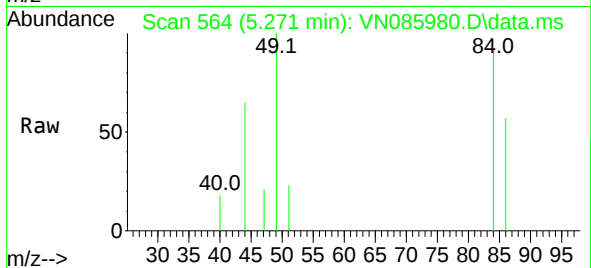
Tgt Ion: 43 Resp: 1694
Ion Ratio Lower Upper
43 100
74 12.6 22.2 33.4#



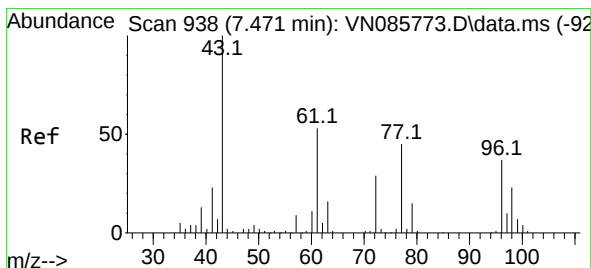
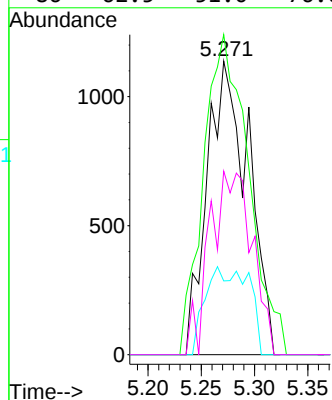


#20
Methylene Chloride
Concen: 1.492 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-02

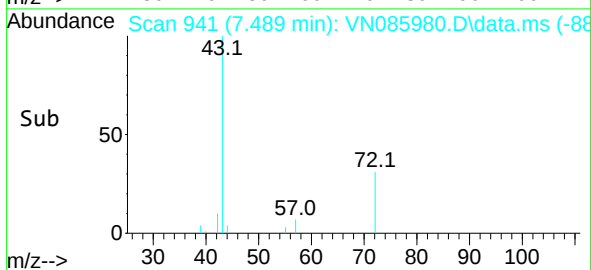
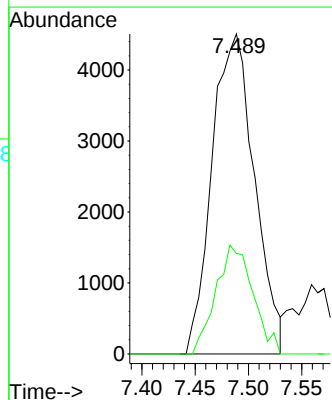
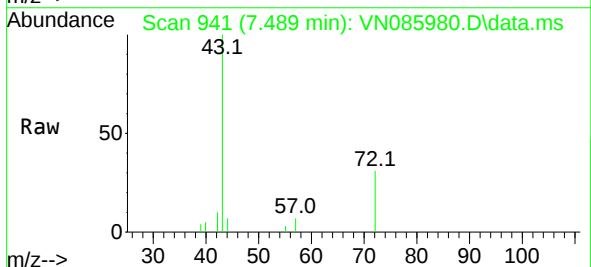


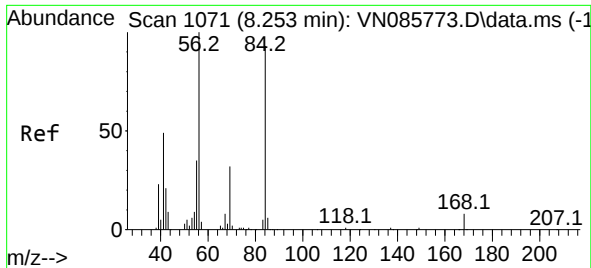
Tgt Ion: 84	Resp: 3082
Ion Ratio	Lower Upper
84 100	
49 109.0	88.4 132.6
51 25.1	26.6 40.0#
86 62.5	51.0 76.6



#25
2-Butanone
Concen: 13.238 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

Tgt Ion: 43	Resp: 12511
Ion Ratio	Lower Upper
43 100	
72 31.4	23.6 35.4

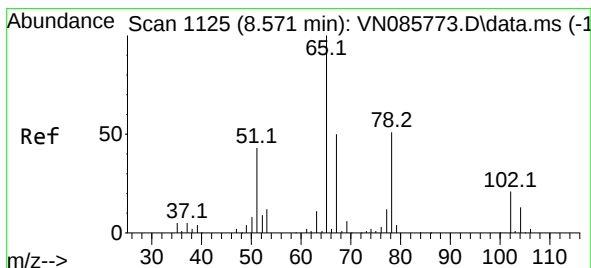
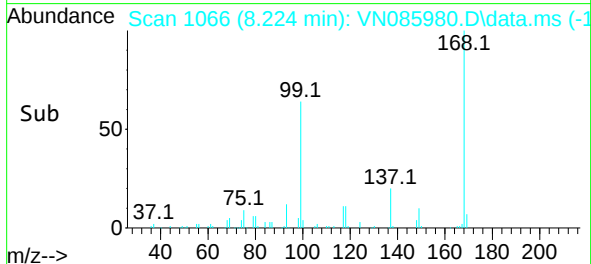
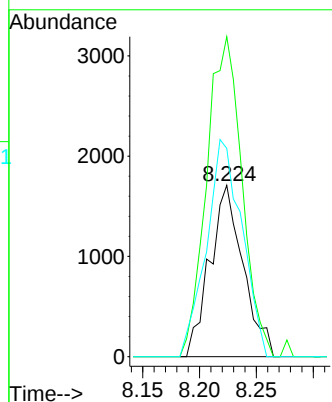
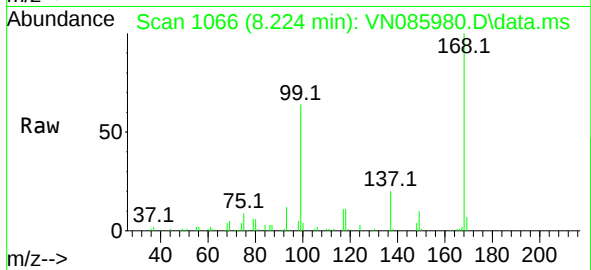




#31
Cyclohexane
Concen: 1.199 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

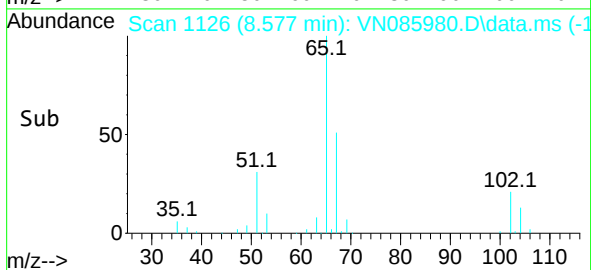
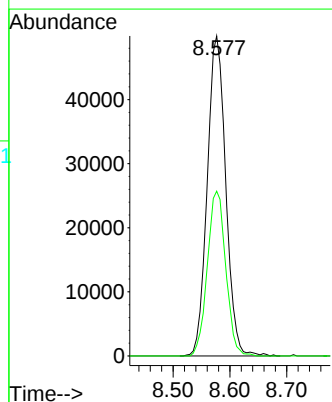
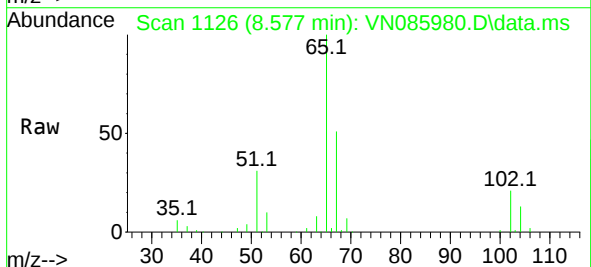
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-02

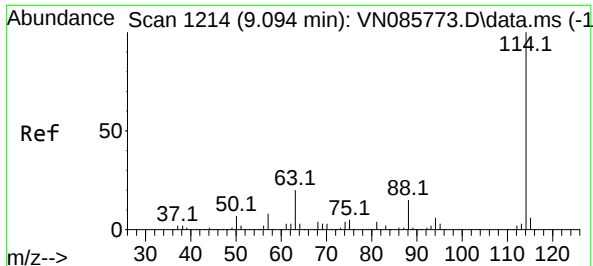
Tgt Ion: 56 Resp: 3477
Ion Ratio Lower Upper
56 100
69 186.8 25.8 38.6#
84 121.6 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 55.529 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

Tgt Ion: 65 Resp: 112737
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085980.D

Acq: 13 Mar 2025 15:01

Instrument :

MSVOA_N

ClientSampleId :

OR-620-JB-COMP-02

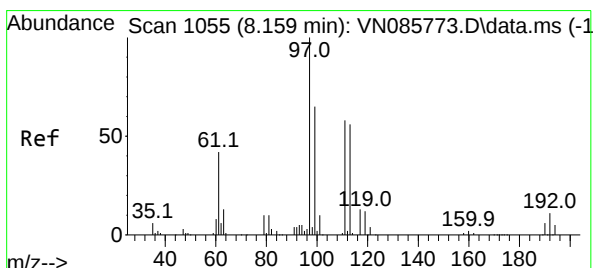
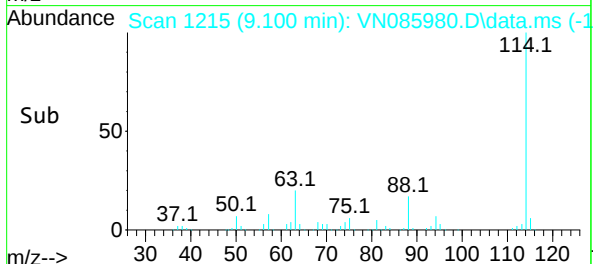
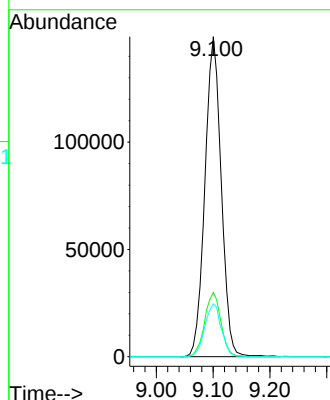
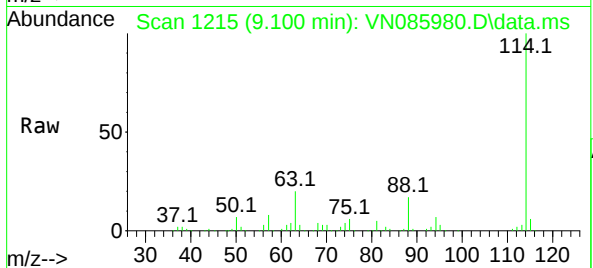
Tgt Ion:114 Resp: 296810

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

88 16.5 0.0 30.0



#35

Dibromofluoromethane

Concen: 48.213 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085980.D

Acq: 13 Mar 2025 15:01

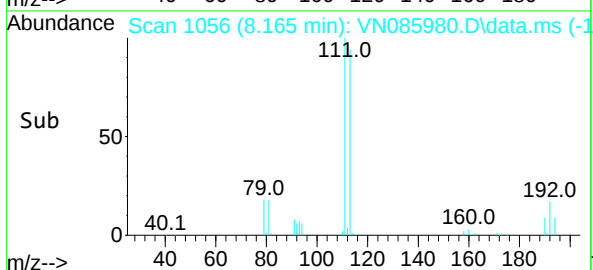
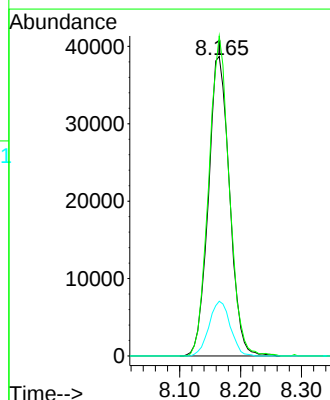
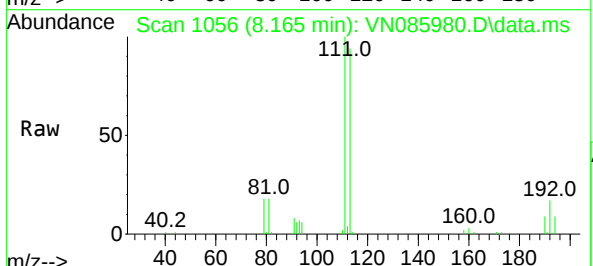
Tgt Ion:113 Resp: 93638

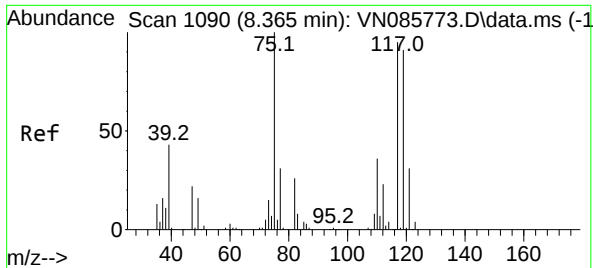
Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.4

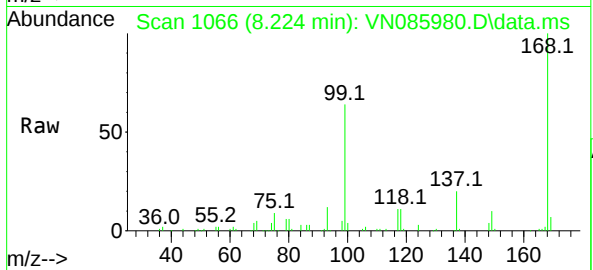
192 18.3 14.7 22.1



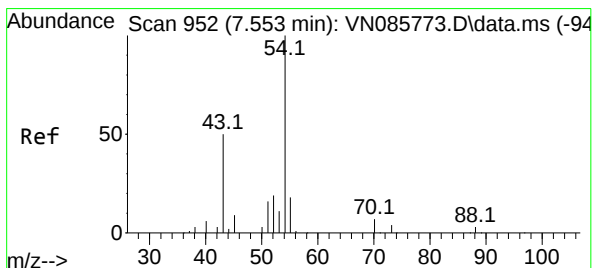
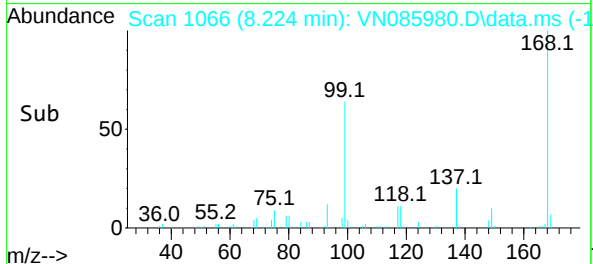
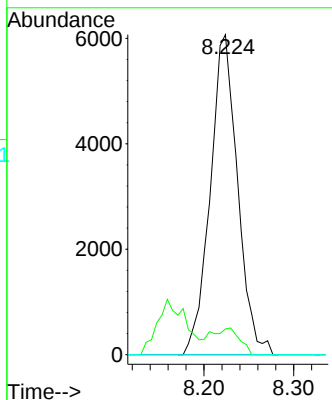


#36
1,1-Dichloropropene
Concen: 4.680 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-02

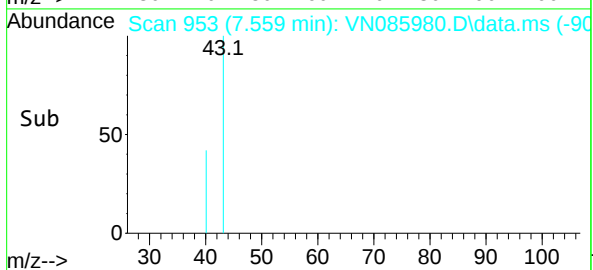
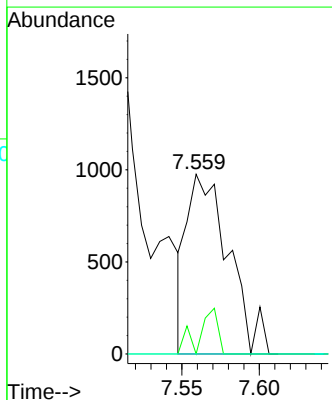
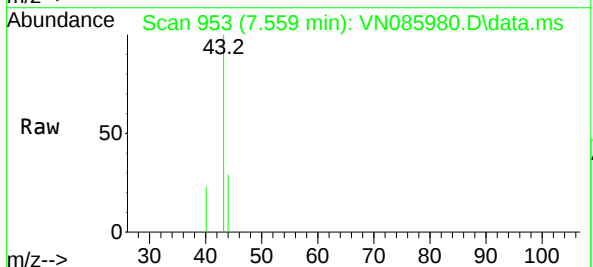


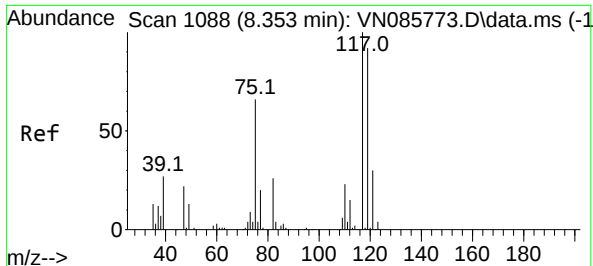
Tgt Ion: 75 Resp: 12865
Ion Ratio Lower Upper
75 100
110 8.3 17.3 52.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.808 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.006 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

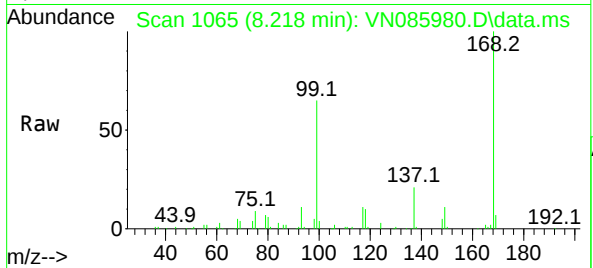
Tgt Ion: 43 Resp: 1828
Ion Ratio Lower Upper
43 100
61 11.5 12.2 18.2#
70 0.0 9.5 14.3#



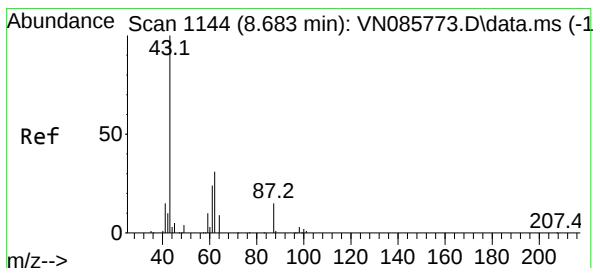
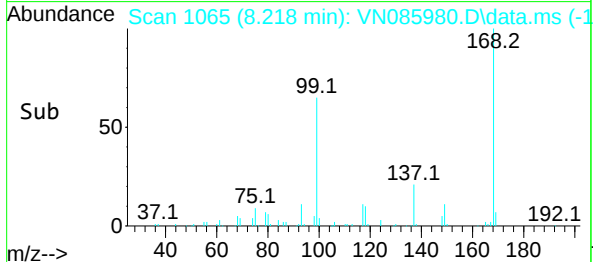
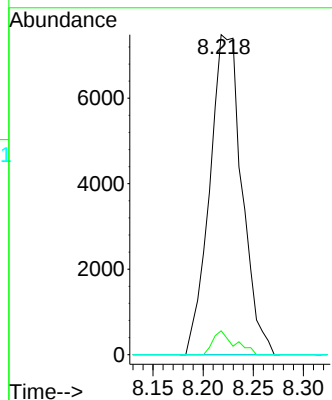


#38
Carbon Tetrachloride
Concen: 5.146 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-02

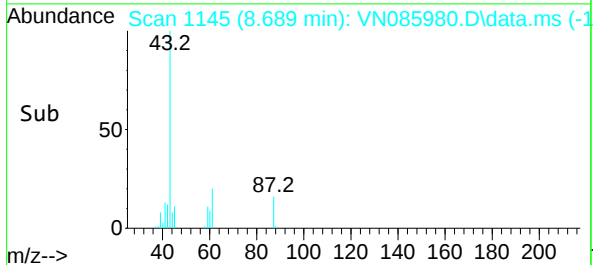
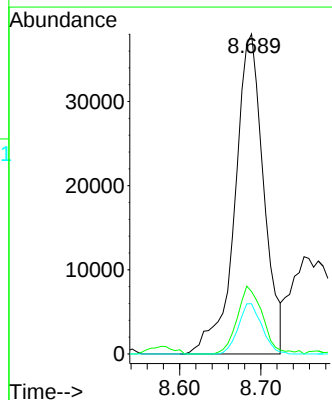
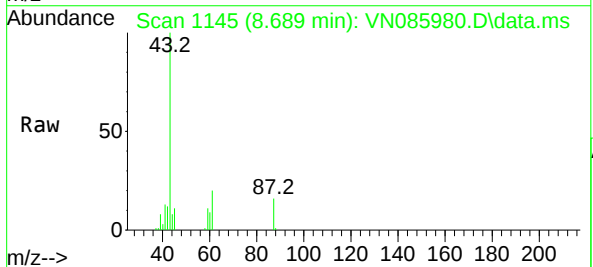


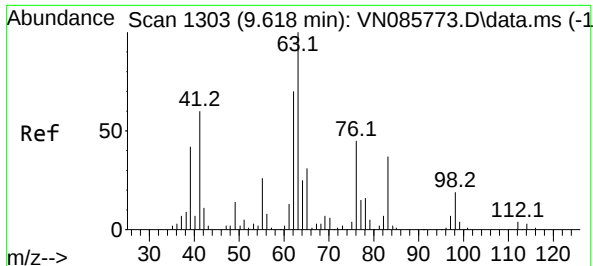
Tgt Ion:117 Resp: 16807
Ion Ratio Lower Upper
117 100
119 7.4 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 23.314 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

Tgt Ion: 43 Resp: 93708
Ion Ratio Lower Upper
43 100
61 18.8 22.6 34.0#
87 12.9 11.8 17.8





#45

1,2-Dichloropropane

Concen: 0.515 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN085980.D

Acq: 13 Mar 2025 15:01

Instrument :

MSVOA_N

ClientSampleId :

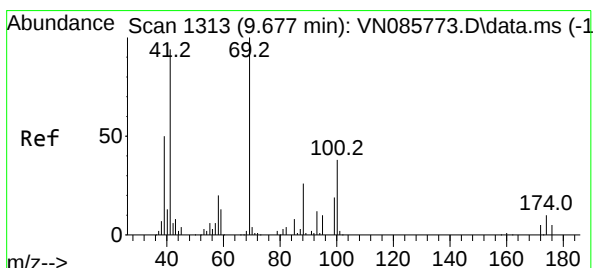
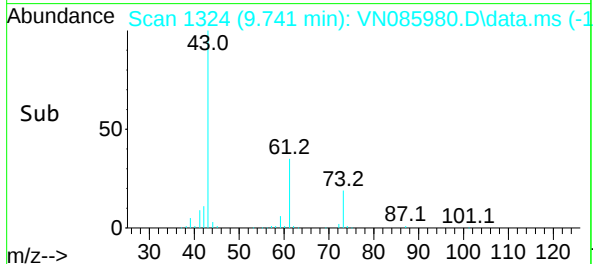
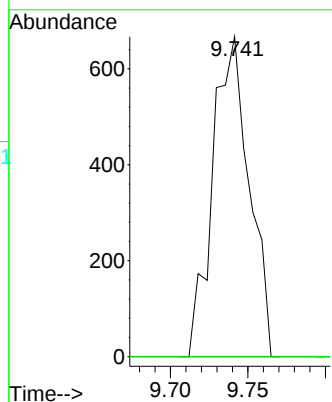
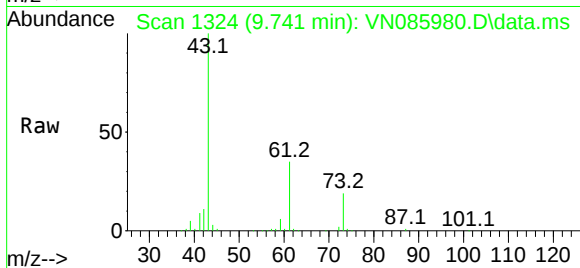
OR-620-JB-COMP-02

Tgt Ion: 63 Resp: 1096

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 1.502 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN085980.D

Acq: 13 Mar 2025 15:01

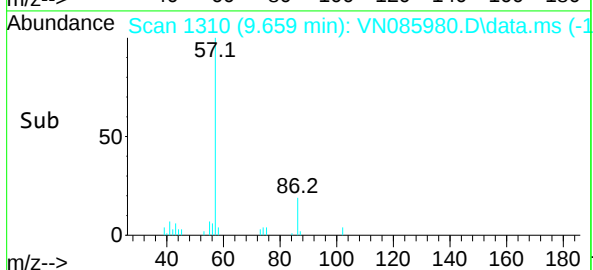
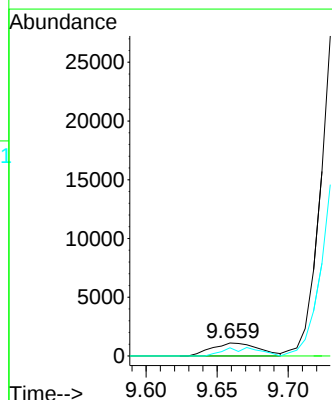
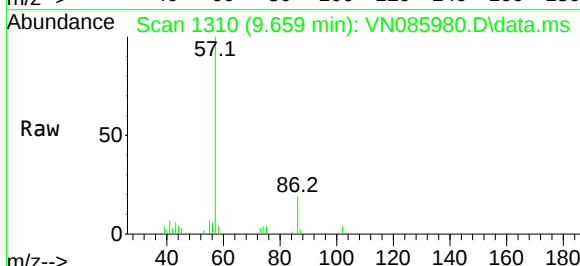
Tgt Ion: 41 Resp: 2524

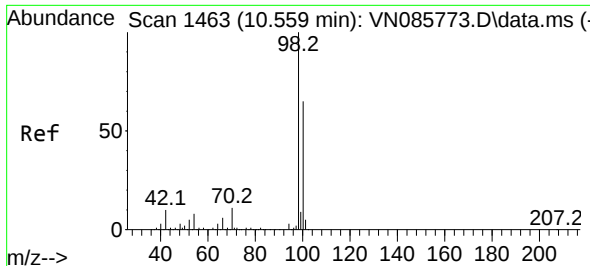
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 0.0 42.3 63.5#

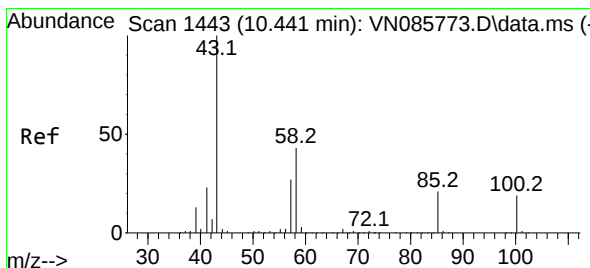
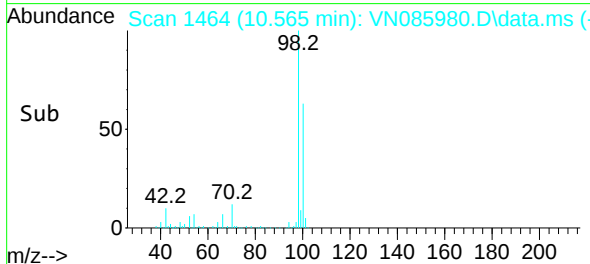
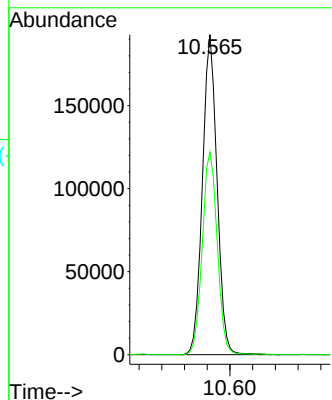
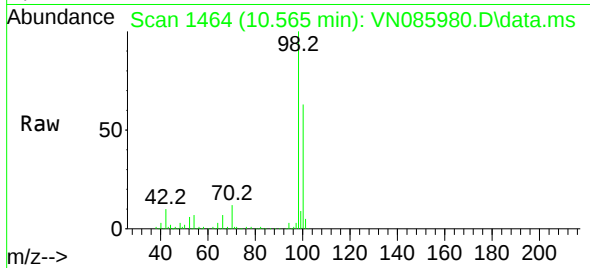




#50
Toluene-d8
Concen: 48.607 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

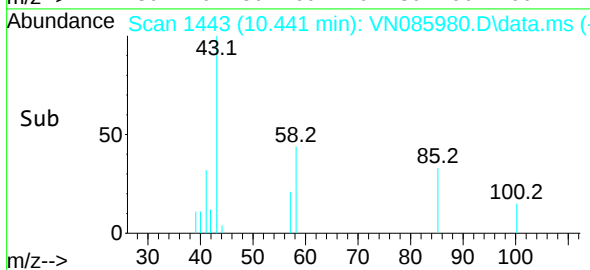
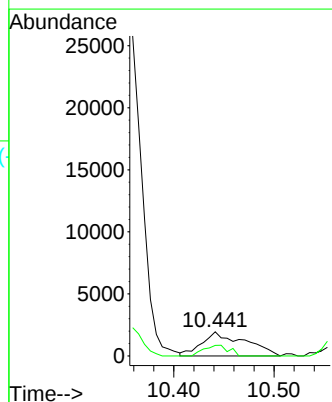
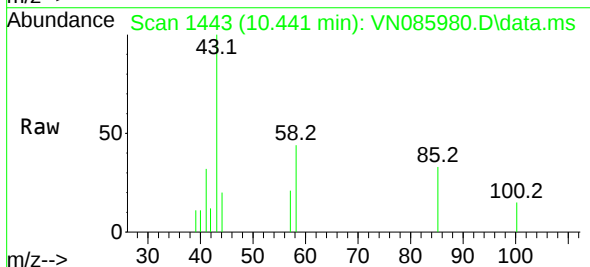
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-02

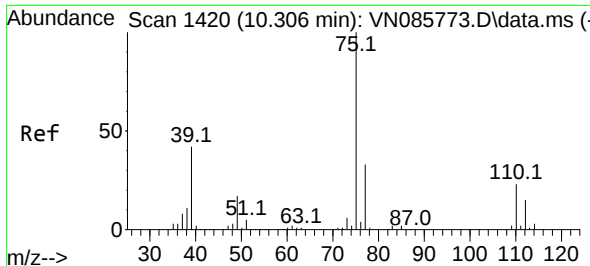
Tgt Ion: 98 Resp: 343466
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 2.656 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

Tgt Ion: 43 Resp: 5792
Ion Ratio Lower Upper
43 100
58 25.5 34.6 52.0#

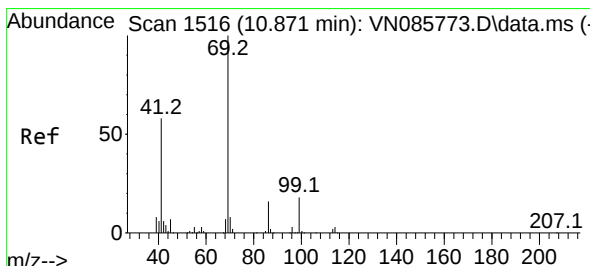
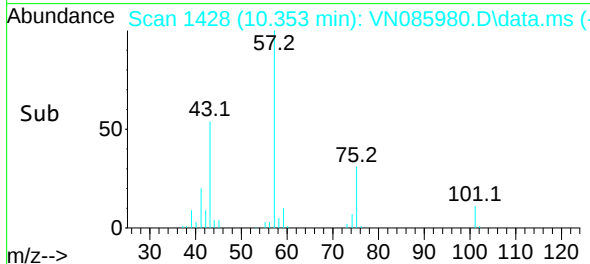
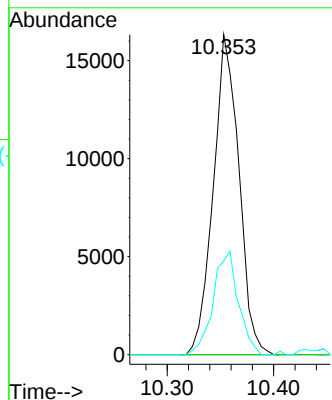
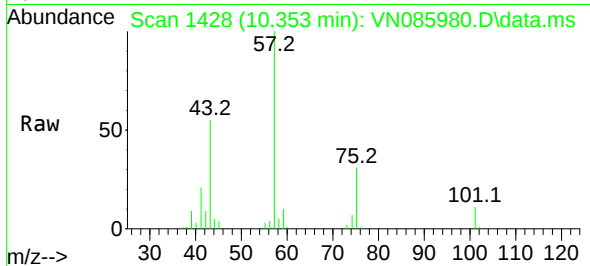




#54
 cis-1,3-Dichloropropene
 Concen: 8.366 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085980.D
 Acq: 13 Mar 2025 15:01

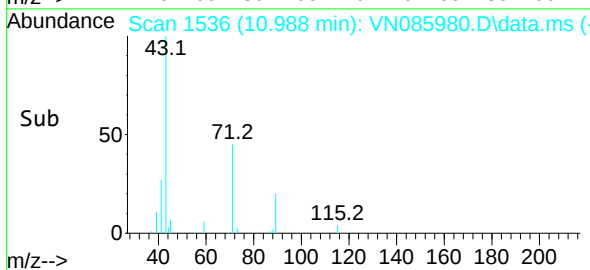
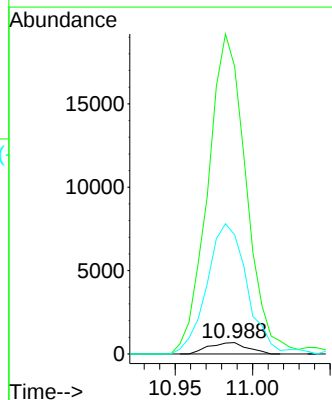
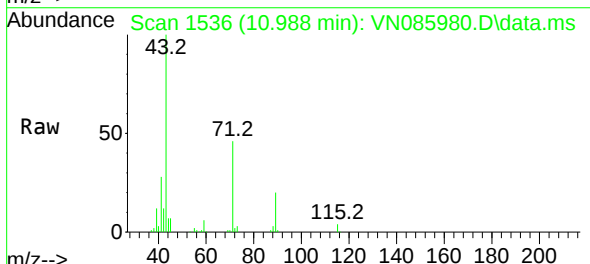
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-620-JB-COMP-02

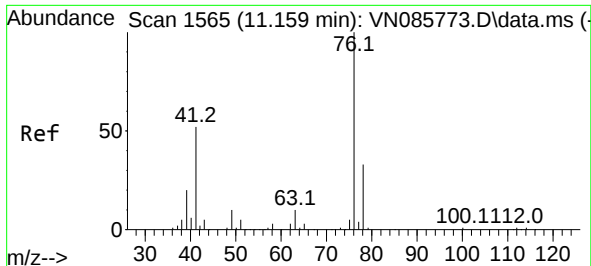
Tgt Ion: 75 Resp: 27224
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 29.3 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 0.906 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.117 min
 Lab File: VN085980.D
 Acq: 13 Mar 2025 15:01

Tgt Ion: 69 Resp: 1182
 Ion Ratio Lower Upper
 69 100
 41 2788.7 46.0 69.0#
 39 1199.6 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.123 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085980.D

Acq: 13 Mar 2025 15:01

Instrument :

MSVOA_N

ClientSampleId :

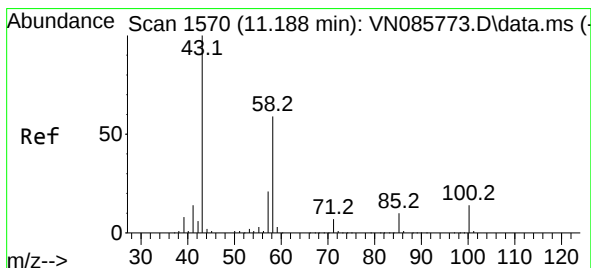
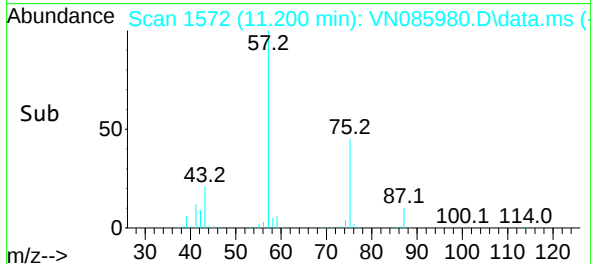
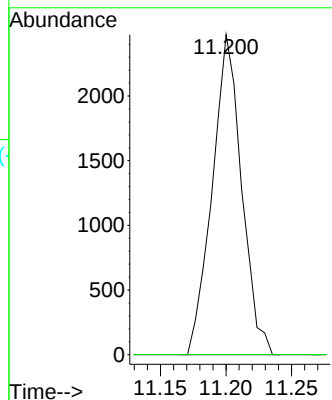
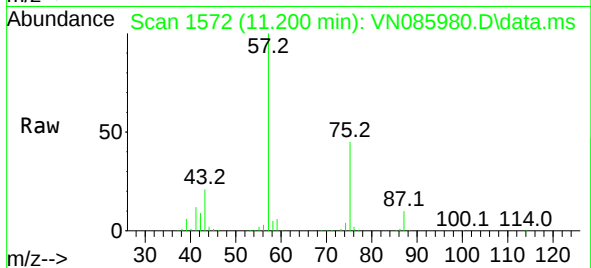
OR-620-JB-COMP-02

Tgt Ion: 76 Resp: 3850

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 27.011 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085980.D

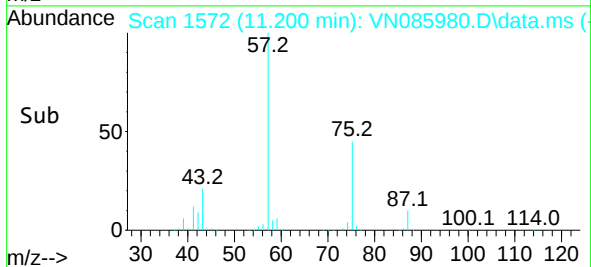
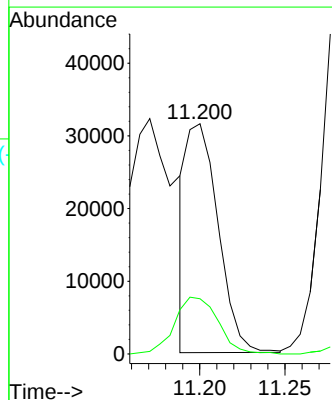
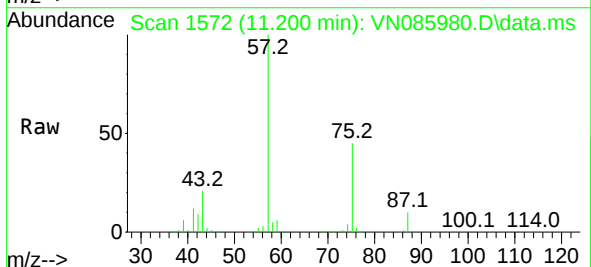
Acq: 13 Mar 2025 15:01

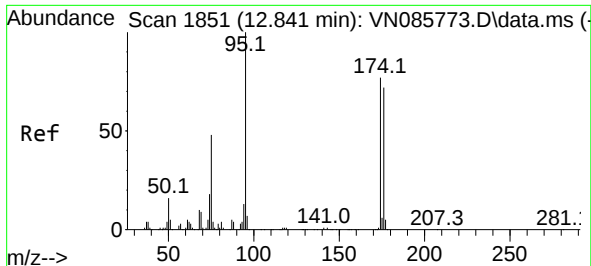
Tgt Ion: 43 Resp: 40526

Ion Ratio Lower Upper

43 100

58 34.3 29.8 89.5

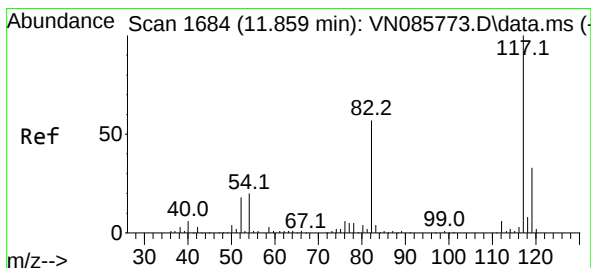
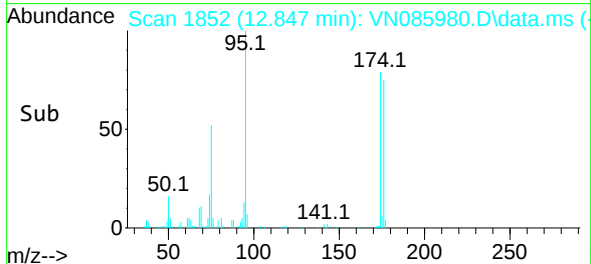
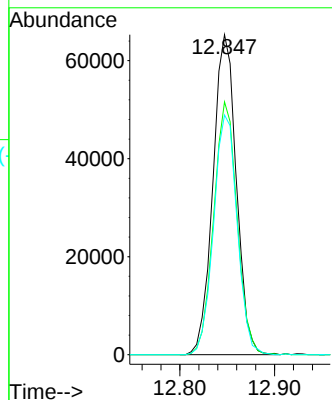
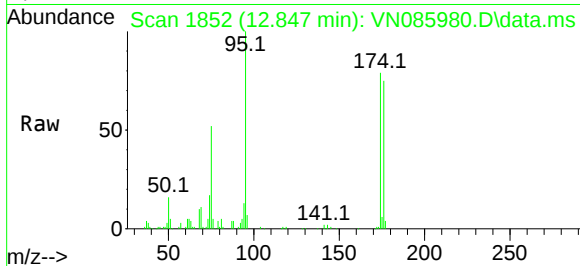




#62
4-Bromofluorobenzene
Concen: 48.043 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

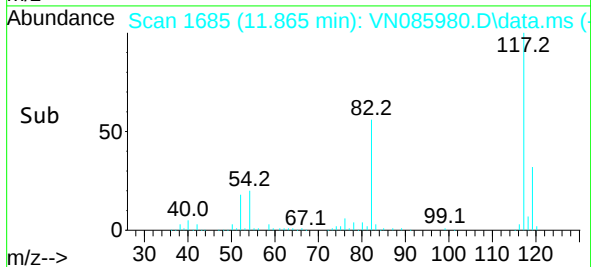
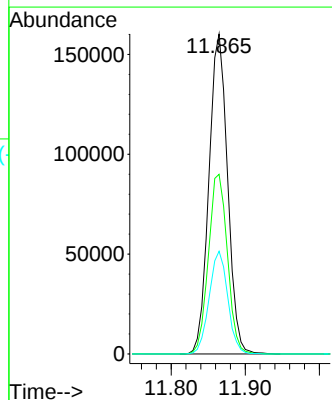
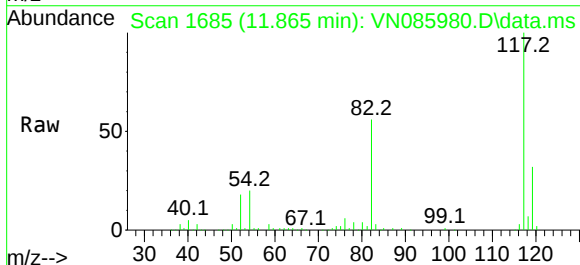
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-02

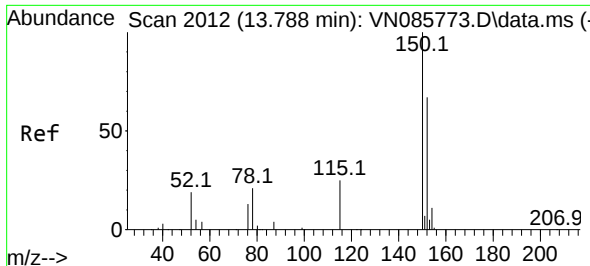
Tgt Ion: 95 Resp: 111853
Ion Ratio Lower Upper
95 100
174 79.1 0.0 152.4
176 75.6 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

Tgt Ion: 117 Resp: 280402
Ion Ratio Lower Upper
117 100
82 56.1 45.7 68.5
119 32.1 26.2 39.2

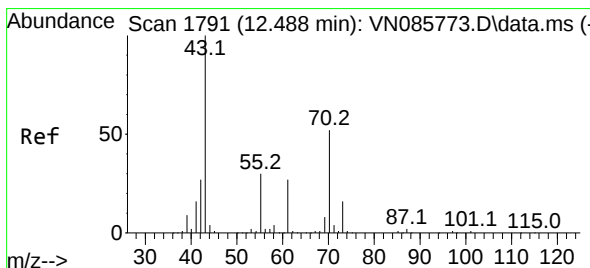
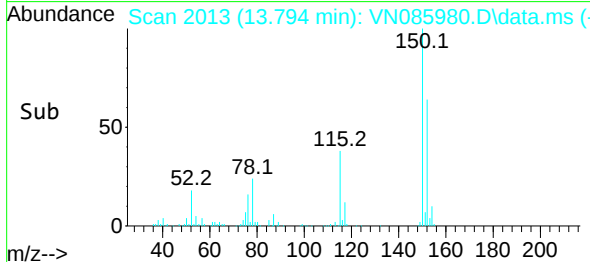
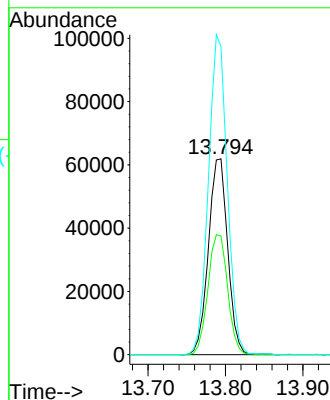
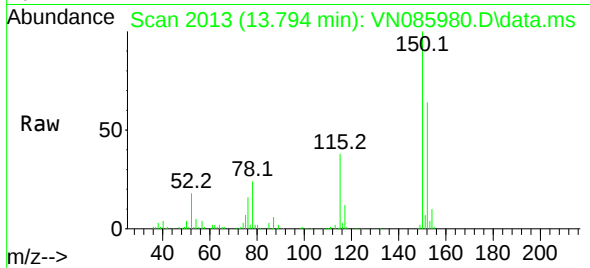




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

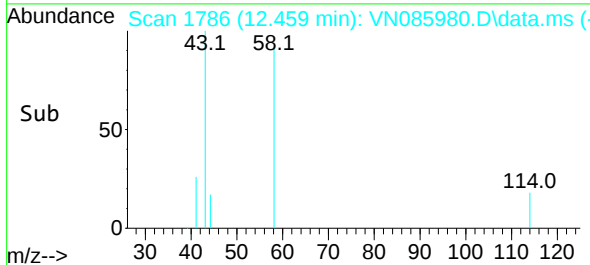
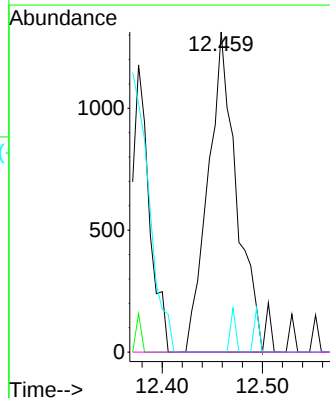
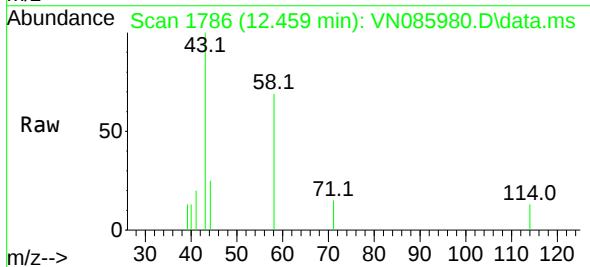
Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-02

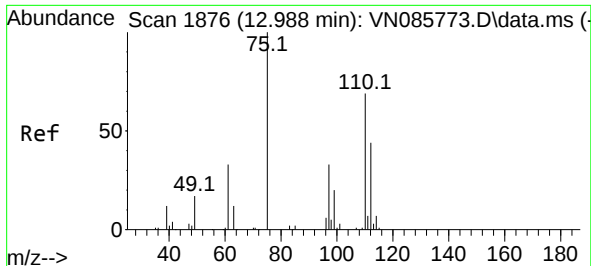
Tgt Ion:152 Resp: 107386
Ion Ratio Lower Upper
152 100
115 62.2 30.4 91.3
150 159.0 0.0 345.4



#74
N-ethyl acetate
Concen: 1.024 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.029 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

Tgt Ion: 43 Resp: 2656
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.4#
55 2.4 24.6 36.8#
61 0.0 21.6 32.4#

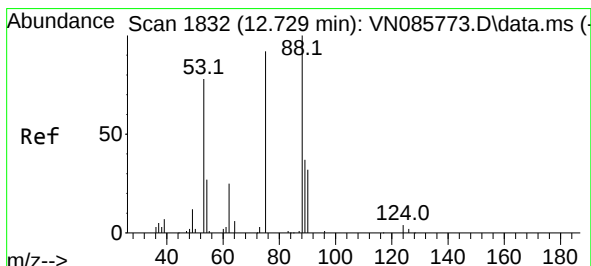
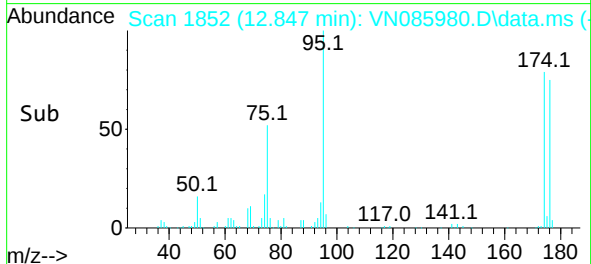
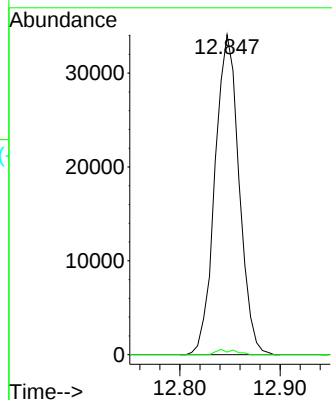
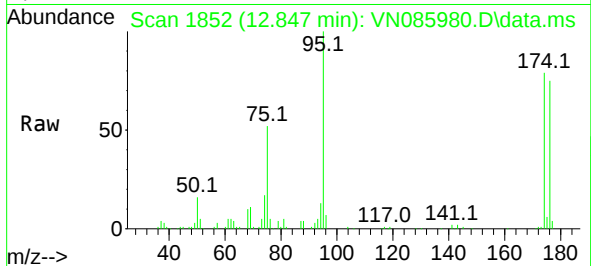




#76
1,2,3-Trichloropropane
Concen: 23.930 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

Instrument :
MSVOA_N
ClientSampleId :
OR-620-JB-COMP-02

Tgt Ion: 75 Resp: 57083
Ion Ratio Lower Upper
75 100
77 1.2 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.822 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085980.D
Acq: 13 Mar 2025 15:01

Tgt Ion: 75 Resp: 57083
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#

