

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085561.D
 Acq On : 29 Jan 2025 16:41
 Operator : JC\MD
 Sample : Q1207-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:38:06 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)

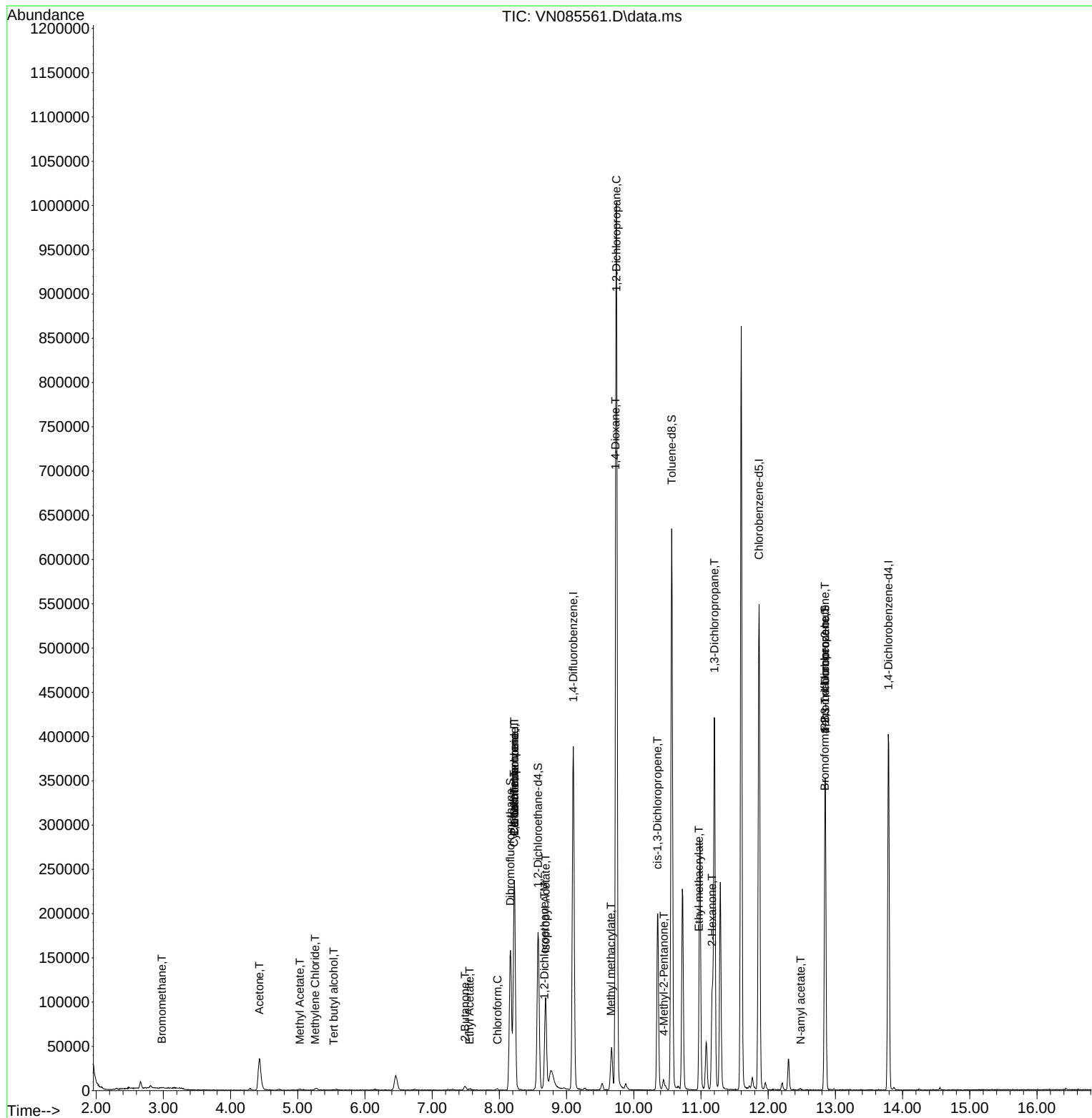
Internal Standards						
1) Pentafluorobenzene	8.224	168	159671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	312230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150154	58.257	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.520%			
35) Dibromofluoromethane	8.165	113	111970	51.692	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.380%			
50) Toluene-d8	10.565	98	411896	53.520	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.040%			
62) 4-Bromofluorobenzene	12.847	95	116737	44.342	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.680%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	456	0.321	ug/l #	66
11) Tert butyl alcohol	5.536	59	124	0.420	ug/l #	71
16) Acetone	4.430	43	67993	81.645	ug/l	98
18) Methyl Acetate	5.030	43	2003	0.791	ug/l #	67
20) Methylene Chloride	5.259	84	945	0.458	ug/l #	61
25) 2-Butanone	7.488	43	6742	5.501	ug/l	92
30) Chloroform	7.971	83	1545	0.397	ug/l	97
31) Cyclohexane	8.218	56	4741	1.449	ug/l #	20
36) 1,1-Dichloropropene	8.224	75	15510	5.102	ug/l #	50
37) Ethyl Acetate	7.559	43	3396	1.107	ug/l #	72
38) Carbon Tetrachloride	8.224	117	17963	5.161	ug/l #	19
42) 1,2-Dichloroethane	8.671	62	793	0.231	ug/l #	76
43) Isopropyl Acetate	8.688	43	115617	23.514	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	1019	0.437	ug/l #	43
48) Methyl methacrylate	9.659	41	3366	1.521	ug/l #	45
49) 1,4-Dioxane	9.730	88	57	1.530	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	11554	4.050	ug/l #	77
54) cis-1,3-Dichloropropene	10.353	75	32898	9.502	ug/l #	76
56) Ethyl methacrylate	10.971	69	1875	2.442	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3946	1.083	ug/l #	43
59) 2-Hexanone	11.165	43	96077	47.857	ug/l #	26
71) Bromoform	12.841	173	491	0.285	ug/l #	28
74) N-amyl acetate	12.482	43	640	0.202	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	66156	31.183	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66156	84.369	ug/l #	3

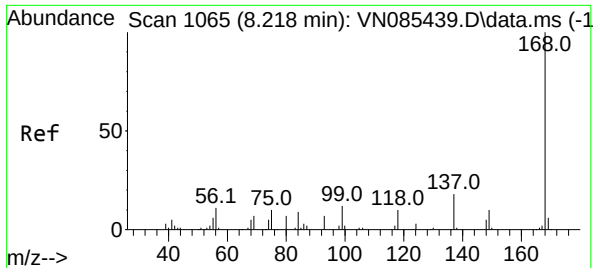
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
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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

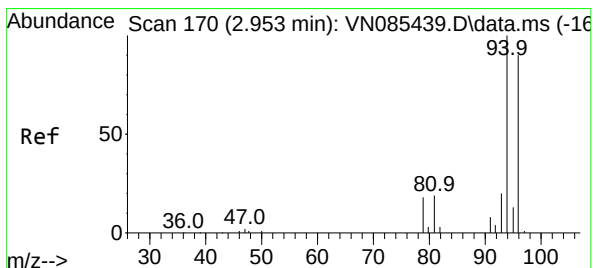
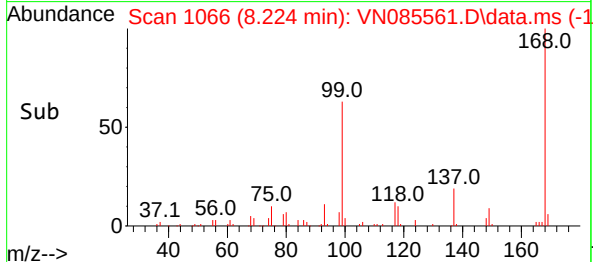
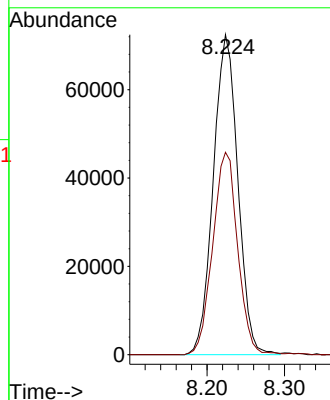
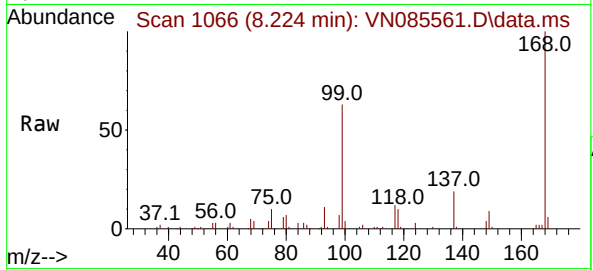




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

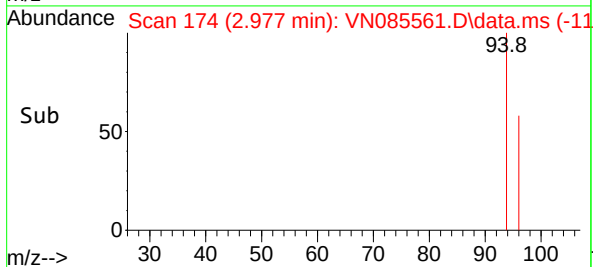
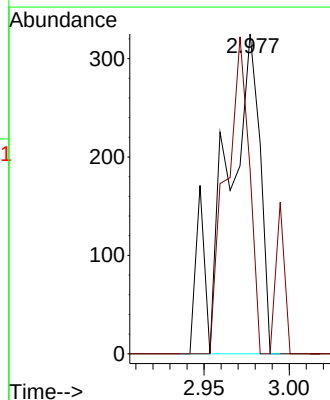
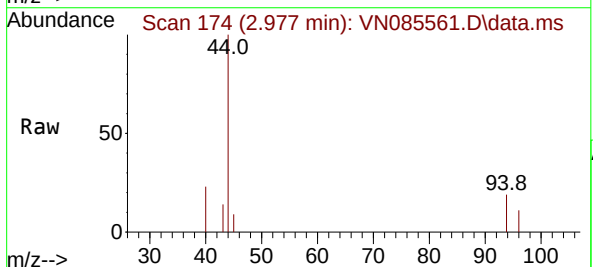
Instrument :
MSVOA_N
ClientSampleId :

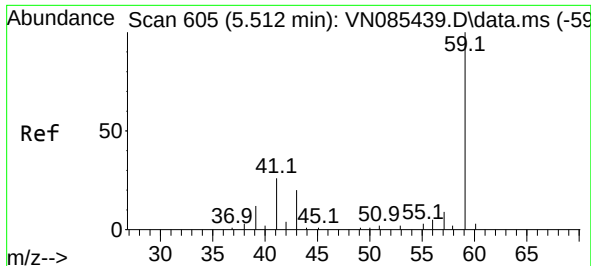
Tgt Ion:168 Resp: 159671
Ion Ratio Lower Upper
168 100
99 63.3 53.6 80.4



#5
Bromomethane
Concen: 0.321 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.024 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Tgt Ion: 94 Resp: 456
Ion Ratio Lower Upper
94 100
96 57.5 71.8 107.6#

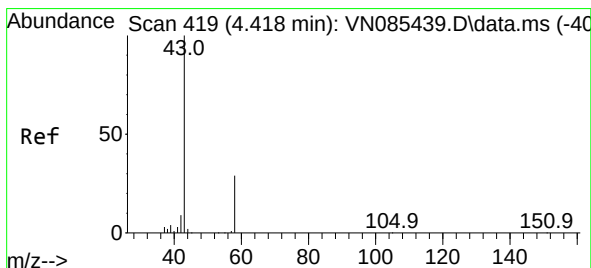
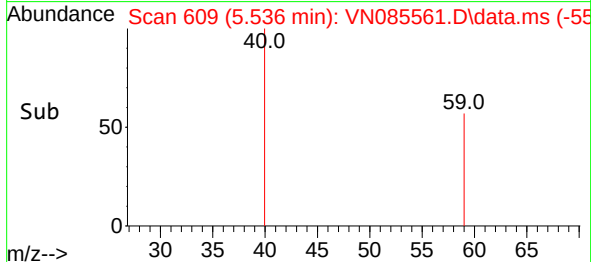
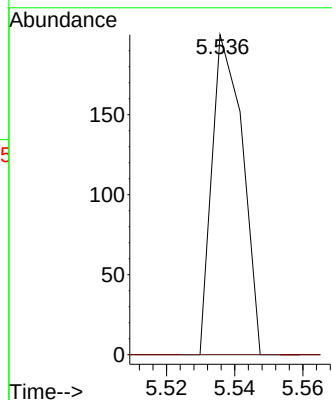
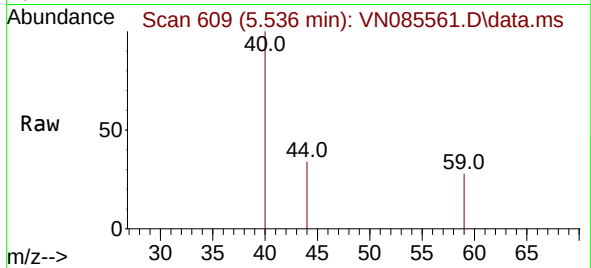




#11
Tert butyl alcohol
Concen: 0.420 ug/l
RT: 5.536 min Scan# 605
Delta R.T. 0.024 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

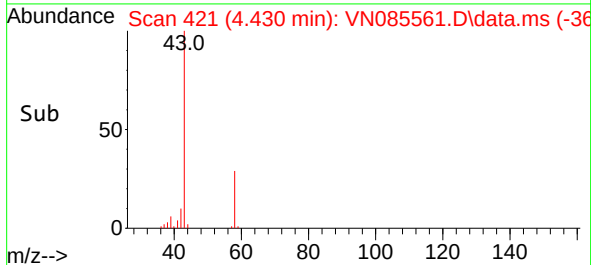
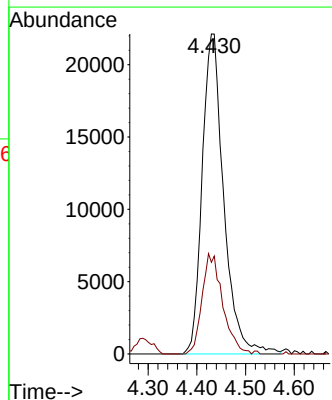
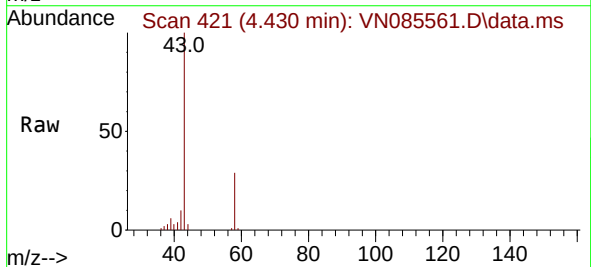
Instrument :
MSVOA_N
ClientSampleId :

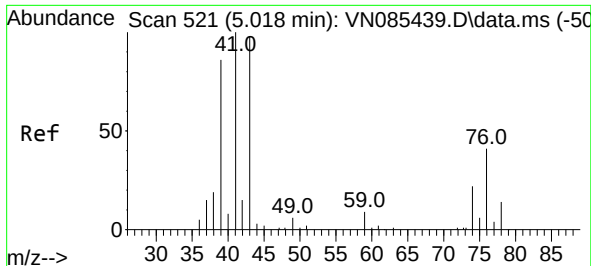
Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: 81.645 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Tgt Ion: 43 Resp: 67993
Ion Ratio Lower Upper
43 100
58 28.7 23.8 35.6

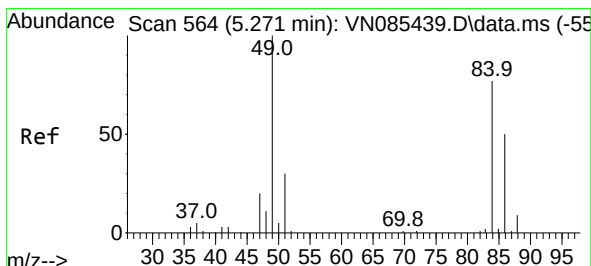
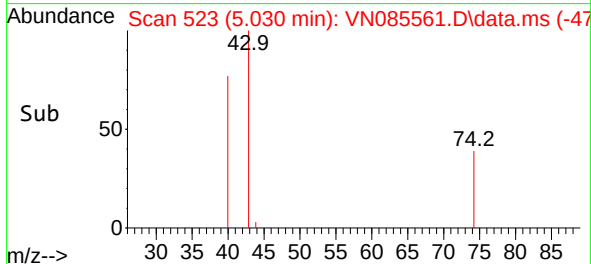
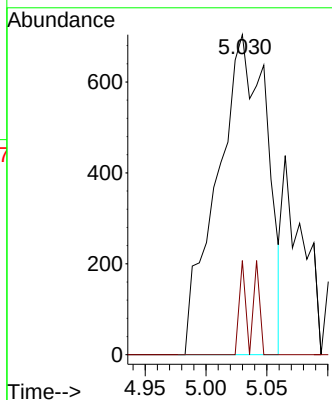
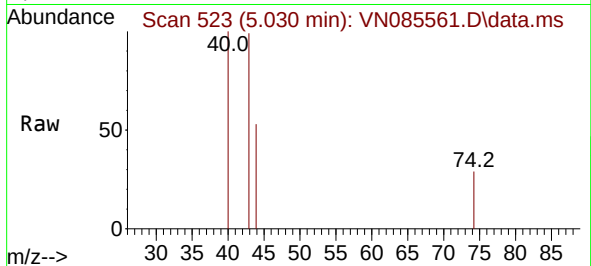




#18
Methyl Acetate
Concen: 0.791 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

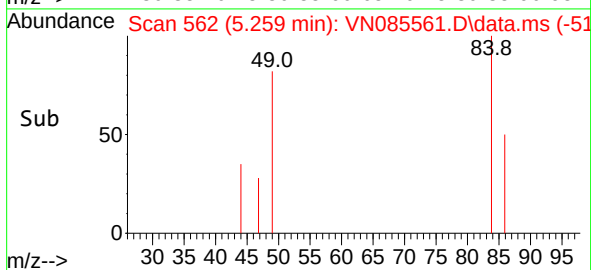
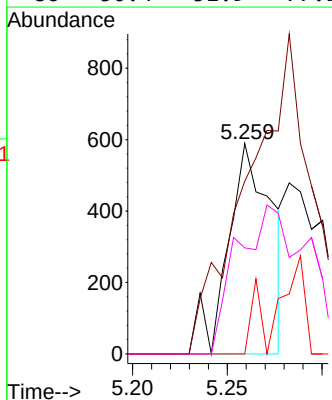
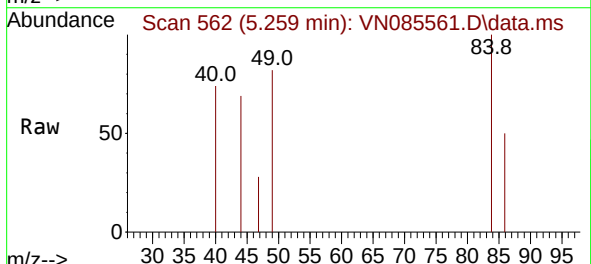
Instrument :
MSVOA_N
ClientSampleId :

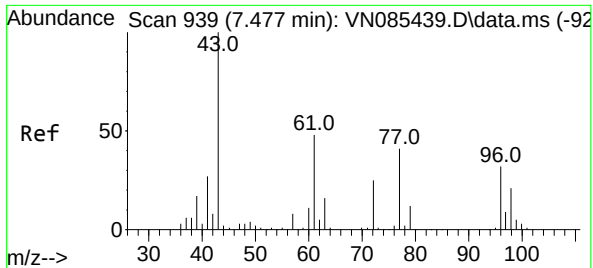
Tgt Ion: 43 Resp: 2003
Ion Ratio Lower Upper
43 100
74 7.3 18.6 28.0#



#20
Methylene Chloride
Concen: 0.458 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.012 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Tgt Ion: 84 Resp: 945
Ion Ratio Lower Upper
84 100
49 82.2 104.1 156.1#
51 0.0 31.0 46.4#
86 50.4 51.9 77.9#

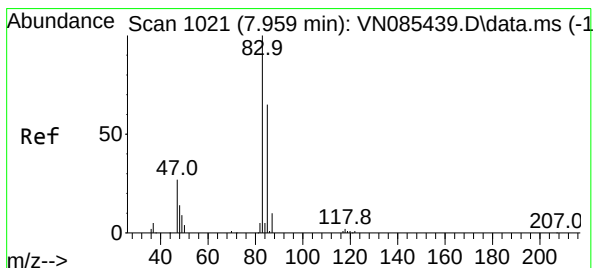
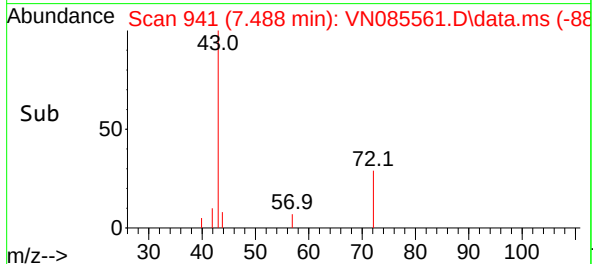
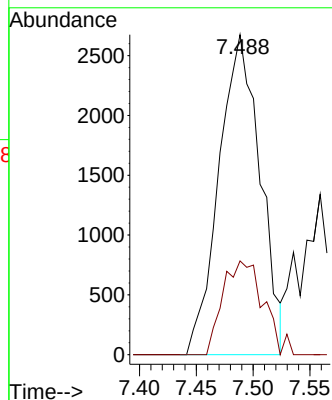
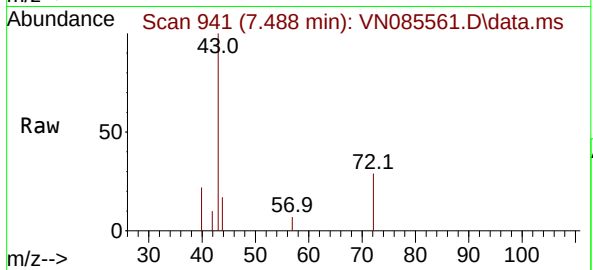




#25
2-Butanone
Concen: 5.501 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

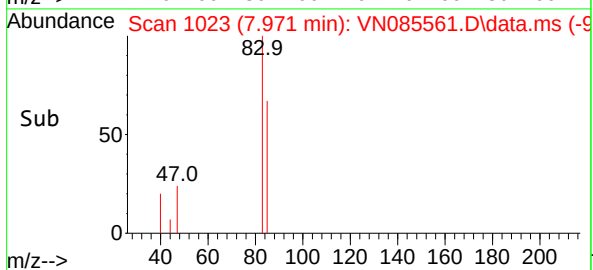
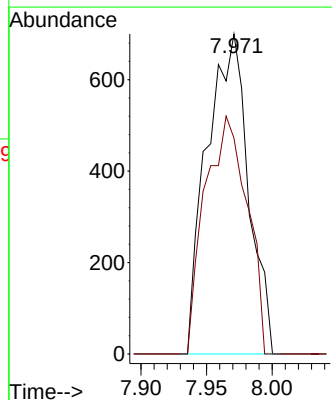
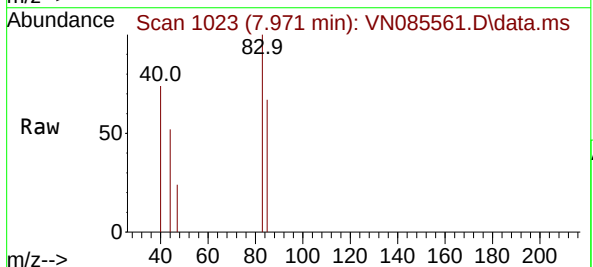
Instrument :
MSVOA_N
ClientSampleId :

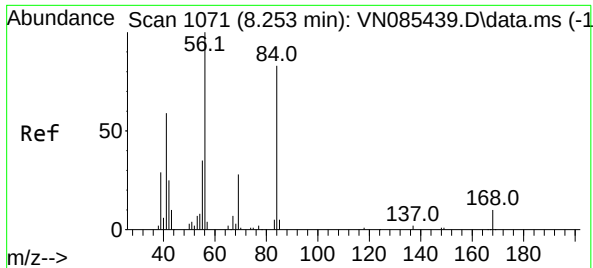
Tgt Ion: 43 Resp: 6742
Ion Ratio Lower Upper
43 100
72 29.3 20.2 30.4



#30
Chloroform
Concen: 0.397 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.012 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

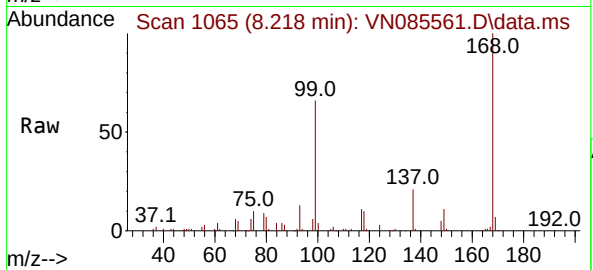
Tgt Ion: 83 Resp: 1545
Ion Ratio Lower Upper
83 100
85 67.4 51.8 77.6



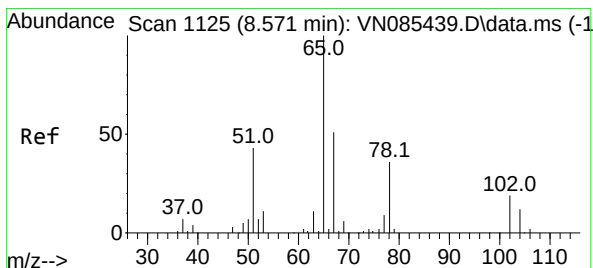
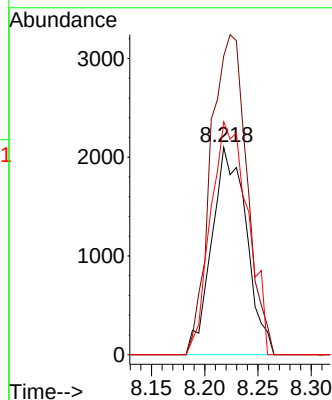
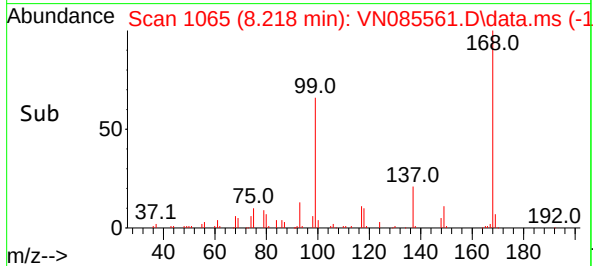


#31
Cyclohexane
Concen: 1.449 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Instrument :
MSVOA_N
ClientSampleId :

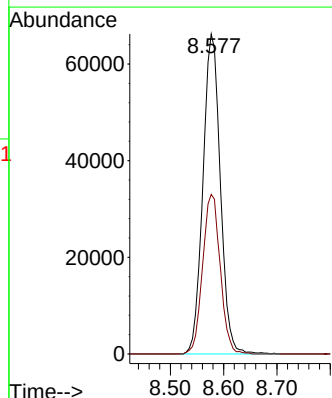
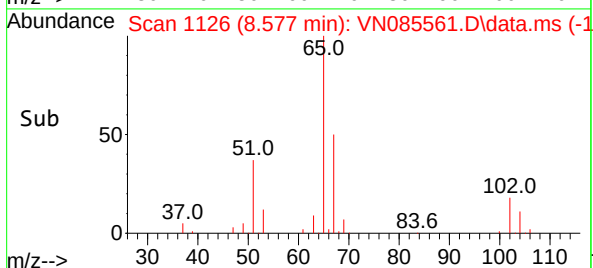
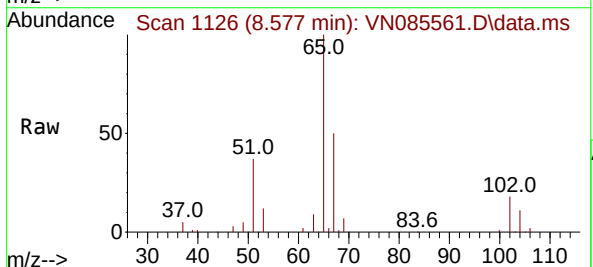


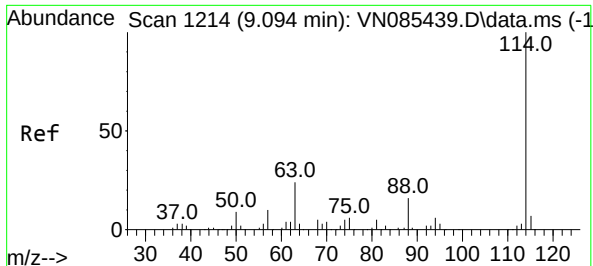
Tgt Ion: 56 Resp: 4741
Ion Ratio Lower Upper
56 100
69 144.0 22.2 33.4#
84 112.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.257 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Tgt Ion: 65 Resp: 150154
Ion Ratio Lower Upper
65 100
67 50.3 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: VN085561.D

Acq: 29 Jan 2025 16:41

Instrument :

MSVOA_N

ClientSampleId :

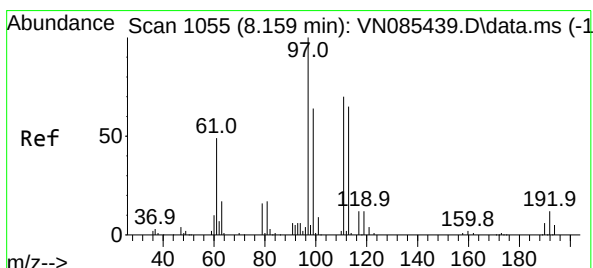
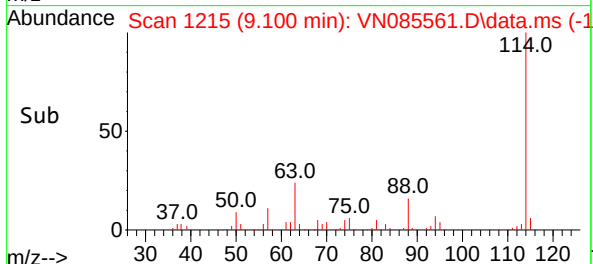
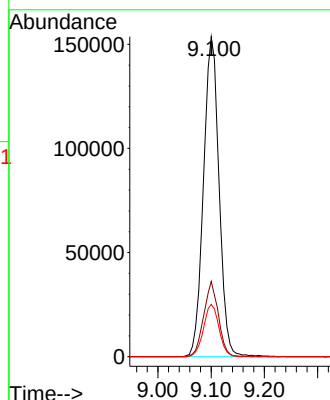
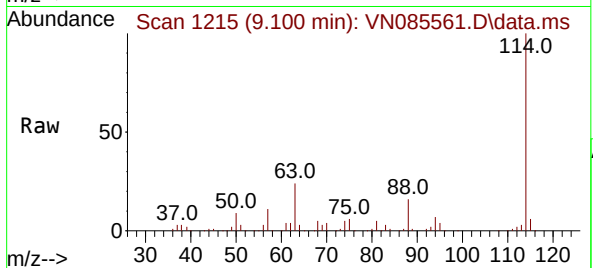
Tgt Ion:114 Resp: 312230

Ion Ratio Lower Upper

114 100

63 23.5 0.0 47.6

88 16.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.692 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085561.D

Acq: 29 Jan 2025 16:41

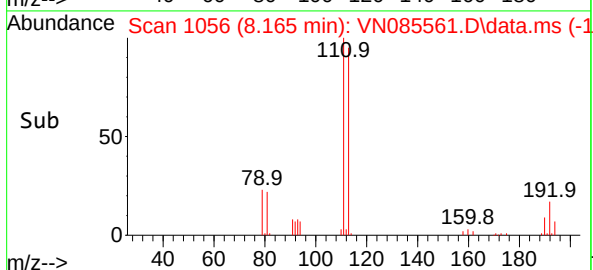
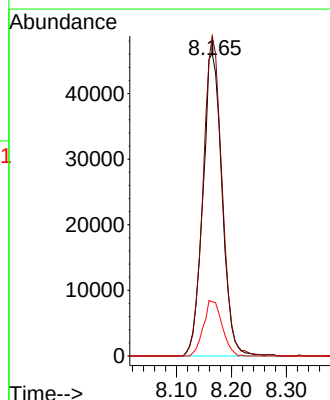
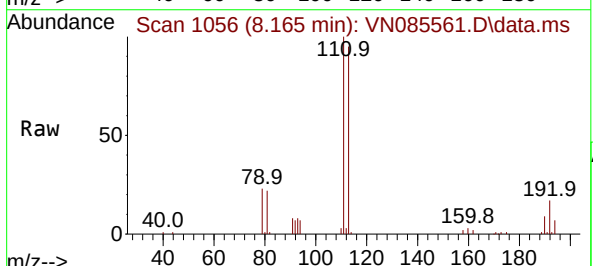
Tgt Ion:113 Resp: 111970

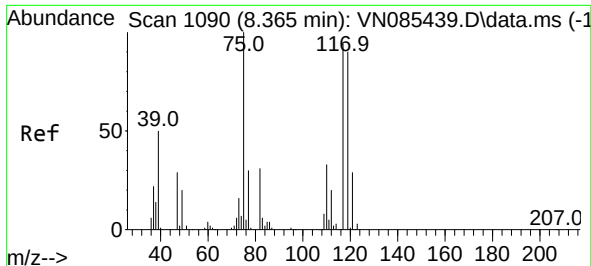
Ion Ratio Lower Upper

113 100

111 104.1 82.7 124.1

192 17.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.102 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

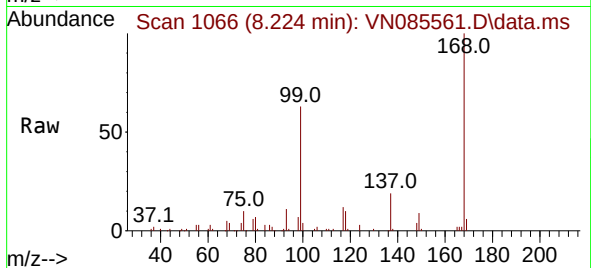
Lab File: VN085561.D

Acq: 29 Jan 2025 16:41

Instrument :

MSVOA_N

ClientSampleId :



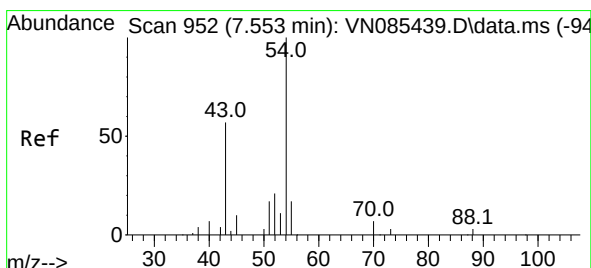
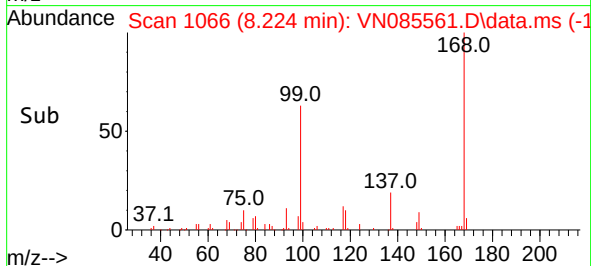
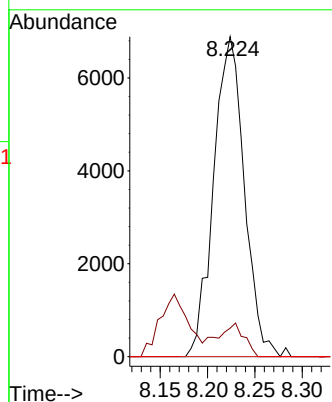
Tgt Ion: 75 Resp: 15510

Ion Ratio Lower Upper

75 100

110 7.5 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.107 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085561.D

Acq: 29 Jan 2025 16:41

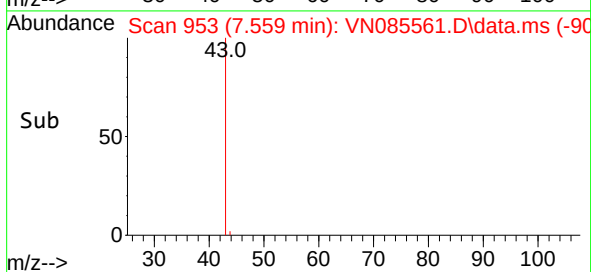
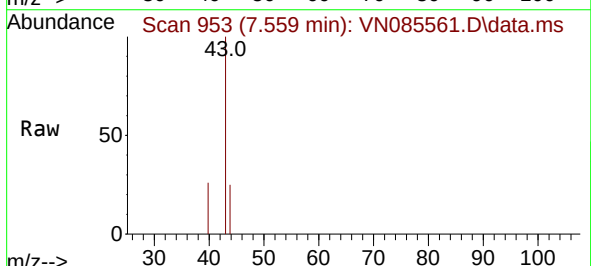
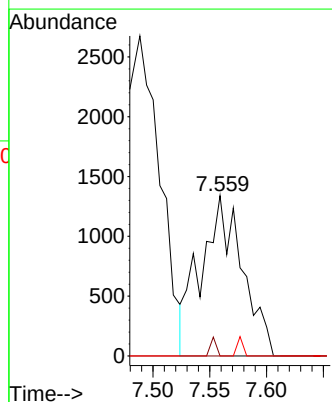
Tgt Ion: 43 Resp: 3396

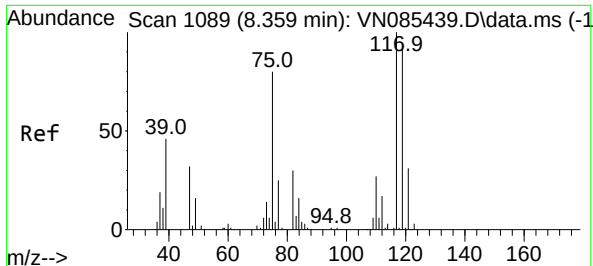
Ion Ratio Lower Upper

43 100

61 1.6 10.9 16.3#

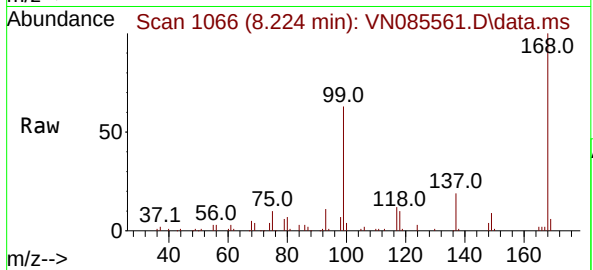
70 0.0 7.5 11.3#



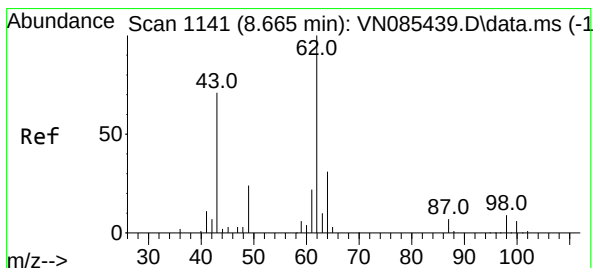
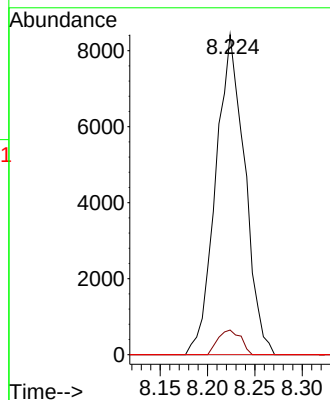
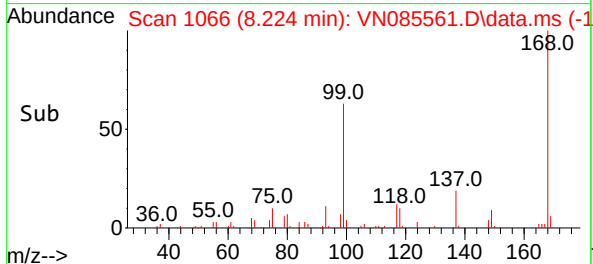


#38
Carbon Tetrachloride
Concen: 5.161 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Instrument :
MSVOA_N
ClientSampleId :

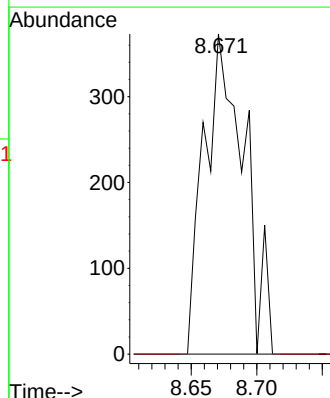
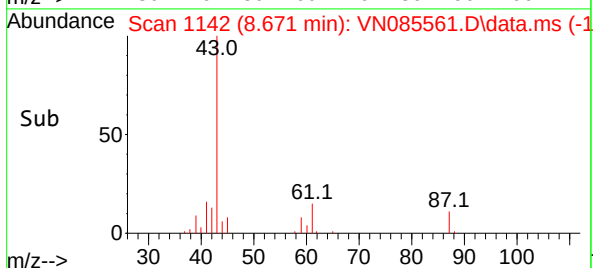
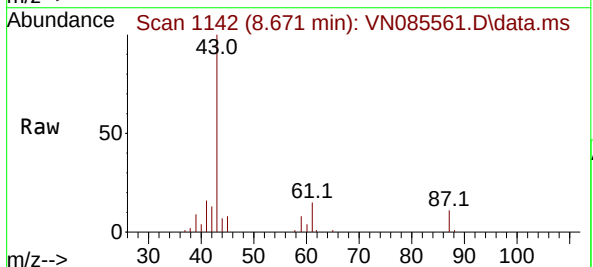


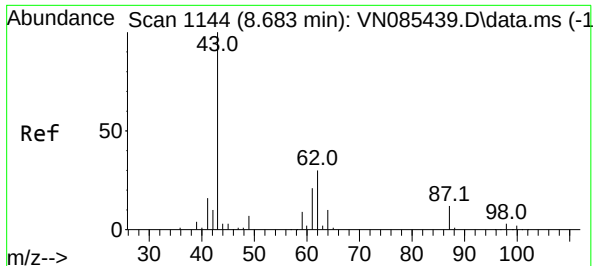
Tgt Ion:117 Resp: 17963
Ion Ratio Lower Upper
117 100
119 7.7 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.231 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Tgt Ion: 62 Resp: 793
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

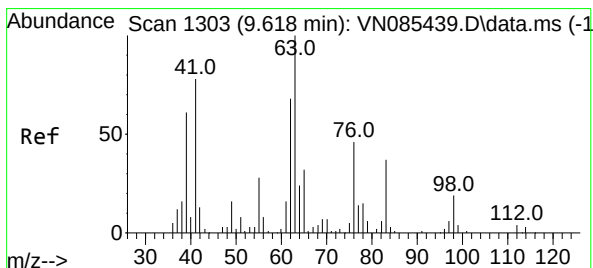
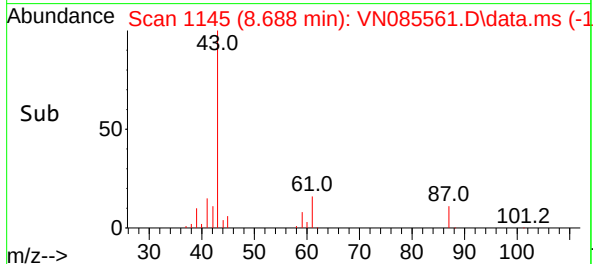
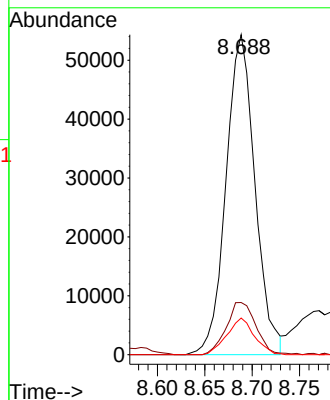
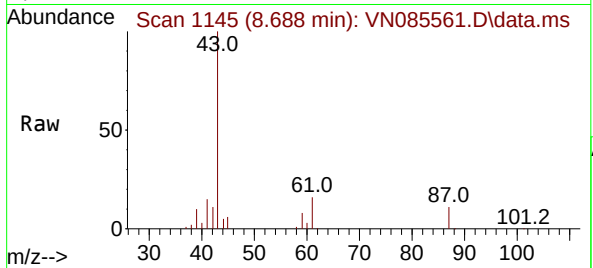




#43
Isopropyl Acetate
Concen: 23.514 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

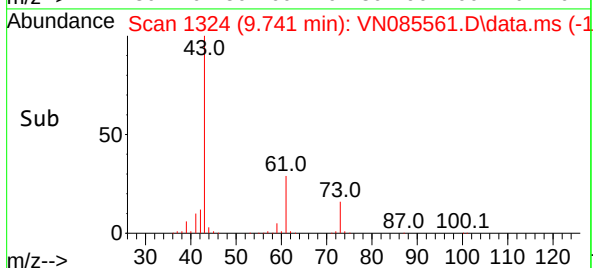
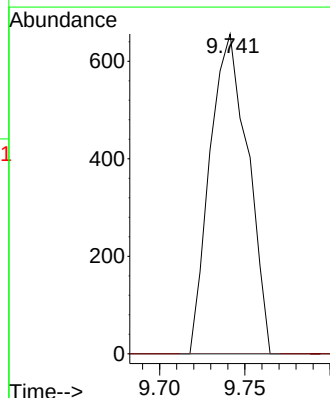
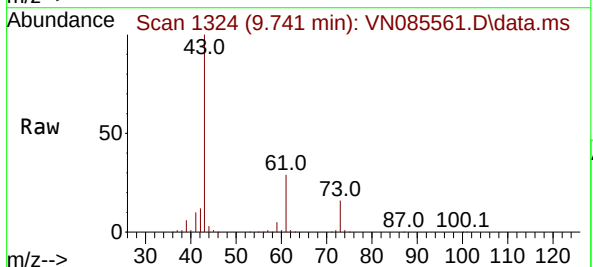
Instrument :
MSVOA_N
ClientSampleId :

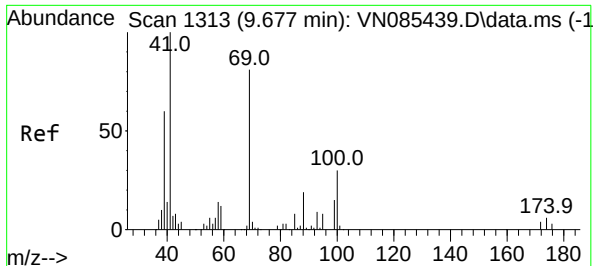
Tgt Ion: 43 Resp: 115617
Ion Ratio Lower Upper
43 100
61 16.7 20.7 31.1#
87 10.8 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.437 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

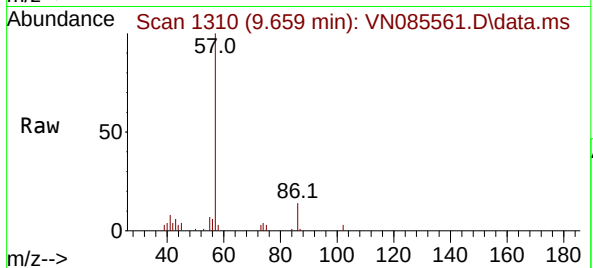
Tgt Ion: 63 Resp: 1019
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



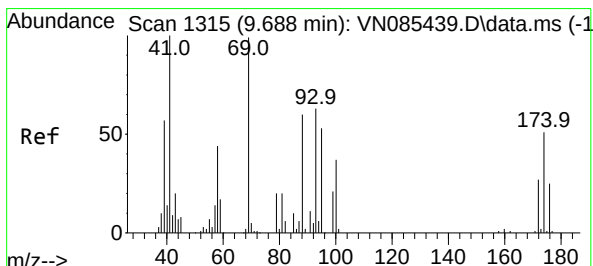
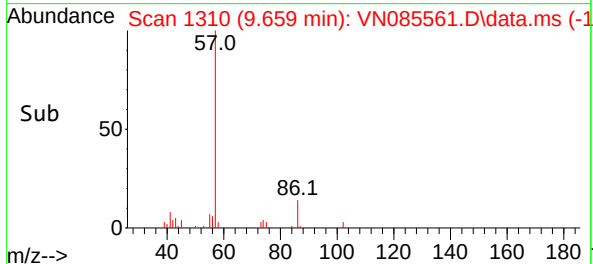
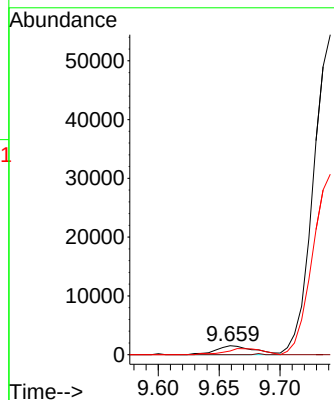


#48
Methyl methacrylate
Concen: 1.521 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.018 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Instrument :
MSVOA_N
ClientSampleId :

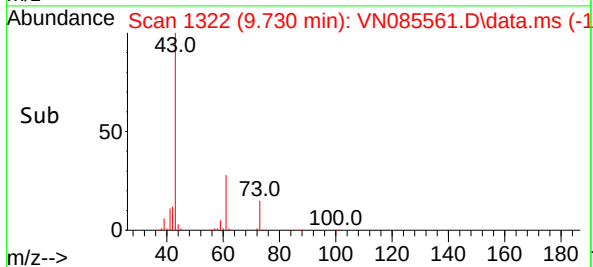
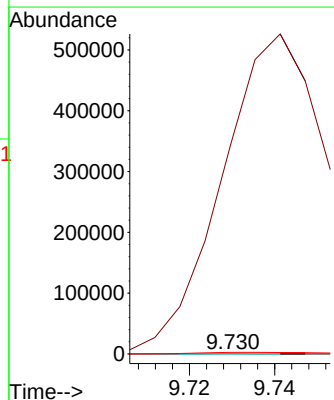
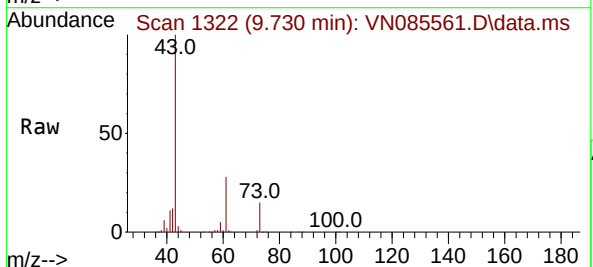


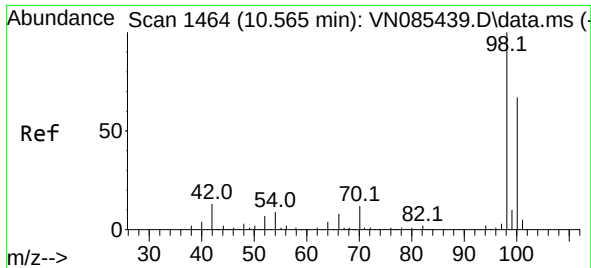
Tgt Ion: 41 Resp: 3366
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 66.2 49.0 73.6



#49
1,4-Dioxane
Concen: 1.530 ug/l
RT: 9.730 min Scan# 1322
Delta R.T. 0.041 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 1663501.8 26.6 39.8#
58 9817.5 59.5 89.3#

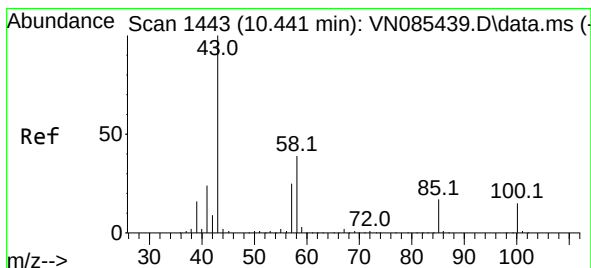
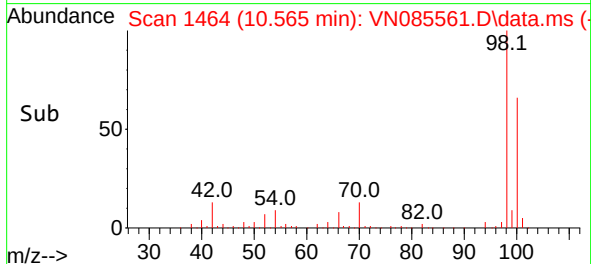
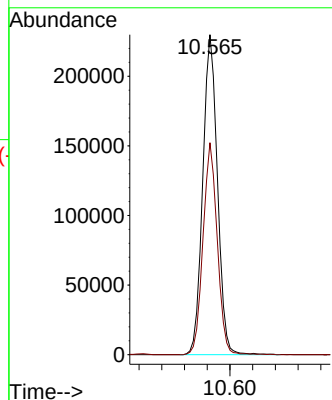
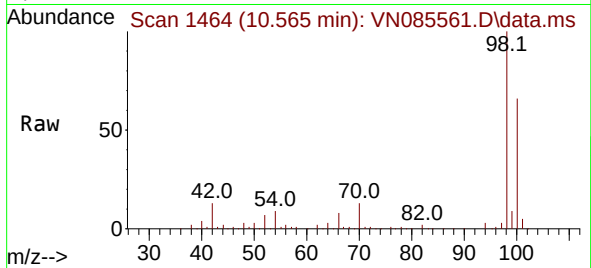




#50
Toluene-d8
Concen: 53.520 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

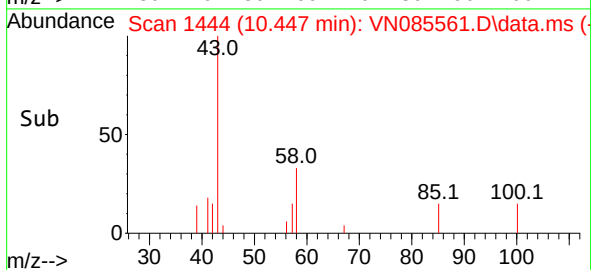
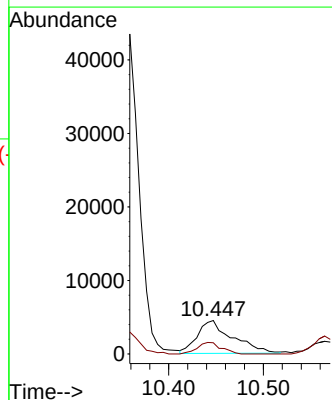
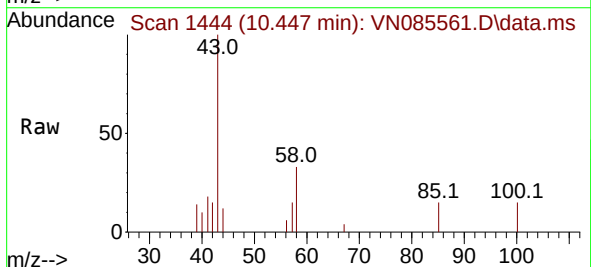
Instrument :
MSVOA_N
ClientSampleId :

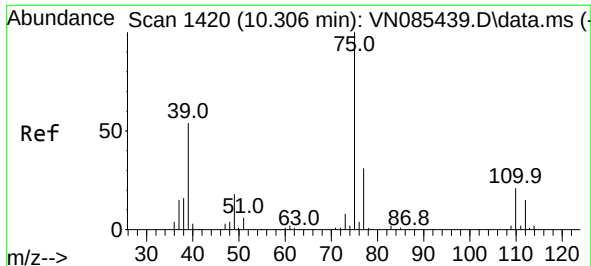
Tgt Ion: 98 Resp: 411896
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.050 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Tgt Ion: 43 Resp: 11554
Ion Ratio Lower Upper
43 100
58 24.0 30.5 45.7#

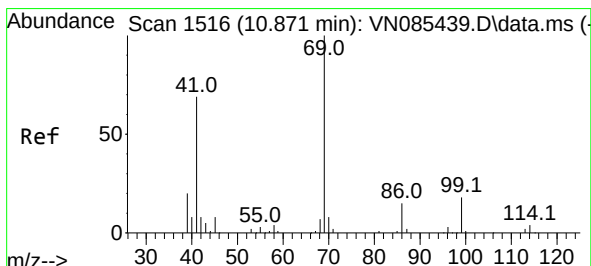
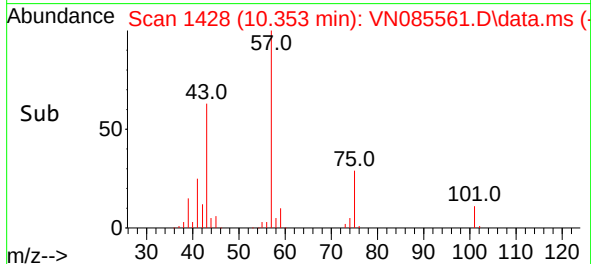
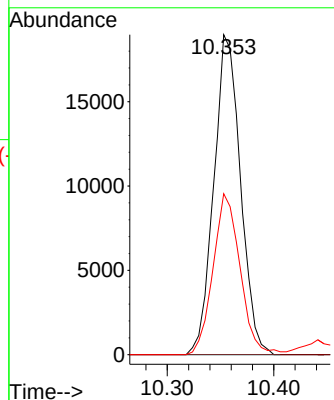
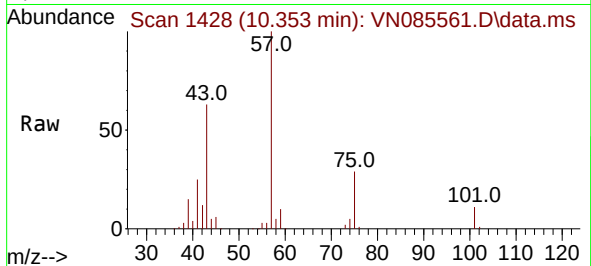




#54
cis-1,3-Dichloropropene
Concen: 9.502 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

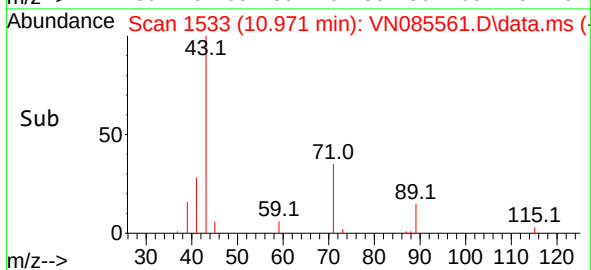
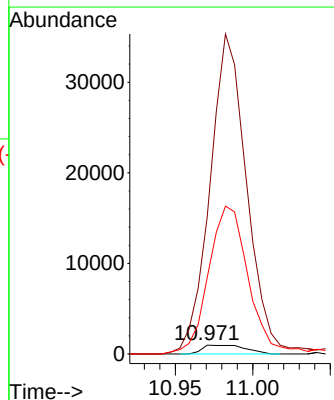
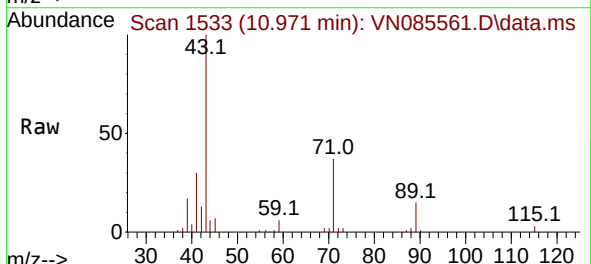
Instrument :
MSVOA_N
ClientSampleId :

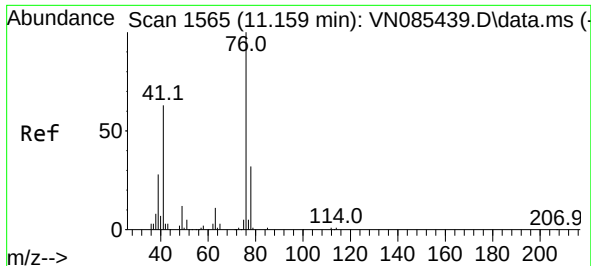
Tgt Ion: 75 Resp: 32898
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 50.3 43.1 64.7



#56
Ethyl methacrylate
Concen: 2.442 ug/l
RT: 10.971 min Scan# 1533
Delta R.T. 0.100 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Tgt Ion: 69 Resp: 1875
Ion Ratio Lower Upper
69 100
41 3124.4 54.6 82.0#
39 1551.1 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.083 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN085561.D

Acq: 29 Jan 2025 16:41

Instrument :

MSVOA_N

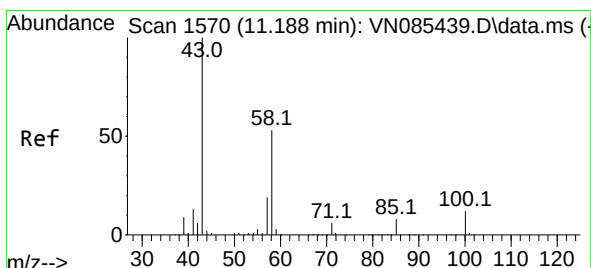
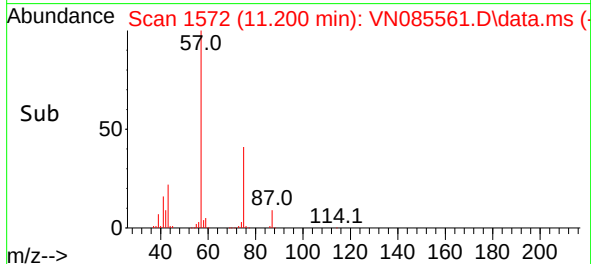
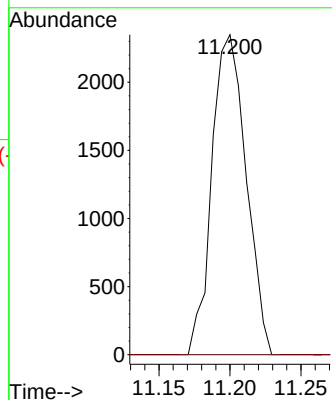
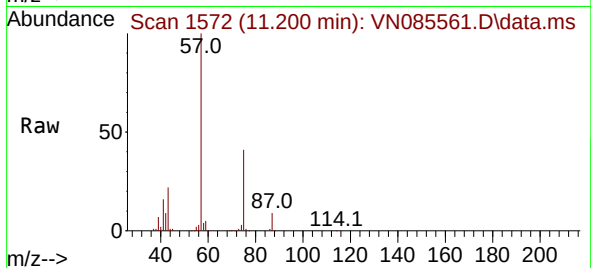
ClientSampleId :

Tgt Ion: 76 Resp: 3946

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 47.857 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.024 min

Lab File: VN085561.D

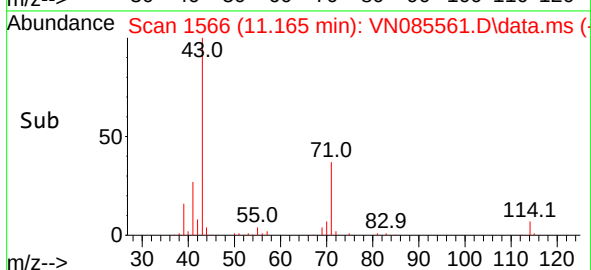
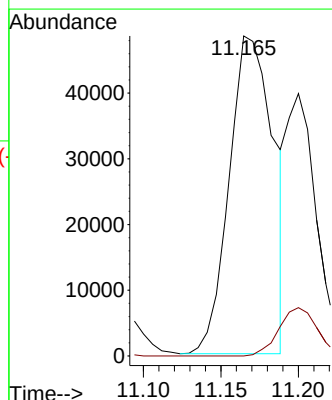
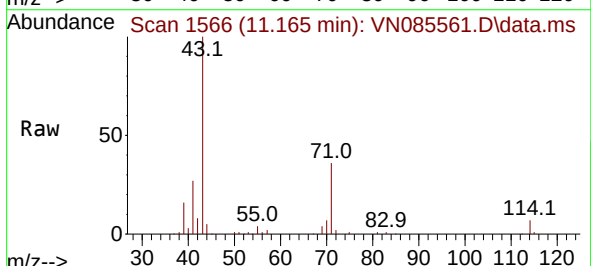
Acq: 29 Jan 2025 16:41

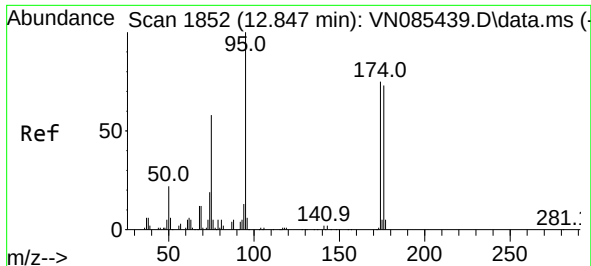
Tgt Ion: 43 Resp: 96077

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.6#

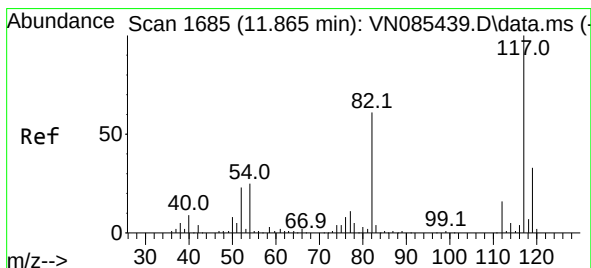
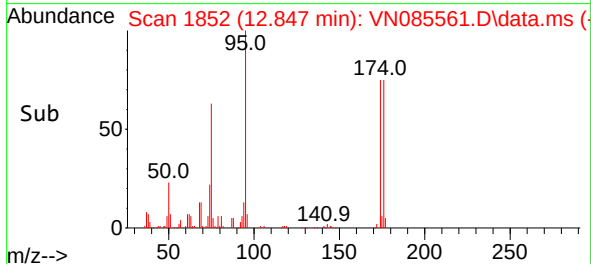
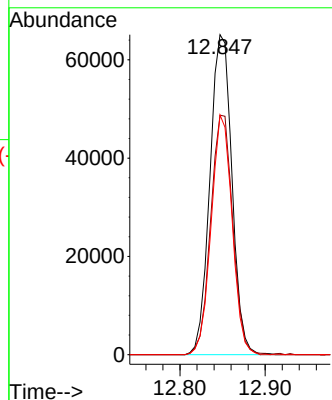
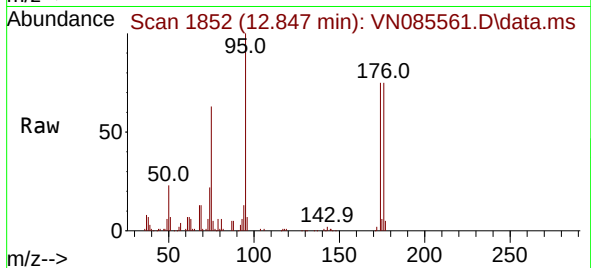




#62
4-Bromofluorobenzene
Concen: 44.342 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

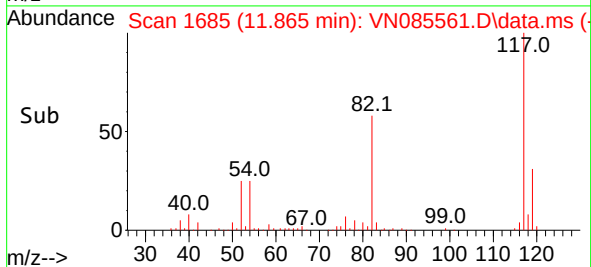
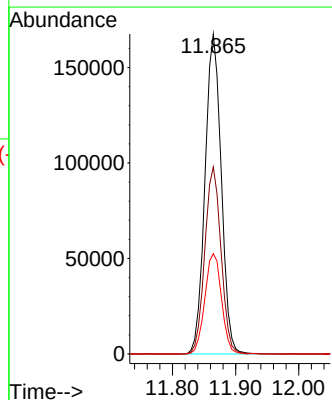
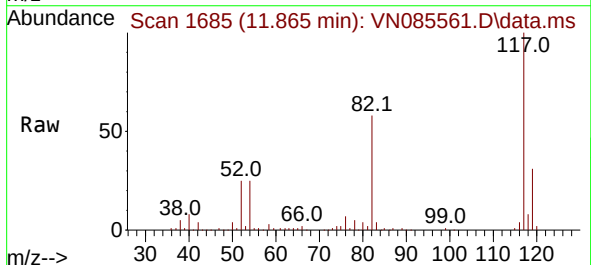
Instrument :
MSVOA_N
ClientSampleId :

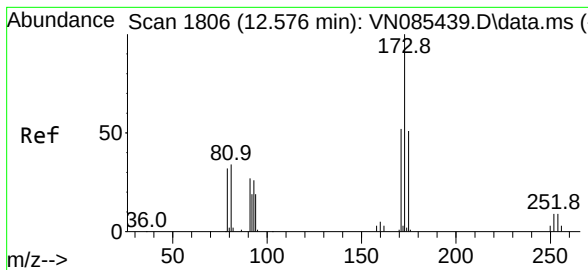
Tgt Ion: 95 Resp: 116737
Ion Ratio Lower Upper
95 100
174 75.3 0.0 145.0
176 71.3 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Tgt Ion: 117 Resp: 298965
Ion Ratio Lower Upper
117 100
82 58.5 48.6 72.8
119 31.4 26.6 39.8

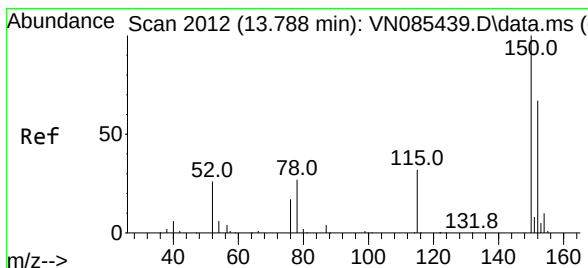
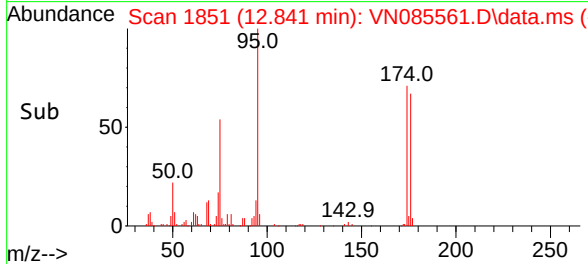
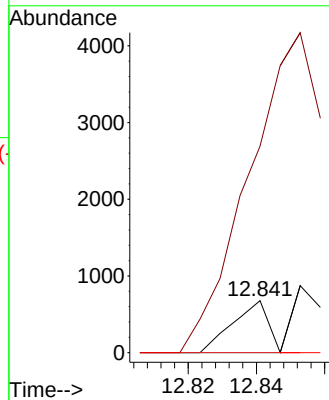
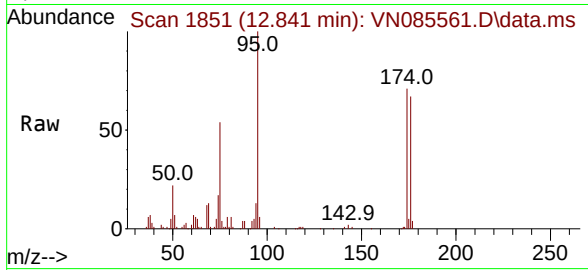




#71
Bromoform
Concen: 0.285 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

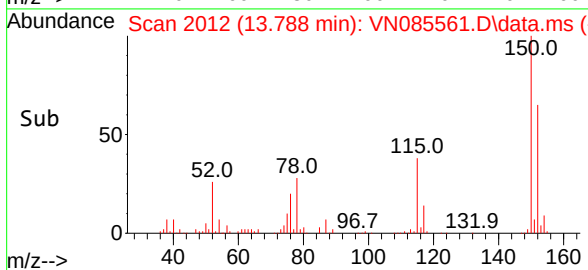
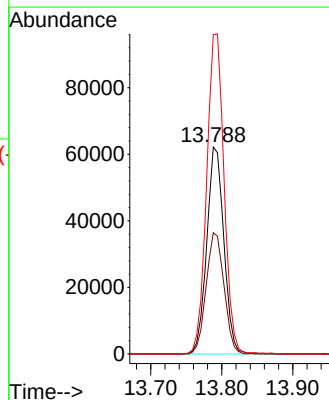
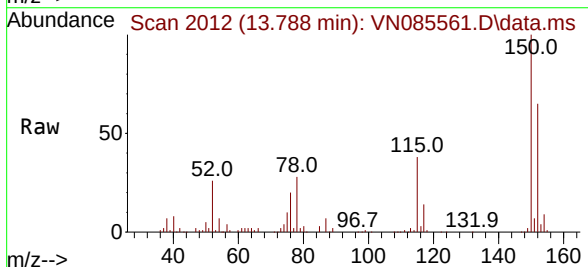
Instrument :
MSVOA_N
ClientSampleId :

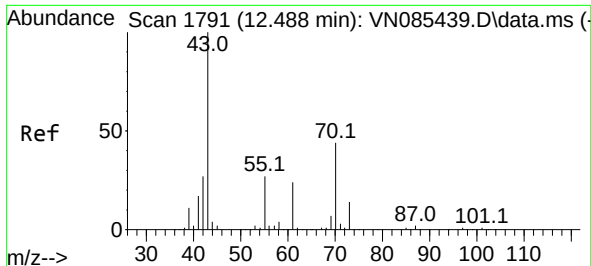
Tgt Ion:173 Resp: 491
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

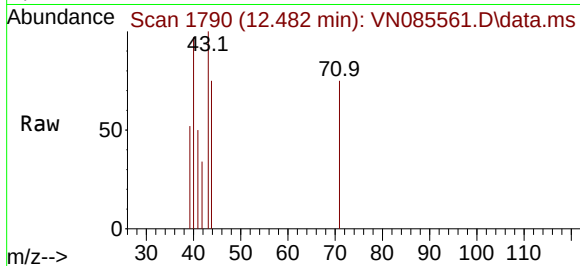
Tgt Ion:152 Resp: 104378
Ion Ratio Lower Upper
152 100
115 61.0 31.1 93.3
150 157.0 0.0 343.6



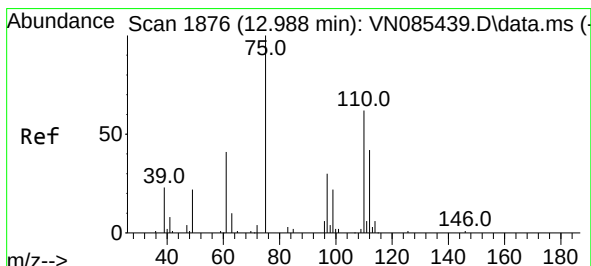
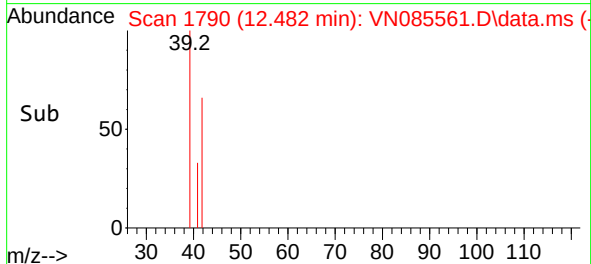
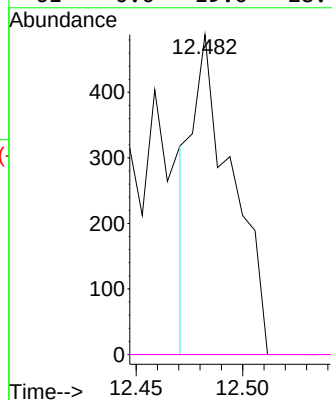


#74
N-amy1 acetate
Concen: 0.202 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Instrument :
MSVOA_N
ClientSampleId :

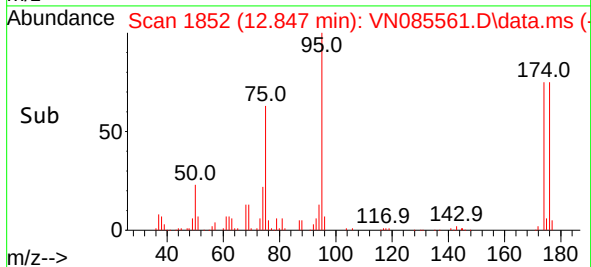
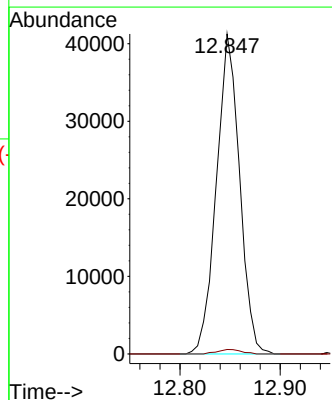
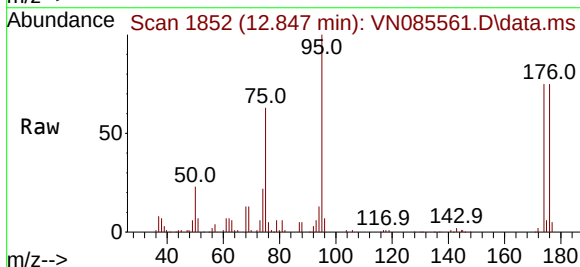


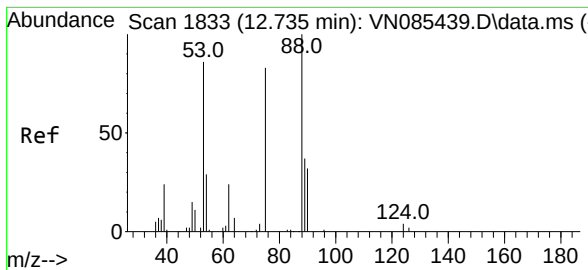
Tgt Ion: 43	Resp: 640
Ion Ratio	Lower Upper
43	100
70	0.0 34.0 51.0#
55	0.0 21.4 32.2#
61	0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 31.183 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

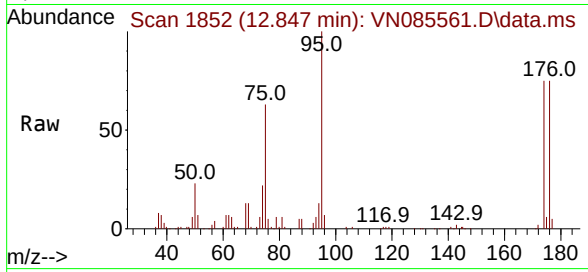
Tgt Ion: 75	Resp: 66156
Ion Ratio	Lower Upper
75	100
77	1.5 109.7 329.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 84.369 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085561.D
Acq: 29 Jan 2025 16:41

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	95.6	143.4#
89	0.0	37.0	55.6#

