

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085710.D
 Acq On : 07 Feb 2025 20:42
 Operator : JC\MD
 Sample : Q1309-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 07 22:37:39 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

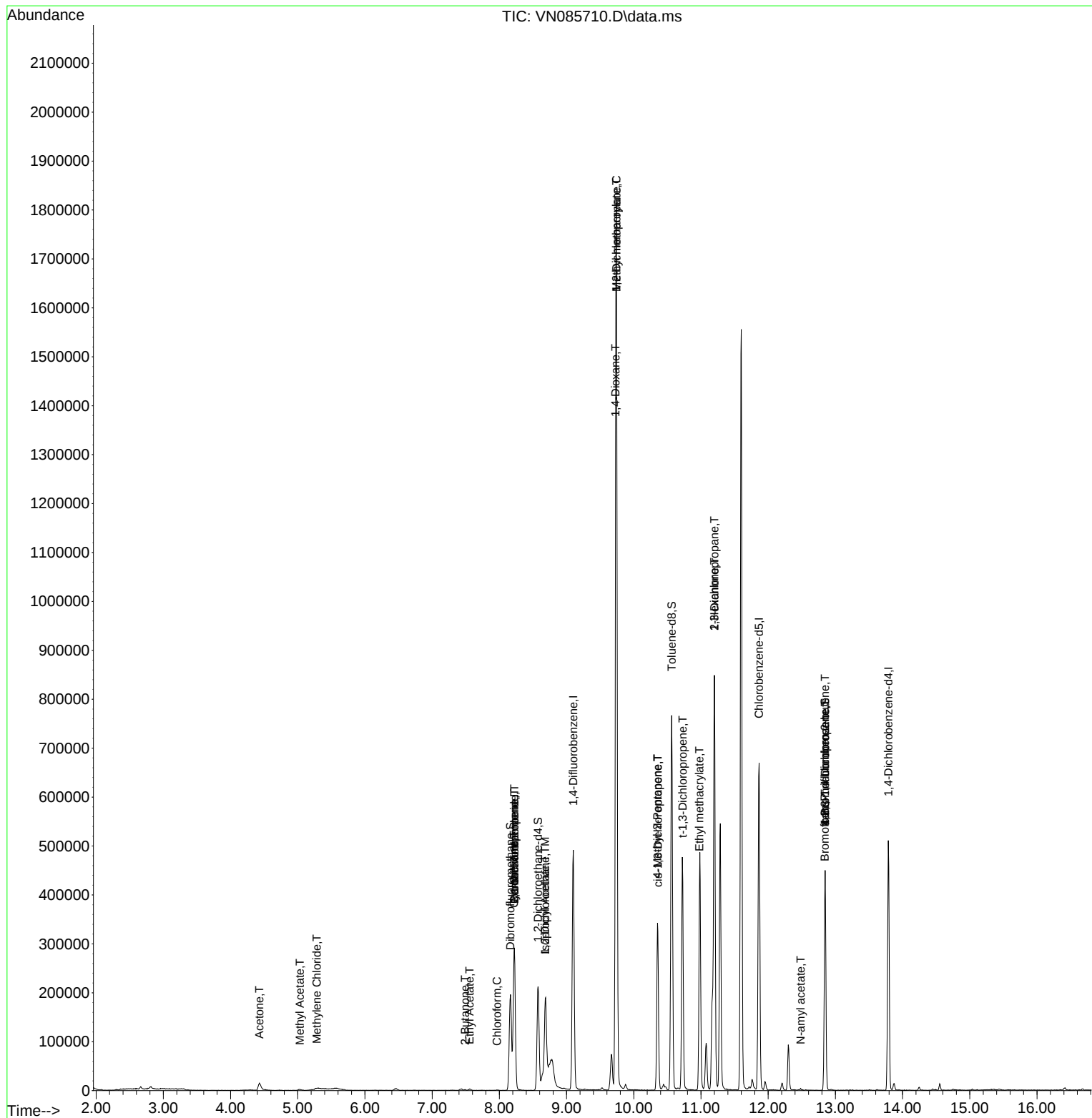
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	203397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	415792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	385376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	175340	53.404	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.800%	
35) Dibromofluoromethane	8.165	113	142487	49.396	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.800%	
50) Toluene-d8	10.565	98	533552	52.060	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.120%	
62) 4-Bromofluorobenzene	12.847	95	150777	43.007	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 86.020%	
Target Compounds						Qvalue
16) Acetone	4.430	43	27828	26.232	ug/l	94
18) Methyl Acetate	5.030	43	4269	1.323	ug/l #	73
20) Methylene Chloride	5.283	84	2076	0.790	ug/l #	78
25) 2-Butanone	7.489	43	2544	1.630	ug/l #	83
30) Chloroform	7.965	83	1065	0.215	ug/l	92
31) Cyclohexane	8.218	56	5396	1.295	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	17226	4.255	ug/l #	50
37) Ethyl Acetate	7.559	43	4443	1.087	ug/l #	86
38) Carbon Tetrachloride	8.224	117	22680	4.893	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	1188	0.259	ug/l #	76
43) Isopropyl Acetate	8.683	43	241255	36.846	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	2244	0.722	ug/l #	43
48) Methyl methacrylate	9.741	41	167437	56.823	ug/l #	45
49) 1,4-Dioxane	9.730	88	201	4.051	ug/l #	1
51) 4-Methyl-2-Pentanone	10.353	43	117807	31.006	ug/l #	50
53) t-1,3-Dichloropropene	10.729	75	1010	0.234	ug/l	93
54) cis-1,3-Dichloropropene	10.359	75	60070	13.028	ug/l #	62
56) Ethyl methacrylate	10.977	69	3087	2.563	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8660	1.786	ug/l #	43
59) 2-Hexanone	11.200	43	94579	35.377	ug/l #	61
71) Bromoform	12.841	173	972	0.438	ug/l #	1
74) N-amyl acetate	12.482	43	1459	0.359	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	78849	28.921	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78849	78.248	ug/l #	3

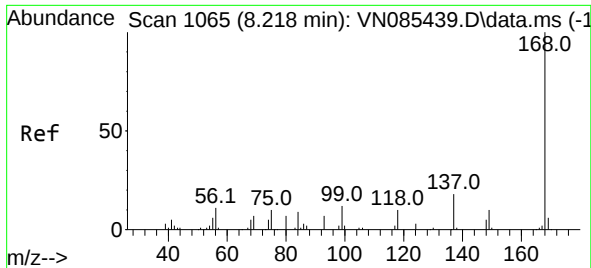
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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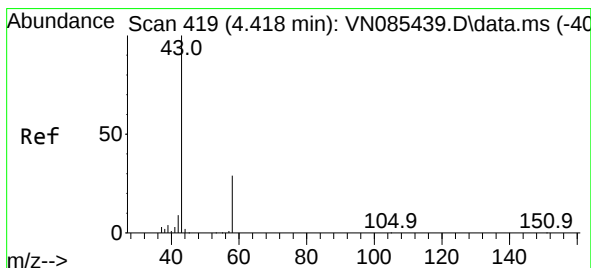
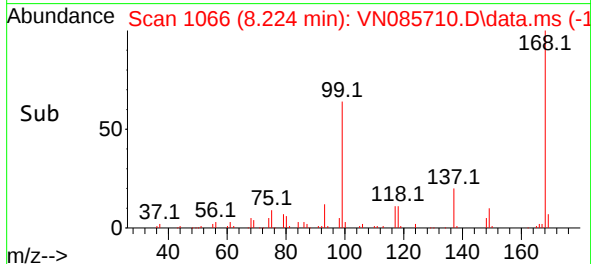
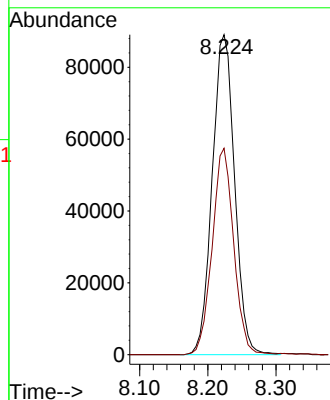
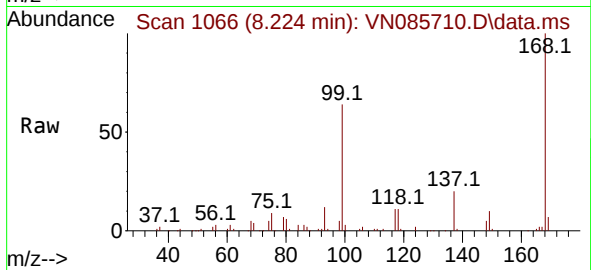




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

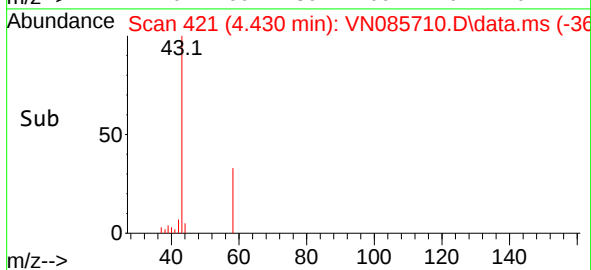
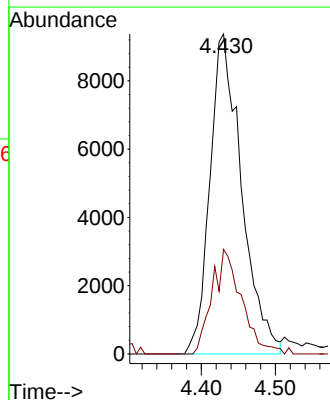
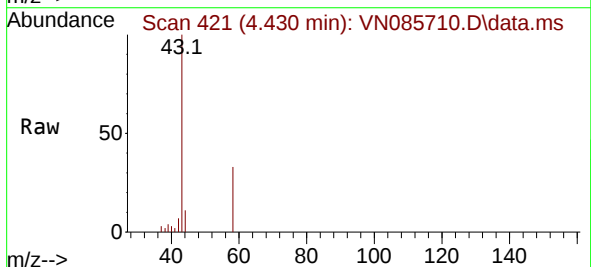
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 203397
Ion Ratio Lower Upper
168 100
99 64.5 53.6 80.4



#16
Acetone
Concen: 26.232 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

Tgt Ion: 43 Resp: 27828
Ion Ratio Lower Upper
43 100
58 32.7 23.8 35.6

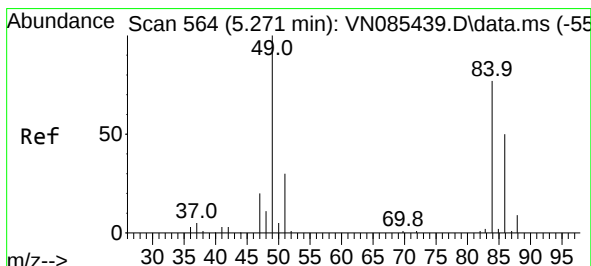
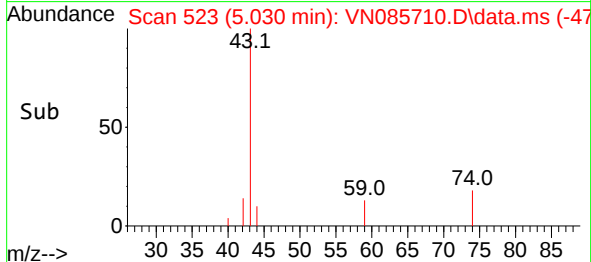
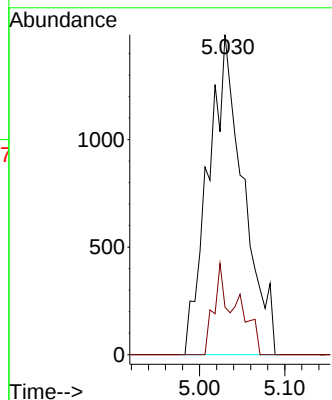
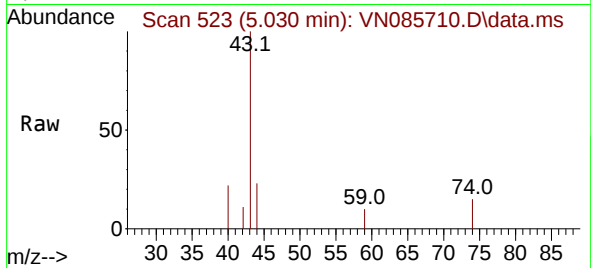




#18
Methyl Acetate
Concen: 1.323 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

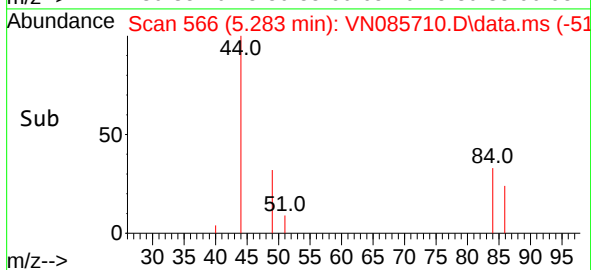
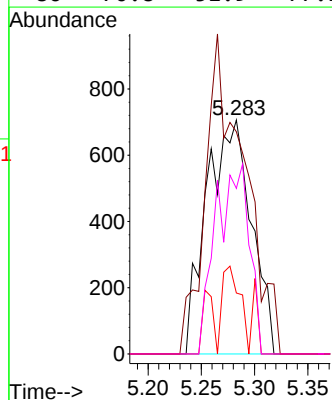
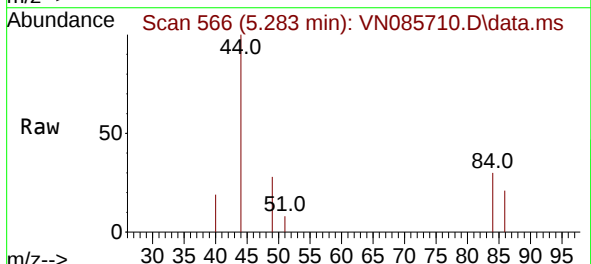
Instrument :
MSVOA_N
ClientSampleId :

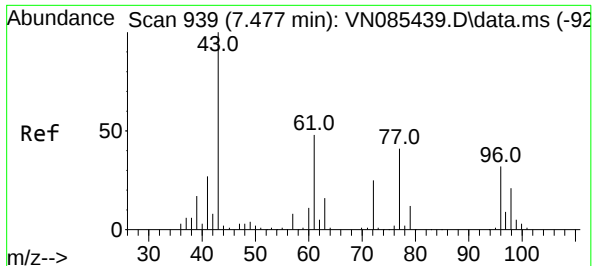
Tgt Ion: 43 Resp: 4269
Ion Ratio Lower Upper
43 100
74 10.2 18.6 28.0#



#20
Methylene Chloride
Concen: 0.790 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

Tgt Ion: 84 Resp: 2076
Ion Ratio Lower Upper
84 100
49 95.0 104.1 156.1#
51 26.1 31.0 46.4#
86 70.8 51.9 77.9





#25

2-Butanone

Concen: 1.630 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN085710.D

Acq: 07 Feb 2025 20:42

Instrument :

MSVOA_N

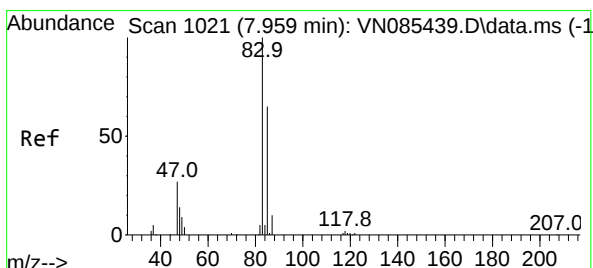
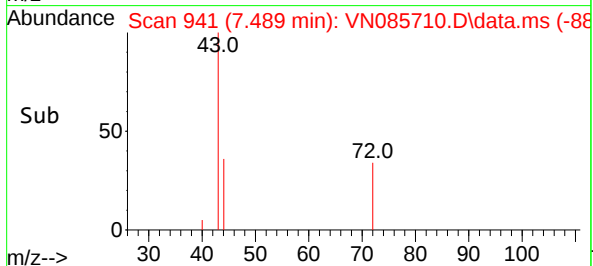
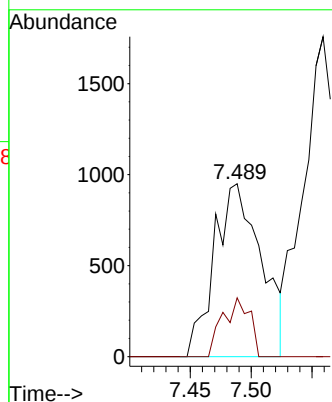
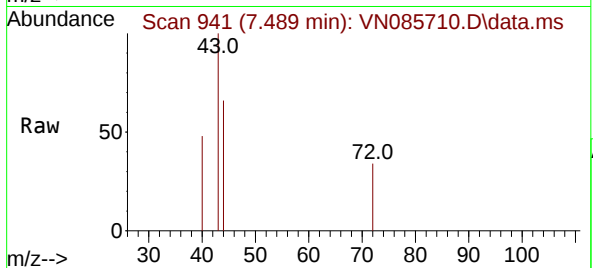
ClientSampleId :

Tgt Ion: 43 Resp: 2544

Ion Ratio Lower Upper

43 100

72 34.0 20.2 30.4#



#30

Chloroform

Concen: 0.215 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085710.D

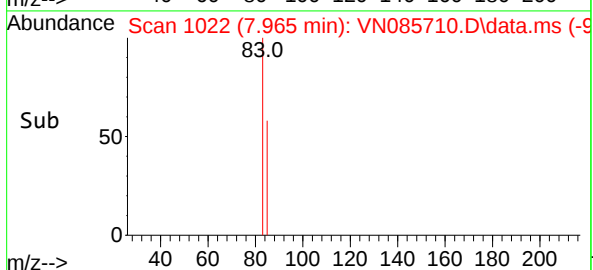
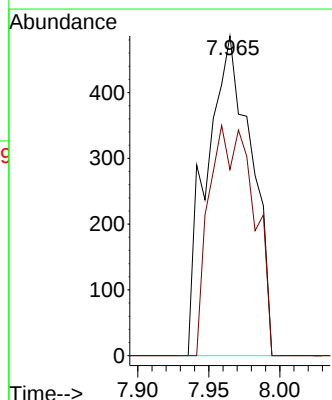
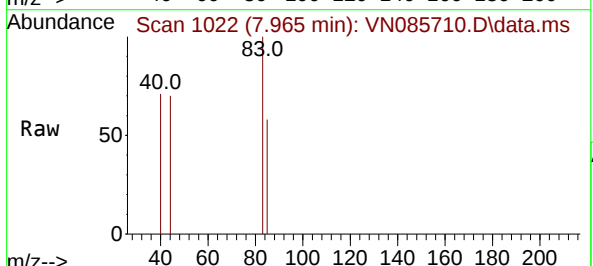
Acq: 07 Feb 2025 20:42

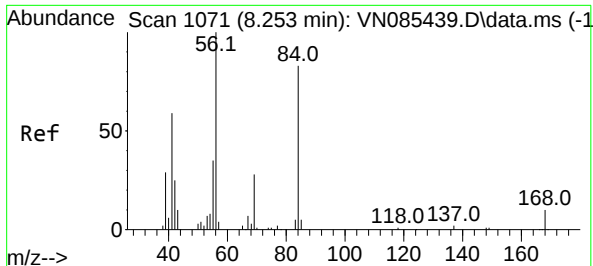
Tgt Ion: 83 Resp: 1065

Ion Ratio Lower Upper

83 100

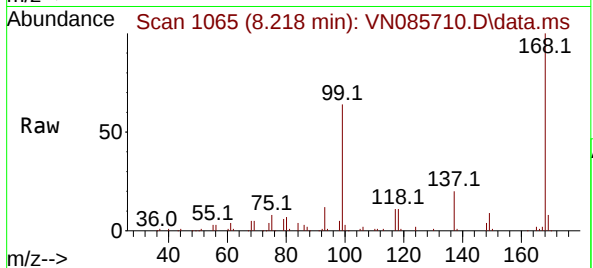
85 58.2 51.8 77.6



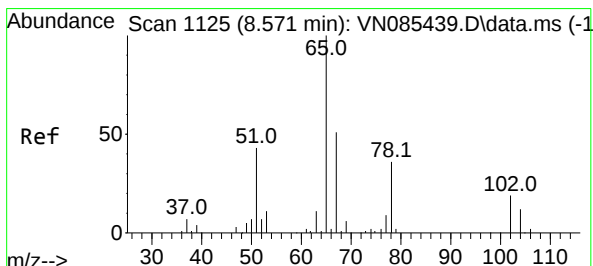
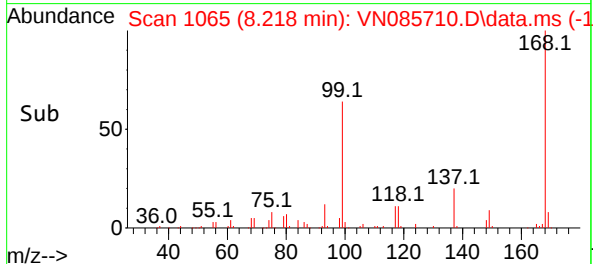
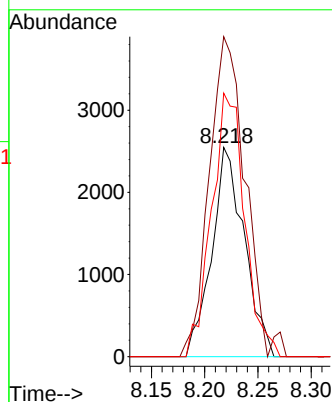


#31
Cyclohexane
Concen: 1.295 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

Instrument :
MSVOA_N
ClientSampleId :

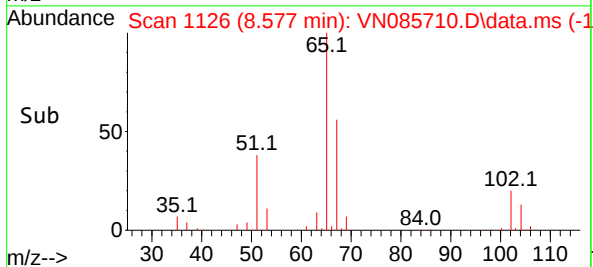
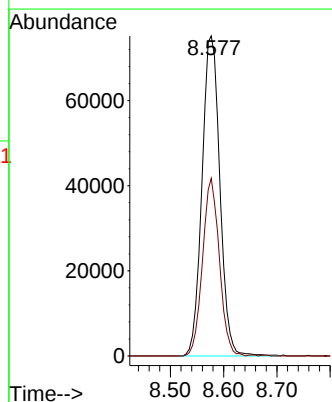
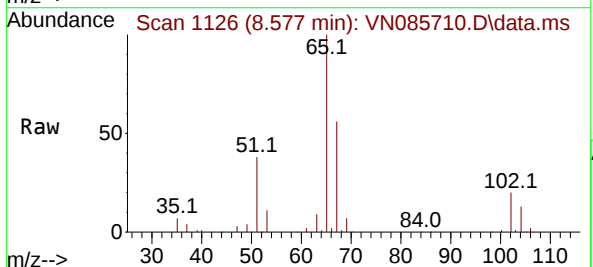


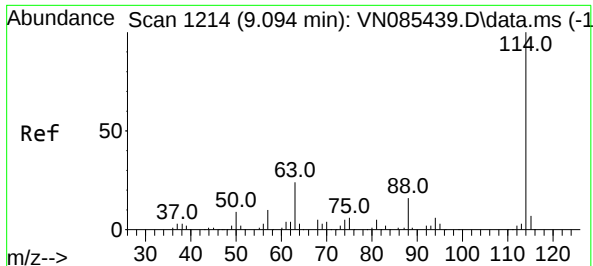
Tgt Ion: 56 Resp: 5396
Ion Ratio Lower Upper
56 100
69 152.9 22.2 33.4#
84 126.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.404 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

Tgt Ion: 65 Resp: 175340
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN085710.D

Acq: 07 Feb 2025 20:42

Instrument :

MSVOA_N

ClientSampleId :

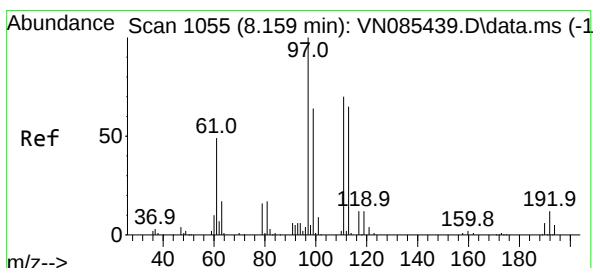
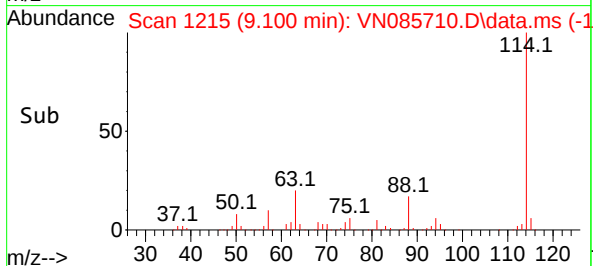
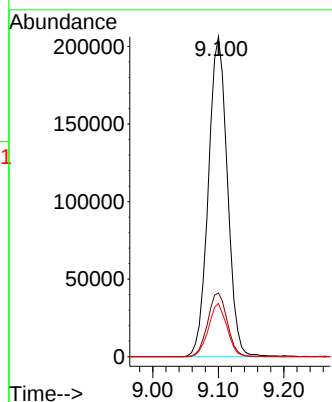
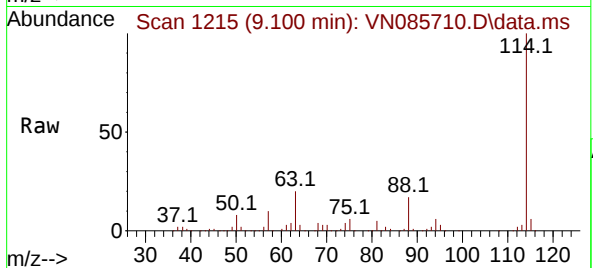
Tgt Ion:114 Resp: 415792

Ion Ratio Lower Upper

114 100

63 19.9 0.0 47.6

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.396 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085710.D

Acq: 07 Feb 2025 20:42

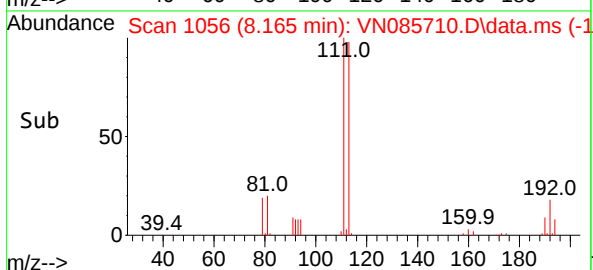
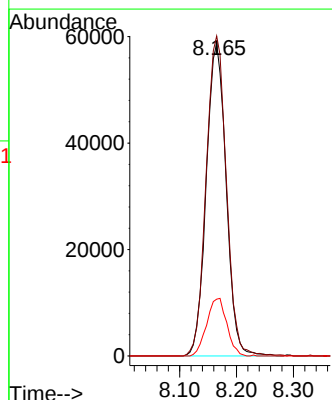
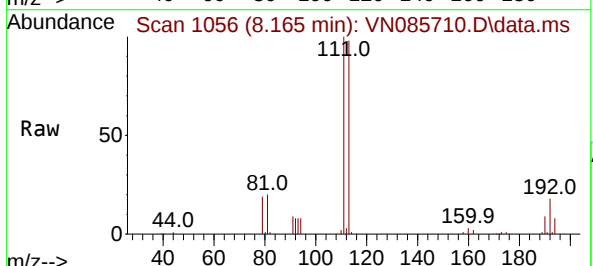
Tgt Ion:113 Resp: 142487

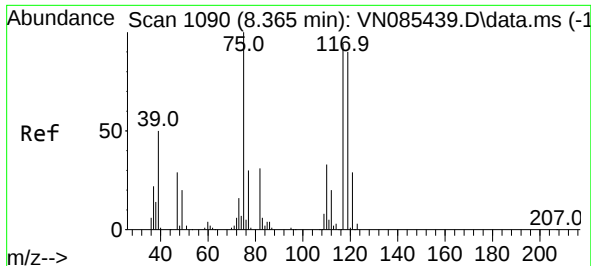
Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

192 18.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.255 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

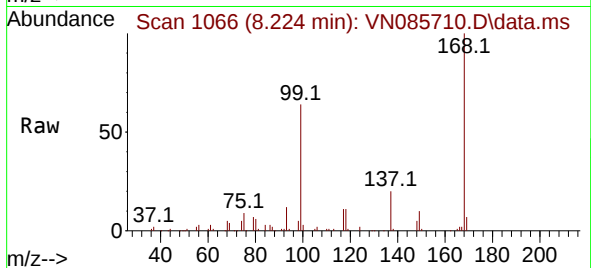
Lab File: VN085710.D

Acq: 07 Feb 2025 20:42

Instrument :

MSVOA_N

ClientSampleId :



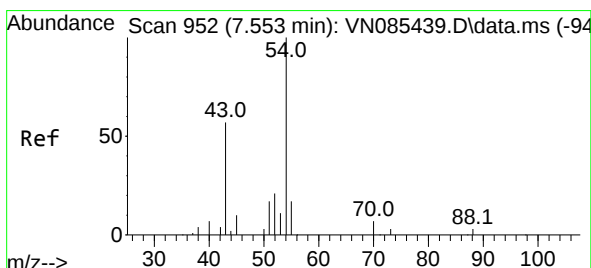
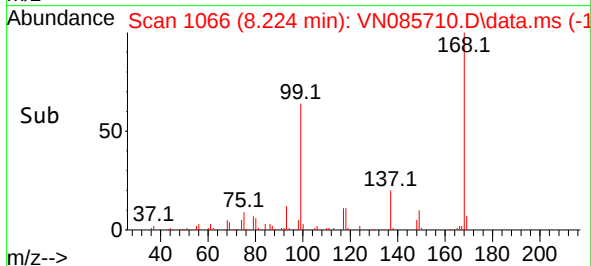
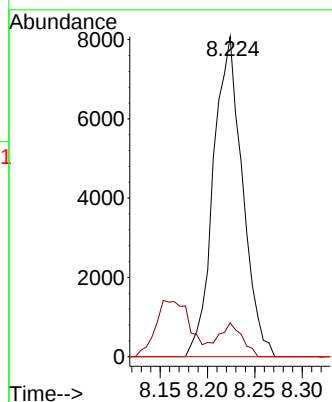
Tgt Ion: 75 Resp: 17226

Ion Ratio Lower Upper

75 100

110 7.7 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.087 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085710.D

Acq: 07 Feb 2025 20:42

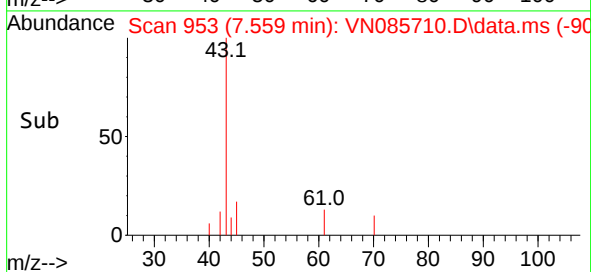
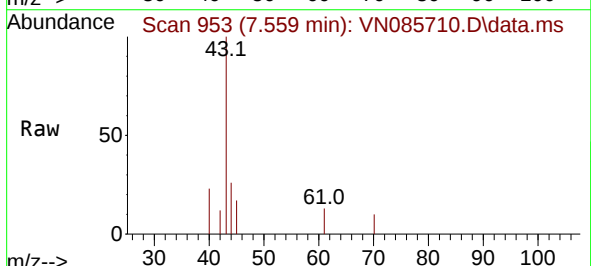
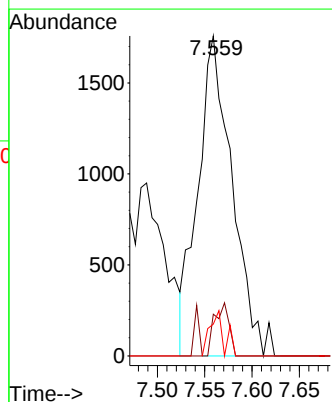
Tgt Ion: 43 Resp: 4443

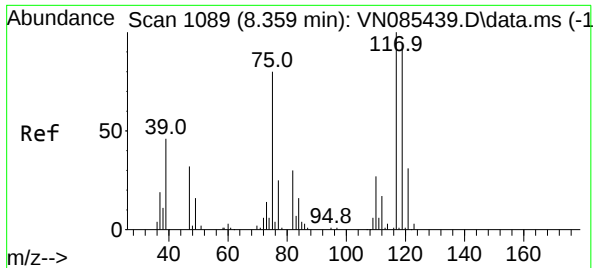
Ion Ratio Lower Upper

43 100

61 7.0 10.9 16.3#

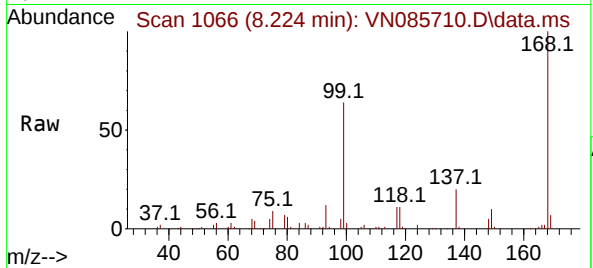
70 5.9 7.5 11.3#



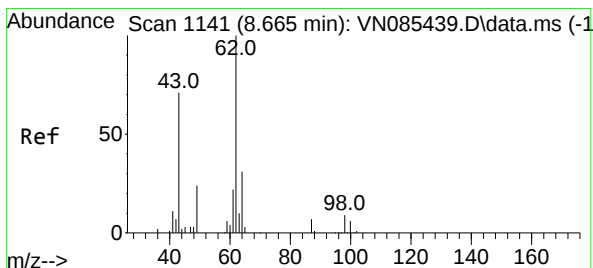
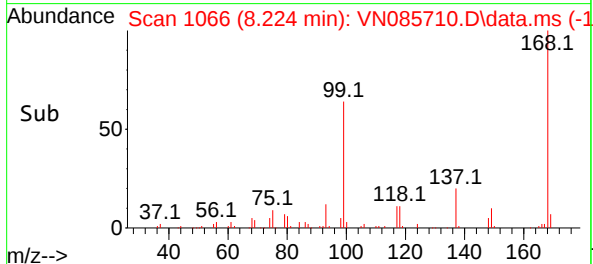
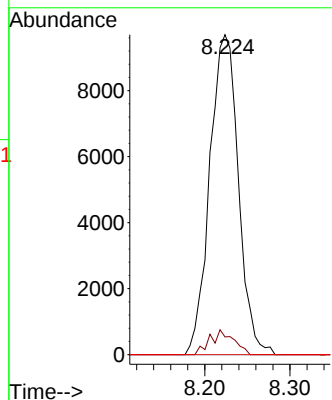


#38
Carbon Tetrachloride
Concen: 4.893 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

Instrument :
MSVOA_N
ClientSampleId :

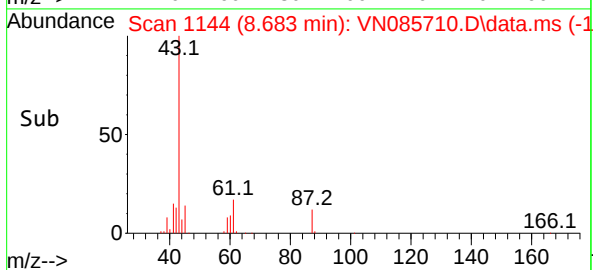
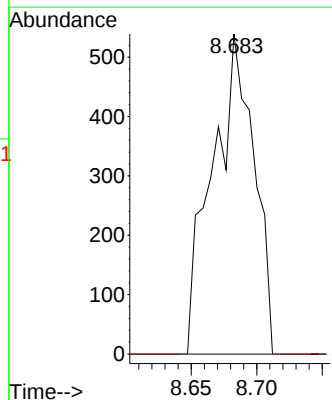
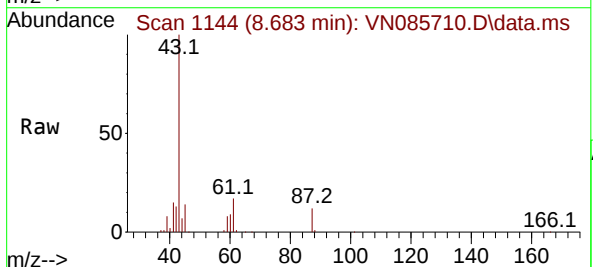


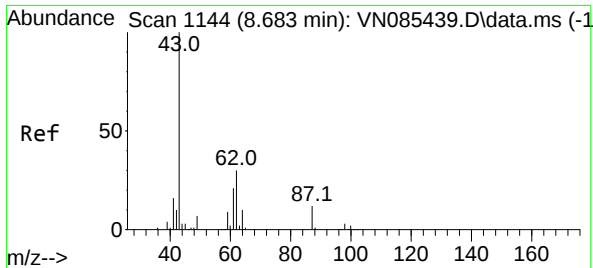
Tgt Ion:117 Resp: 22680
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.259 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.018 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

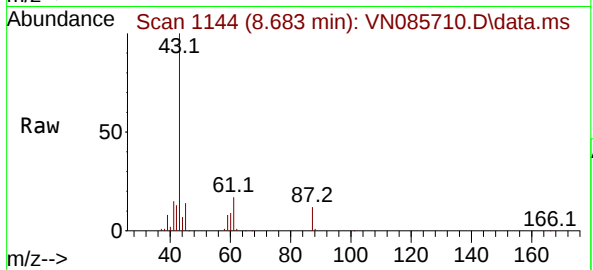
Tgt Ion: 62 Resp: 1188
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0



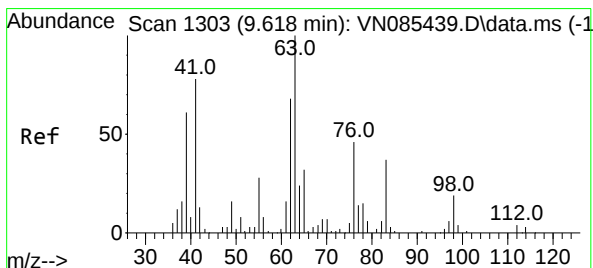
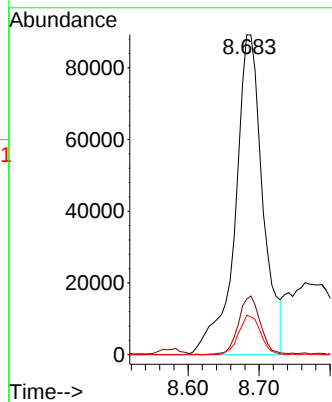
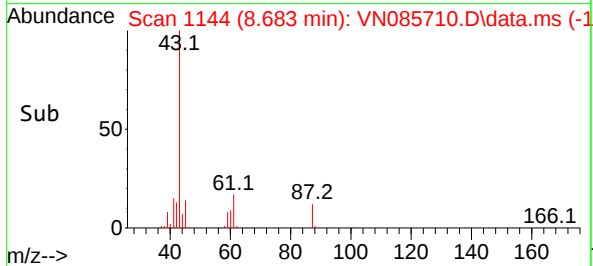


#43
Isopropyl Acetate
Concen: 36.846 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

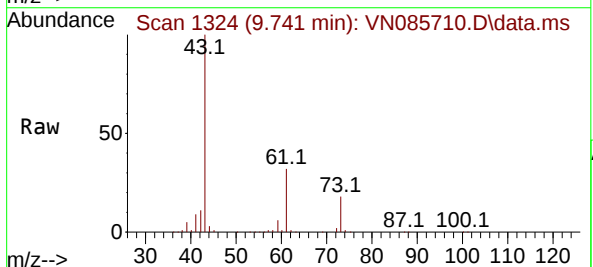
Instrument :
MSVOA_N
ClientSampleId :



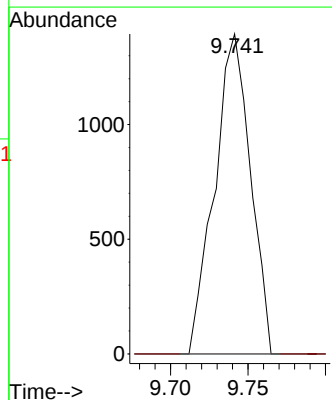
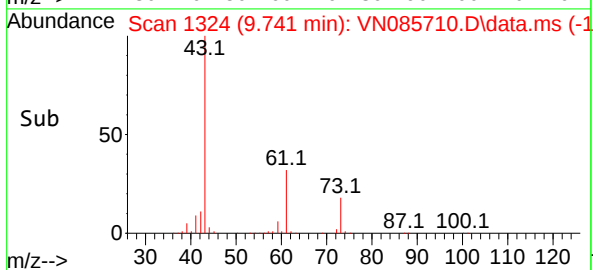
Tgt Ion: 43 Resp: 241255
Ion Ratio Lower Upper
43 100
61 14.7 20.7 31.1#
87 9.7 9.8 14.8#

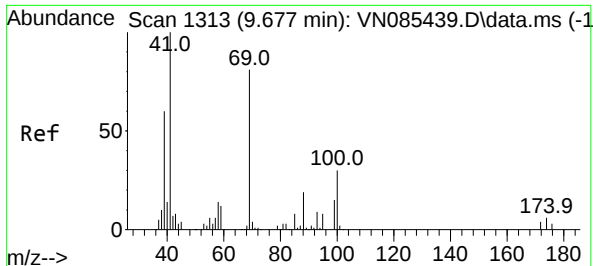


#45
1,2-Dichloropropane
Concen: 0.722 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42



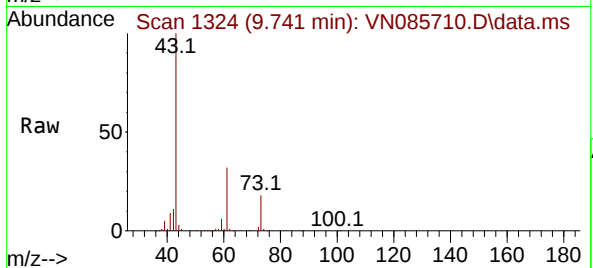
Tgt Ion: 63 Resp: 2244
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



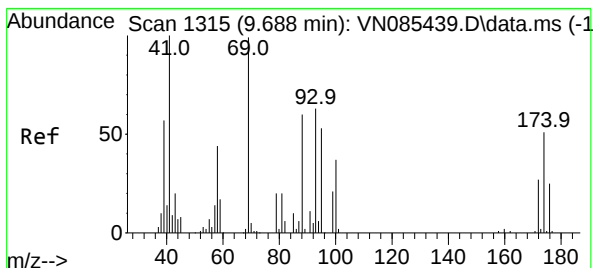
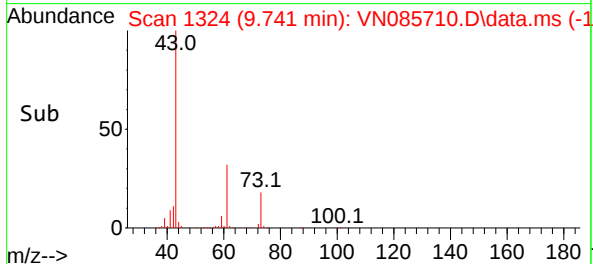
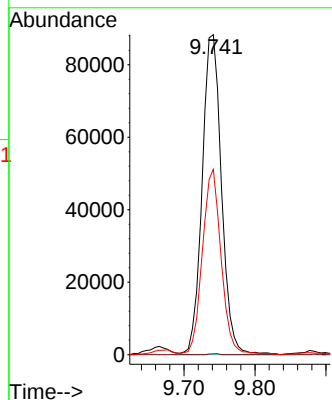


#48
Methyl methacrylate
Concen: 56.823 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.064 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

Instrument :
MSVOA_N
ClientSampleId :

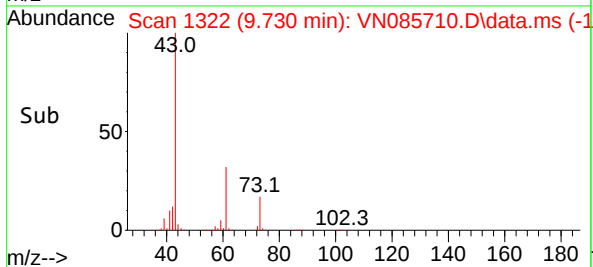
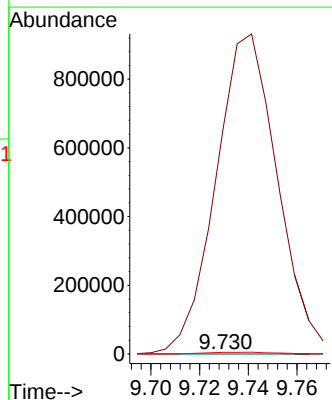
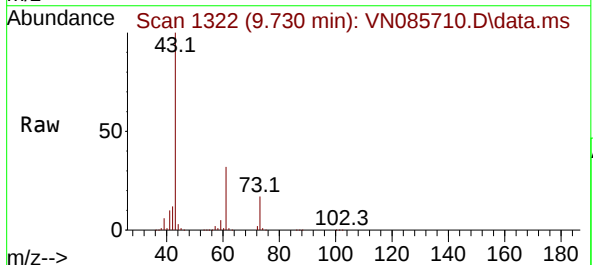


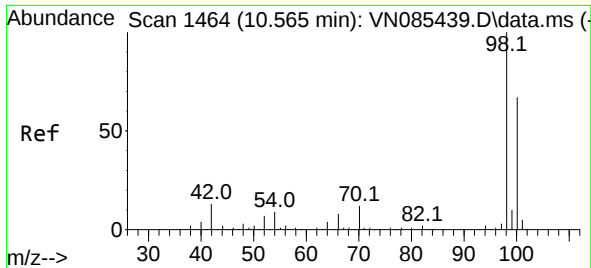
Tgt Ion: 41 Resp: 167437
Ion Ratio Lower Upper
41 100
69 0.1 64.7 97.1#
39 56.3 49.0 73.6



#49
1,4-Dioxane
Concen: 4.051 ug/l
RT: 9.730 min Scan# 1322
Delta R.T. 0.041 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

Tgt Ion: 88 Resp: 201
Ion Ratio Lower Upper
88 100
43 821678.6 26.6 39.8#
58 5024.4 59.5 89.3#

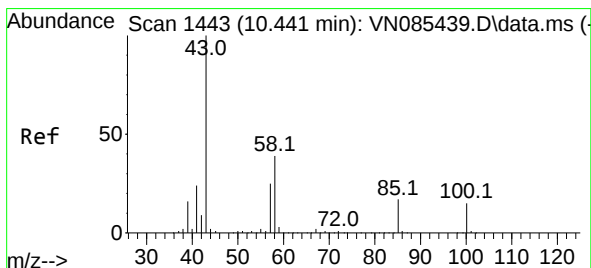
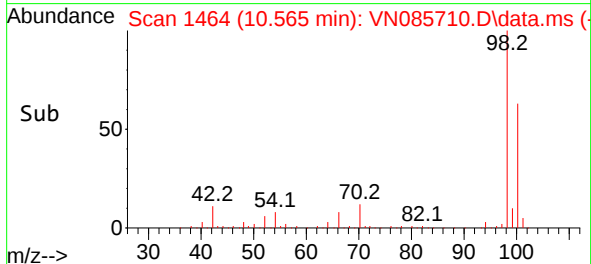
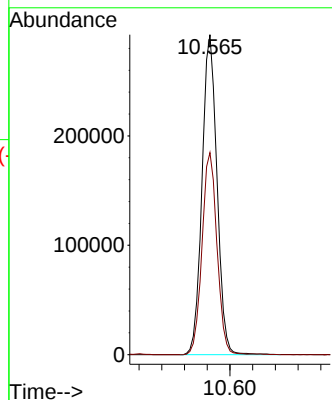
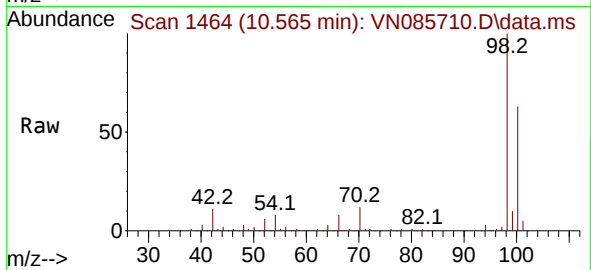




#50
Toluene-d8
Concen: 52.060 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

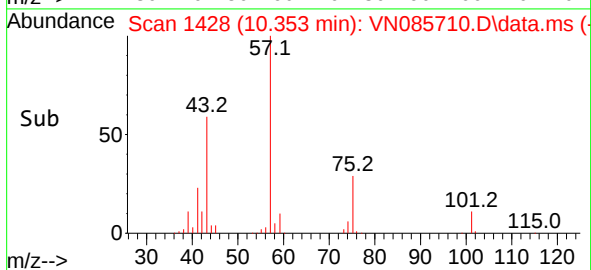
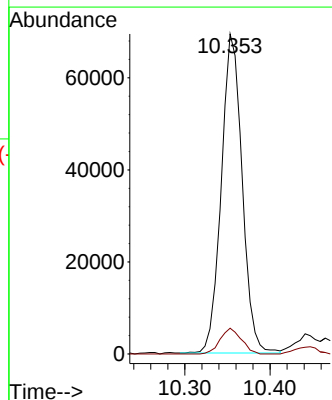
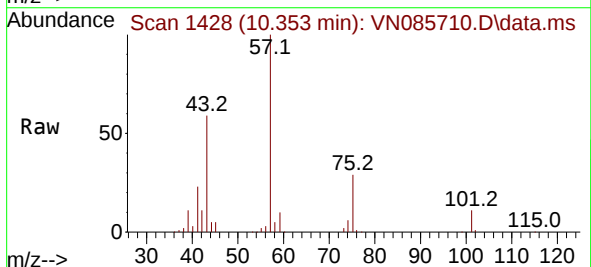
Instrument :
MSVOA_N
ClientSampleId :

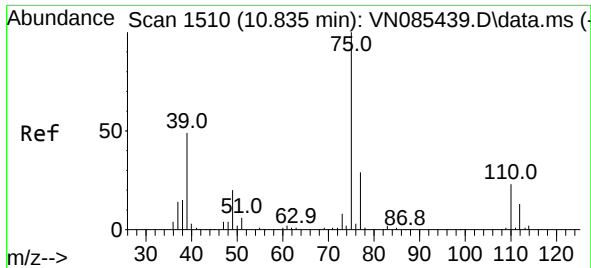
Tgt Ion: 98 Resp: 533552
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 31.006 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. -0.088 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

Tgt Ion: 43 Resp: 117807
Ion Ratio Lower Upper
43 100
58 8.2 30.5 45.7#

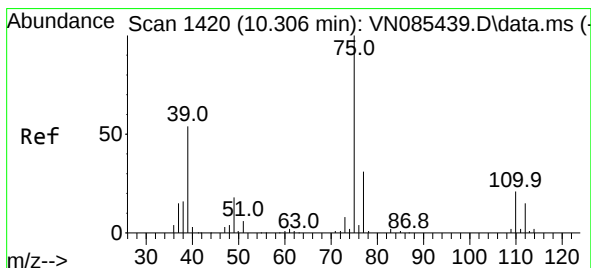
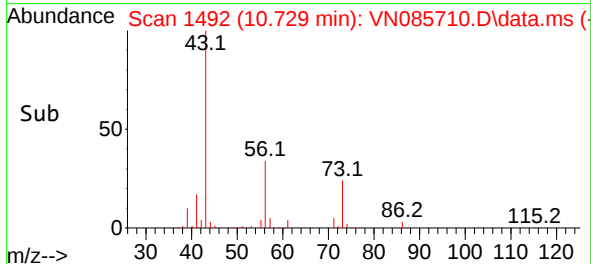
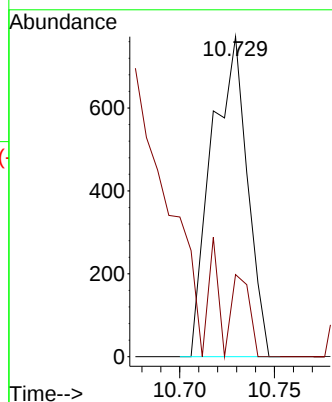
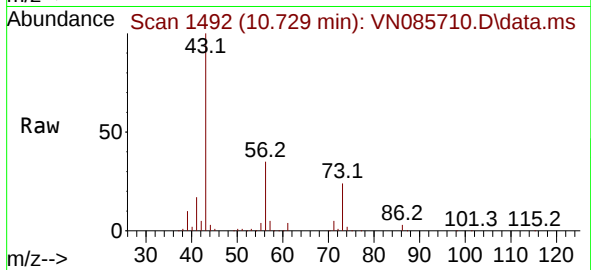




#53
 t-1,3-Dichloropropene
 Concen: 0.234 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN085710.D
 Acq: 07 Feb 2025 20:42

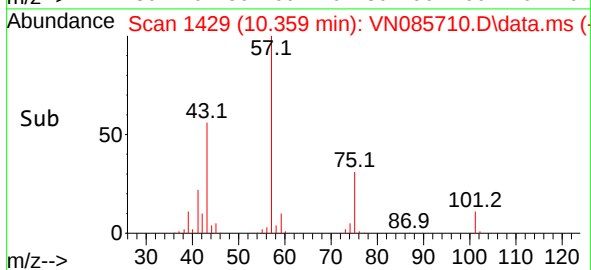
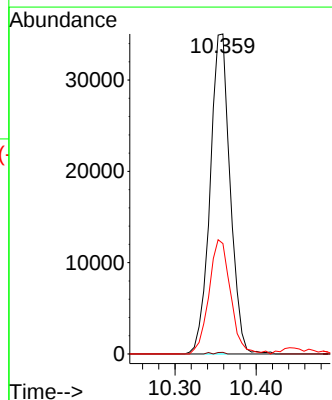
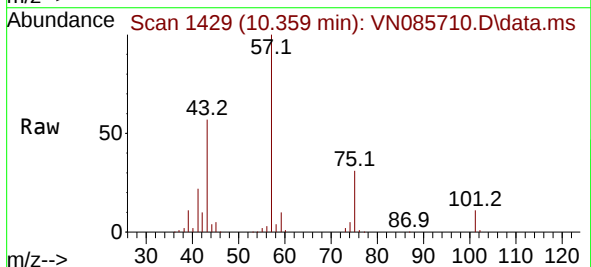
Instrument :
 MSVOA_N
 ClientSampleId :

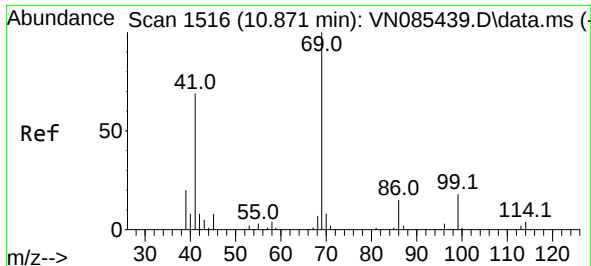
Tgt Ion: 75 Resp: 1010
 Ion Ratio Lower Upper
 75 100
 77 25.6 23.5 35.3



#54
 cis-1,3-Dichloropropene
 Concen: 13.028 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085710.D
 Acq: 07 Feb 2025 20:42

Tgt Ion: 75 Resp: 60070
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 34.5 43.1 64.7#

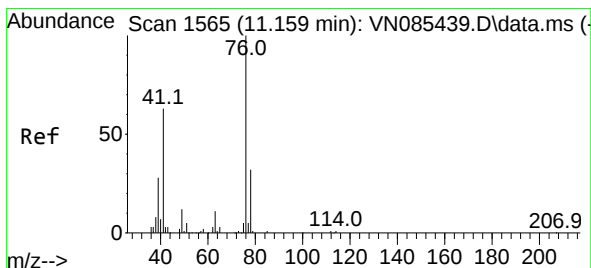
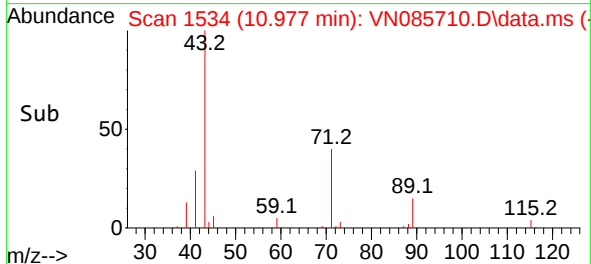
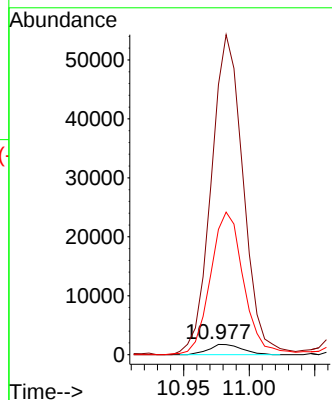
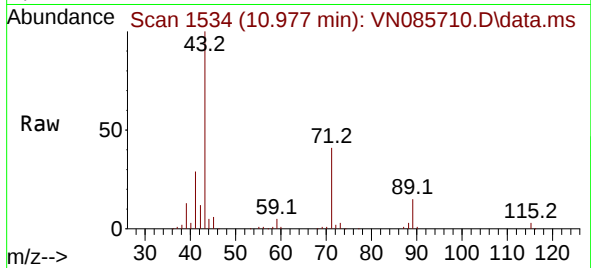




#56
Ethyl methacrylate
Concen: 2.563 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

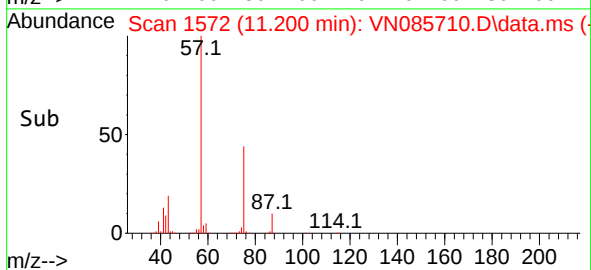
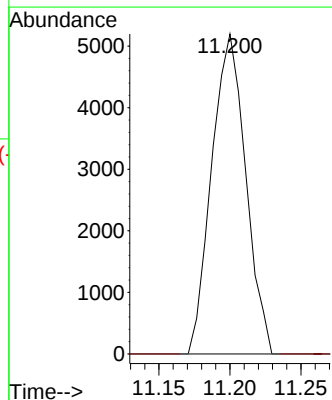
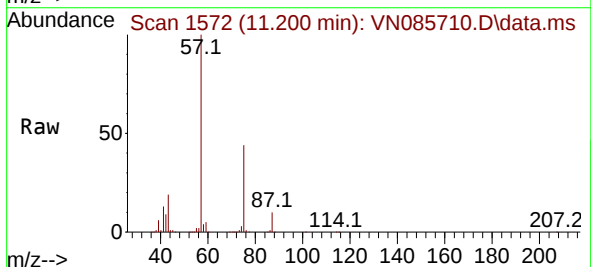
Instrument :
MSVOA_N
ClientSampleId :

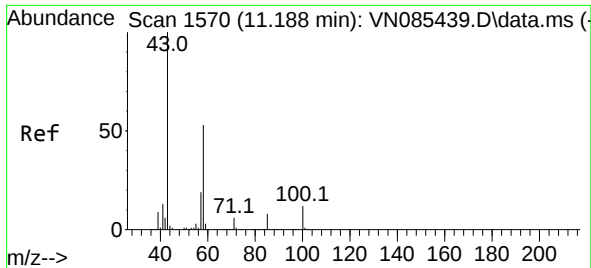
Tgt Ion: 69 Resp: 3087
Ion Ratio Lower Upper
69 100
41 2984.3 54.6 82.0#
39 1375.4 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.786 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

Tgt Ion: 76 Resp: 8660
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

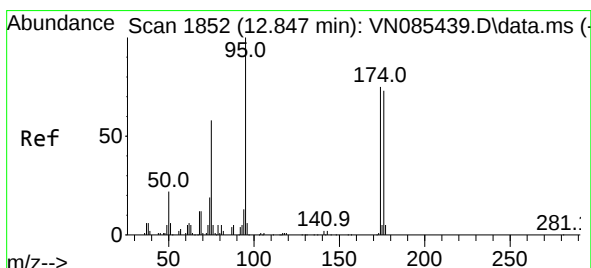
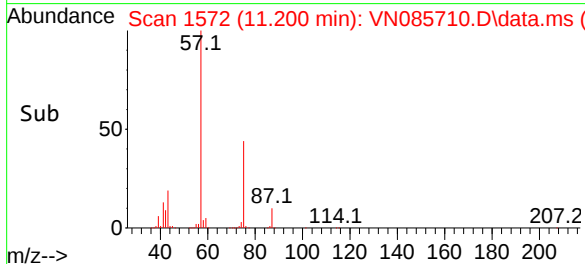
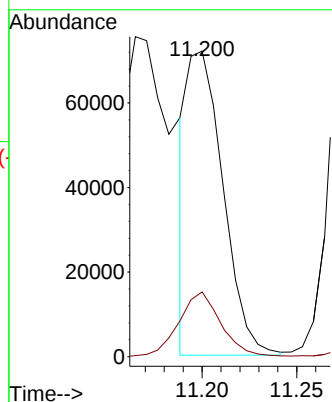
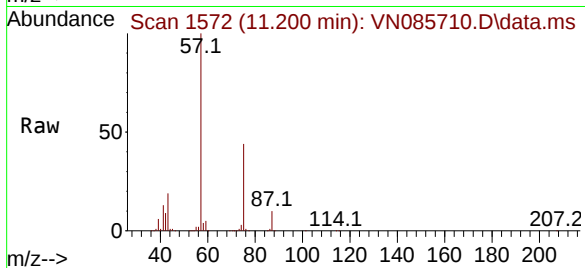




#59
2-Hexanone
Concen: 35.377 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

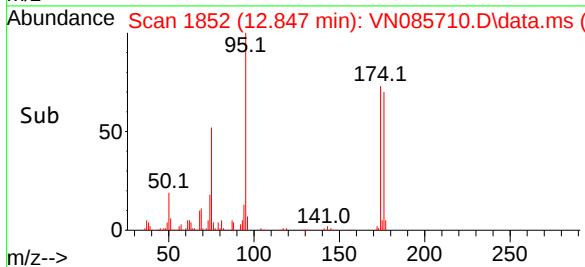
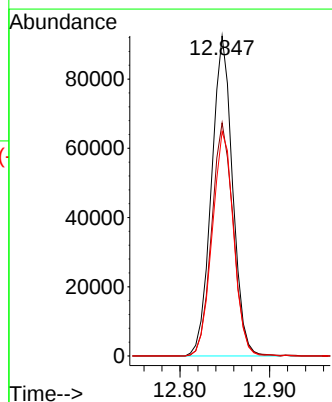
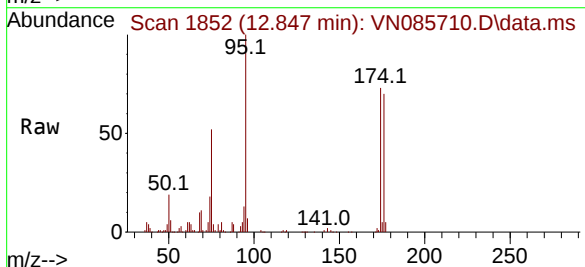
Instrument :
MSVOA_N
ClientSampleId :

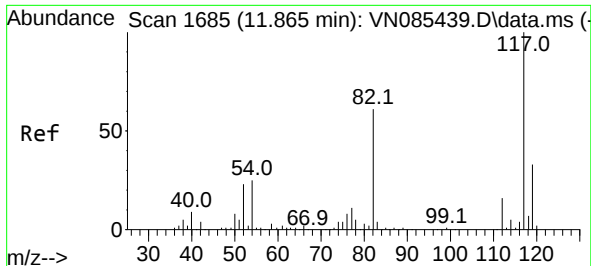
Tgt Ion: 43 Resp: 94579
Ion Ratio Lower Upper
43 100
58 25.2 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 43.007 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

Tgt Ion: 95 Resp: 150777
Ion Ratio Lower Upper
95 100
174 74.6 0.0 145.0
176 71.3 0.0 142.4

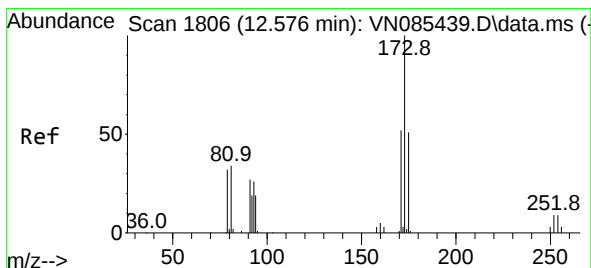
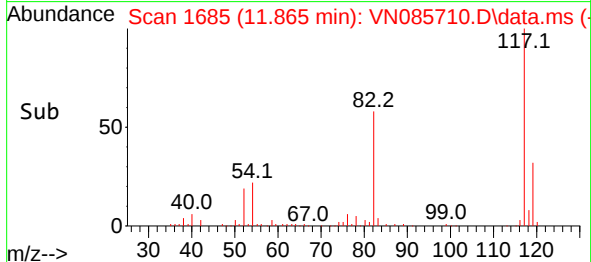
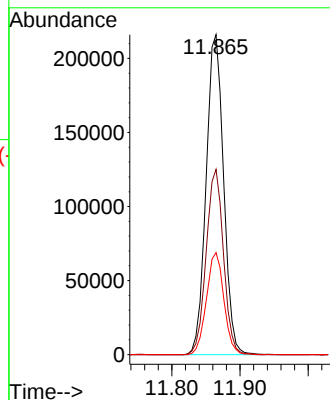
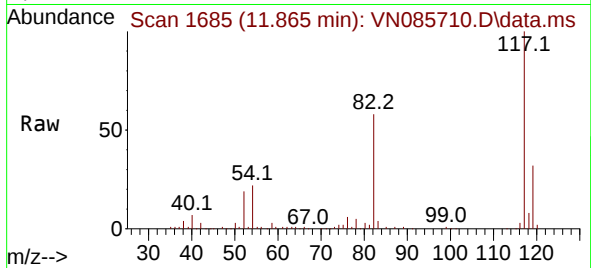




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

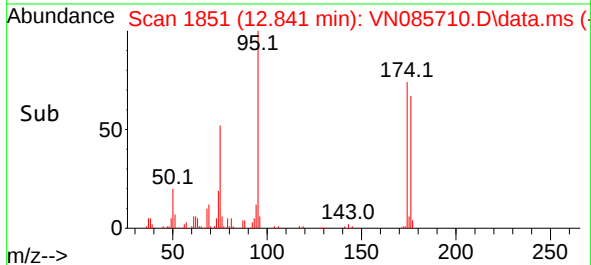
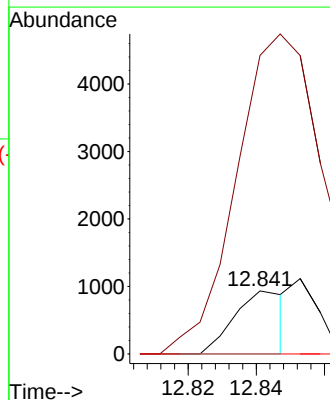
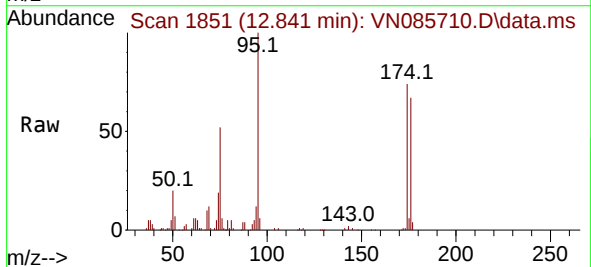
Instrument :
MSVOA_N
ClientSampleId :

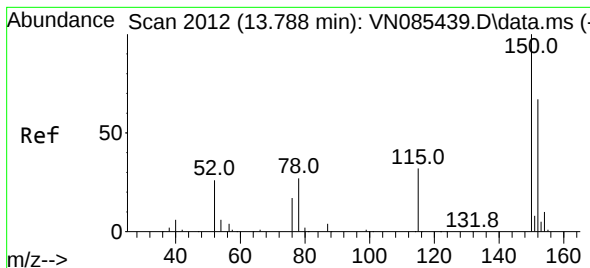
Tgt Ion:117 Resp: 385376
Ion Ratio Lower Upper
117 100
82 57.9 48.6 72.8
119 31.9 26.6 39.8



#71
Bromoform
Concen: 0.438 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

Tgt Ion:173 Resp: 972
Ion Ratio Lower Upper
173 100
175 673.9 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# 2012

Delta R.T. 0.000 min

Lab File: VN085710.D

Acq: 07 Feb 2025 20:42

Instrument :

MSVOA_N

ClientSampleId :

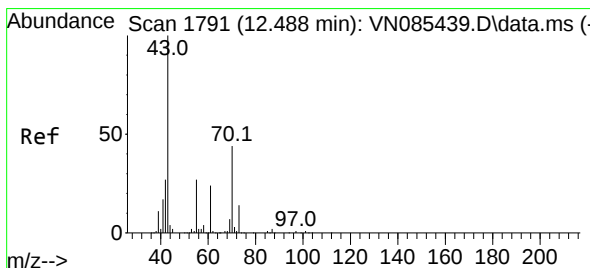
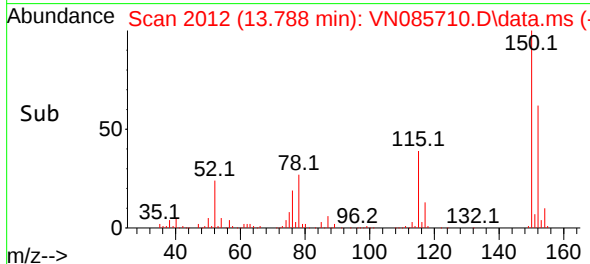
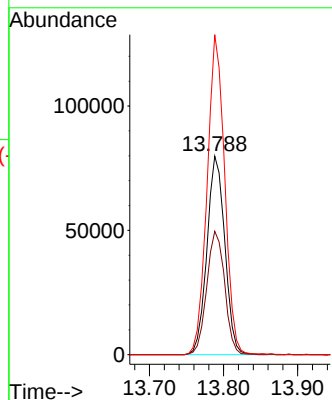
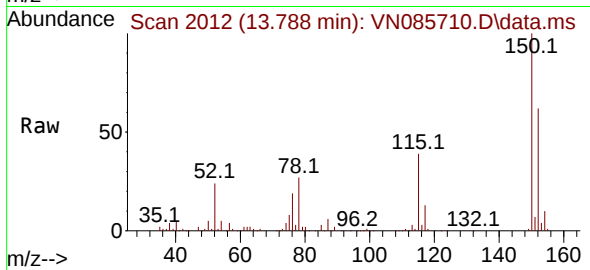
Tgt Ion:152 Resp: 134136

Ion Ratio Lower Upper

152 100

115 62.2 31.1 93.3

150 157.6 0.0 343.6



#74

N-ethyl acetate

Concen: 0.359 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VN085710.D

Acq: 07 Feb 2025 20:42

Tgt Ion: 43 Resp: 1459

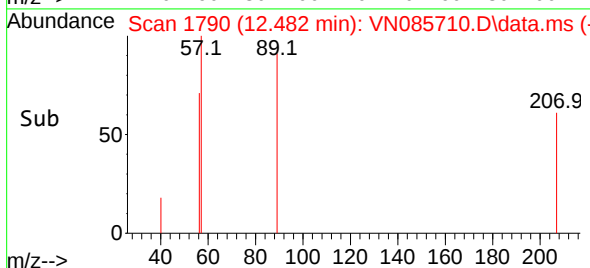
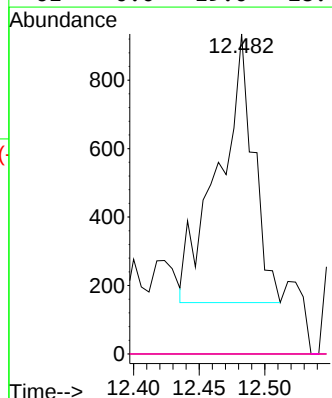
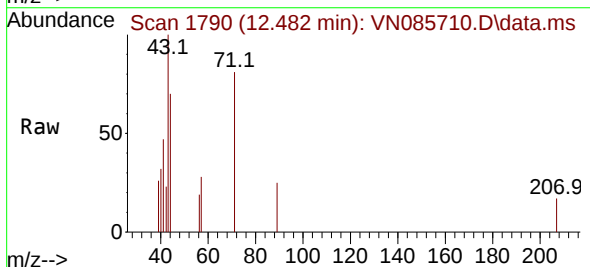
Ion Ratio Lower Upper

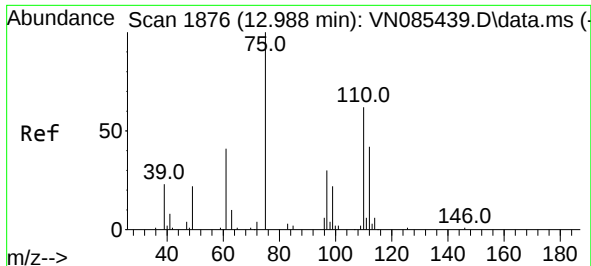
43 100

70 0.0 34.0 51.0#

55 0.0 21.4 32.2#

61 0.0 19.0 28.4#

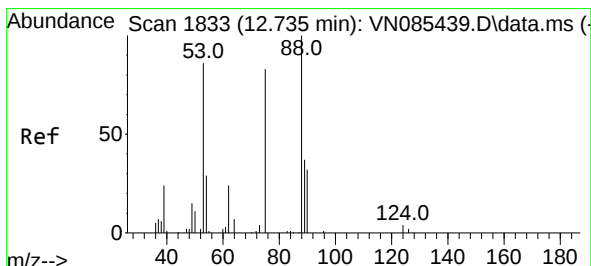
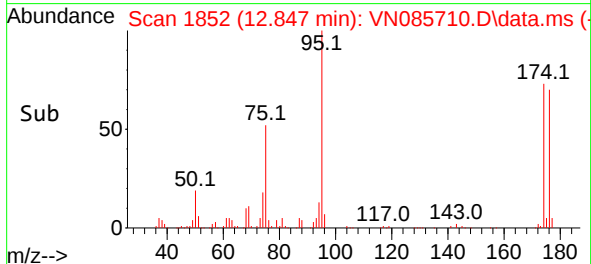
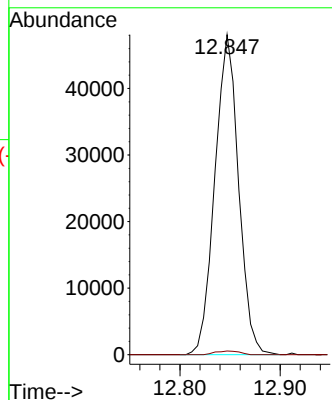
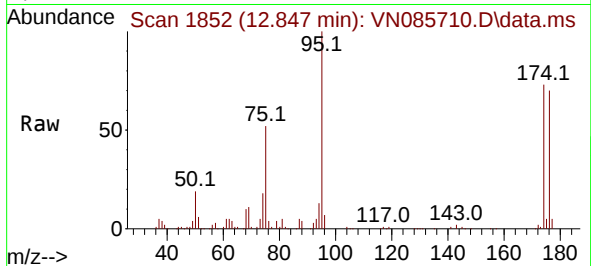




#76
1,2,3-Trichloropropane
Concen: 28.921 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 78849
Ion Ratio Lower Upper
75 100
77 1.2 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.248 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085710.D
Acq: 07 Feb 2025 20:42

Tgt Ion: 75 Resp: 78849
Ion Ratio Lower Upper
75 100
53 0.3 95.6 143.4#
89 0.0 37.0 55.6#

