

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085630.D
 Acq On : 03 Feb 2025 18:25
 Operator : JC\MD
 Sample : PB166424ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

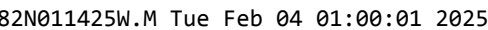
Instrument :
 MSVOA_N
 ClientSampleId :

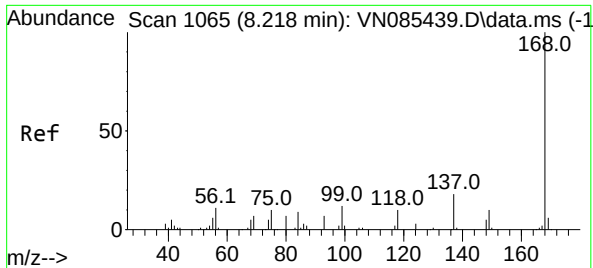
Quant Time: Feb 04 00:59:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	159154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	348531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	329832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142347	55.408	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.820%	
35) Dibromofluoromethane	8.165	113	117091	48.426	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.860%	
50) Toluene-d8	10.565	98	449452	52.317	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.640%	
62) 4-Bromofluorobenzene	12.847	95	123889	42.157	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 84.320%	
Target Compounds						Qvalue
5) Bromomethane	2.983	94	284	0.200	ug/l #	13
16) Acetone	4.430	43	30753	37.048	ug/l	94
18) Methyl Acetate	5.030	43	3135	1.242	ug/l #	84
20) Methylene Chloride	5.277	84	2392	1.164	ug/l	88
25) 2-Butanone	7.494	43	2900	2.374	ug/l #	50
31) Cyclohexane	8.224	56	4295	1.317	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15945	4.699	ug/l #	47
37) Ethyl Acetate	7.559	43	3168	0.925	ug/l #	86
38) Carbon Tetrachloride	8.229	117	17961	4.623	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	969	0.252	ug/l #	76
43) Isopropyl Acetate	8.688	43	193967	35.341	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	1877	0.721	ug/l #	43
48) Methyl methacrylate	9.735	41	132833	53.779	ug/l #	46
49) 1,4-Dioxane	9.747	88	79	1.899	ug/l #	1
51) 4-Methyl-2-Pentanone	10.353	43	98776	31.014	ug/l #	50
53) t-1,3-Dichloropropene	10.723	75	947	0.262	ug/l #	87
54) cis-1,3-Dichloropropene	10.353	75	48262	12.488	ug/l #	66
56) Ethyl methacrylate	10.982	69	2824	2.620	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7312	1.799	ug/l #	43
59) 2-Hexanone	11.200	43	95614	42.666	ug/l #	56
71) Bromoform	12.841	173	1159	0.611	ug/l #	28
74) N-amyl acetate	12.482	43	1502	0.443	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	65369	28.763	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65369	77.821	ug/l #	3

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

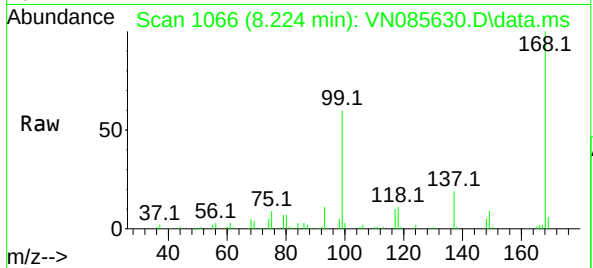
Quant Time: Feb 04 00:59:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



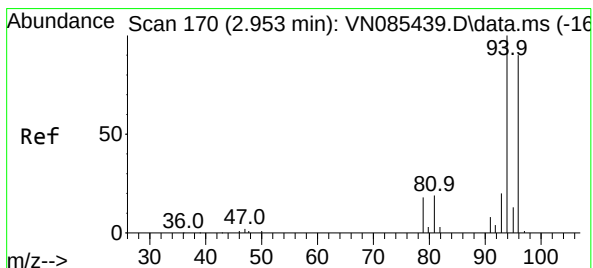
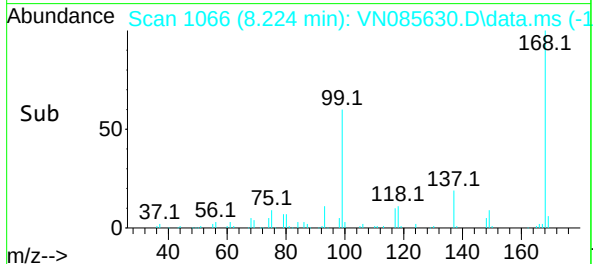
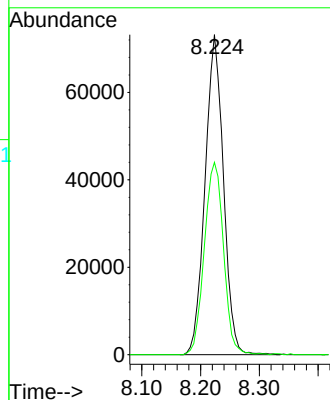


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Instrument :
MSVOA_N
ClientSampleId :

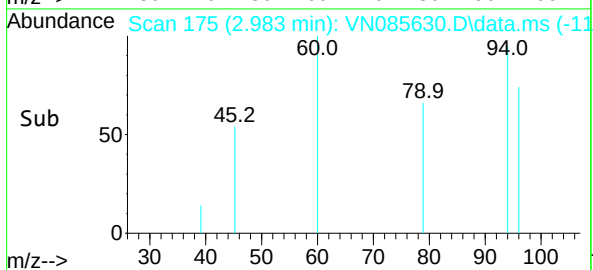
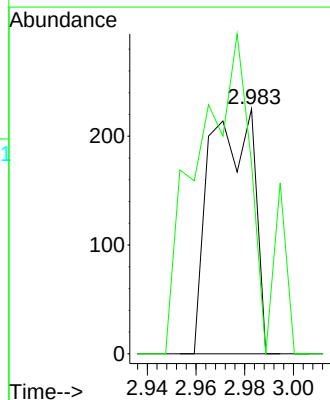
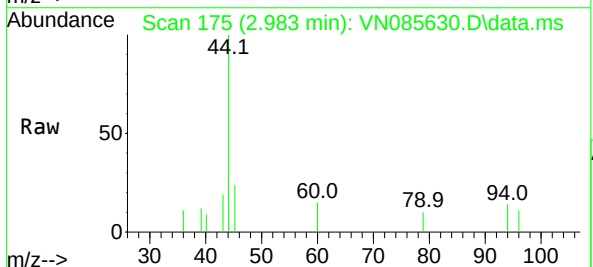


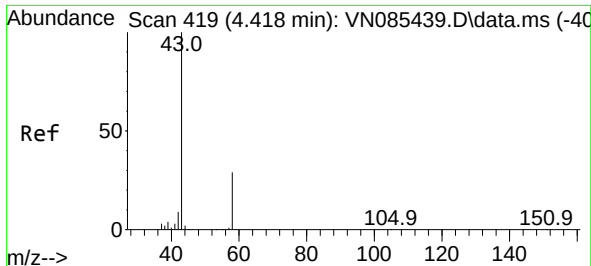
Tgt Ion:168 Resp: 159154
Ion Ratio Lower Upper
168 100
99 60.1 53.6 80.4



#5
Bromomethane
Concen: 0.200 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.029 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

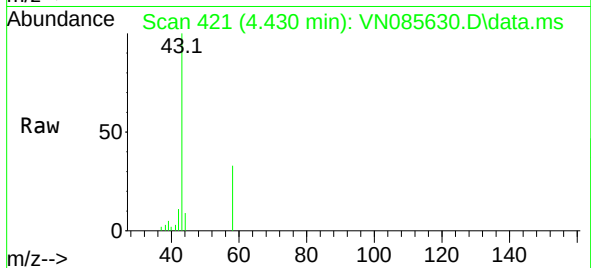
Tgt Ion: 94 Resp: 284
Ion Ratio Lower Upper
94 100
96 8.0 71.8 107.6#



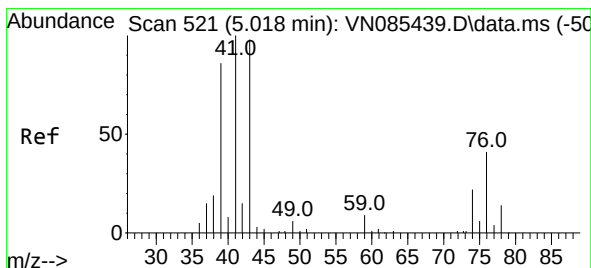
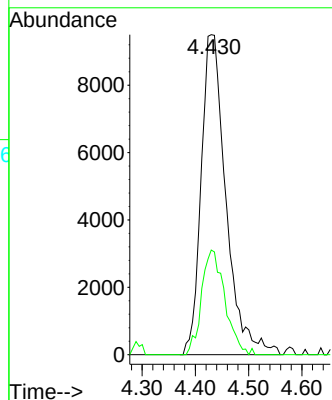
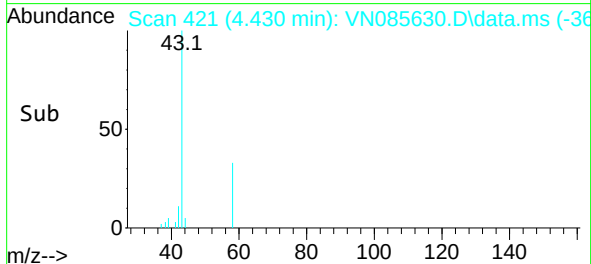


#16
Acetone
Concen: 37.048 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

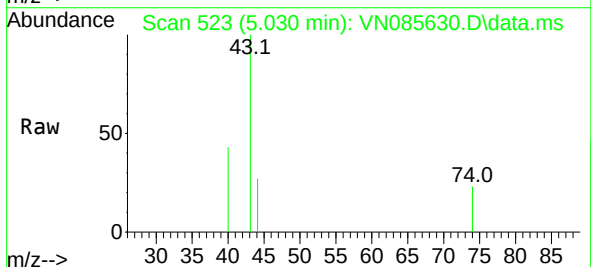
Instrument :
MSVOA_N
ClientSampleId :



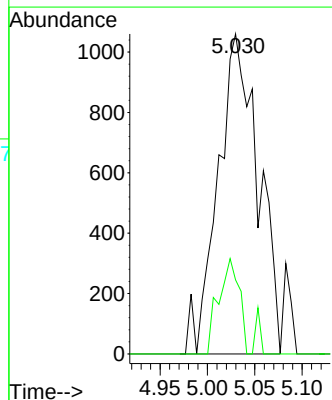
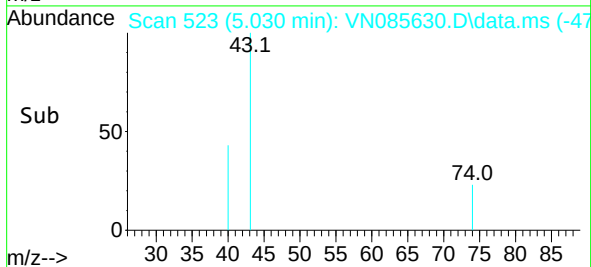
Tgt Ion: 43 Resp: 30753
Ion Ratio Lower Upper
43 100
58 32.7 23.8 35.6

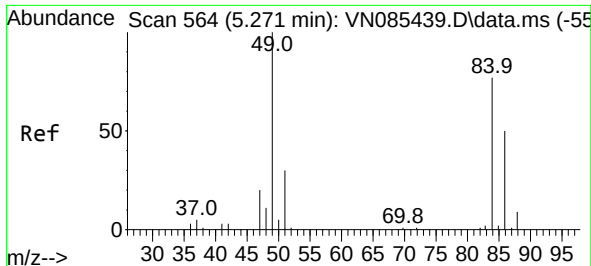


#18
Methyl Acetate
Concen: 1.242 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25



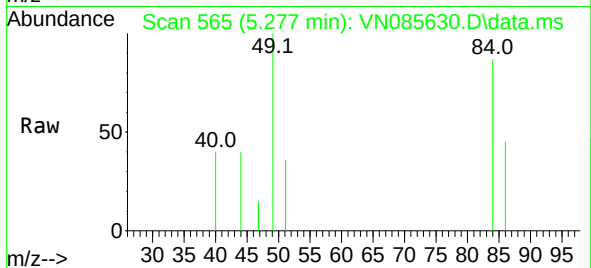
Tgt Ion: 43 Resp: 3135
Ion Ratio Lower Upper
43 100
74 15.3 18.6 28.0#



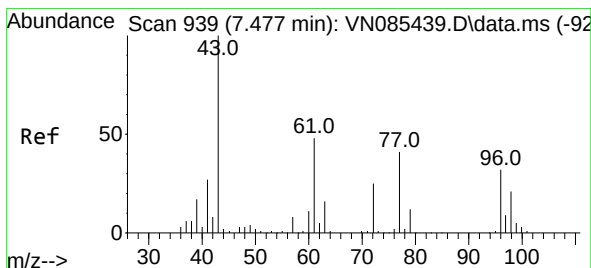
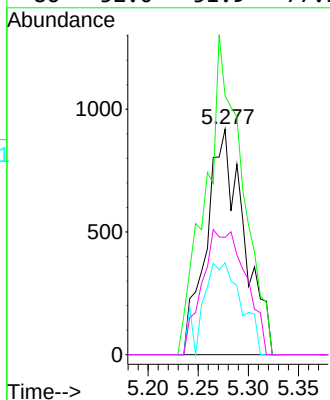
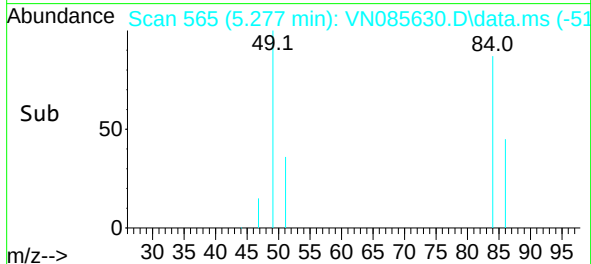


#20
Methylene Chloride
Concen: 1.164 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Instrument :
MSVOA_N
ClientSampleId :

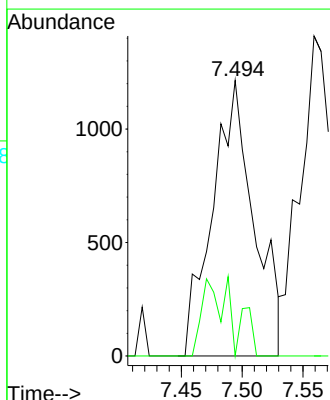
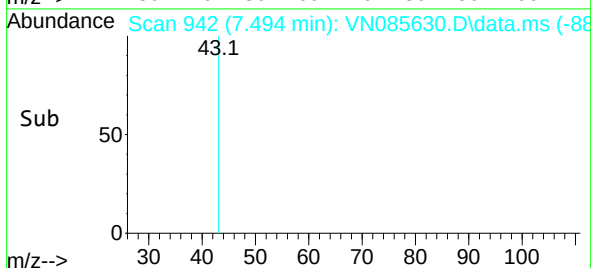
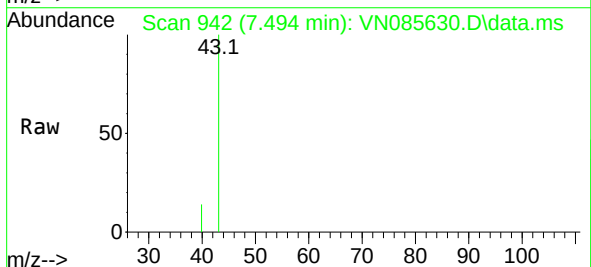


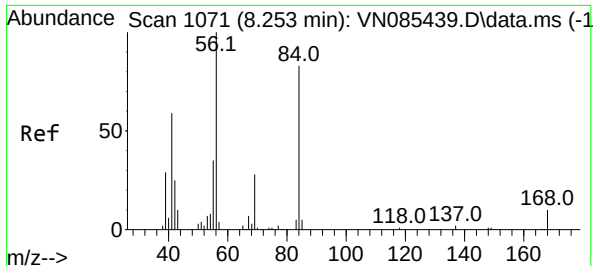
Tgt Ion: 84	Resp: 2392		
Ion	Ratio	Lower	Upper
84	100		
49	114.8	104.1	156.1
51	40.8	31.0	46.4
86	52.0	51.9	77.9



#25
2-Butanone
Concen: 2.374 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Tgt Ion: 43	Resp: 2900
Ion Ratio	Lower Upper
43 100	
72 0.0	20.2 30.4#





#31

Cyclohexane

Concen: 1.317 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

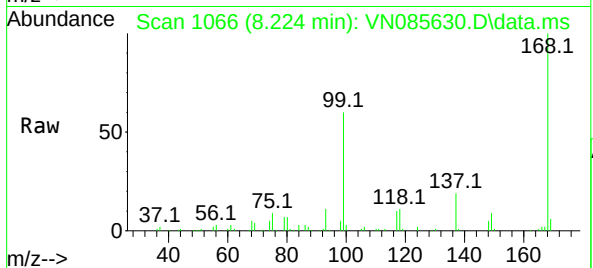
Lab File: VN085630.D

Acq: 03 Feb 2025 18:25

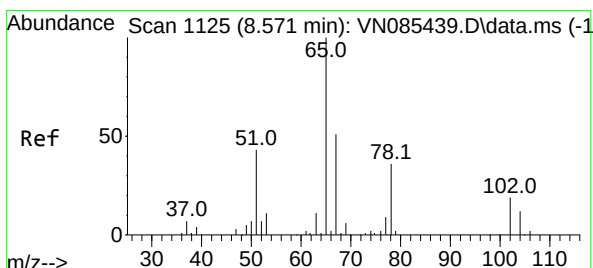
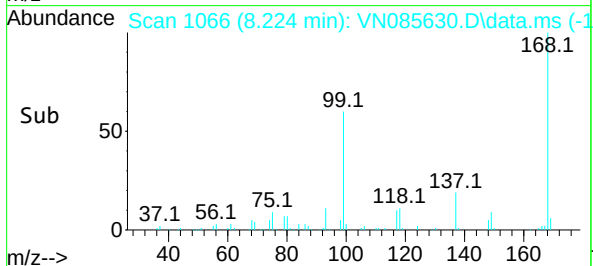
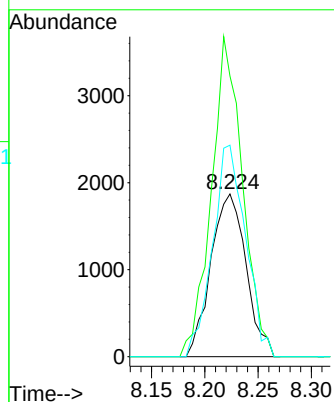
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 4295
Ion Ratio	Lower Upper
56	100
69	172.4 22.2 33.4#
84	129.9 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 55.408 ug/l

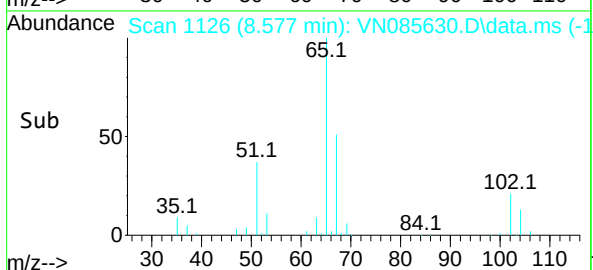
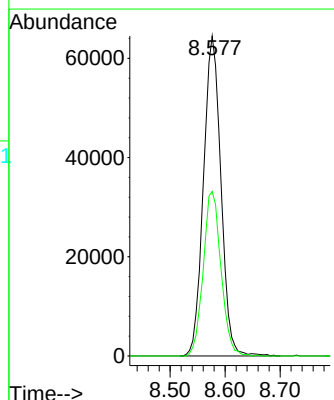
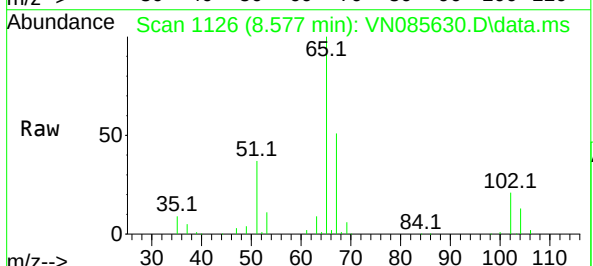
RT: 8.577 min Scan# 1126

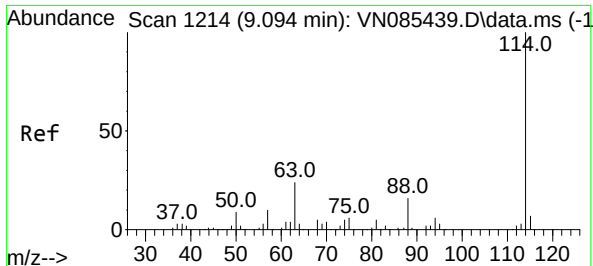
Delta R.T. 0.006 min

Lab File: VN085630.D

Acq: 03 Feb 2025 18:25

Tgt Ion: 65	Resp: 142347
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: VN085630.D

Acq: 03 Feb 2025 18:25

Instrument :

MSVOA_N

ClientSampleId :

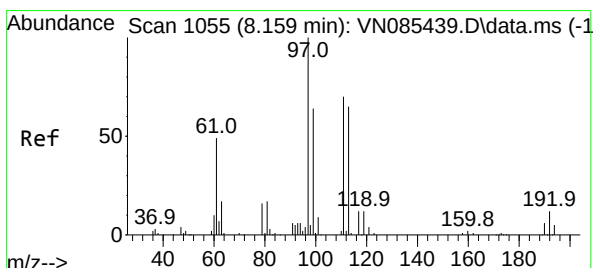
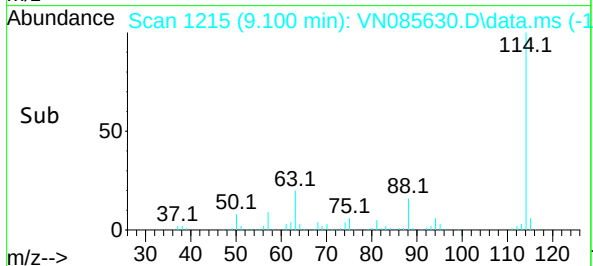
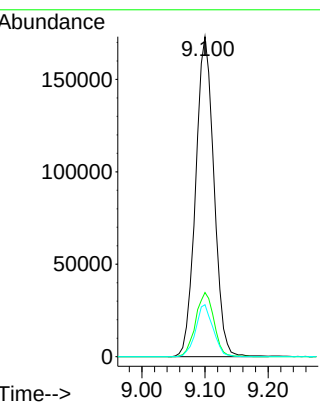
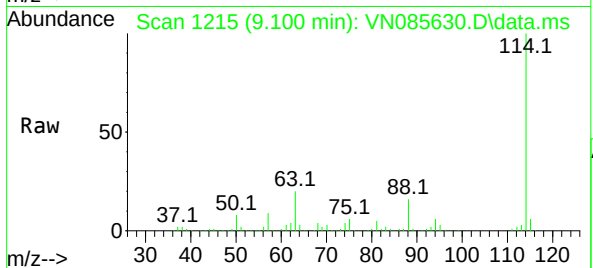
Tgt Ion:114 Resp: 348531

Ion Ratio Lower Upper

114 100

63 20.1 0.0 47.6

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.426 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085630.D

Acq: 03 Feb 2025 18:25

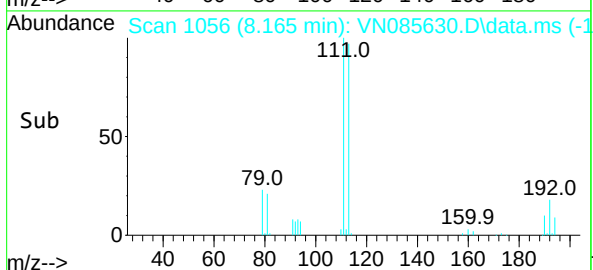
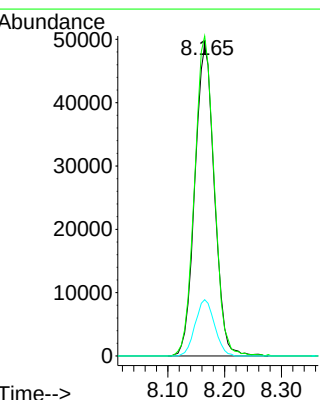
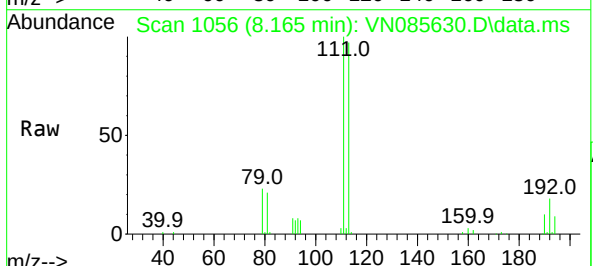
Tgt Ion:113 Resp: 117091

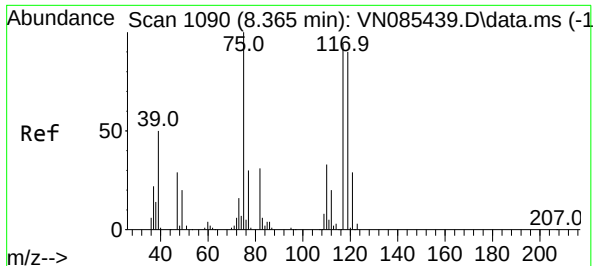
Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

192 17.9 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.699 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

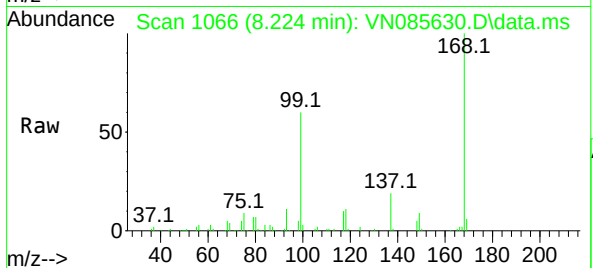
Lab File: VN085630.D

Acq: 03 Feb 2025 18:25

Instrument :

MSVOA_N

ClientSampleId :



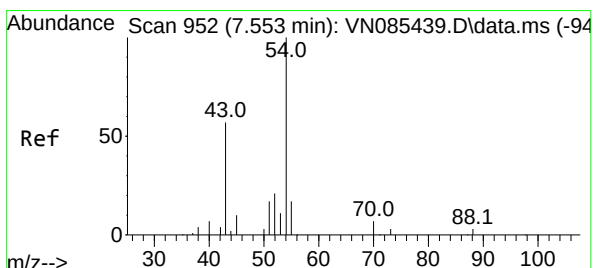
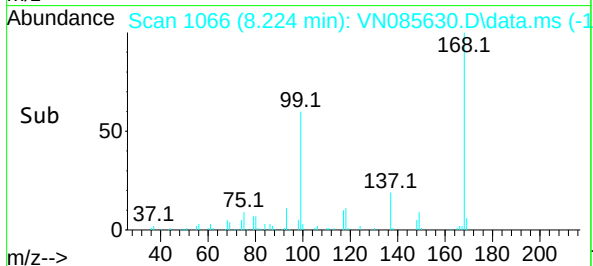
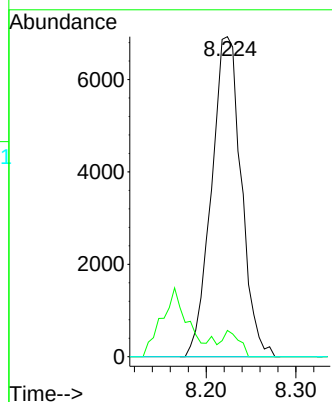
Tgt Ion: 75 Resp: 15945

Ion Ratio Lower Upper

75 100

110 4.6 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.925 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085630.D

Acq: 03 Feb 2025 18:25

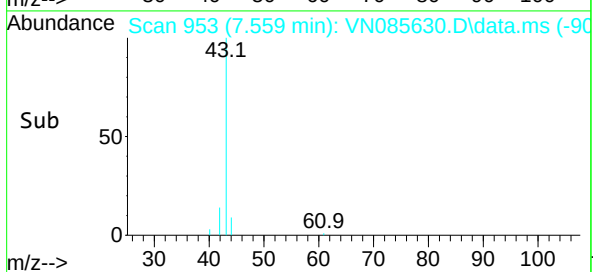
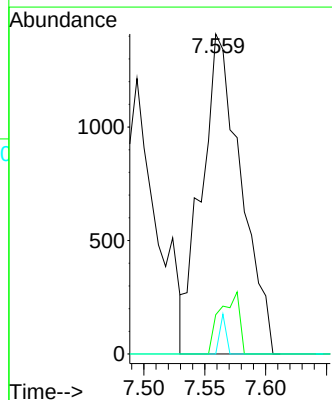
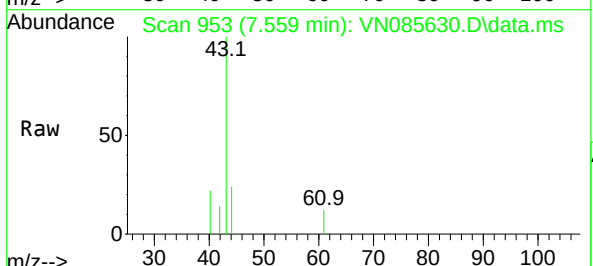
Tgt Ion: 43 Resp: 3168

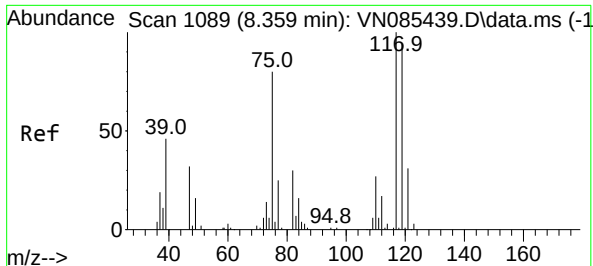
Ion Ratio Lower Upper

43 100

61 9.6 10.9 16.3#

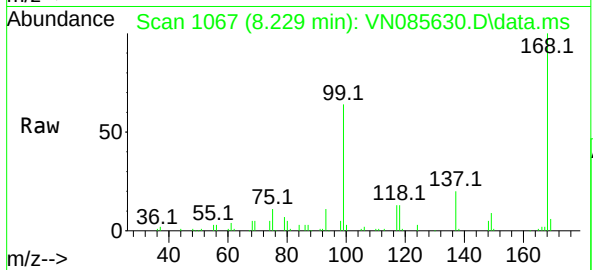
70 2.0 7.5 11.3#



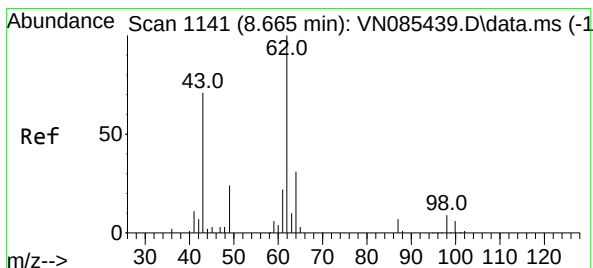
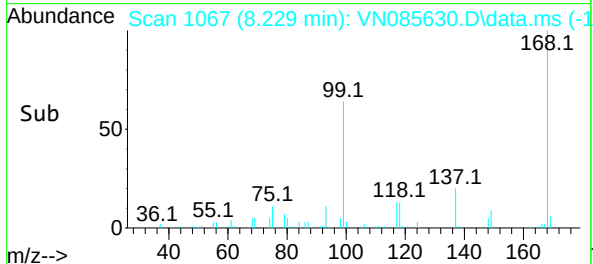
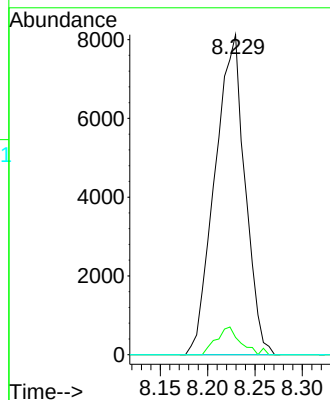


#38
Carbon Tetrachloride
Concen: 4.623 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.130 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Instrument :
MSVOA_N
ClientSampleId :

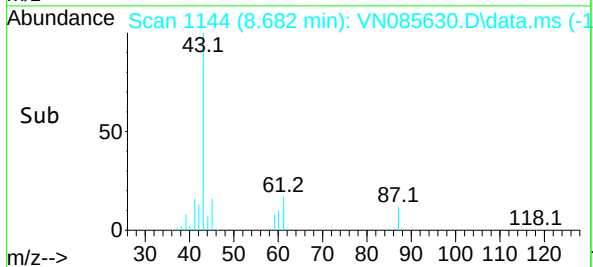
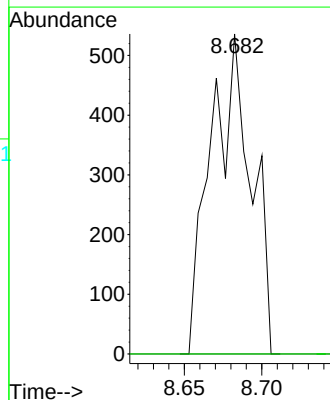
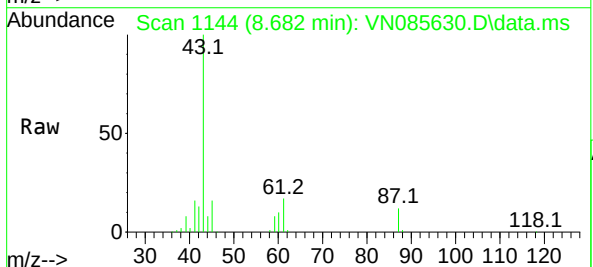


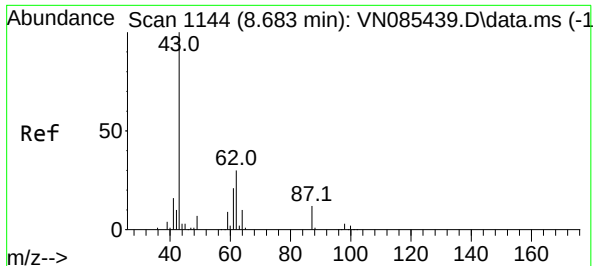
Tgt Ion:117 Resp: 17961
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.252 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.018 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

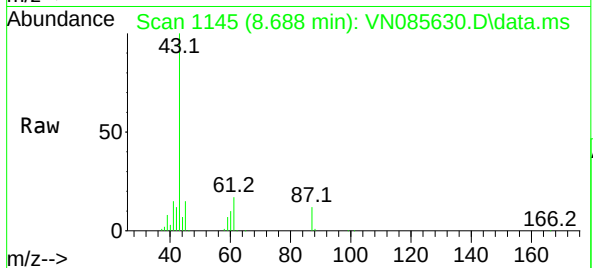
Tgt Ion: 62 Resp: 969
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0



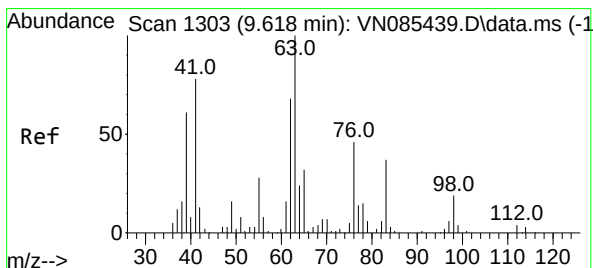
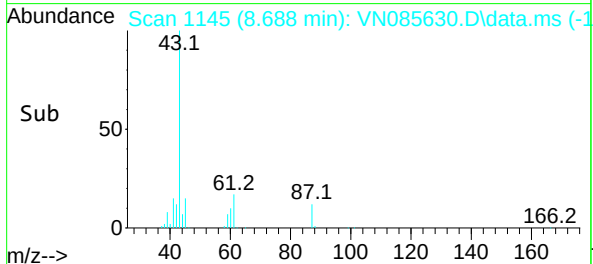
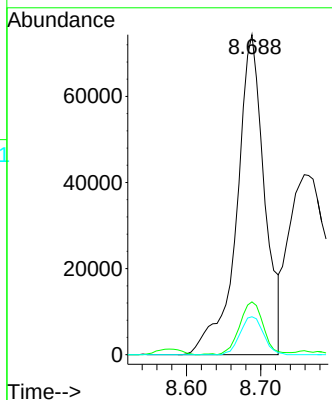


#43
Isopropyl Acetate
Concen: 35.341 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Instrument :
MSVOA_N
ClientSampleId :

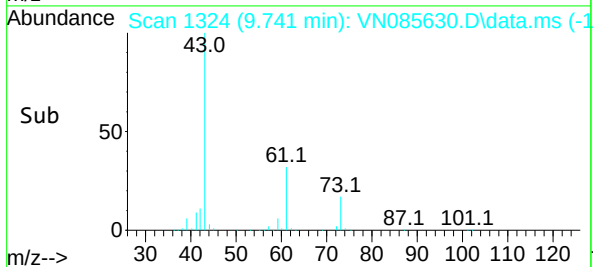
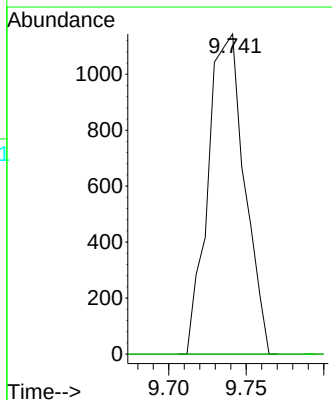
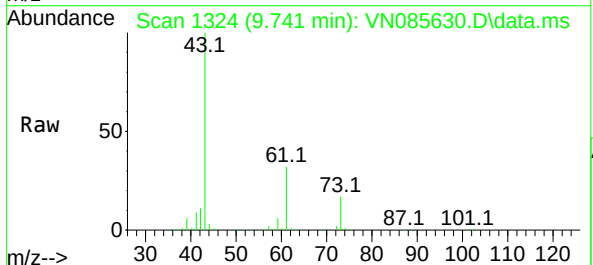


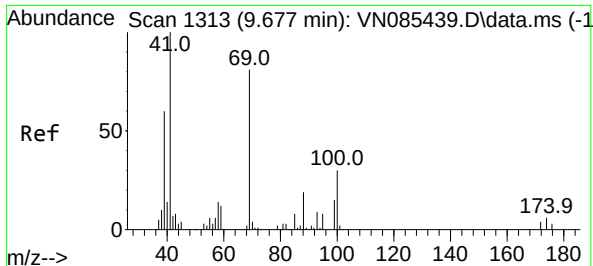
Tgt Ion: 43 Resp: 193967
Ion Ratio Lower Upper
43 100
61 14.3 20.7 31.1#
87 9.9 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.721 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

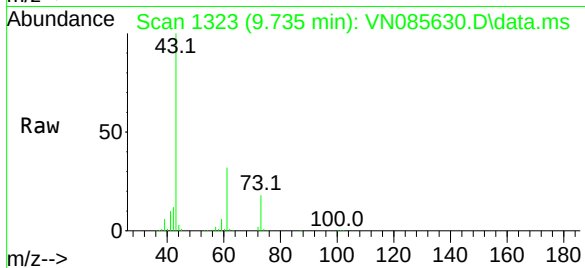
Tgt Ion: 63 Resp: 1877
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



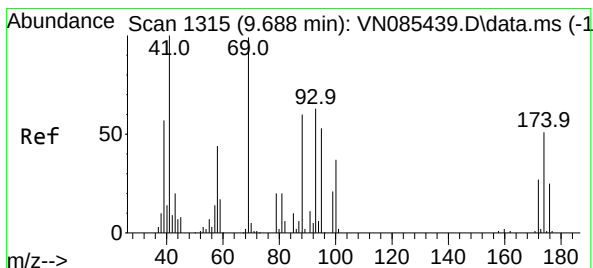
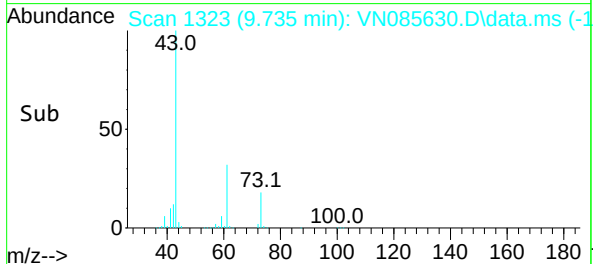
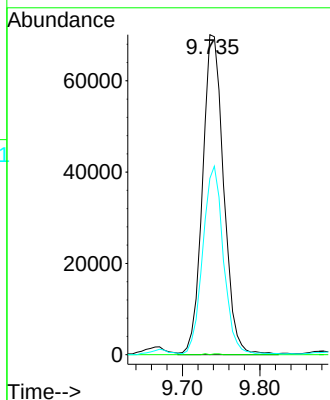


#48
Methyl methacrylate
Concen: 53.779 ug/l
RT: 9.735 min Scan# 1313
Delta R.T. 0.058 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Instrument :
MSVOA_N
ClientSampleId :

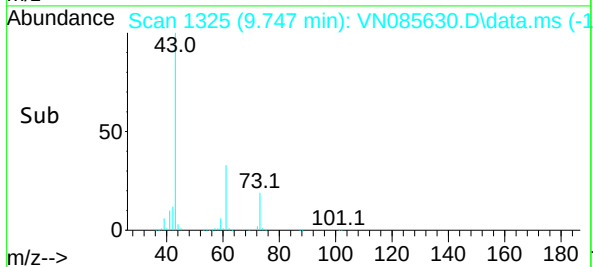
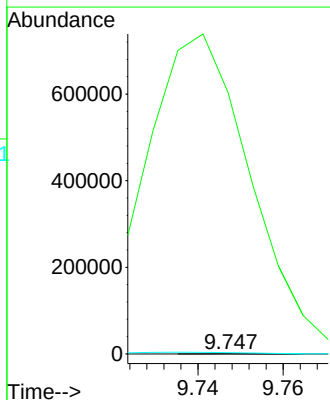
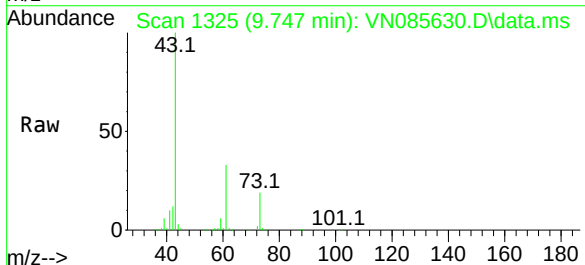


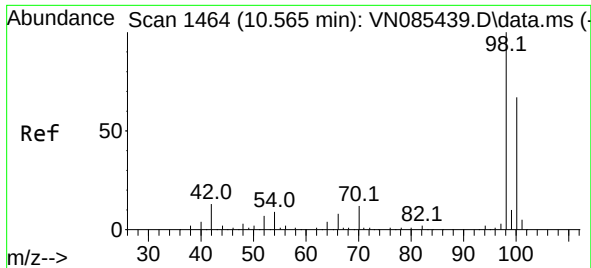
Tgt Ion: 41 Resp: 132833
Ion Ratio Lower Upper
41 100
69 0.1 64.7 97.1#
39 57.5 49.0 73.6



#49
1,4-Dioxane
Concen: 1.899 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 1671872.2 26.6 39.8#
58 10797.5 59.5 89.3#

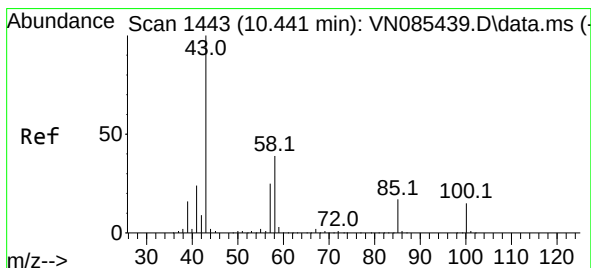
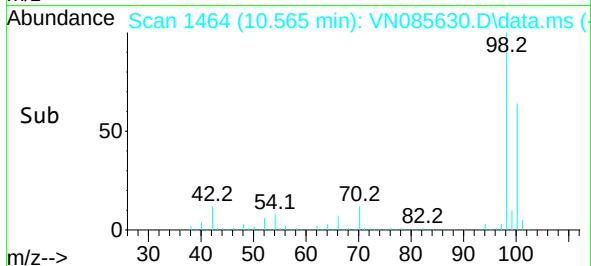
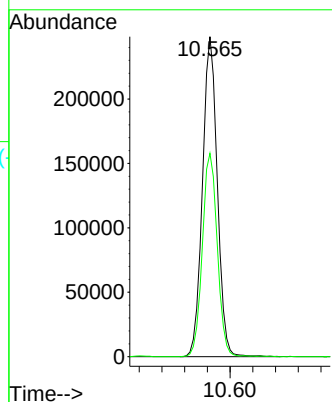
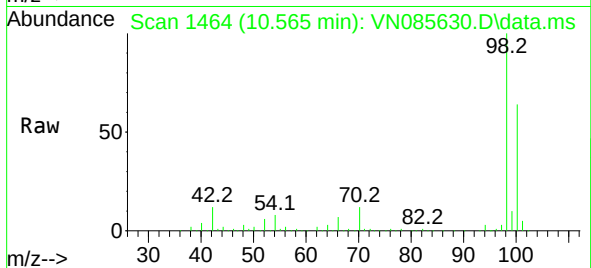




#50
Toluene-d8
Concen: 52.317 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

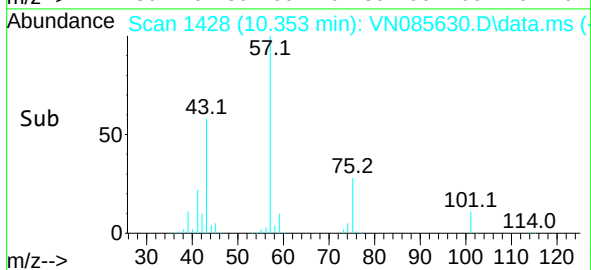
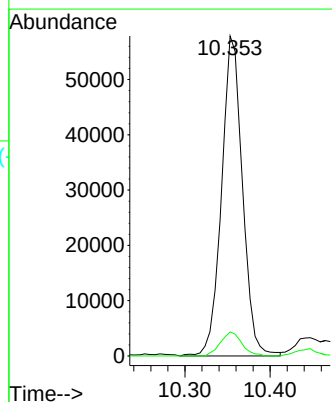
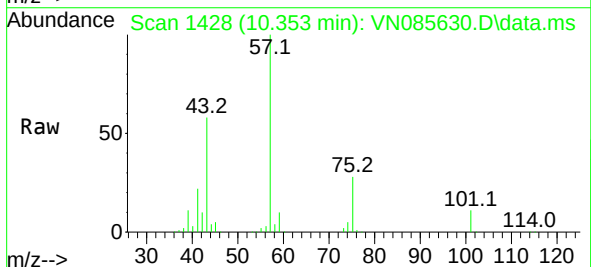
Instrument :
MSVOA_N
ClientSampleId :

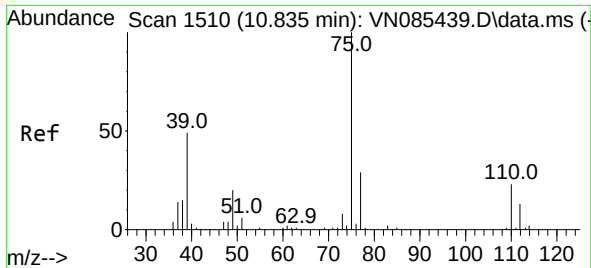
Tgt Ion: 98 Resp: 449452
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 31.014 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. -0.088 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Tgt Ion: 43 Resp: 98776
Ion Ratio Lower Upper
43 100
58 7.7 30.5 45.7#

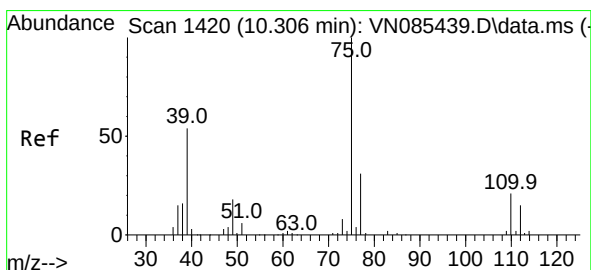
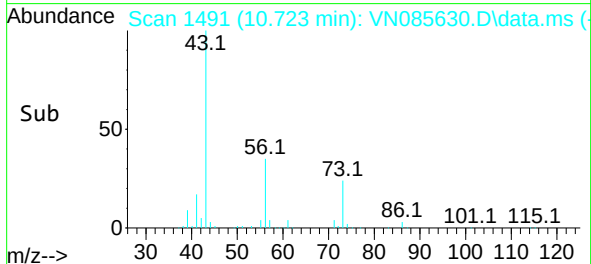
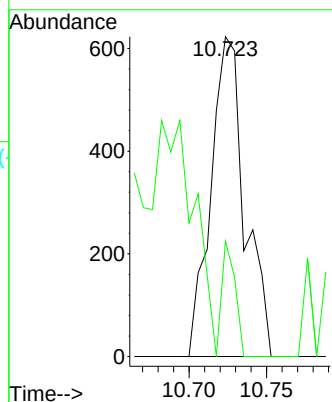
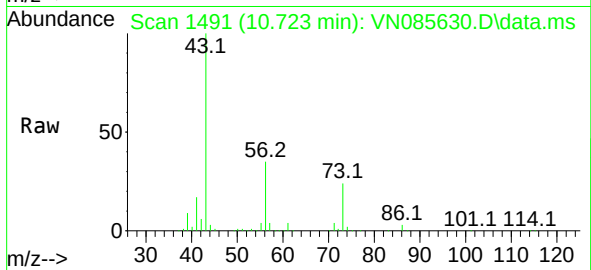




#53
 t-1,3-Dichloropropene
 Concen: 0.262 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085630.D
 Acq: 03 Feb 2025 18:25

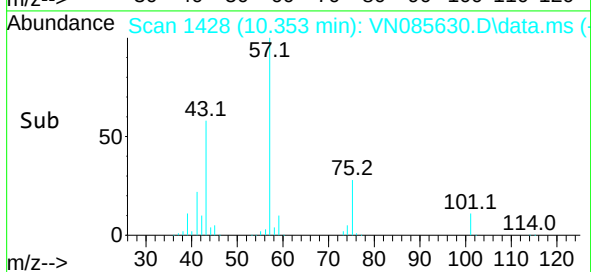
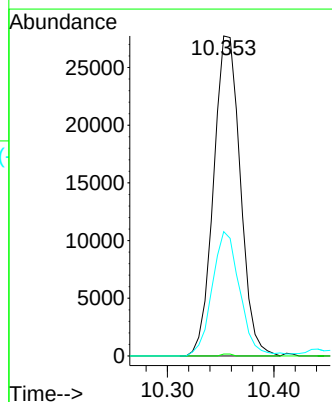
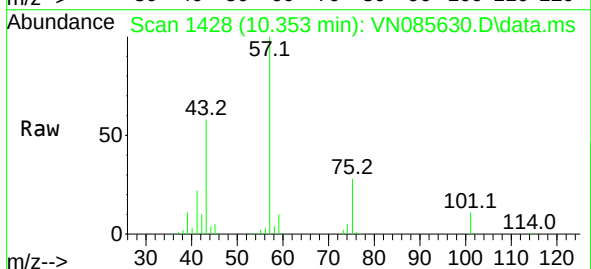
Instrument :
 MSVOA_N
 ClientSampleId :

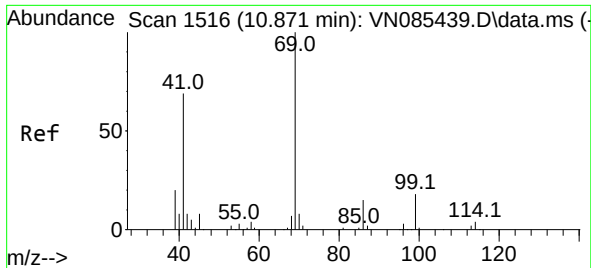
Tgt Ion: 75 Resp: 947
 Ion Ratio Lower Upper
 75 100
 77 36.1 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.488 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085630.D
 Acq: 03 Feb 2025 18:25

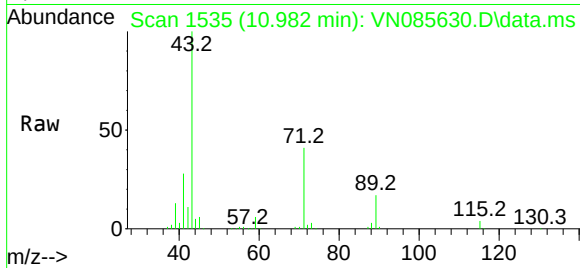
Tgt Ion: 75 Resp: 48262
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 38.8 43.1 64.7#



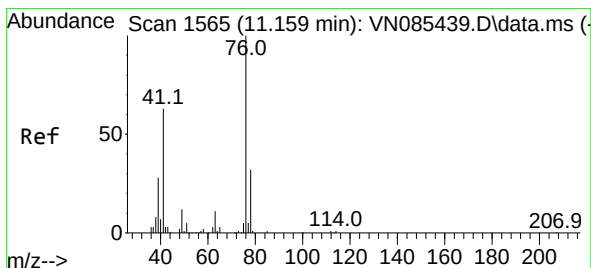
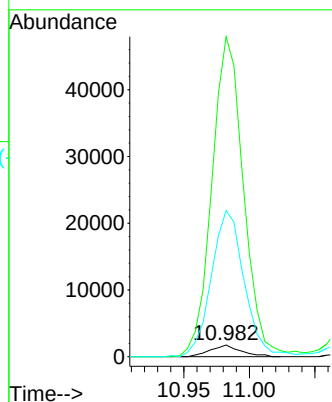
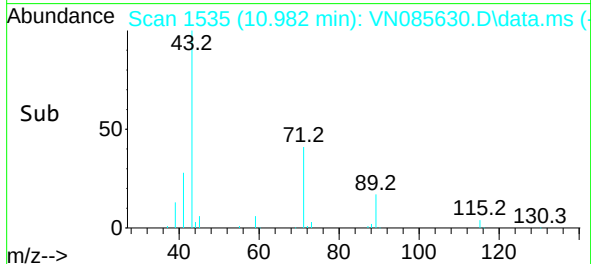


#56
Ethyl methacrylate
Concen: 2.620 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Instrument :
MSVOA_N
ClientSampleId :

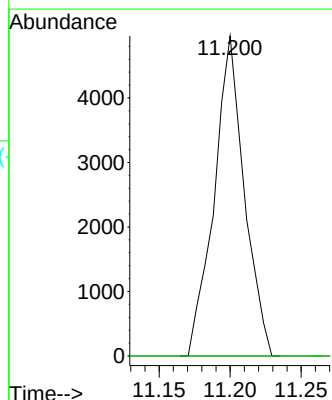
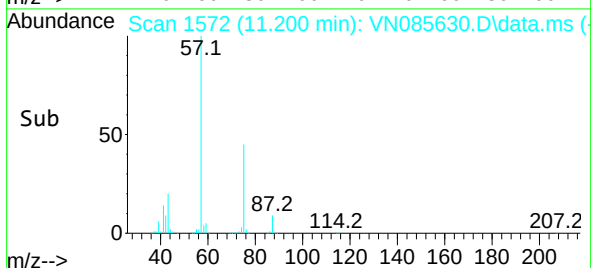
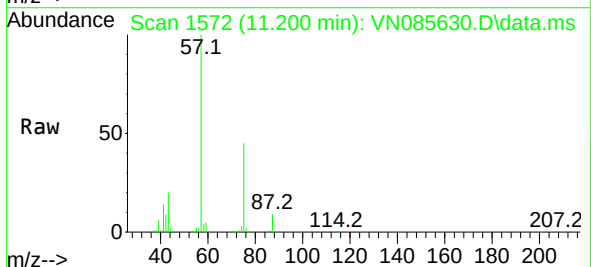


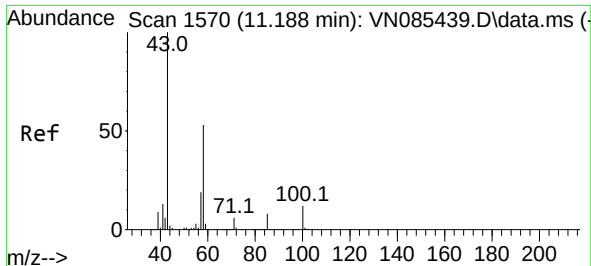
Tgt Ion: 69 Resp: 2824
Ion Ratio Lower Upper
69 100
41 2849.1 54.6 82.0#
39 1351.4 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.799 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Tgt Ion: 76 Resp: 7312
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

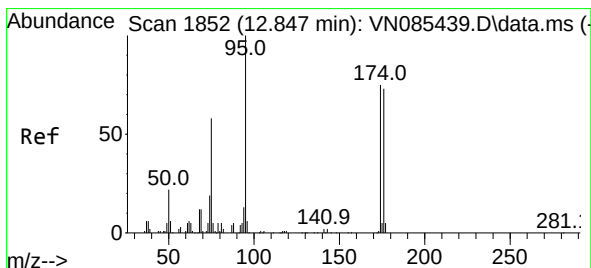
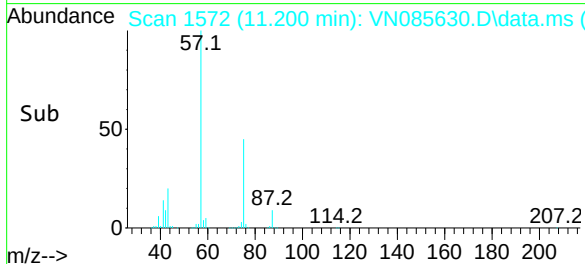
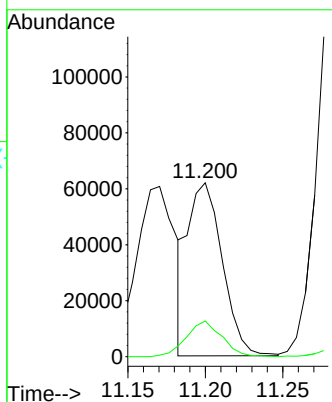
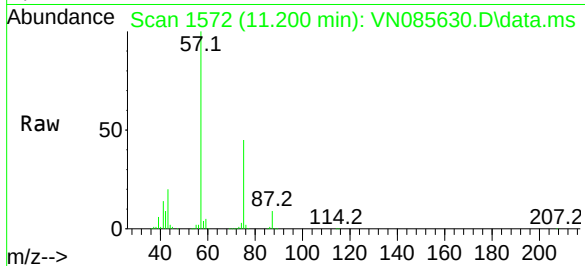




#59
2-Hexanone
Concen: 42.666 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

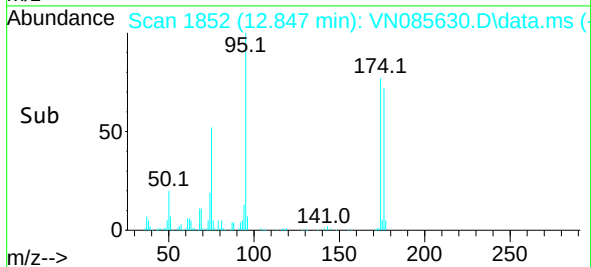
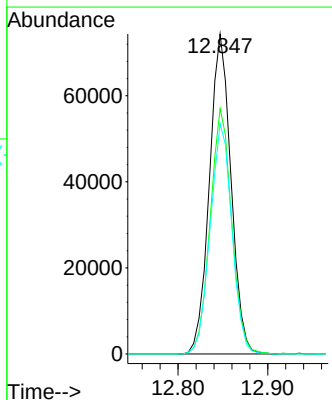
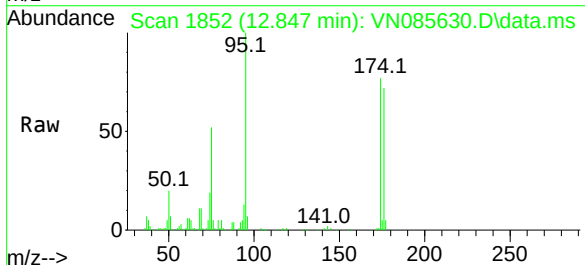
Instrument :
MSVOA_N
ClientSampleId :

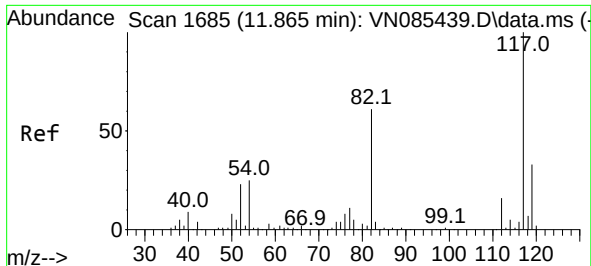
Tgt Ion: 43 Resp: 95614
Ion Ratio Lower Upper
43 100
58 21.4 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 42.157 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Tgt Ion: 95 Resp: 123889
Ion Ratio Lower Upper
95 100
174 76.9 0.0 145.0
176 72.4 0.0 142.4

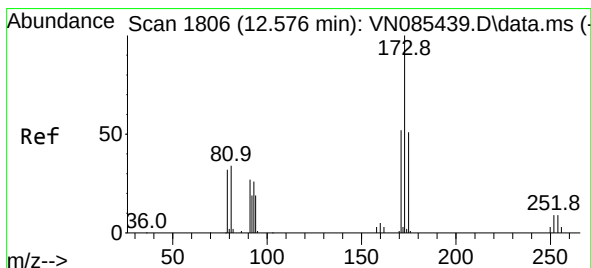
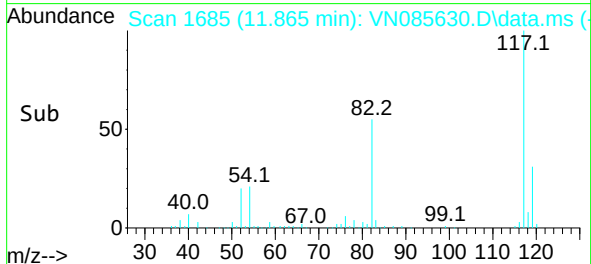
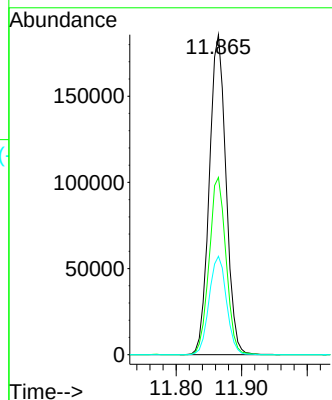
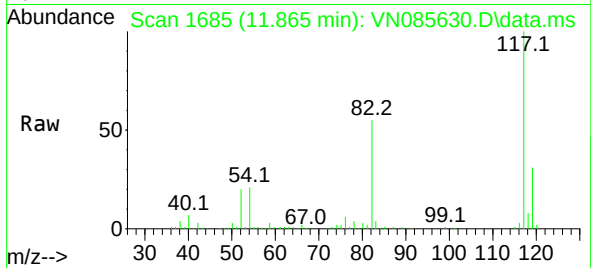




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

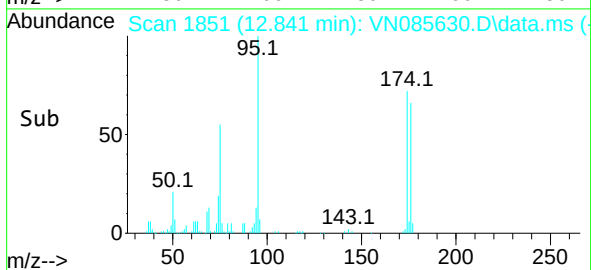
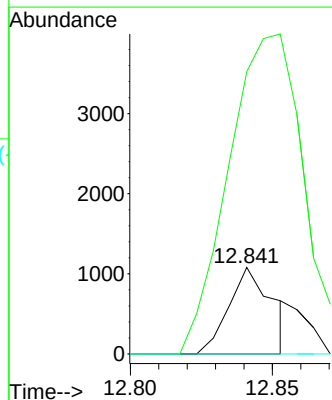
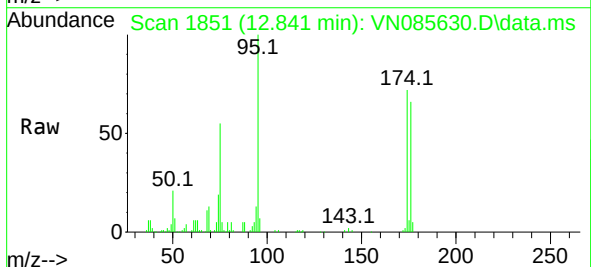
Instrument :
MSVOA_N
ClientSampleId :

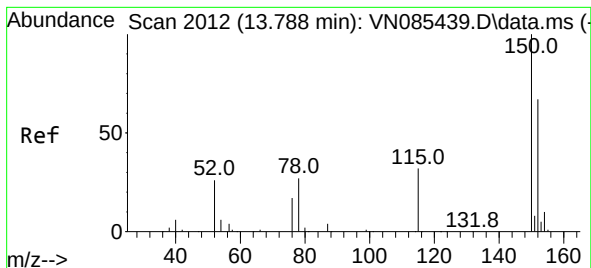
Tgt Ion:117 Resp: 329832
Ion Ratio Lower Upper
117 100
82 55.4 48.6 72.8
119 30.7 26.6 39.8



#71
Bromoform
Concen: 0.611 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Tgt Ion:173 Resp: 1159
Ion Ratio Lower Upper
173 100
175 0.0 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: VN085630.D

Acq: 03 Feb 2025 18:25

Instrument :

MSVOA_N

ClientSampleId :

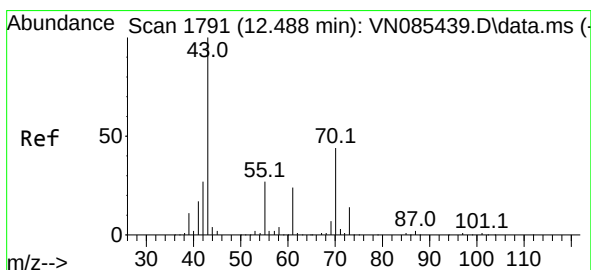
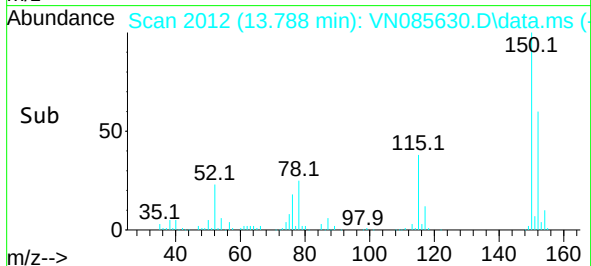
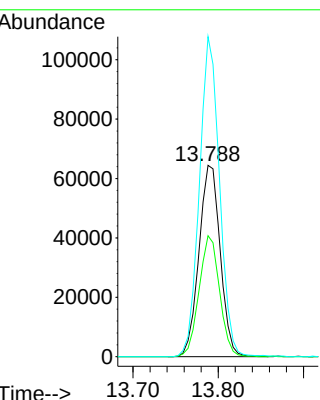
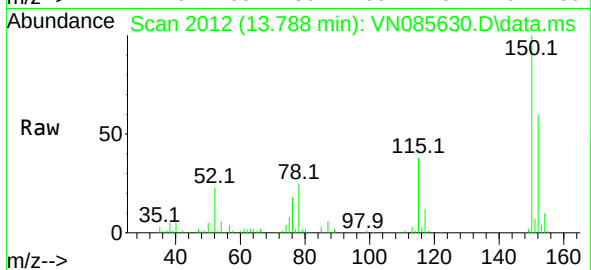
Tgt Ion:152 Resp: 111815

Ion Ratio Lower Upper

152 100

115 60.8 31.1 93.3

150 158.2 0.0 343.6



#74

N-ethyl acetate

Concen: 0.443 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VN085630.D

Acq: 03 Feb 2025 18:25

Tgt Ion: 43 Resp: 1502

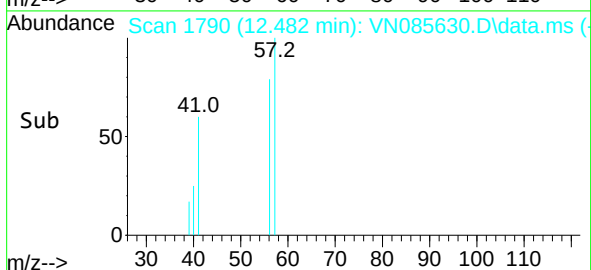
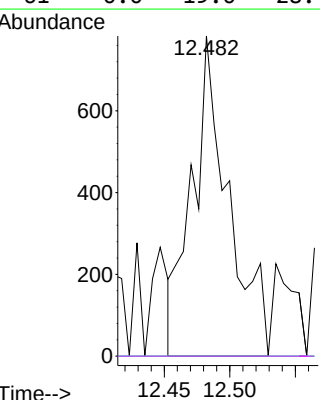
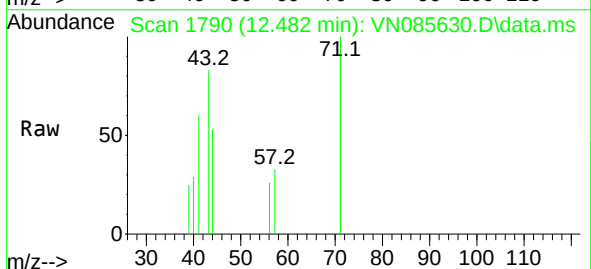
Ion Ratio Lower Upper

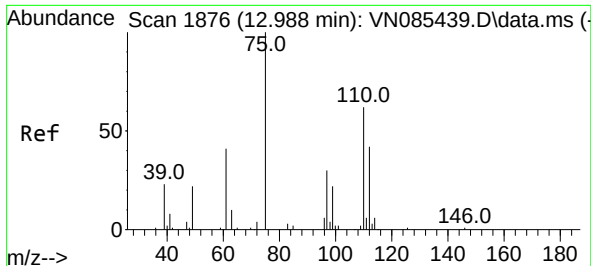
43 100

70 0.0 34.0 51.0#

55 0.0 21.4 32.2#

61 0.0 19.0 28.4#

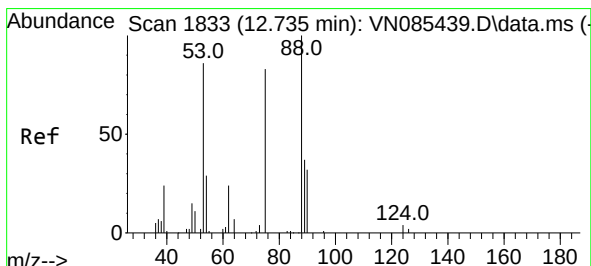
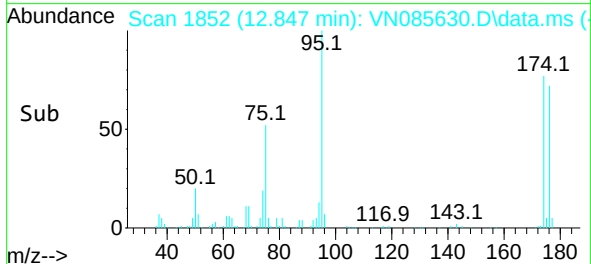
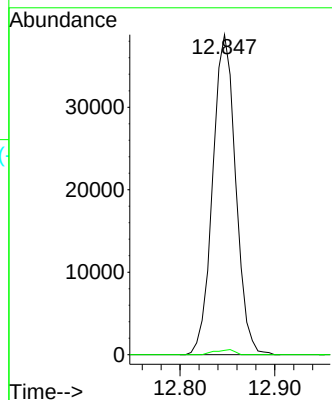
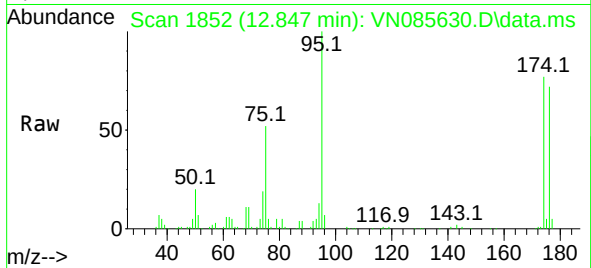




#76
1,2,3-Trichloropropane
Concen: 28.763 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 65369
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.821 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085630.D
Acq: 03 Feb 2025 18:25

Tgt Ion: 75 Resp: 65369
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#

