

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085708.D
 Acq On : 07 Feb 2025 19:54
 Operator : JC\MD
 Sample : Q1299-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2

Quant Time: Feb 07 22:36:44 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)

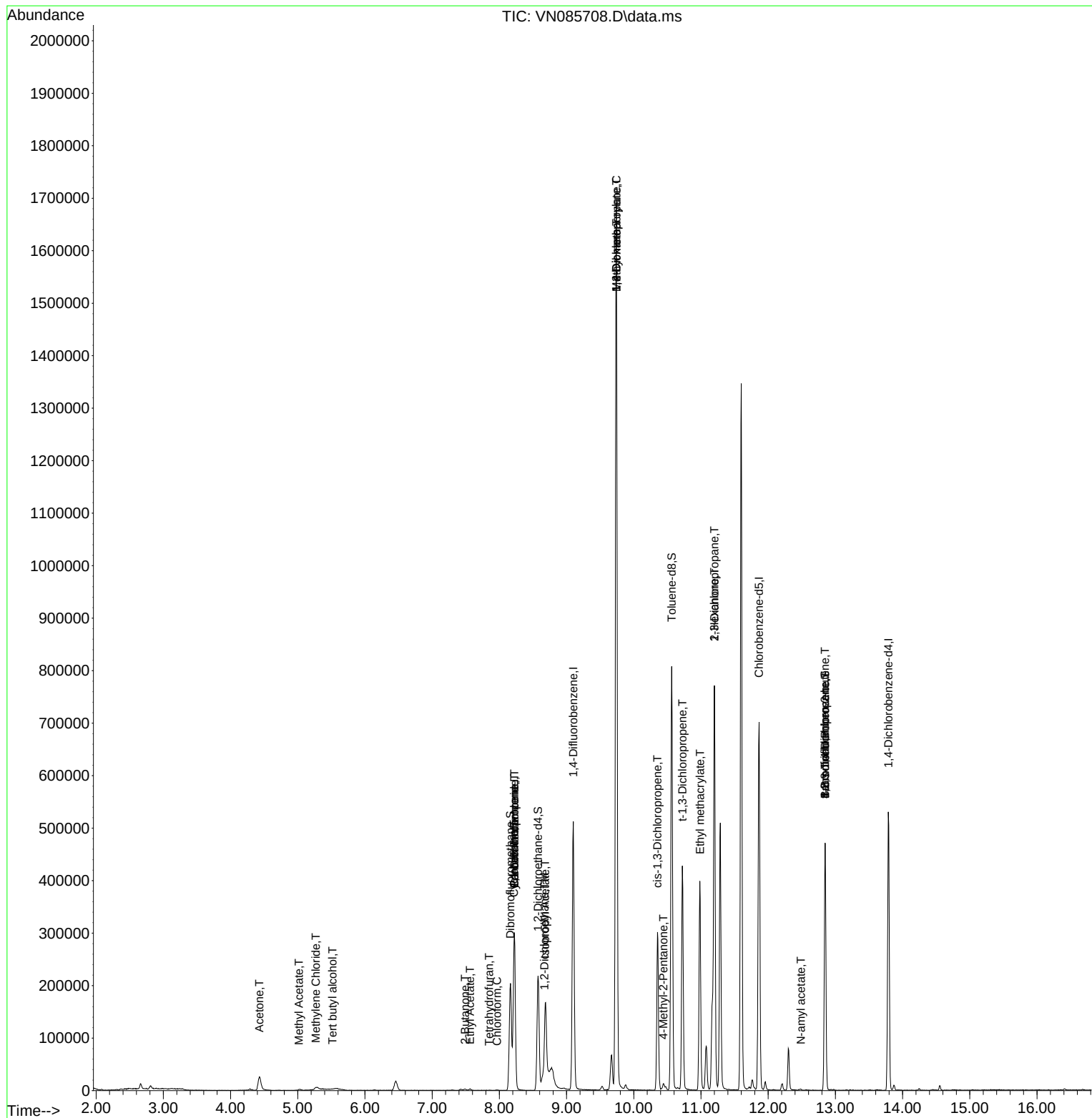
Internal Standards						
1) Pentafluorobenzene	8.223	168	207399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	424127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	400322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	182063	54.382	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.760%	
35) Dibromofluoromethane	8.165	113	147581	50.157	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.320%	
50) Toluene-d8	10.565	98	550864	52.693	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.380%	
62) 4-Bromofluorobenzene	12.847	95	157783	44.121	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 88.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	147	0.383	ug/l #	71
16) Acetone	4.430	43	50418	46.609	ug/l	99
18) Methyl Acetate	5.018	43	3690	1.122	ug/l	95
20) Methylene Chloride	5.271	84	3409	1.273	ug/l #	79
25) 2-Butanone	7.488	43	4782	3.004	ug/l	97
29) Tetrahydrofuran	7.847	42	232	0.230	ug/l #	34
30) Chloroform	7.965	83	1033	0.204	ug/l	97
31) Cyclohexane	8.218	56	4874	1.147	ug/l #	1
36) 1,1-Dichloropropene	8.223	75	19072	4.618	ug/l #	51
37) Ethyl Acetate	7.565	43	4296	1.031	ug/l #	84
38) Carbon Tetrachloride	8.223	117	23453	4.961	ug/l #	18
42) 1,2-Dichloroethane	8.671	62	1336	0.286	ug/l #	76
43) Isopropyl Acetate	8.682	43	215579	32.277	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	2223	0.701	ug/l #	43
48) Methyl methacrylate	9.741	41	156916	52.206	ug/l #	45
49) 1,4-Dioxane	9.741	88	69	1.363	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	11816	3.049	ug/l #	79
53) t-1,3-Dichloropropene	10.723	75	1162	0.264	ug/l #	53
54) cis-1,3-Dichloropropene	10.353	75	51315	10.911	ug/l #	63
56) Ethyl methacrylate	10.988	69	2576	2.448	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7984	1.614	ug/l #	43
59) 2-Hexanone	11.200	43	104431	38.294	ug/l #	56
71) Bromoform	12.847	173	1282	0.557	ug/l #	1
74) N-amyl acetate	12.488	43	2102	0.482	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	83298	28.518	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83298	77.157	ug/l #	3

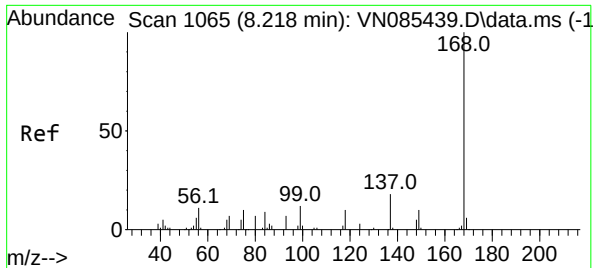
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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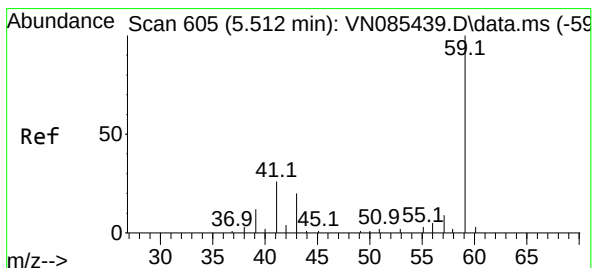
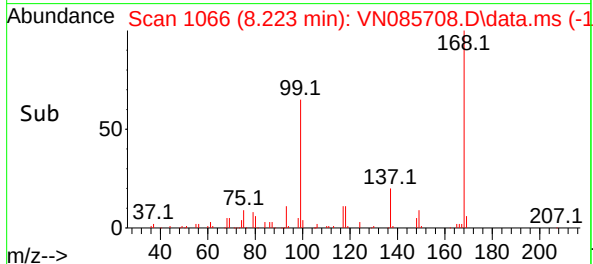
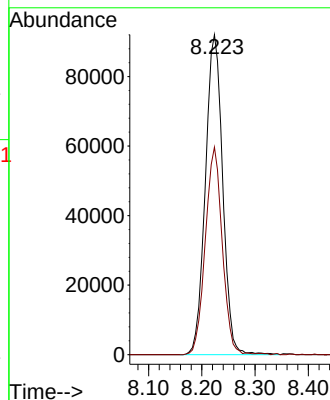
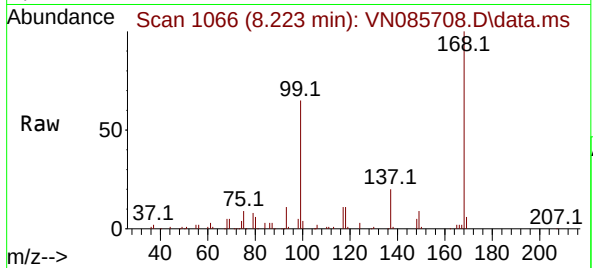




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

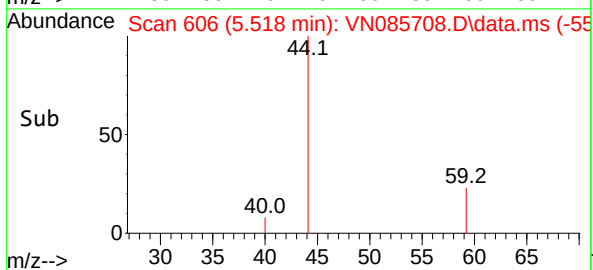
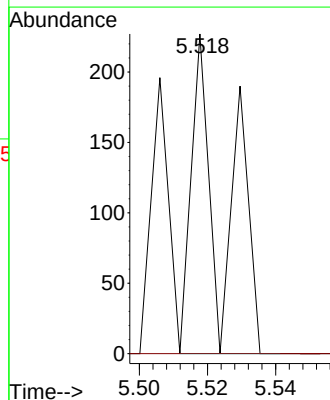
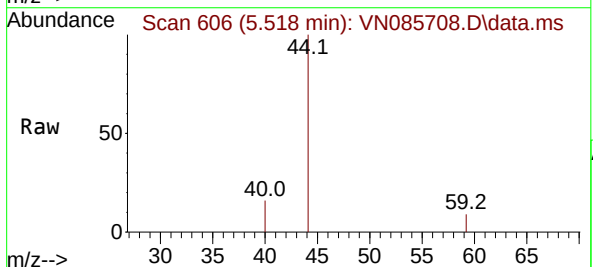
Instrument :
MSVOA_N
ClientSampleId :
WC-2

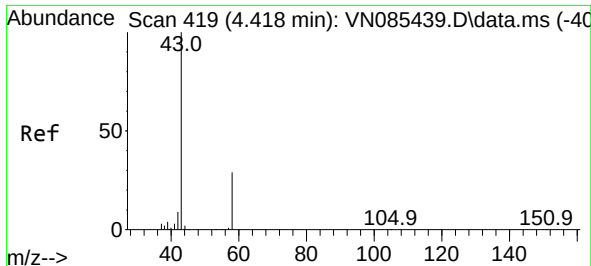
Tgt Ion:168 Resp: 207399
Ion Ratio Lower Upper
168 100
99 64.9 53.6 80.4



#11
Tert butyl alcohol
Concen: 0.383 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Tgt Ion: 59 Resp: 147
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

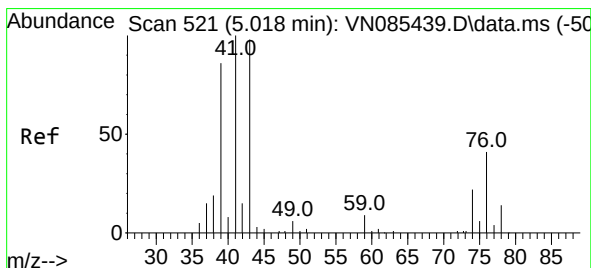
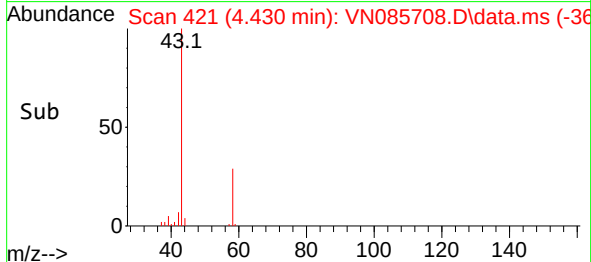
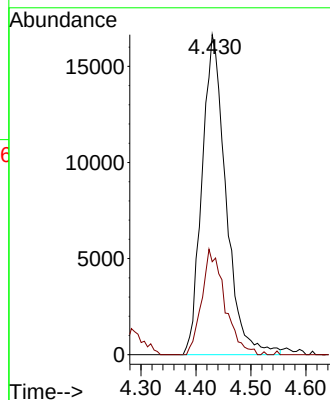
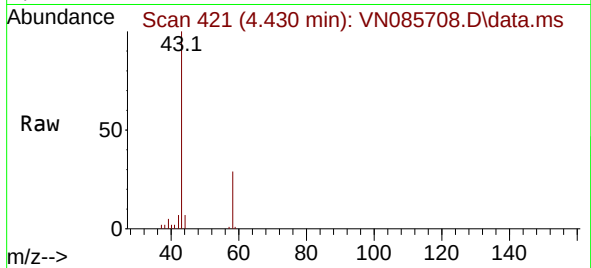




#16
Acetone
Concen: 46.609 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

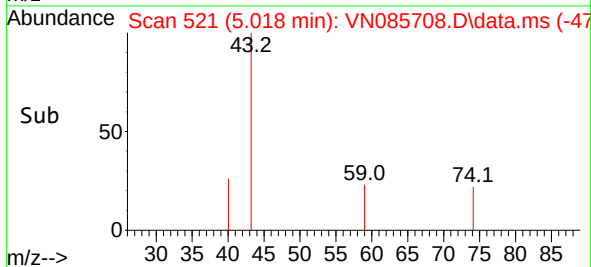
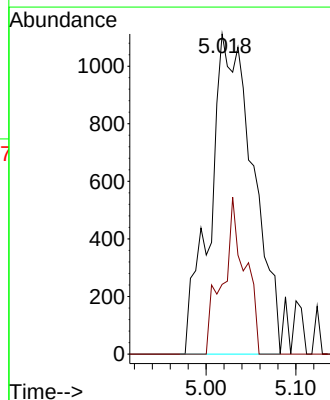
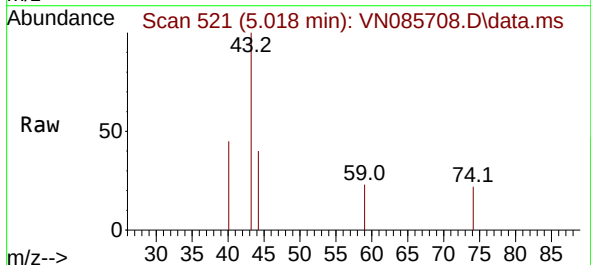
Instrument :
MSVOA_N
ClientSampleId :
WC-2

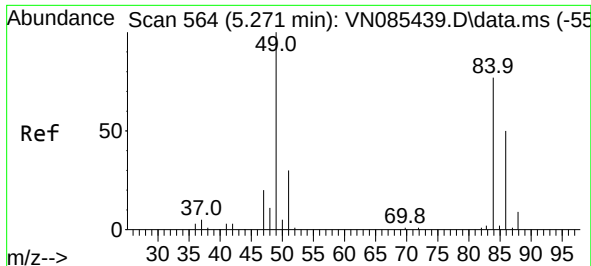
Tgt Ion: 43 Resp: 50418
Ion Ratio Lower Upper
43 100
58 29.1 23.8 35.6



#18
Methyl Acetate
Concen: 1.122 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

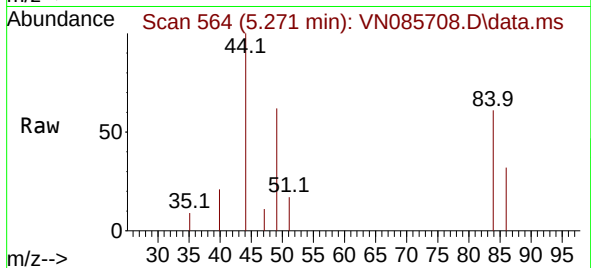
Tgt Ion: 43 Resp: 3690
Ion Ratio Lower Upper
43 100
74 25.6 18.6 28.0



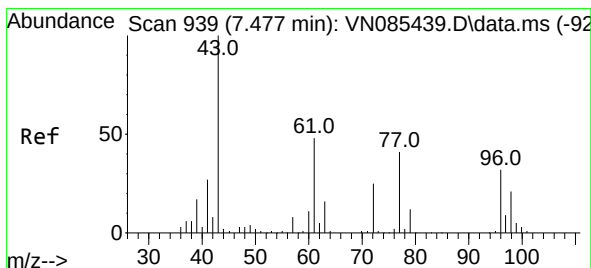
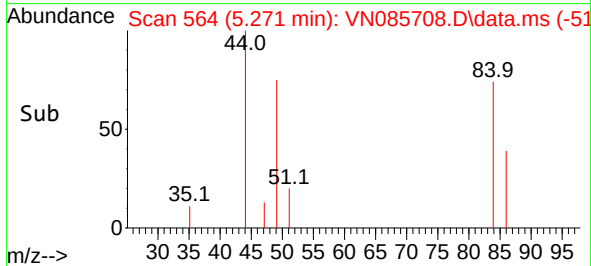
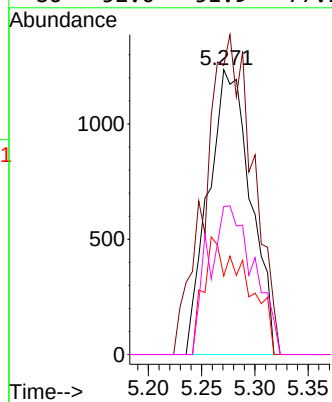


#20
Methylene Chloride
Concen: 1.273 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Instrument :
MSVOA_N
ClientSampleId :
WC-2

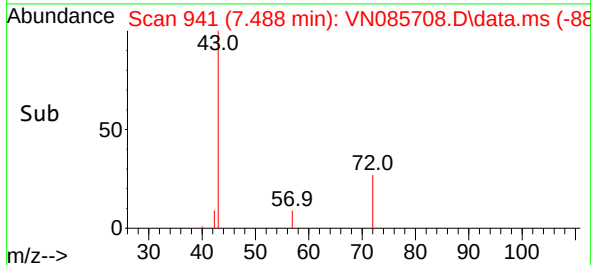
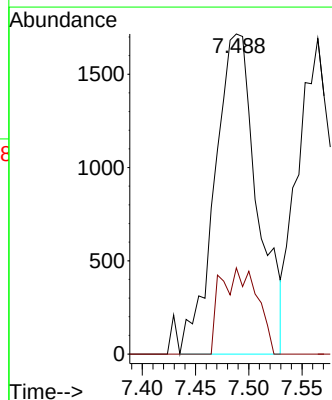
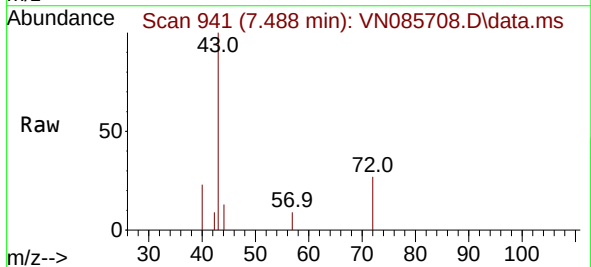


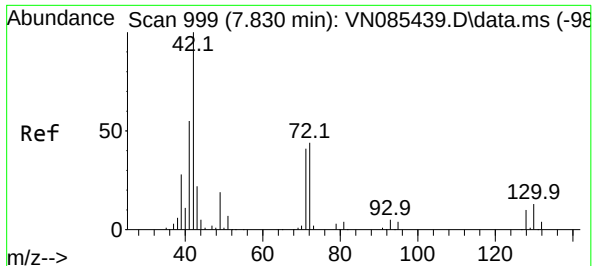
Tgt Ion: 84	Resp: 3409
Ion Ratio	Lower Upper
84	100
49	101.5 104.1 156.1#
51	27.5 31.0 46.4#
86	52.0 51.9 77.9



#25
2-Butanone
Concen: 3.004 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Tgt Ion: 43	Resp: 4782
Ion Ratio	Lower Upper
43	100
72	26.9 20.2 30.4





#29

Tetrahydrofuran

Concen: 0.230 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.017 min

Lab File: VN085708.D

Acq: 07 Feb 2025 19:54

Instrument :

MSVOA_N

ClientSampleId :

WC-2

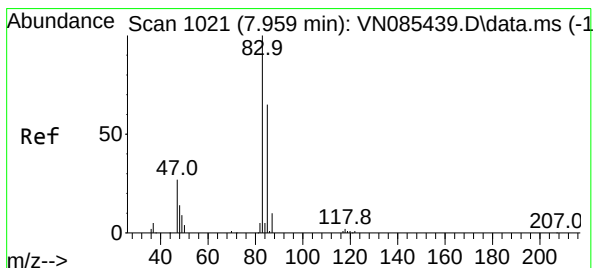
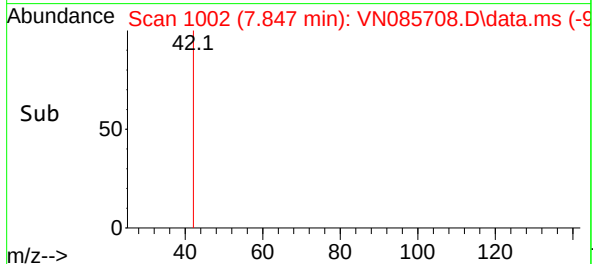
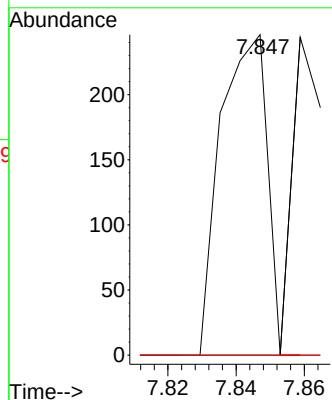
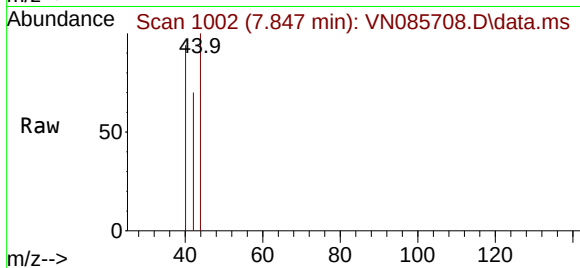
Tgt Ion: 42 Resp: 232

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

71 0.0 32.5 48.7#



#30

Chloroform

Concen: 0.204 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085708.D

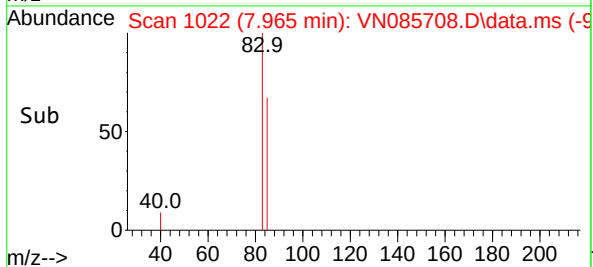
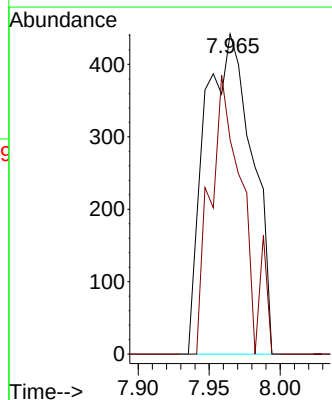
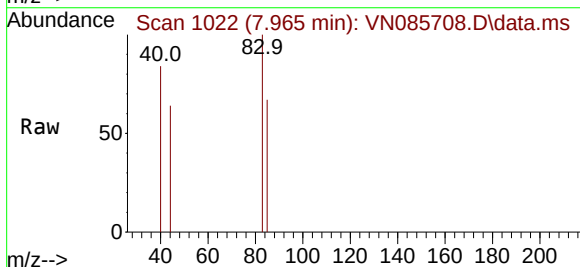
Acq: 07 Feb 2025 19:54

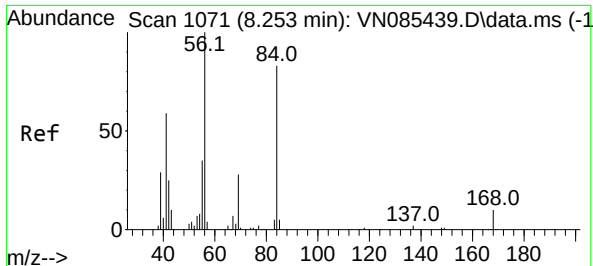
Tgt Ion: 83 Resp: 1033

Ion Ratio Lower Upper

83 100

85 67.0 51.8 77.6

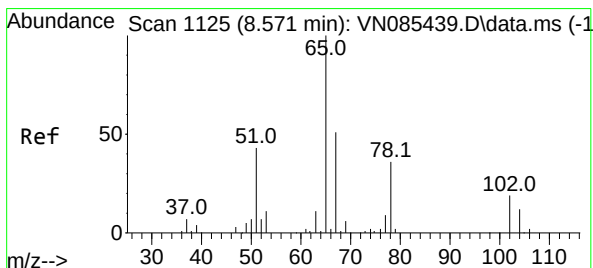
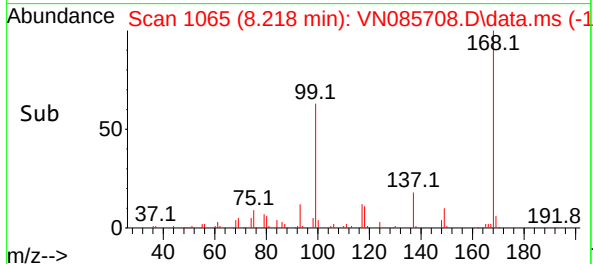
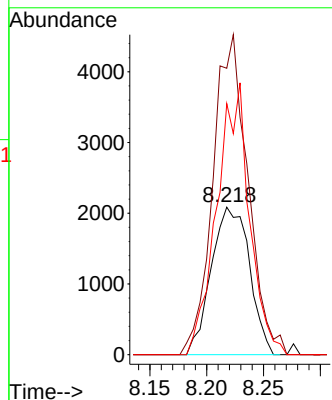
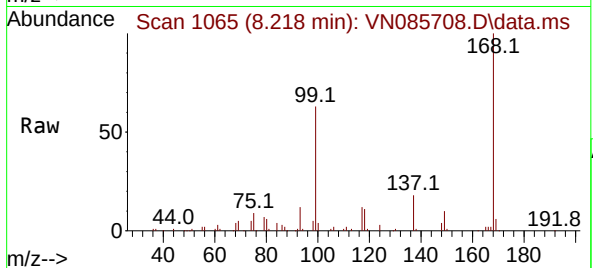




#31
Cyclohexane
Concen: 1.147 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.036 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

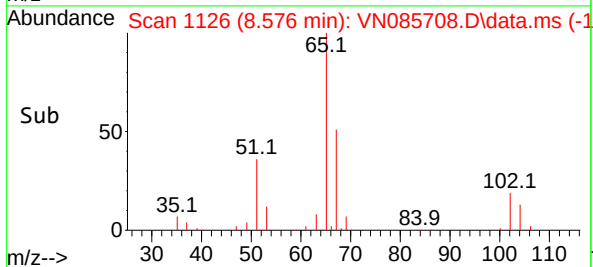
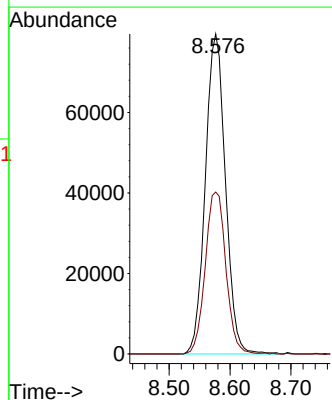
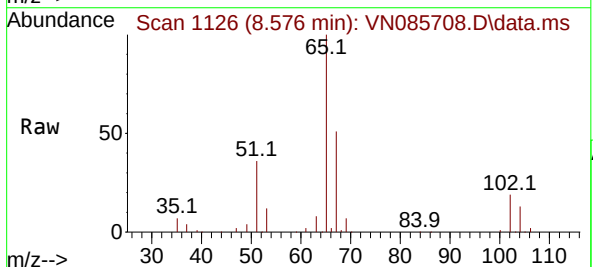
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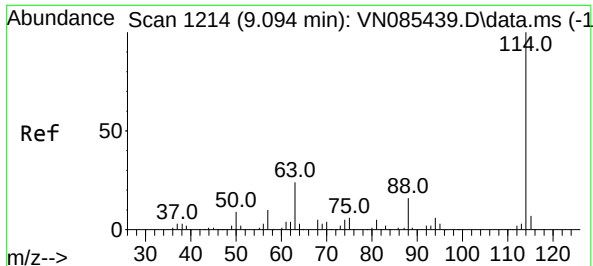
Tgt Ion: 56 Resp: 4874
Ion Ratio Lower Upper
56 100
69 194.1 22.2 33.4#
84 170.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.382 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Tgt Ion: 65 Resp: 182063
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.6

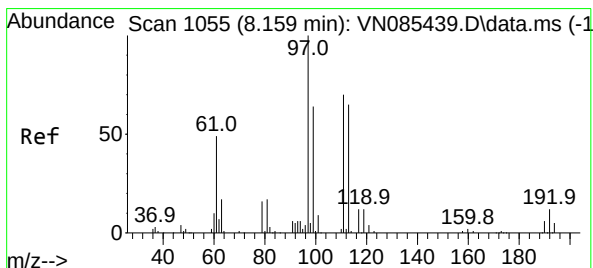
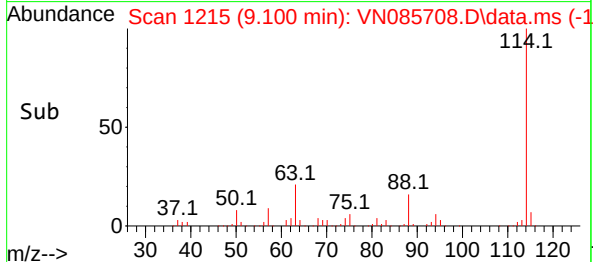
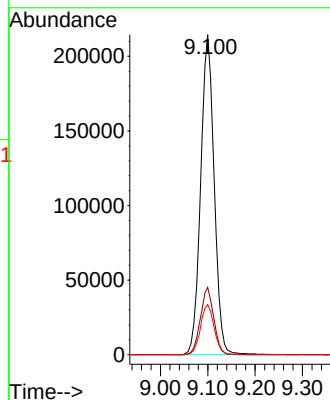
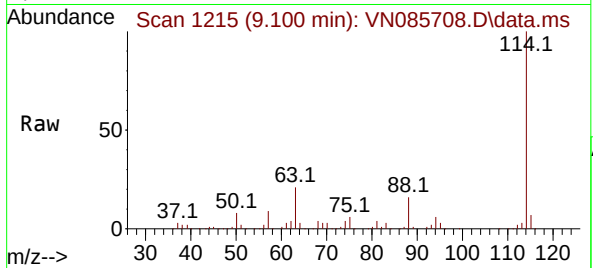




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

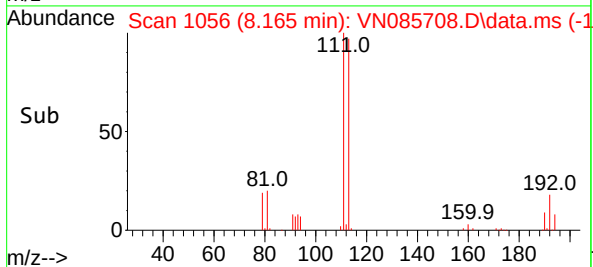
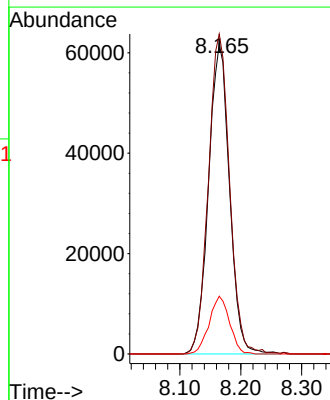
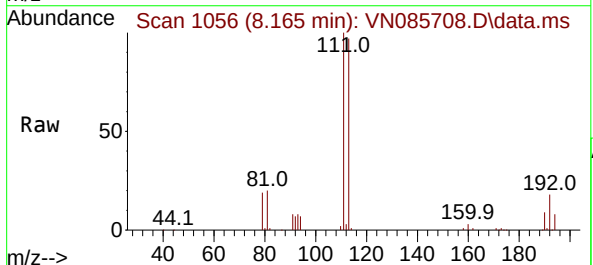
Instrument :
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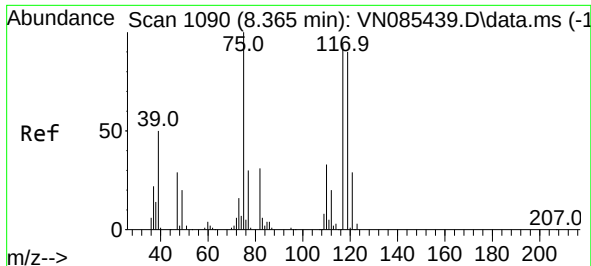
Tgt Ion:114 Resp: 424127
Ion Ratio Lower Upper
114 100
63 21.0 0.0 47.6
88 15.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.157 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Tgt Ion:113 Resp: 147581
Ion Ratio Lower Upper
113 100
111 104.2 82.7 124.1
192 18.1 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 8.223 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN085708.D

Acq: 07 Feb 2025 19:54

Instrument :

MSVOA_N

ClientSampleId :

WC-2

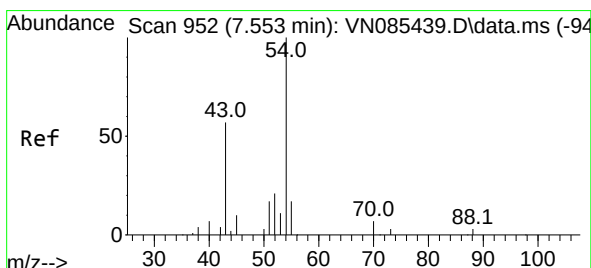
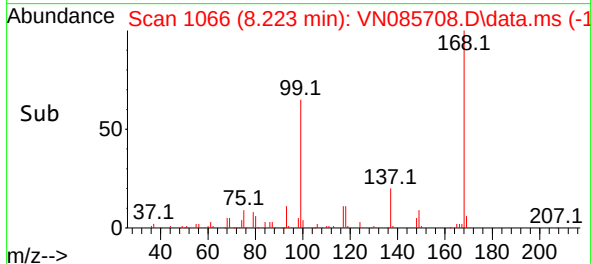
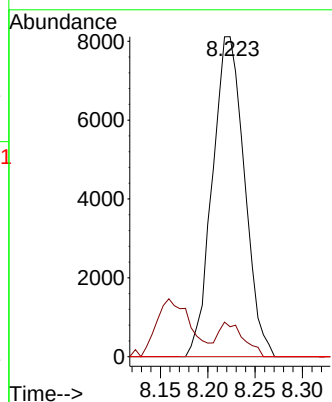
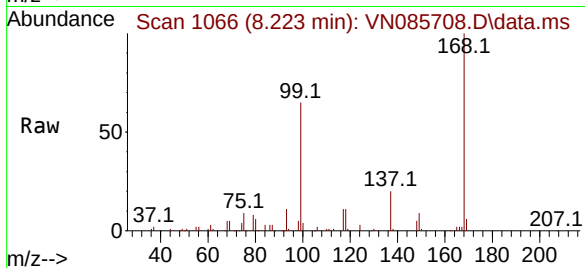
Tgt Ion: 75 Resp: 19072

Ion Ratio Lower Upper

75 100

110 8.9 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.031 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085708.D

Acq: 07 Feb 2025 19:54

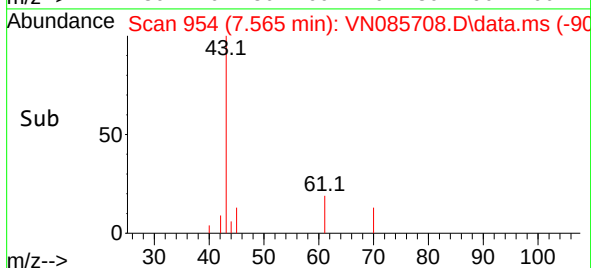
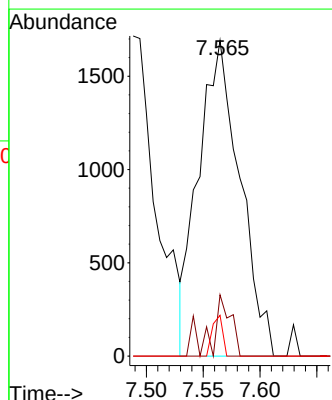
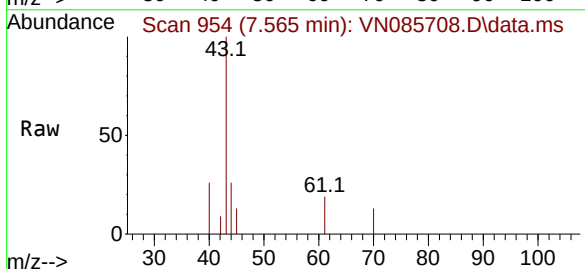
Tgt Ion: 43 Resp: 4296

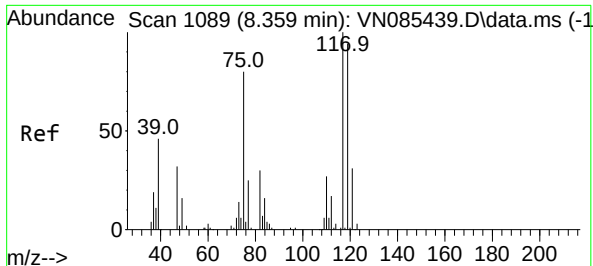
Ion Ratio Lower Upper

43 100

61 7.5 10.9 16.3#

70 3.2 7.5 11.3#

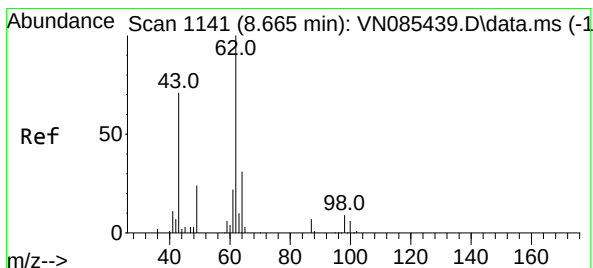
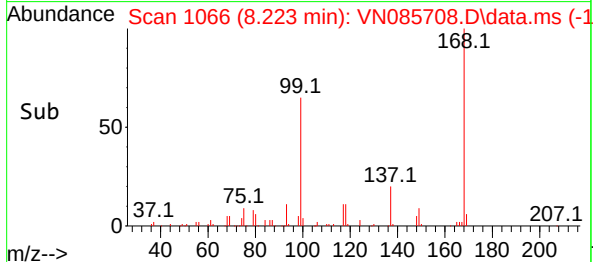
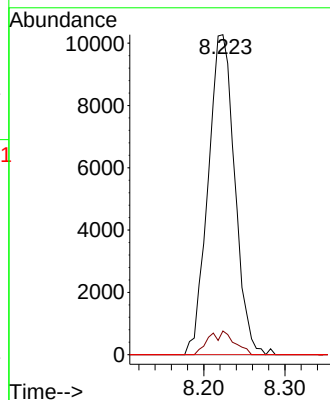
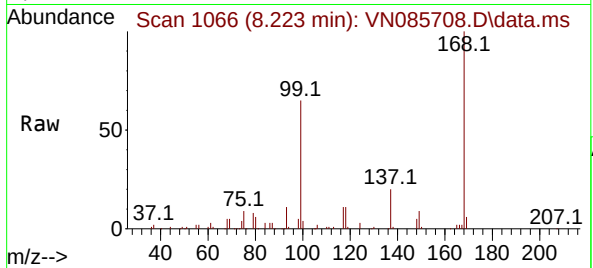




#38
Carbon Tetrachloride
Concen: 4.961 ug/l
RT: 8.223 min Scan# 1106
Delta R.T. -0.136 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

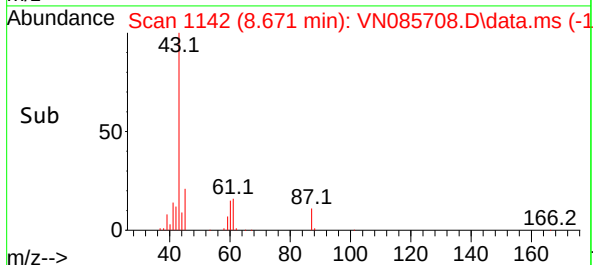
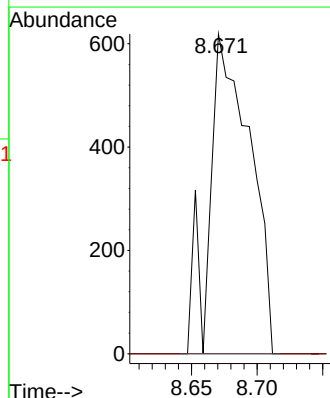
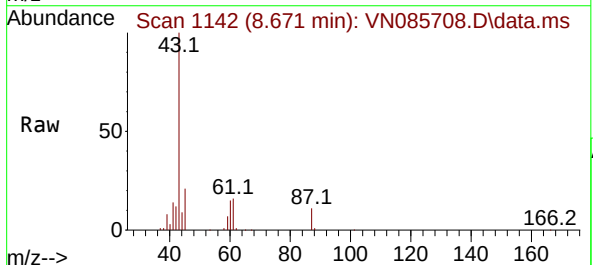
Instrument :
MSVOA_N
ClientSampleId :
WC-2

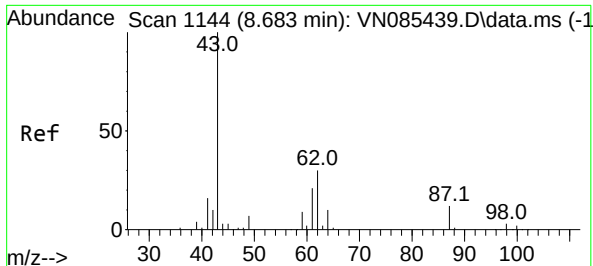
Tgt Ion:117 Resp: 23453
Ion Ratio Lower Upper
117 100
119 7.4 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.286 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Tgt Ion: 62 Resp: 1336
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

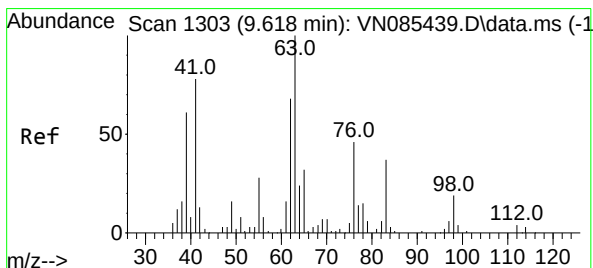
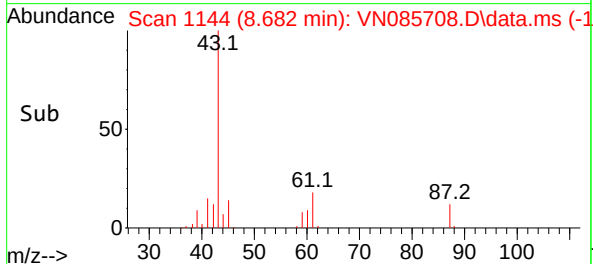
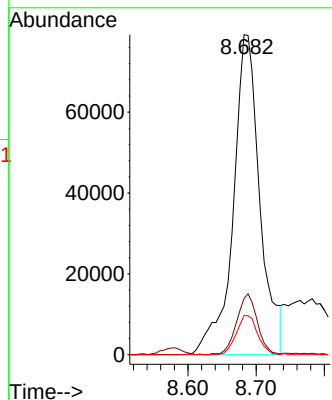
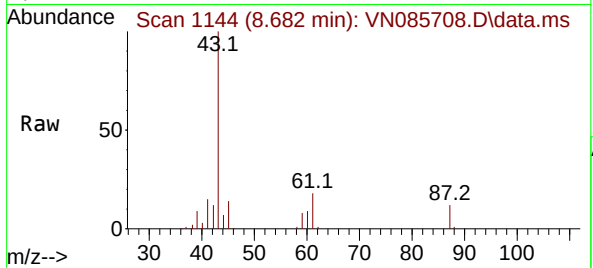




#43
Isopropyl Acetate
Concen: 32.277 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

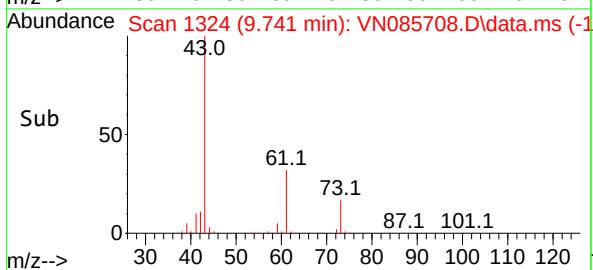
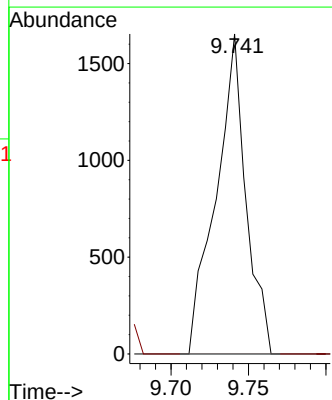
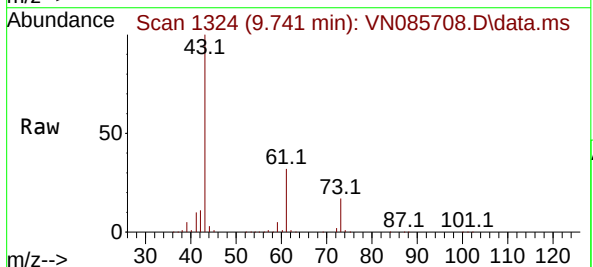
Instrument :
MSVOA_N
ClientSampleId :
WC-2

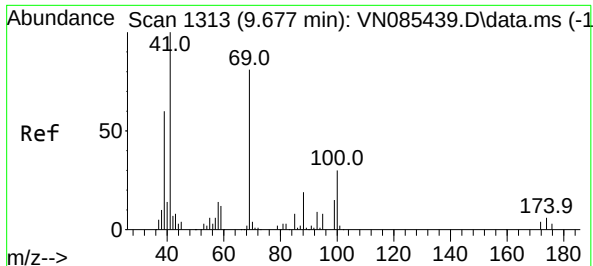
Tgt Ion: 43 Resp: 215579
Ion Ratio Lower Upper
43 100
61 14.7 20.7 31.1#
87 9.7 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 0.701 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Tgt Ion: 63 Resp: 2223
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 52.206 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN085708.D

Acq: 07 Feb 2025 19:54

Instrument :

MSVOA_N

ClientSampleId :

WC-2

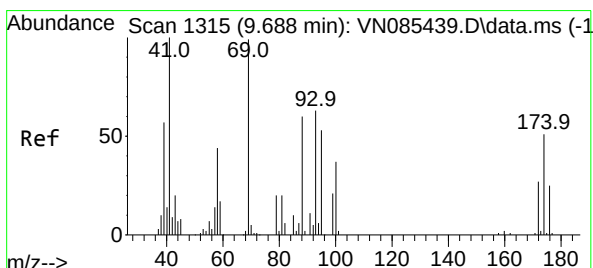
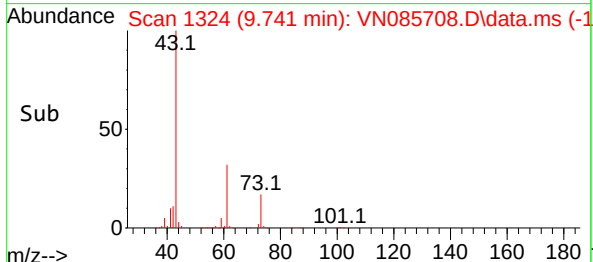
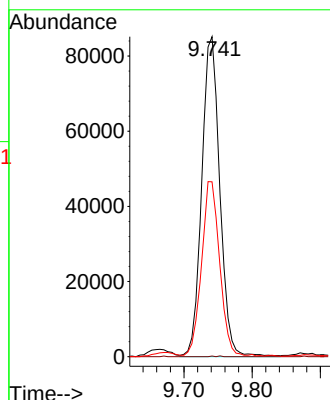
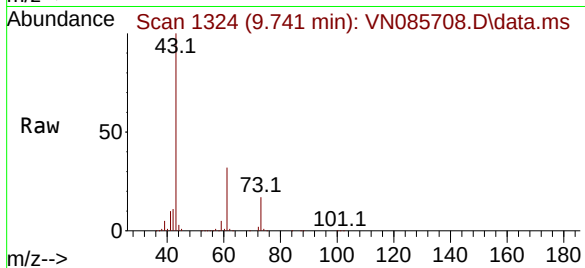
Tgt Ion: 41 Resp: 156916

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 54.8 49.0 73.6



#49

1,4-Dioxane

Concen: 1.363 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.053 min

Lab File: VN085708.D

Acq: 07 Feb 2025 19:54

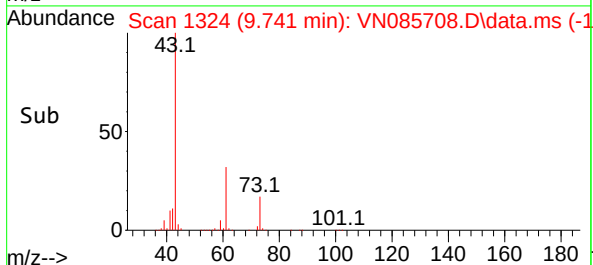
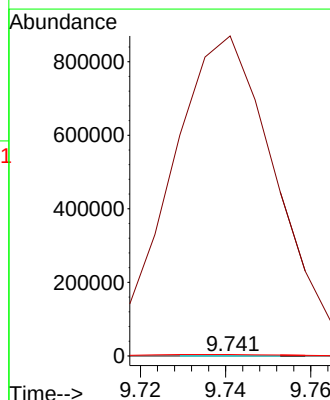
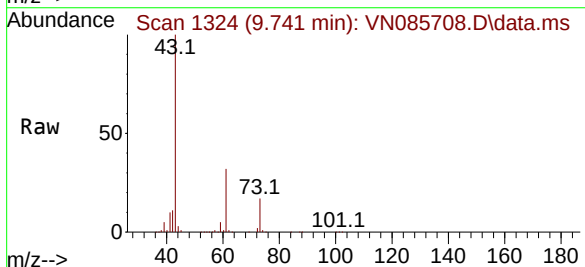
Tgt Ion: 88 Resp: 69

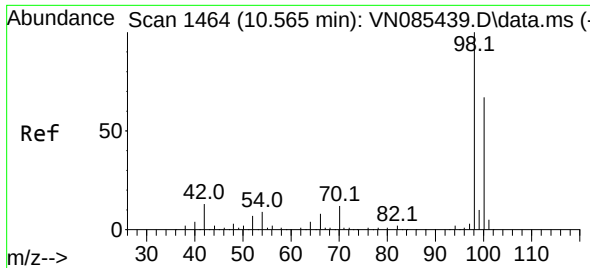
Ion Ratio Lower Upper

88 100

43 2231117.4 26.6 39.8#

58 13765.2 59.5 89.3#

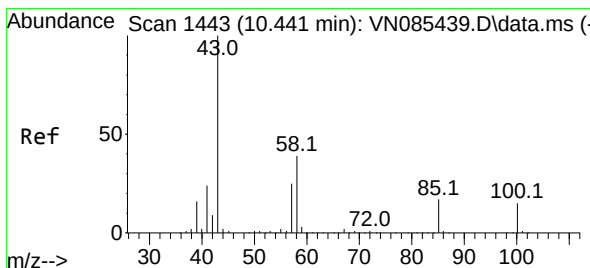
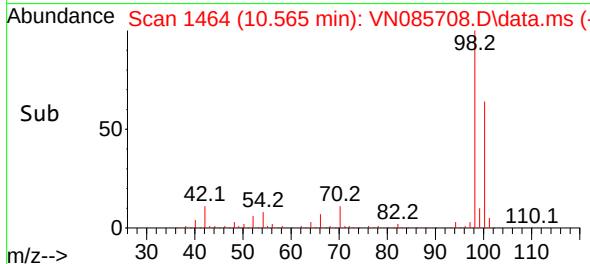
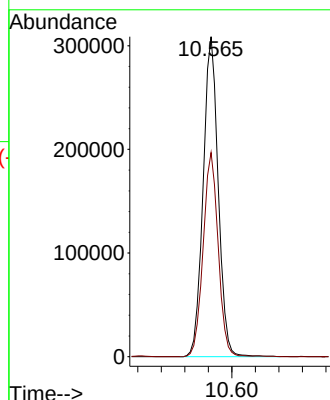
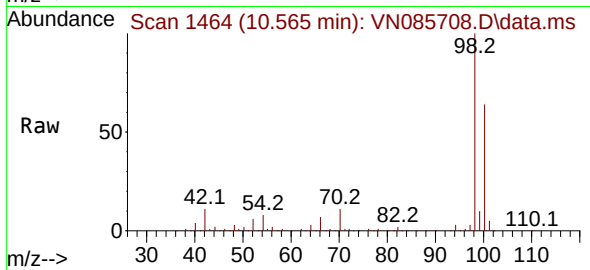




#50
Toluene-d8
Concen: 52.693 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

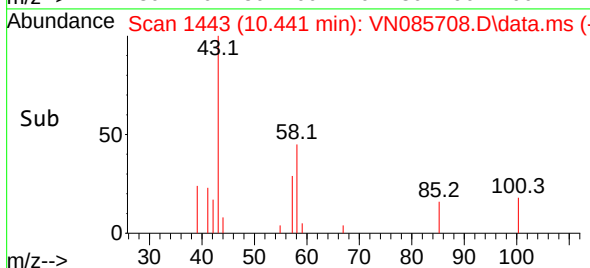
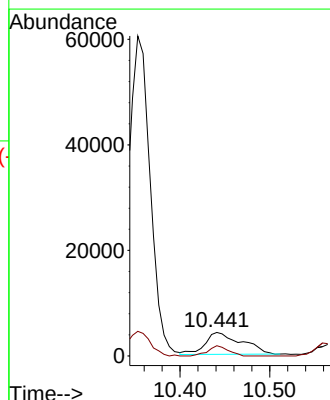
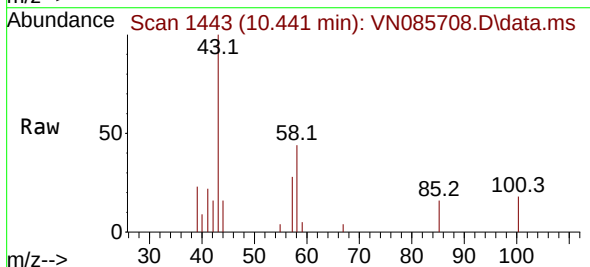
Instrument :
MSVOA_N
ClientSampleId :
WC-2

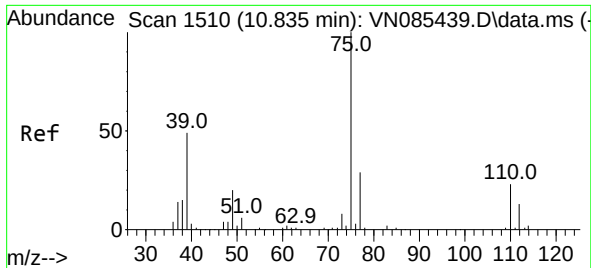
Tgt Ion: 98 Resp: 550864
Ion Ratio Lower Upper
98 100
100 63.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.049 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Tgt Ion: 43 Resp: 11816
Ion Ratio Lower Upper
43 100
58 25.6 30.5 45.7#

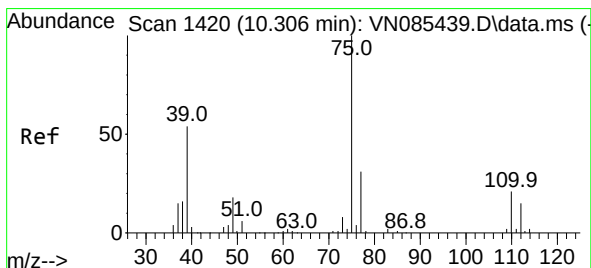
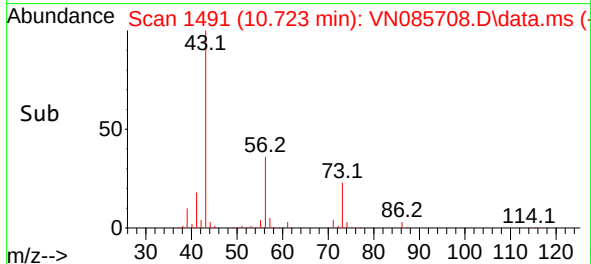
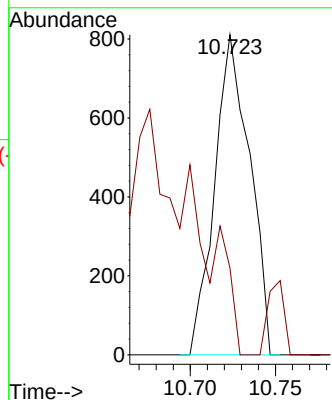
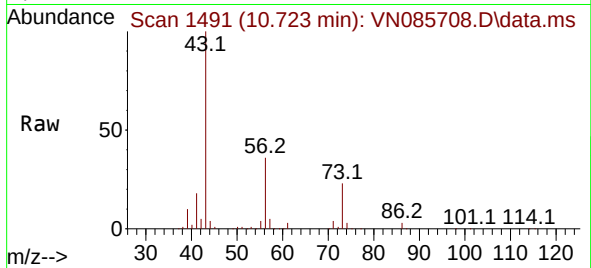




#53
 t-1,3-Dichloropropene
 Concen: 0.264 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085708.D
 Acq: 07 Feb 2025 19:54

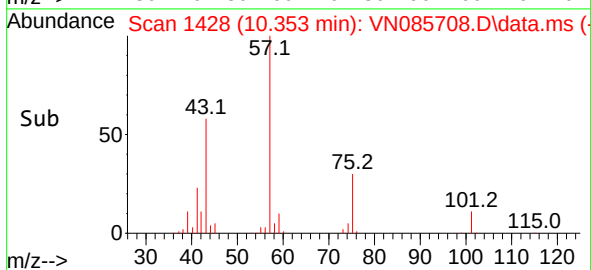
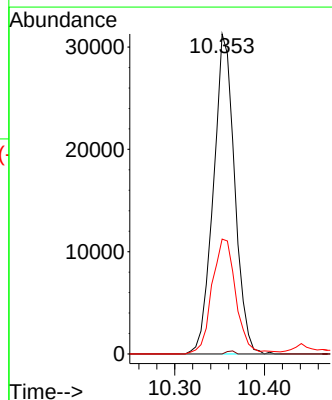
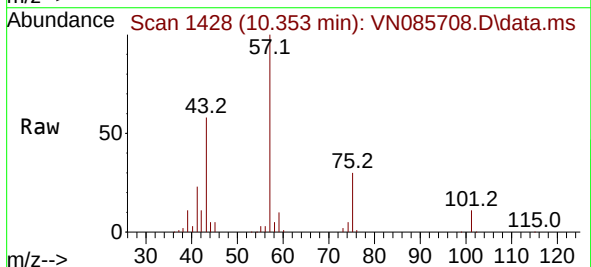
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2

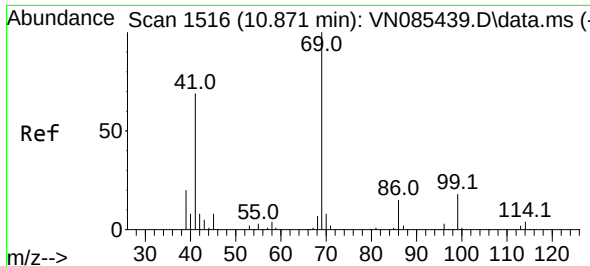
Tgt Ion: 75 Resp: 1162
 Ion Ratio Lower Upper
 75 100
 77 3.9 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 10.911 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085708.D
 Acq: 07 Feb 2025 19:54

Tgt Ion: 75 Resp: 51315
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 35.9 43.1 64.7#

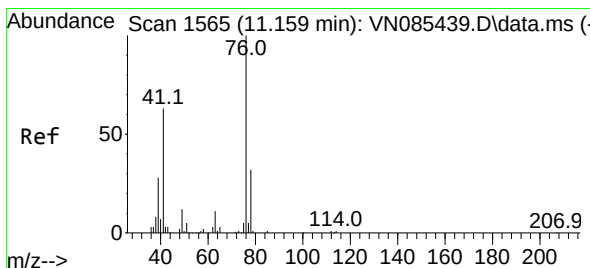
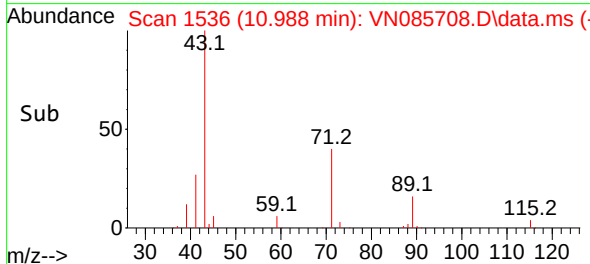
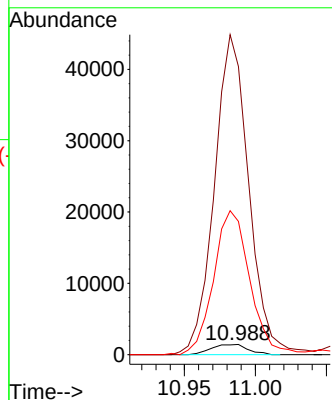
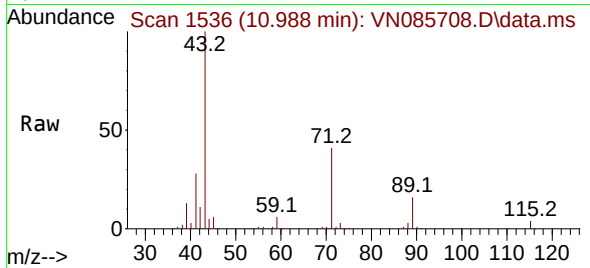




#56
Ethyl methacrylate
Concen: 2.448 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

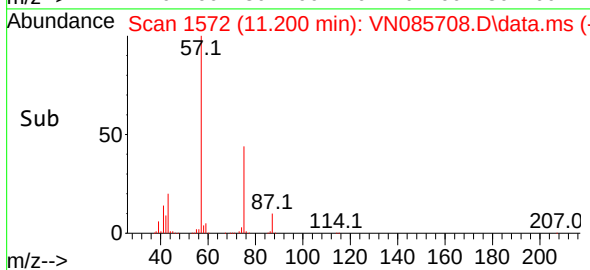
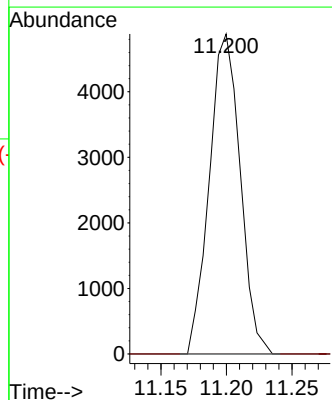
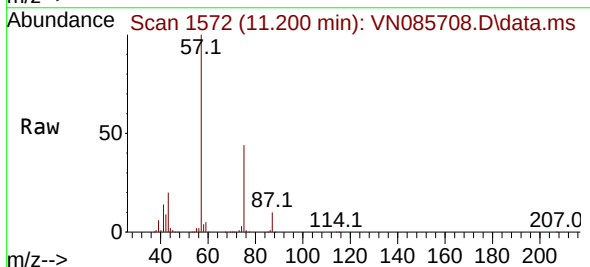
Instrument :
MSVOA_N
ClientSampleId :
WC-2

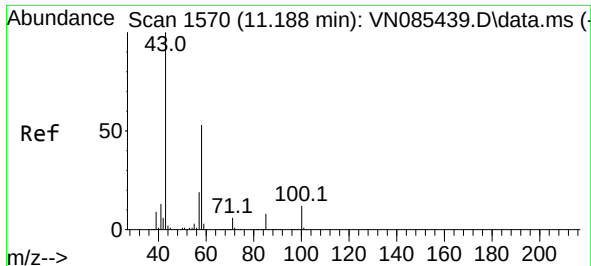
Tgt Ion: 69 Resp: 2576
Ion Ratio Lower Upper
69 100
41 2942.4 54.6 82.0#
39 1391.7 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.614 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Tgt Ion: 76 Resp: 7984
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

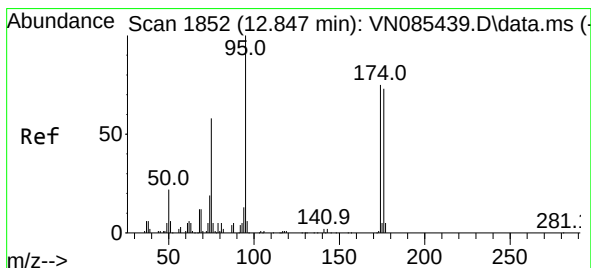
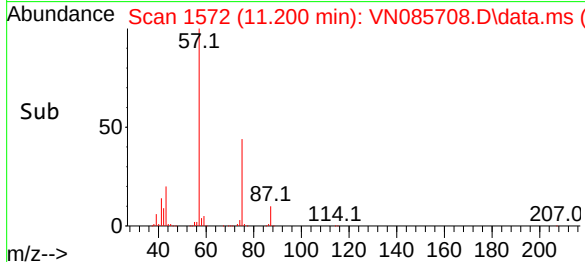
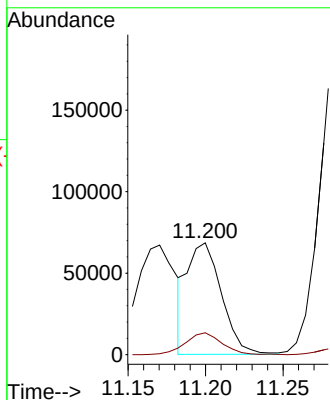
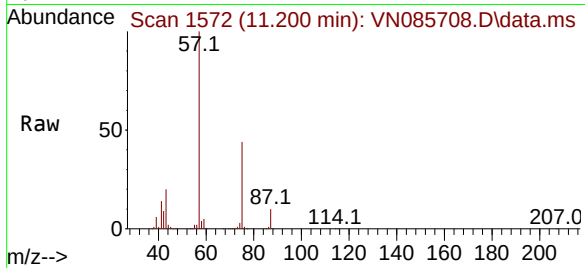




#59
2-Hexanone
Concen: 38.294 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

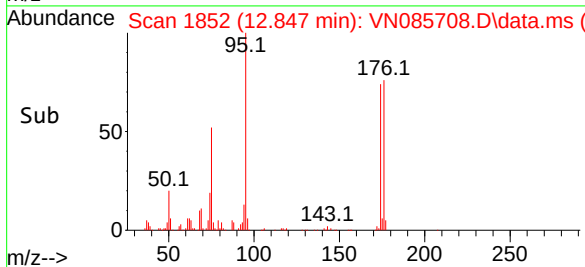
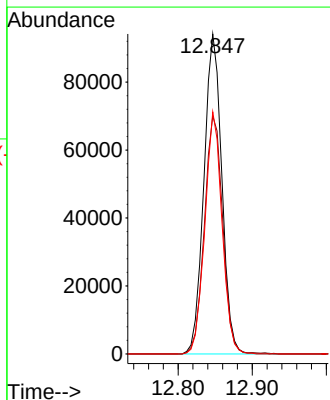
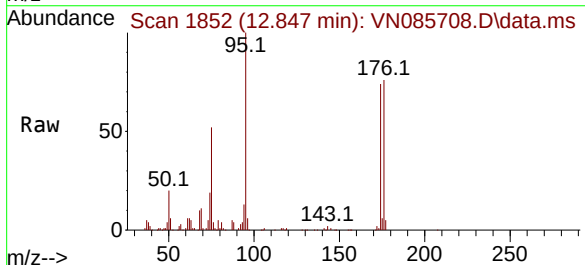
Instrument :
MSVOA_N
ClientSampleId :
WC-2

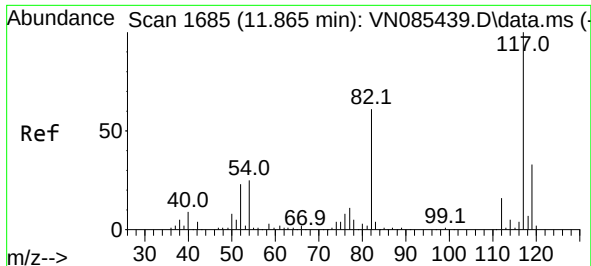
Tgt Ion: 43 Resp: 104431
Ion Ratio Lower Upper
43 100
58 21.2 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.121 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Tgt Ion: 95 Resp: 157783
Ion Ratio Lower Upper
95 100
174 76.5 0.0 145.0
176 72.7 0.0 142.4

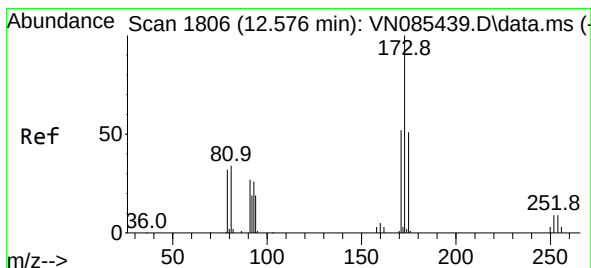
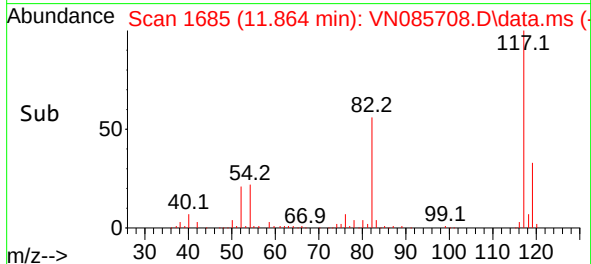
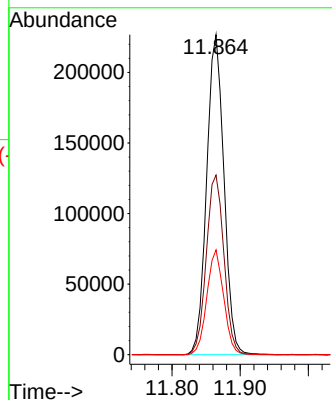
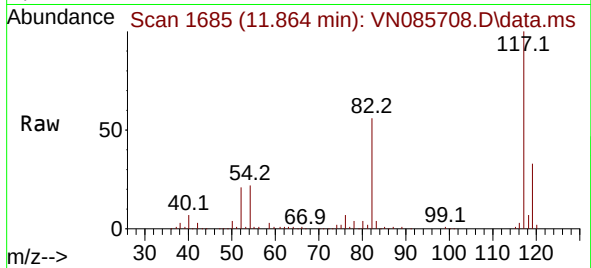




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

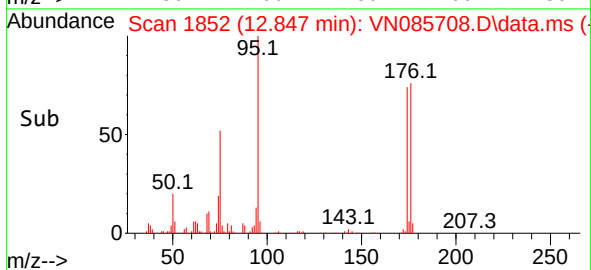
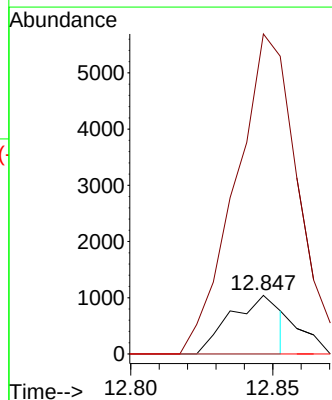
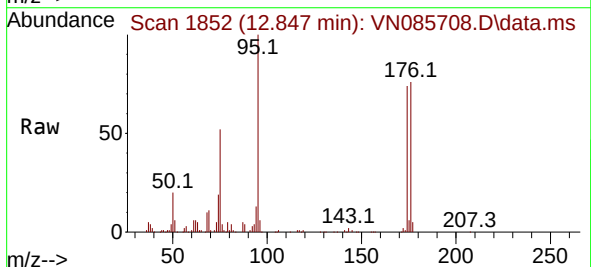
Instrument :
MSVOA_N
ClientSampleId :
WC-2

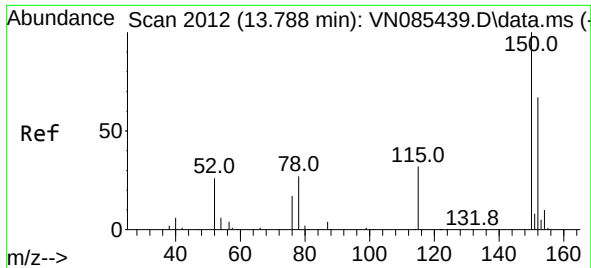
Tgt Ion:117 Resp: 400322
Ion Ratio Lower Upper
117 100
82 56.1 48.6 72.8
119 32.8 26.6 39.8



#71
Bromoform
Concen: 0.557 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Tgt Ion:173 Resp: 1282
Ion Ratio Lower Upper
173 100
175 532.4 24.4 73.2#
254 0.0 0.0 0.0

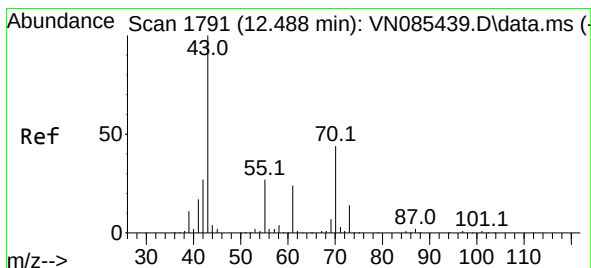
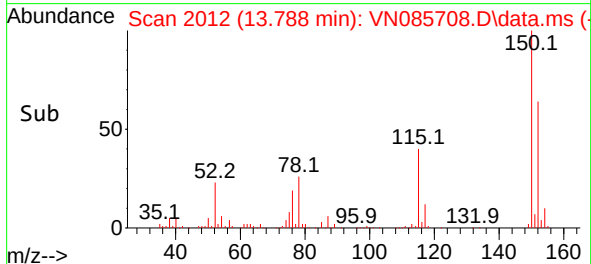
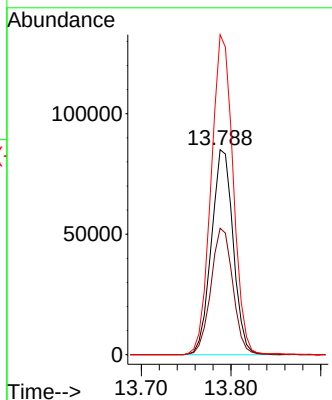
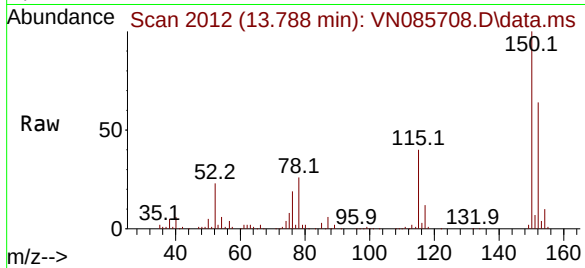




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

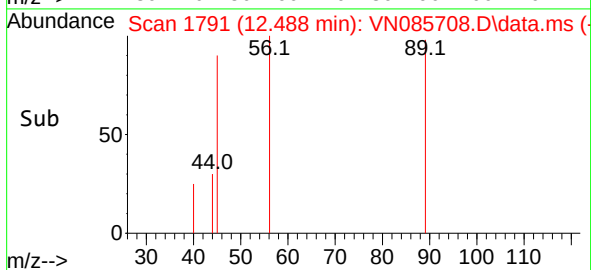
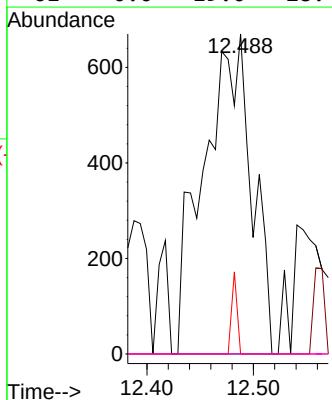
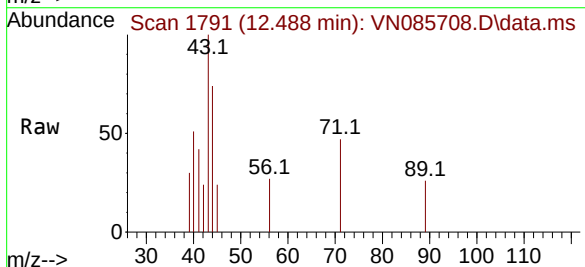
Instrument :
MSVOA_N
ClientSampleId :
WC-2

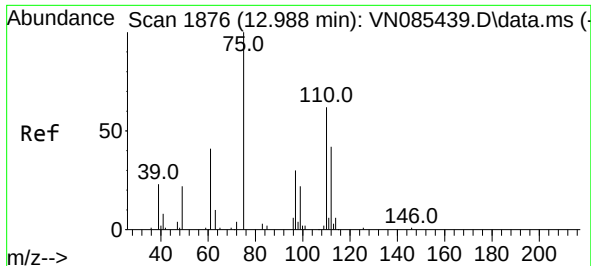
Tgt Ion:152 Resp: 143708
Ion Ratio Lower Upper
152 100
115 62.0 31.1 93.3
150 157.8 0.0 343.6



#74
N-ethyl acetate
Concen: 0.482 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Tgt Ion: 43 Resp: 2102
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 2.9 21.4 32.2#
61 0.0 19.0 28.4#

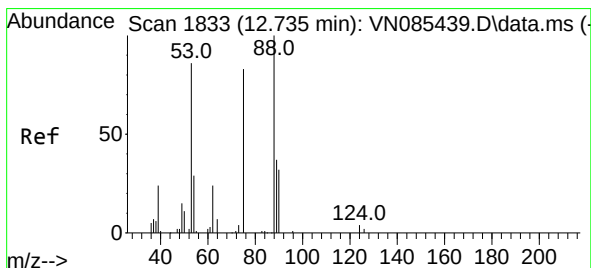
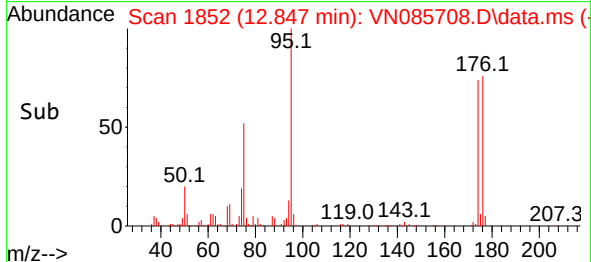
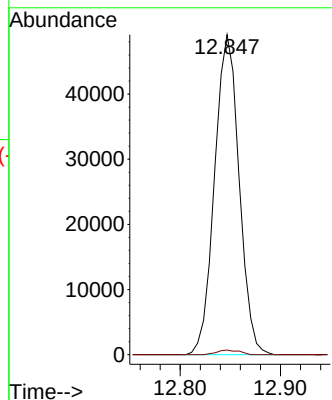
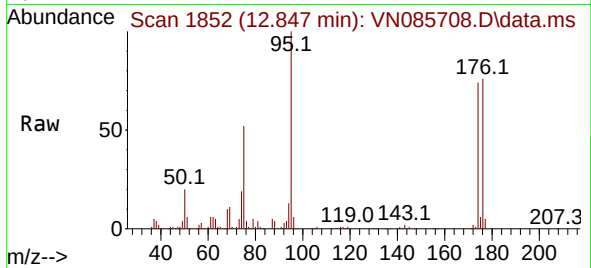




#76
1,2,3-Trichloropropane
Concen: 28.518 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Instrument :
MSVOA_N
ClientSampleId :
WC-2

Tgt Ion: 75 Resp: 83298
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.157 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085708.D
Acq: 07 Feb 2025 19:54

Tgt Ion: 75 Resp: 83298
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#

