

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085639.D
 Acq On : 03 Feb 2025 22:01
 Operator : JC\MD
 Sample : Q1241-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 01:01:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

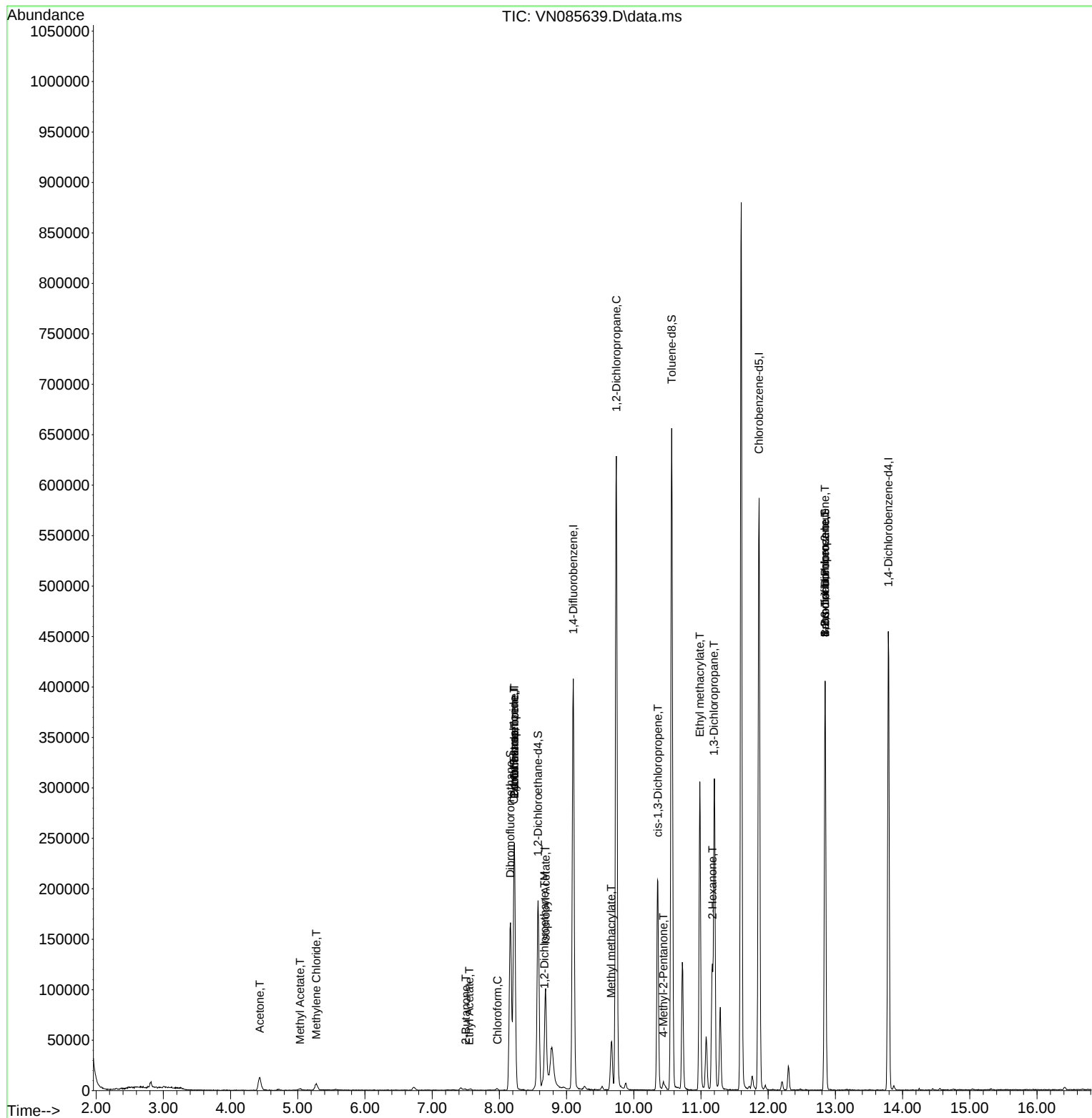
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	168419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	349686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147102	54.109	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.220%	
35) Dibromofluoromethane	8.165	113	121025	49.887	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.780%	
50) Toluene-d8	10.565	98	452380	52.484	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.960%	
62) 4-Bromofluorobenzene	12.847	95	132884	45.069	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.140%	
Target Compounds						Qvalue
16) Acetone	4.436	43	24974	28.431	ug/l	96
18) Methyl Acetate	5.036	43	3085	1.155	ug/l #	77
20) Methylene Chloride	5.277	84	4678	2.151	ug/l	93
25) 2-Butanone	7.500	43	2525	1.953	ug/l	93
30) Chloroform	7.971	83	1582	0.386	ug/l	91
31) Cyclohexane	8.224	56	4677	1.356	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15464	4.542	ug/l #	50
37) Ethyl Acetate	7.553	43	2386	0.694	ug/l #	70
38) Carbon Tetrachloride	8.218	117	18365	4.711	ug/l #	18
42) 1,2-Dichloroethane	8.671	62	871	0.226	ug/l #	76
43) Isopropyl Acetate	8.688	43	113800	20.666	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	663	0.254	ug/l #	43
48) Methyl methacrylate	9.665	41	2886	1.165	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	8694	2.721	ug/l #	75
54) cis-1,3-Dichloropropene	10.359	75	35296	9.102	ug/l #	65
56) Ethyl methacrylate	10.982	69	2081	2.437	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	3400	0.834	ug/l #	43
59) 2-Hexanone	11.171	43	127580	56.742	ug/l #	26
71) Bromoform	12.847	173	1309	0.685	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	71500	29.471	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71500	79.736	ug/l #	3

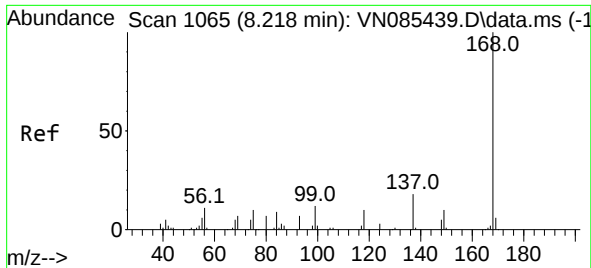
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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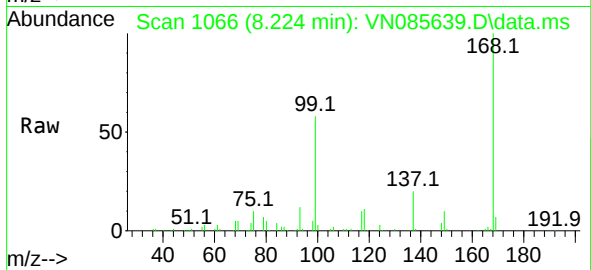
Quant Time: Feb 04 01:01:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
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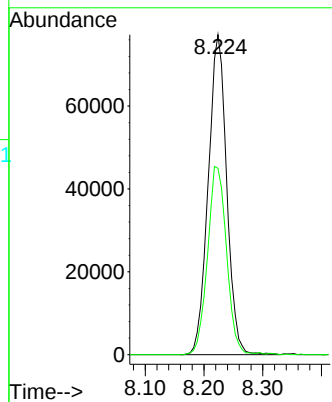
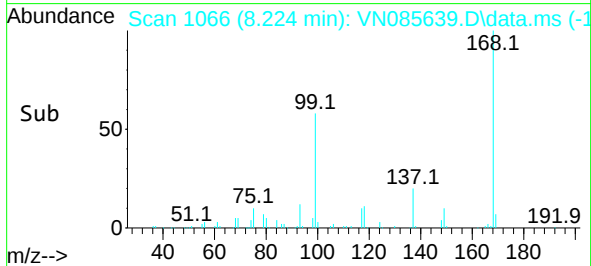


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Instrument :
MSVOA_N
ClientSampleId :

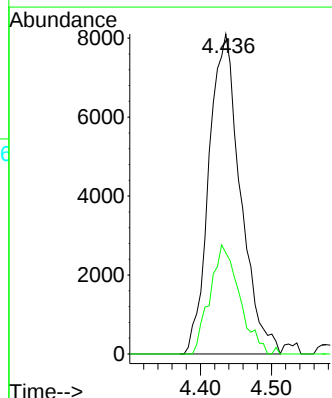
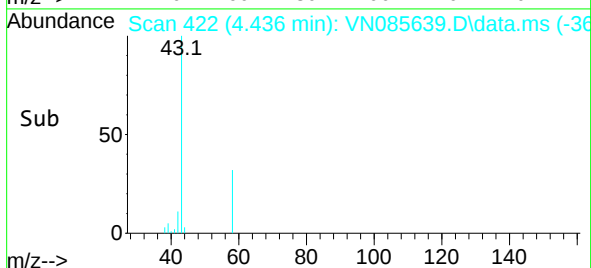
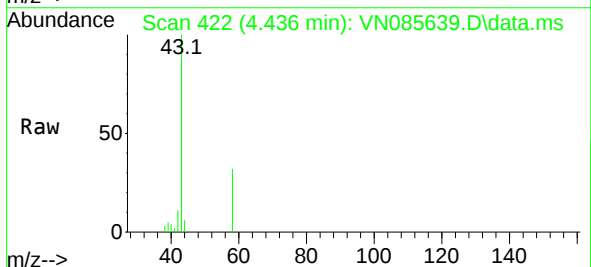


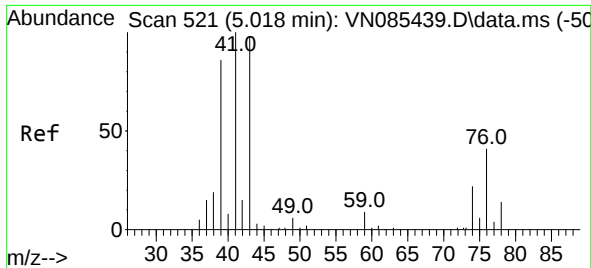
Tgt Ion:168 Resp: 168419
Ion Ratio Lower Upper
168 100
99 58.2 53.6 80.4



#16
Acetone
Concen: 28.431 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

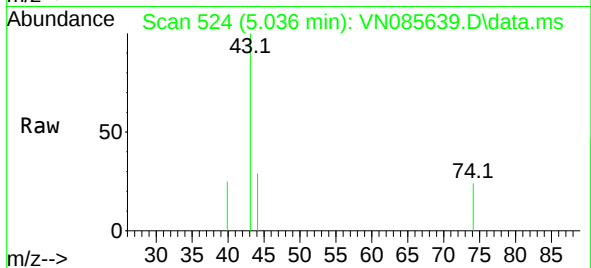
Tgt Ion: 43 Resp: 24974
Ion Ratio Lower Upper
43 100
58 31.6 23.8 35.6



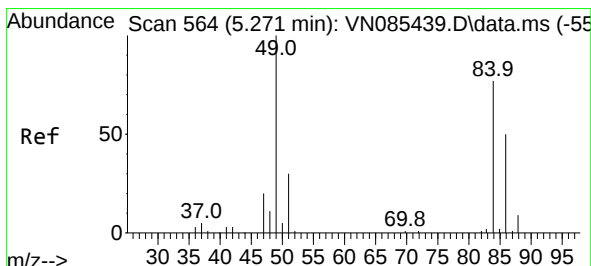
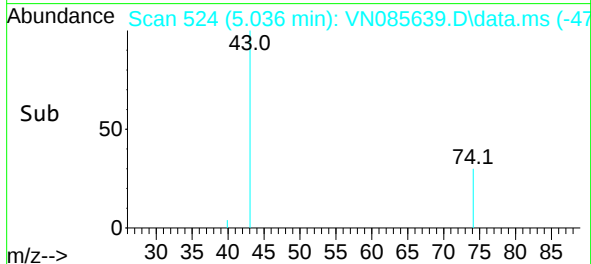
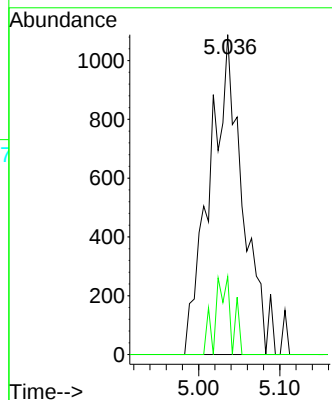


#18
Methyl Acetate
Concen: 1.155 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Instrument :
MSVOA_N
ClientSampleId :

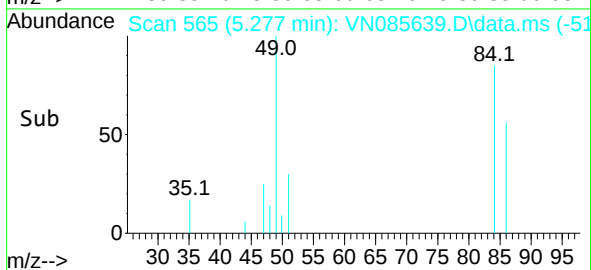
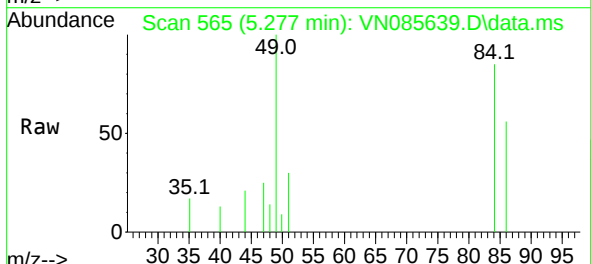
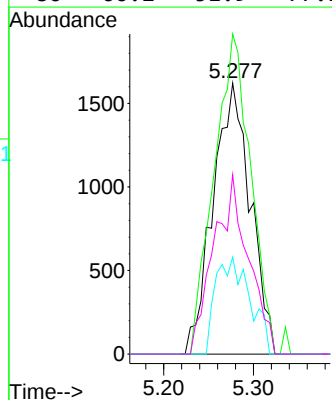


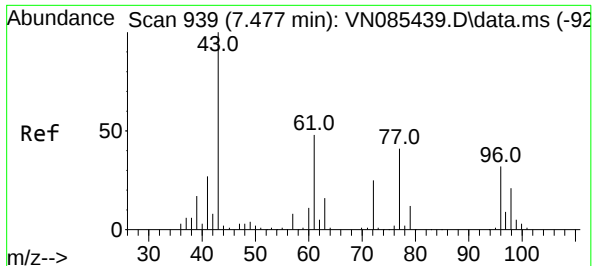
Tgt Ion: 43 Resp: 3085
Ion Ratio Lower Upper
43 100
74 12.1 18.6 28.0#



#20
Methylene Chloride
Concen: 2.151 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Tgt Ion: 84 Resp: 4678
Ion Ratio Lower Upper
84 100
49 118.1 104.1 156.1
51 35.8 31.0 46.4
86 66.2 51.9 77.9





#25

2-Butanone

Concen: 1.953 ug/l

RT: 7.500 min Scan# 94

Delta R.T. 0.024 min

Lab File: VN085639.D

Acq: 03 Feb 2025 22:01

Instrument :

MSVOA_N

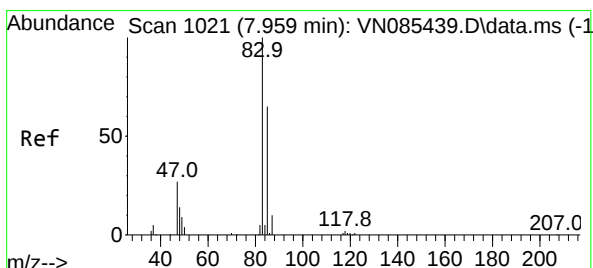
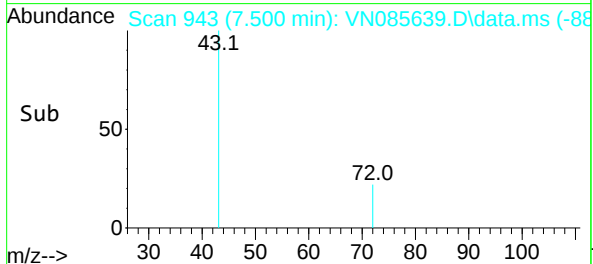
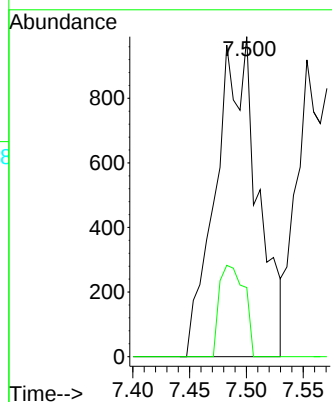
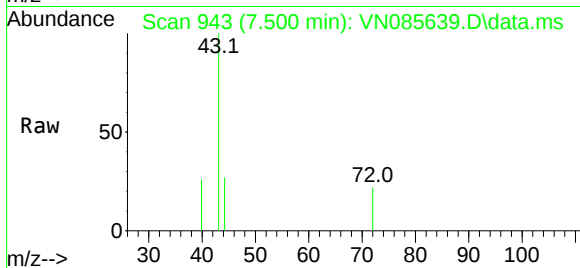
ClientSampleId :

Tgt Ion: 43 Resp: 2525

Ion Ratio Lower Upper

43 100

72 21.6 20.2 30.4



#30

Chloroform

Concen: 0.386 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.012 min

Lab File: VN085639.D

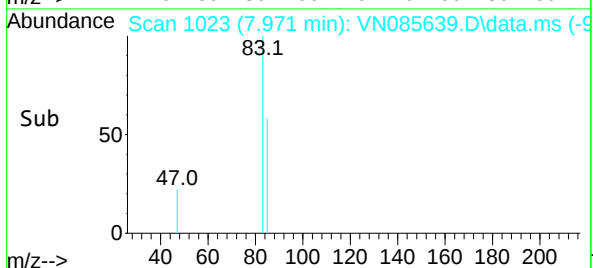
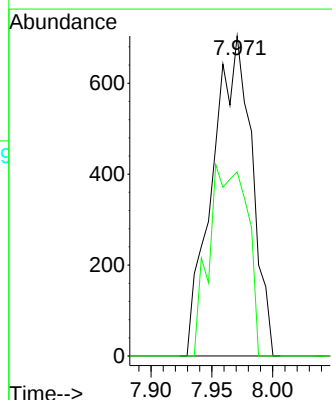
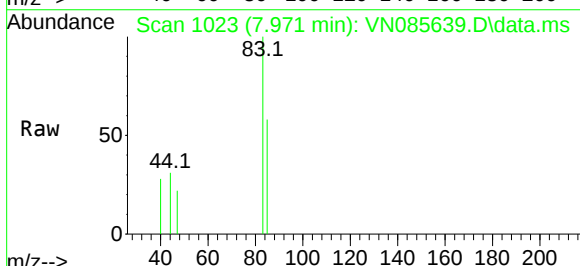
Acq: 03 Feb 2025 22:01

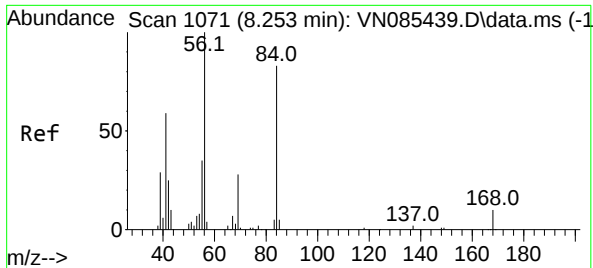
Tgt Ion: 83 Resp: 1582

Ion Ratio Lower Upper

83 100

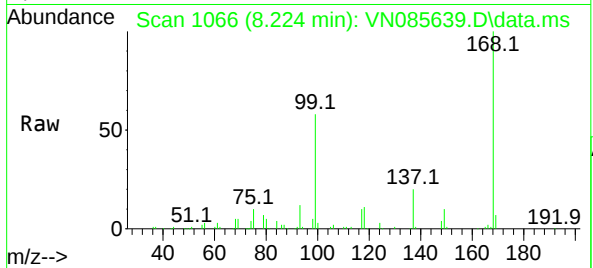
85 57.5 51.8 77.6



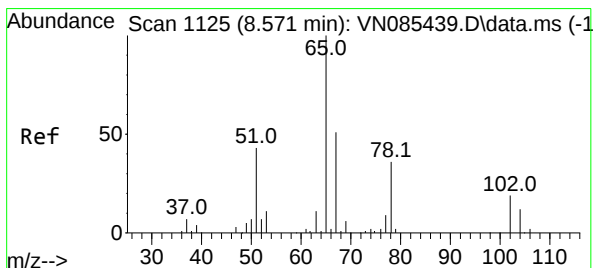
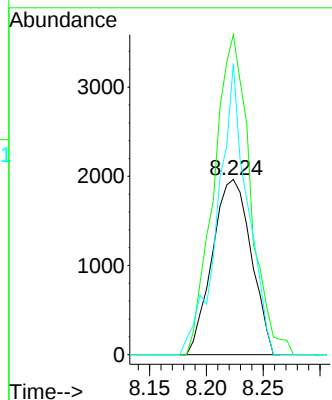
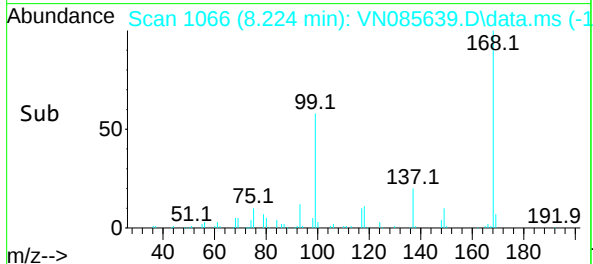


#31
Cyclohexane
Concen: 1.356 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Instrument :
MSVOA_N
ClientSampleId :

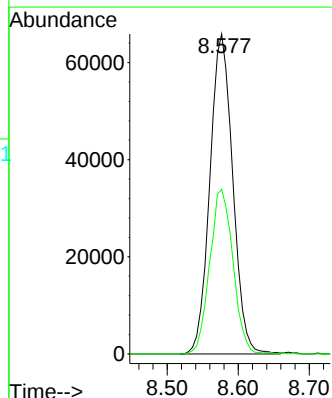
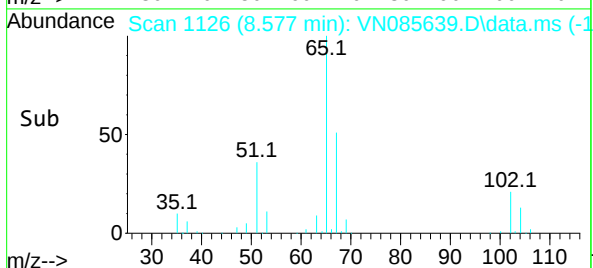
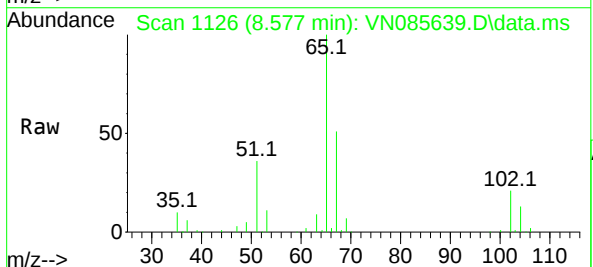


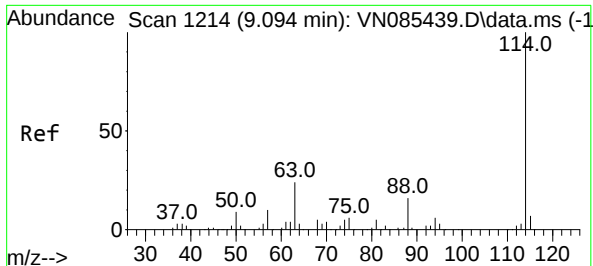
Tgt Ion: 56 Resp: 4677
Ion Ratio Lower Upper
56 100
69 182.6 22.2 33.4#
84 166.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.109 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Tgt Ion: 65 Resp: 147102
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085639.D

Acq: 03 Feb 2025 22:01

Instrument :

MSVOA_N

ClientSampleId :

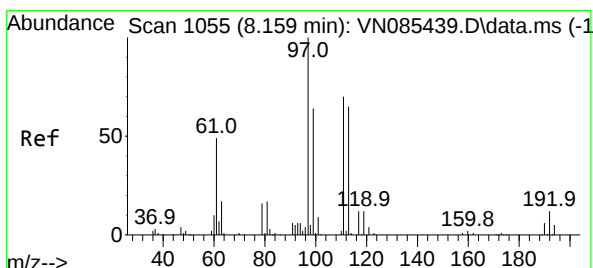
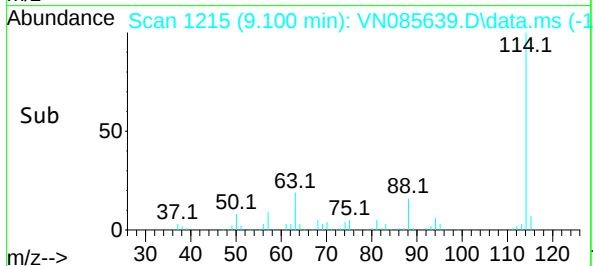
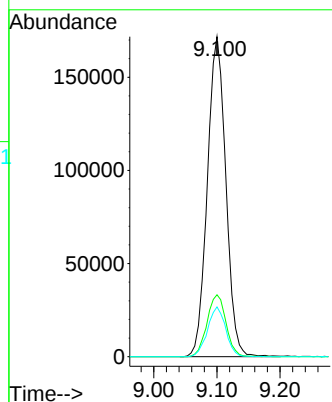
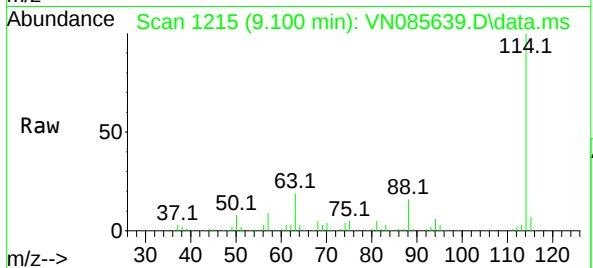
Tgt Ion:114 Resp: 349686

Ion Ratio Lower Upper

114 100

63 19.3 0.0 47.6

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.887 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085639.D

Acq: 03 Feb 2025 22:01

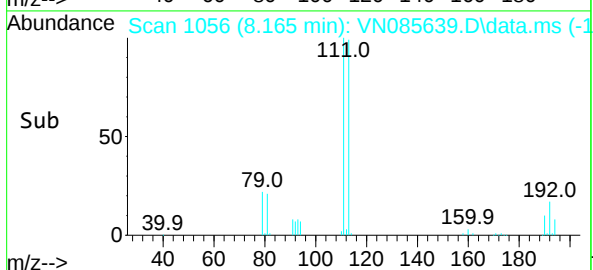
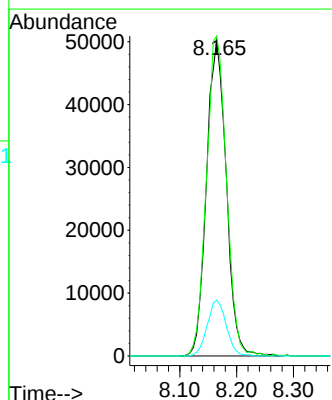
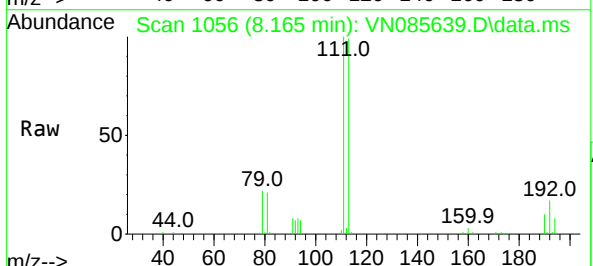
Tgt Ion:113 Resp: 121025

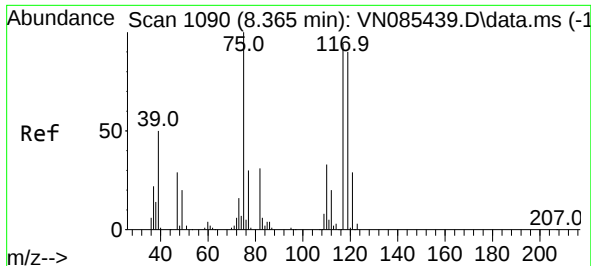
Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

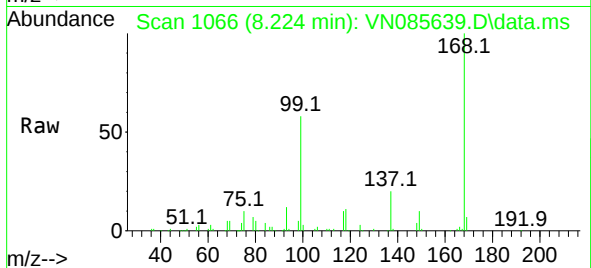
192 17.0 14.3 21.5



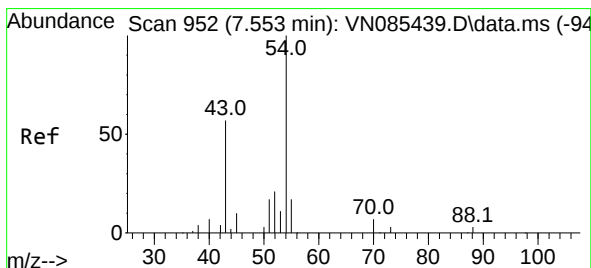
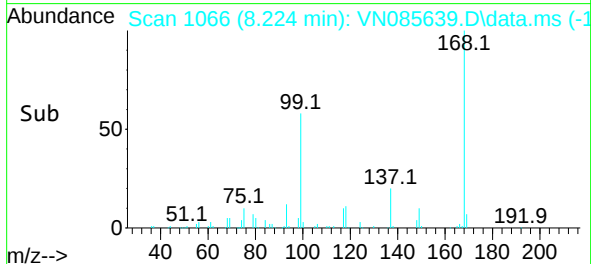
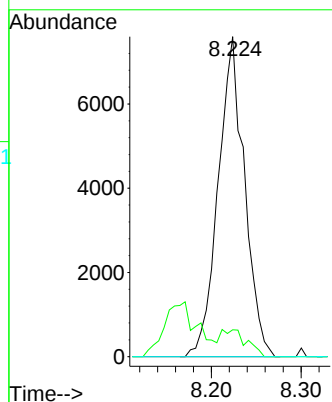


#36
1,1-Dichloropropene
Concen: 4.542 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Instrument :
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ClientSampleId :

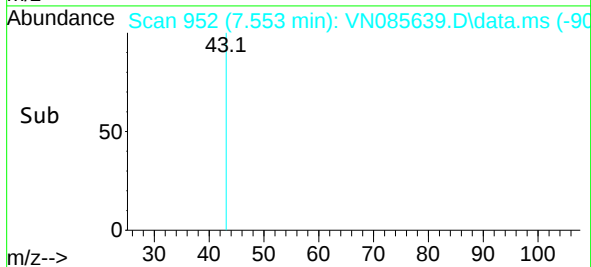
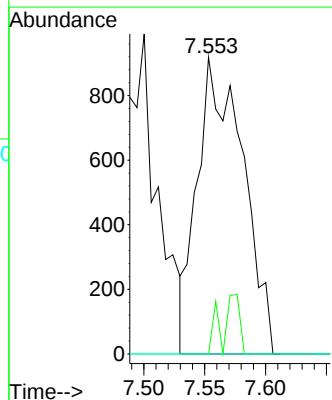
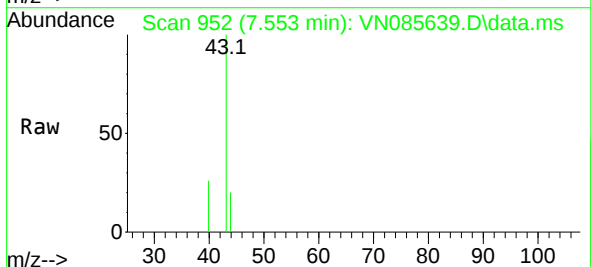


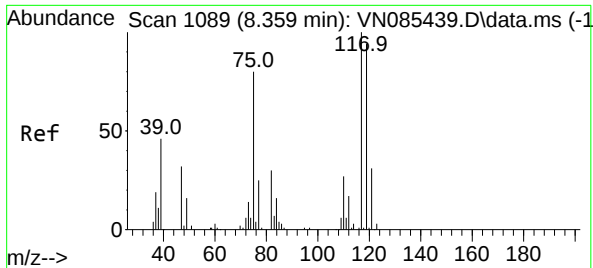
Tgt Ion: 75 Resp: 15464
Ion Ratio Lower Upper
75 100
110 8.1 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.694 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.000 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

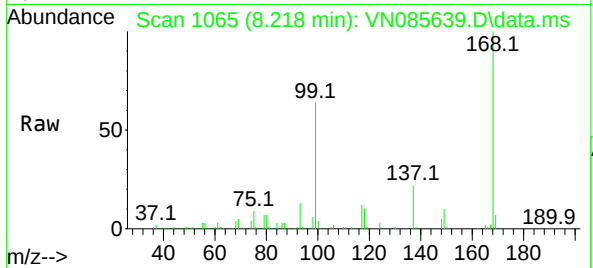
Tgt Ion: 43 Resp: 2386
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.5 11.3#



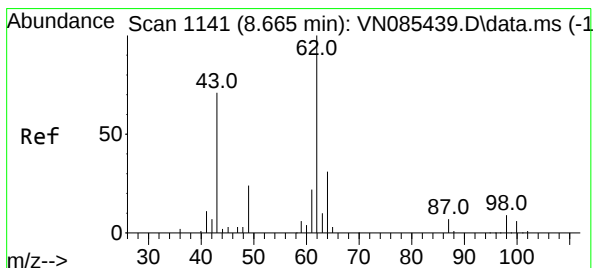
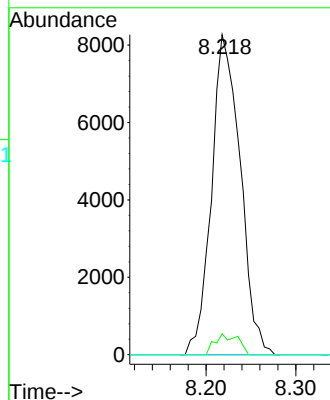
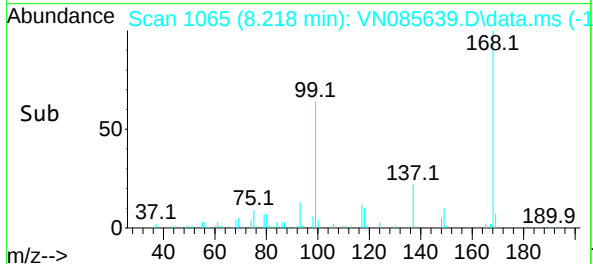


#38
Carbon Tetrachloride
Concen: 4.711 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Instrument :
MSVOA_N
ClientSampleId :

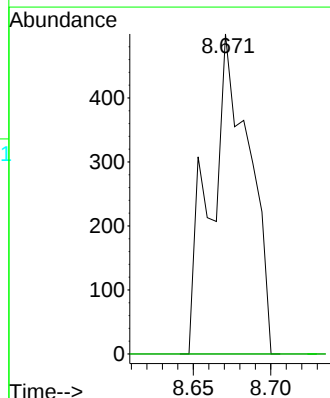
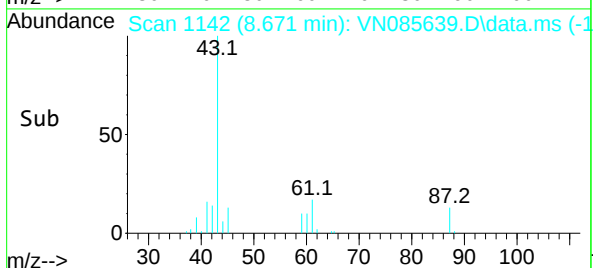
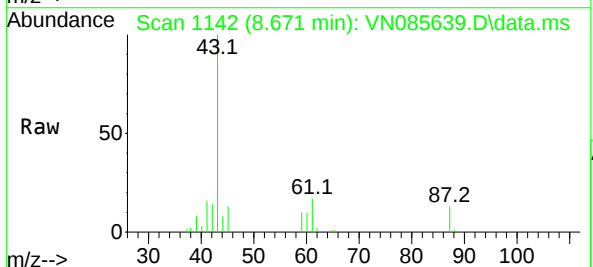


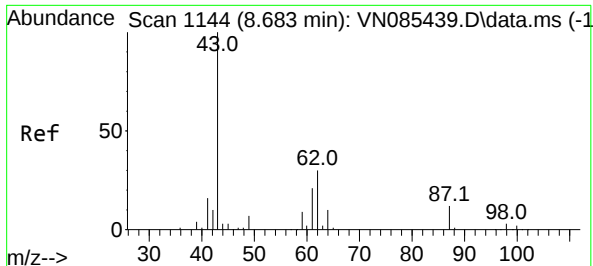
Tgt Ion:117 Resp: 18365
Ion Ratio Lower Upper
117 100
119 6.5 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.226 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

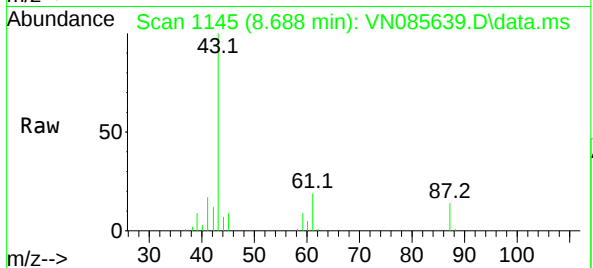
Tgt Ion: 62 Resp: 871
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0



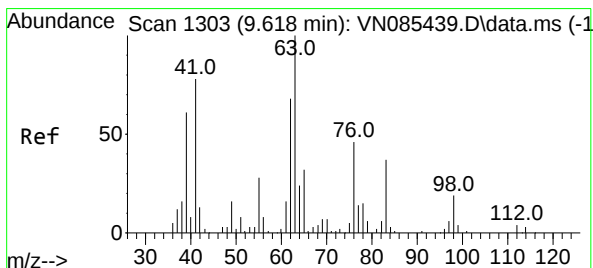
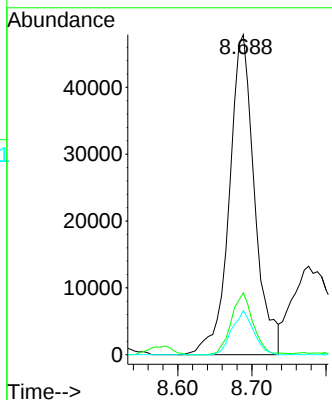
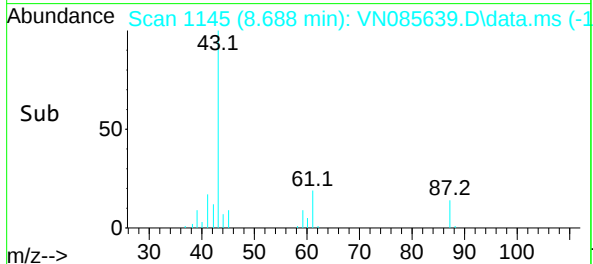


#43
Isopropyl Acetate
Concen: 20.666 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Instrument :
MSVOA_N
ClientSampleId :

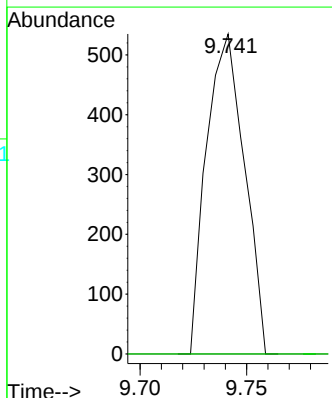
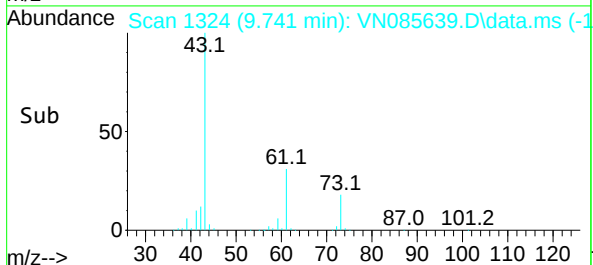
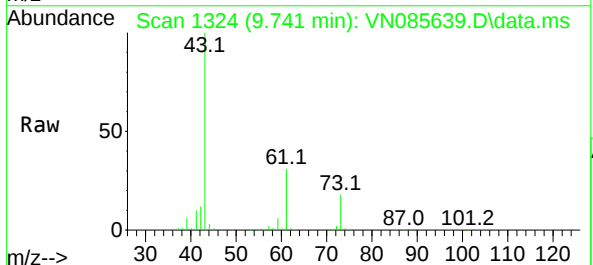


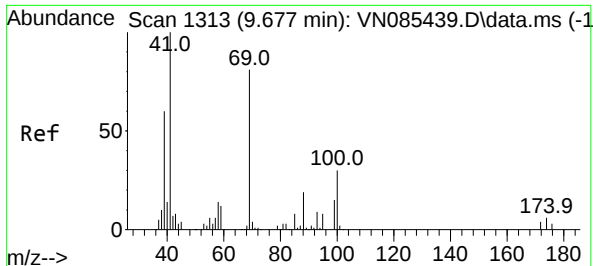
Tgt Ion: 43 Resp: 113800
Ion Ratio Lower Upper
43 100
61 16.7 20.7 31.1#
87 11.6 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.254 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

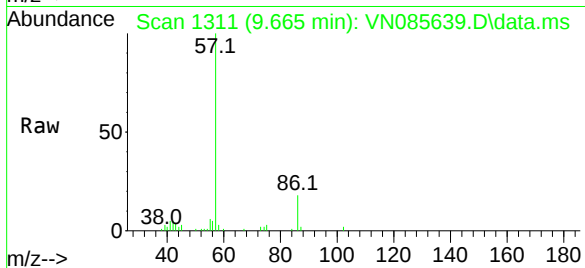
Tgt Ion: 63 Resp: 663
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



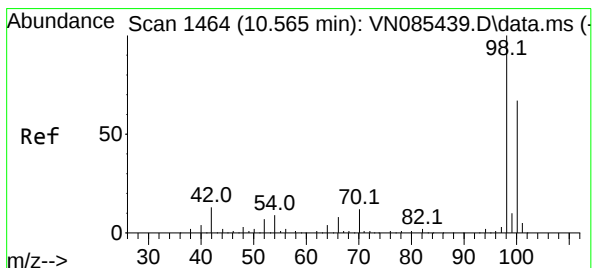
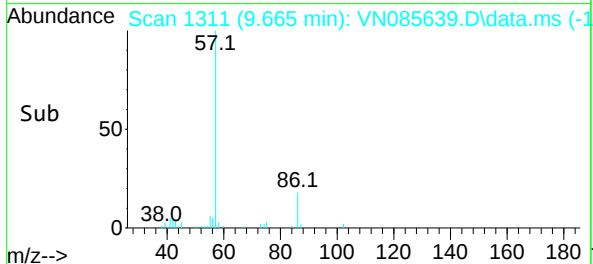
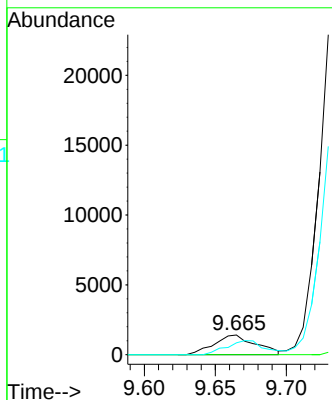


#48
Methyl methacrylate
Concen: 1.165 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Instrument :
MSVOA_N
ClientSampleId :

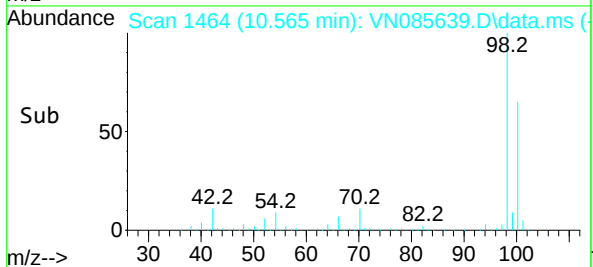
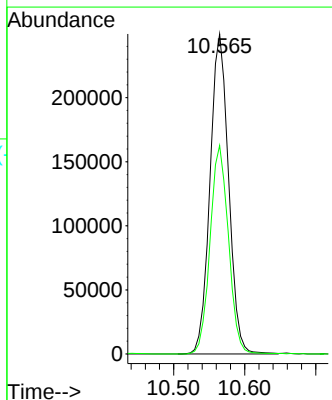
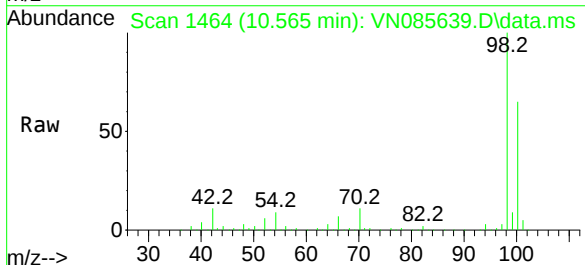


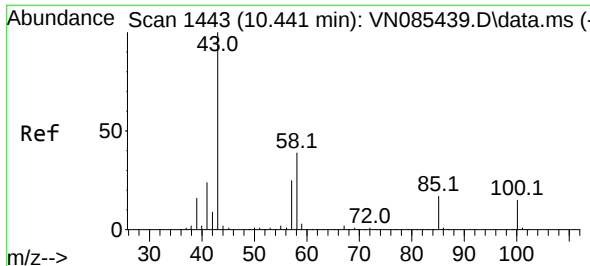
Tgt Ion: 41 Resp: 2886
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 66.4 49.0 73.6



#50
Toluene-d8
Concen: 52.484 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Tgt Ion: 98 Resp: 452380
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4

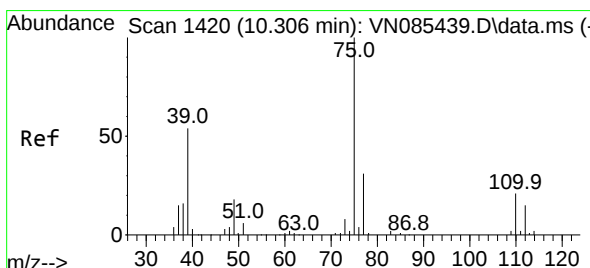
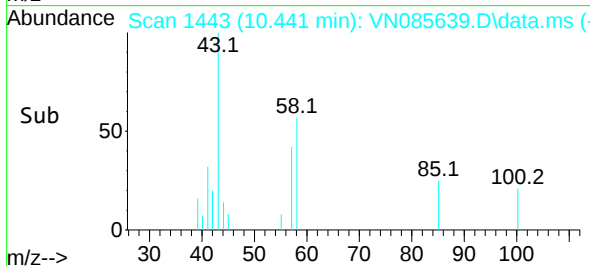
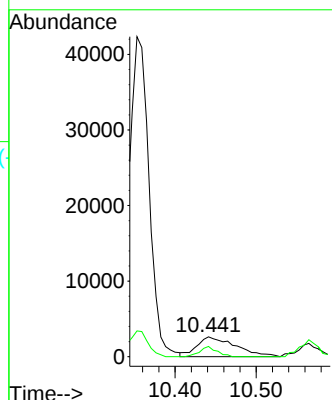
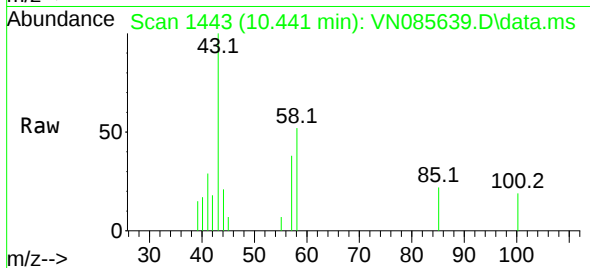




#51
4-Methyl-2-Pentanone
Concen: 2.721 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

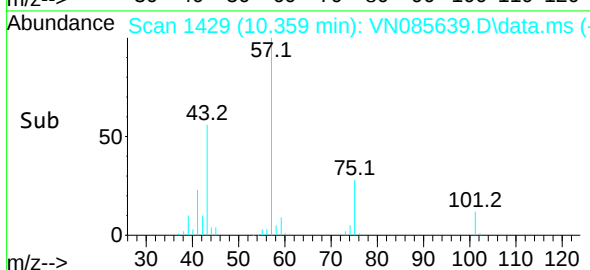
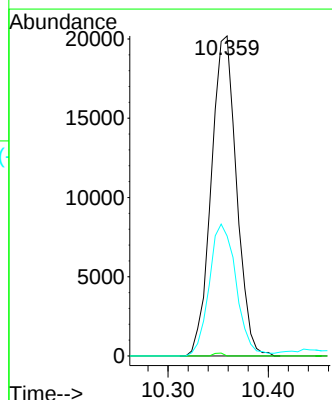
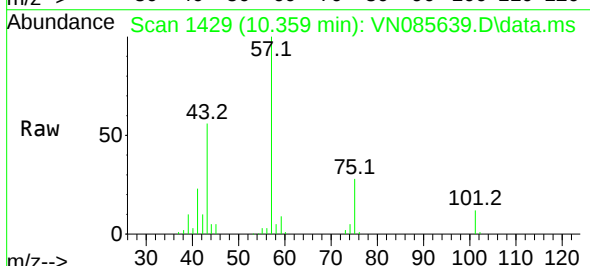
Instrument :
MSVOA_N
ClientSampleId :

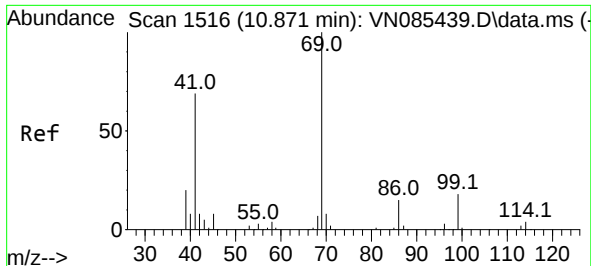
Tgt Ion: 43 Resp: 8694
Ion Ratio Lower Upper
43 100
58 22.7 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 9.102 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Tgt Ion: 75 Resp: 35296
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 37.5 43.1 64.7#

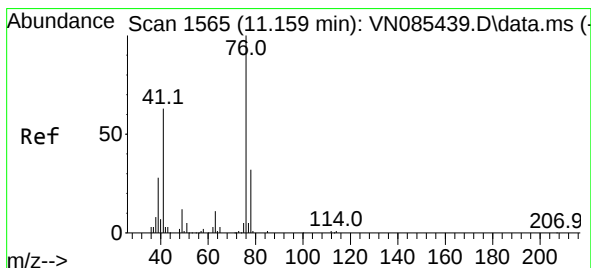
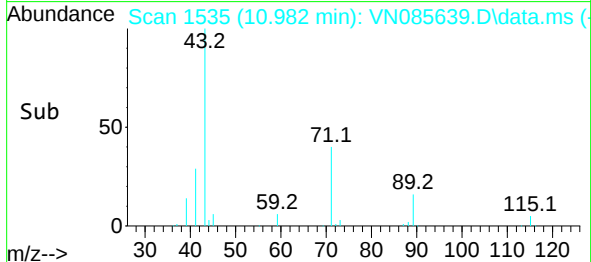
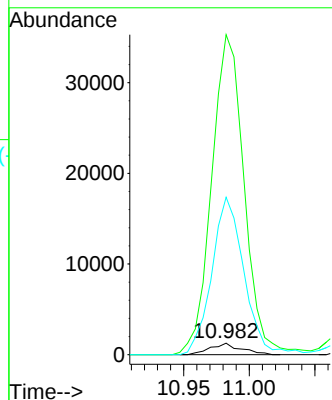
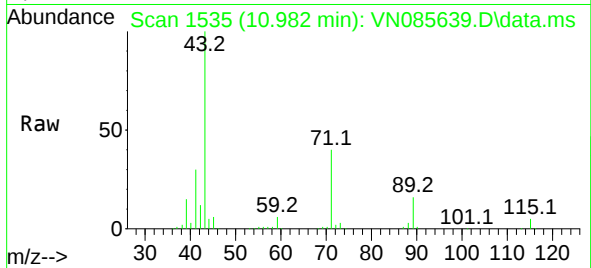




#56
Ethyl methacrylate
Concen: 2.437 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

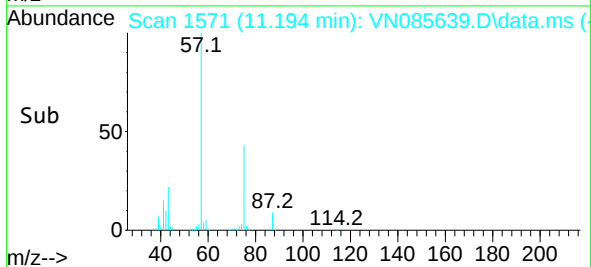
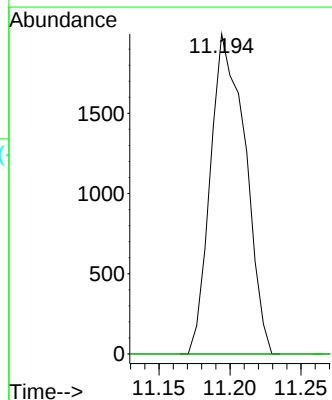
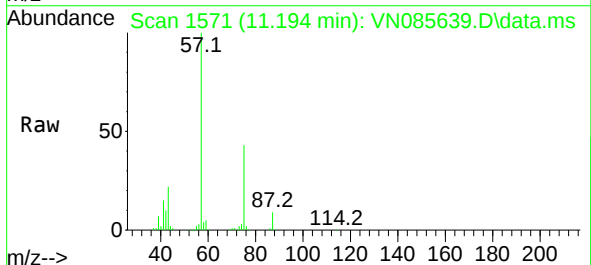
Instrument :
MSVOA_N
ClientSampleId :

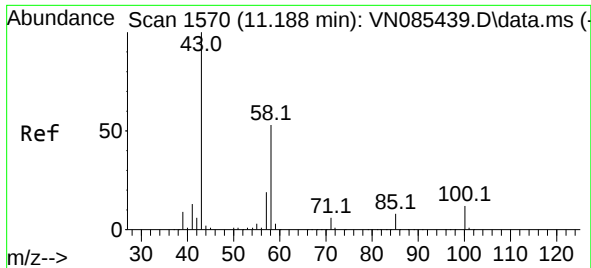
Tgt Ion: 69 Resp: 2081
Ion Ratio Lower Upper
69 100
41 2928.9 54.6 82.0#
39 1427.4 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 0.834 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Tgt Ion: 76 Resp: 3400
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

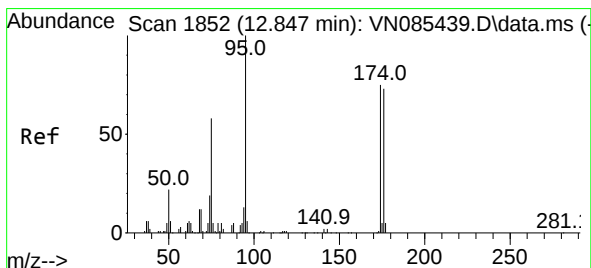
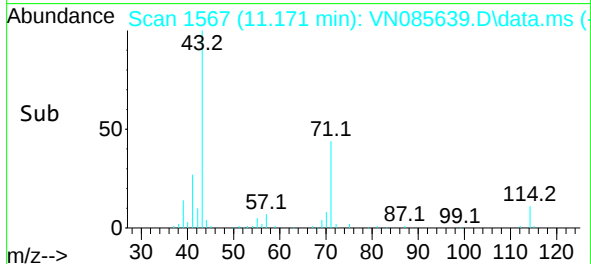
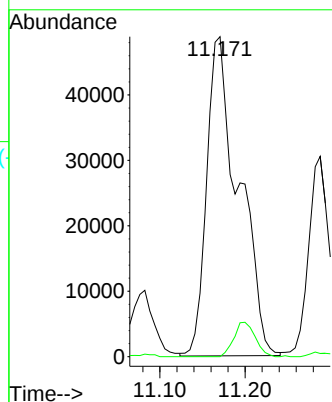
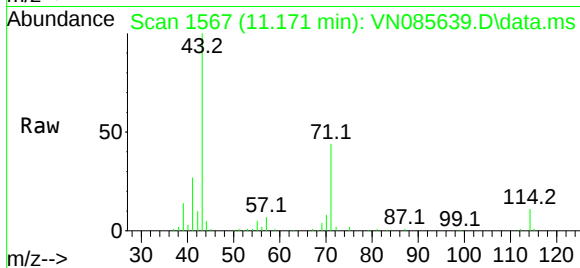




#59
2-Hexanone
Concen: 56.742 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

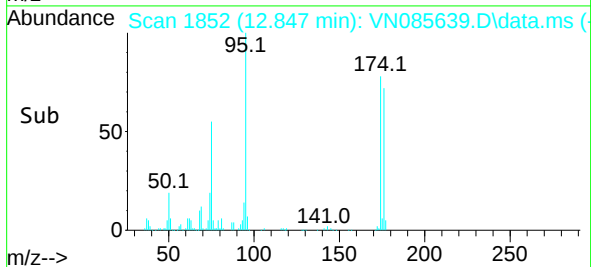
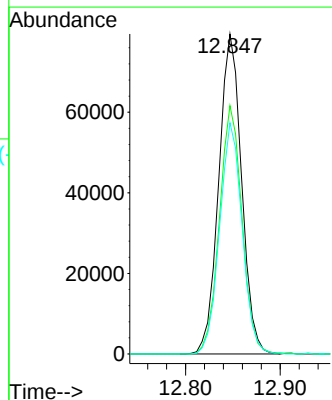
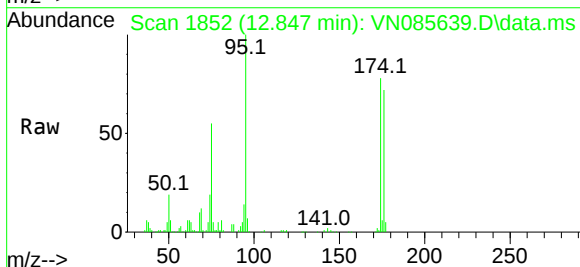
Instrument :
MSVOA_N
ClientSampleId :

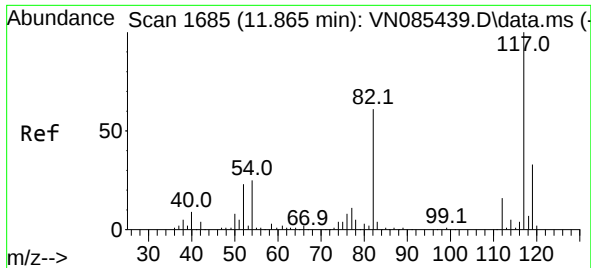
Tgt Ion: 43 Resp: 127580
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 45.069 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Tgt Ion: 95 Resp: 132884
Ion Ratio Lower Upper
95 100
174 76.9 0.0 145.0
176 71.4 0.0 142.4

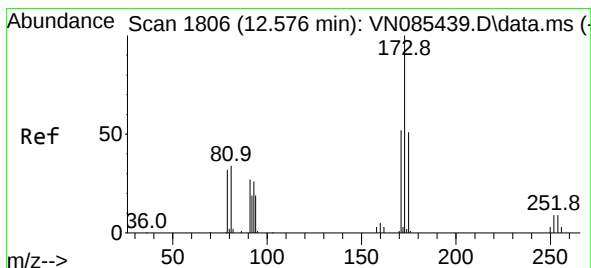
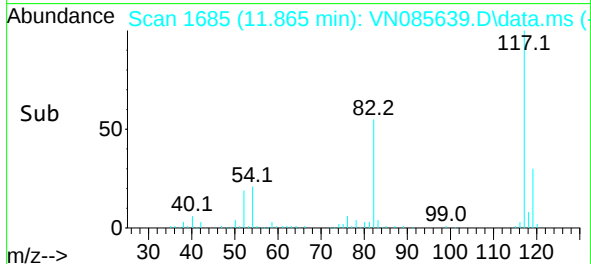
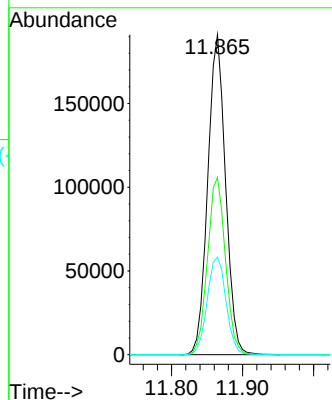
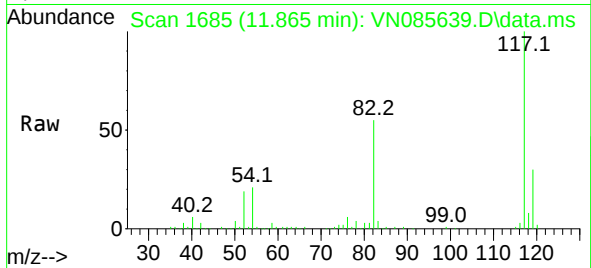




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

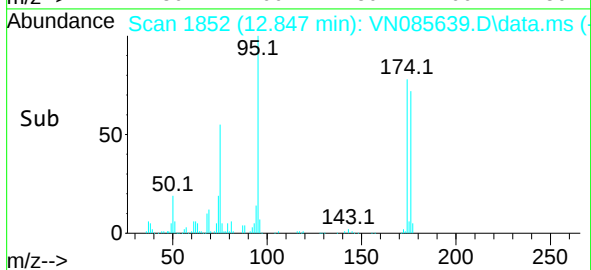
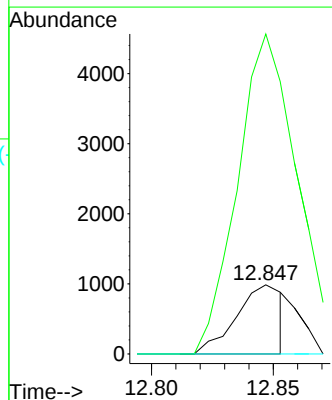
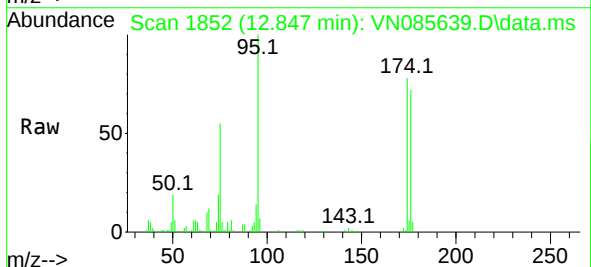
Instrument :
MSVOA_N
ClientSampleId :

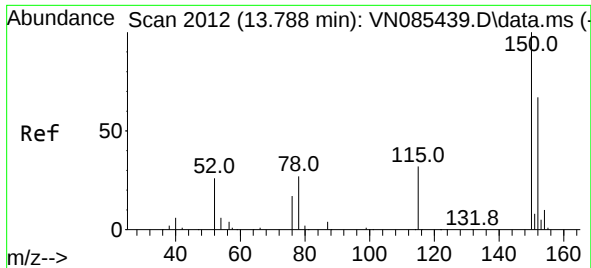
Tgt Ion:117 Resp: 332324
Ion Ratio Lower Upper
117 100
82 55.4 48.6 72.8
119 30.5 26.6 39.8



#71
Bromoform
Concen: 0.685 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085639.D
Acq: 03 Feb 2025 22:01

Tgt Ion:173 Resp: 1309
Ion Ratio Lower Upper
173 100
175 444.4 24.4 73.2#
254 0.0 0.0 0.0

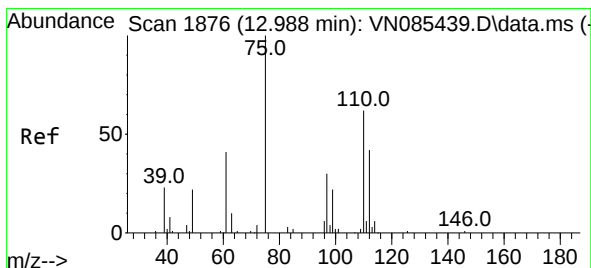
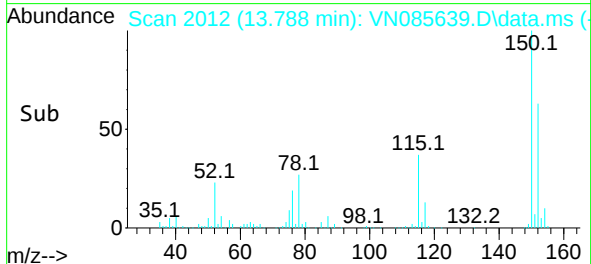
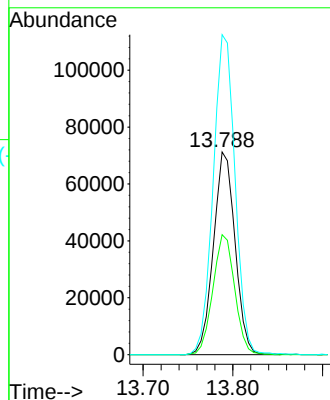
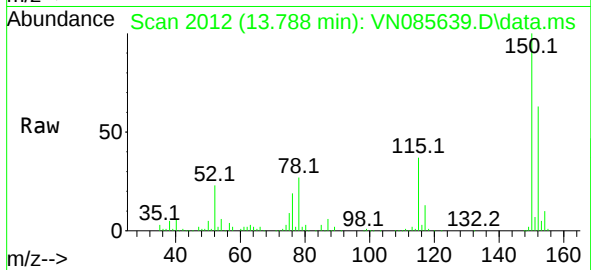




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085639.D
 Acq: 03 Feb 2025 22:01

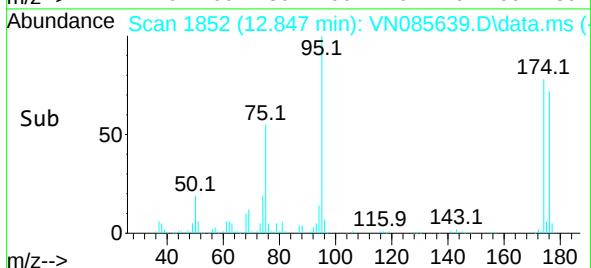
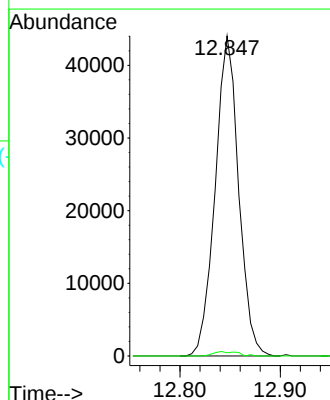
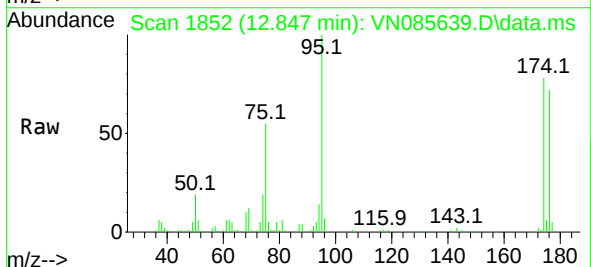
Instrument :
 MSVOA_N
 ClientSampleId :

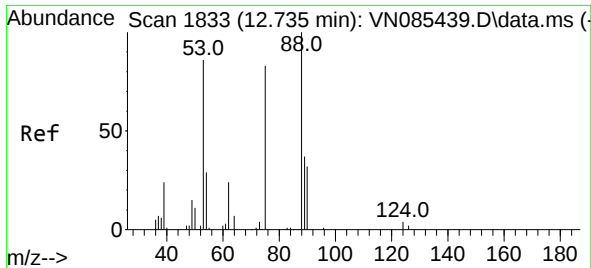
Tgt Ion:152 Resp: 119364
 Ion Ratio Lower Upper
 152 100
 115 59.7 31.1 93.3
 150 159.9 0.0 343.6



#76
 1,2,3-Trichloropropane
 Concen: 29.471 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085639.D
 Acq: 03 Feb 2025 22:01

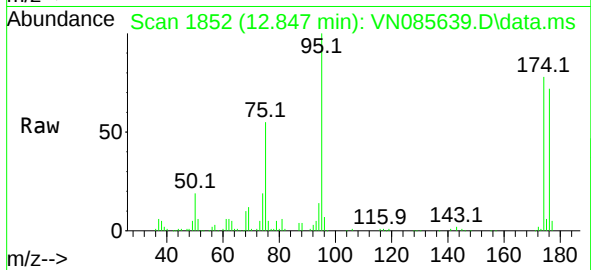
Tgt Ion: 75 Resp: 71500
 Ion Ratio Lower Upper
 75 100
 77 1.4 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.736 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085639.D
 Acq: 03 Feb 2025 22:01

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 71500
 Ion Ratio Lower Upper
 75 100
 53 0.2 95.6 143.4#
 89 0.1 37.0 55.6#

