

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085711.D
 Acq On : 07 Feb 2025 21:06
 Operator : JC\MD
 Sample : Q1309-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-4

Quant Time: Feb 07 22:38:03 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

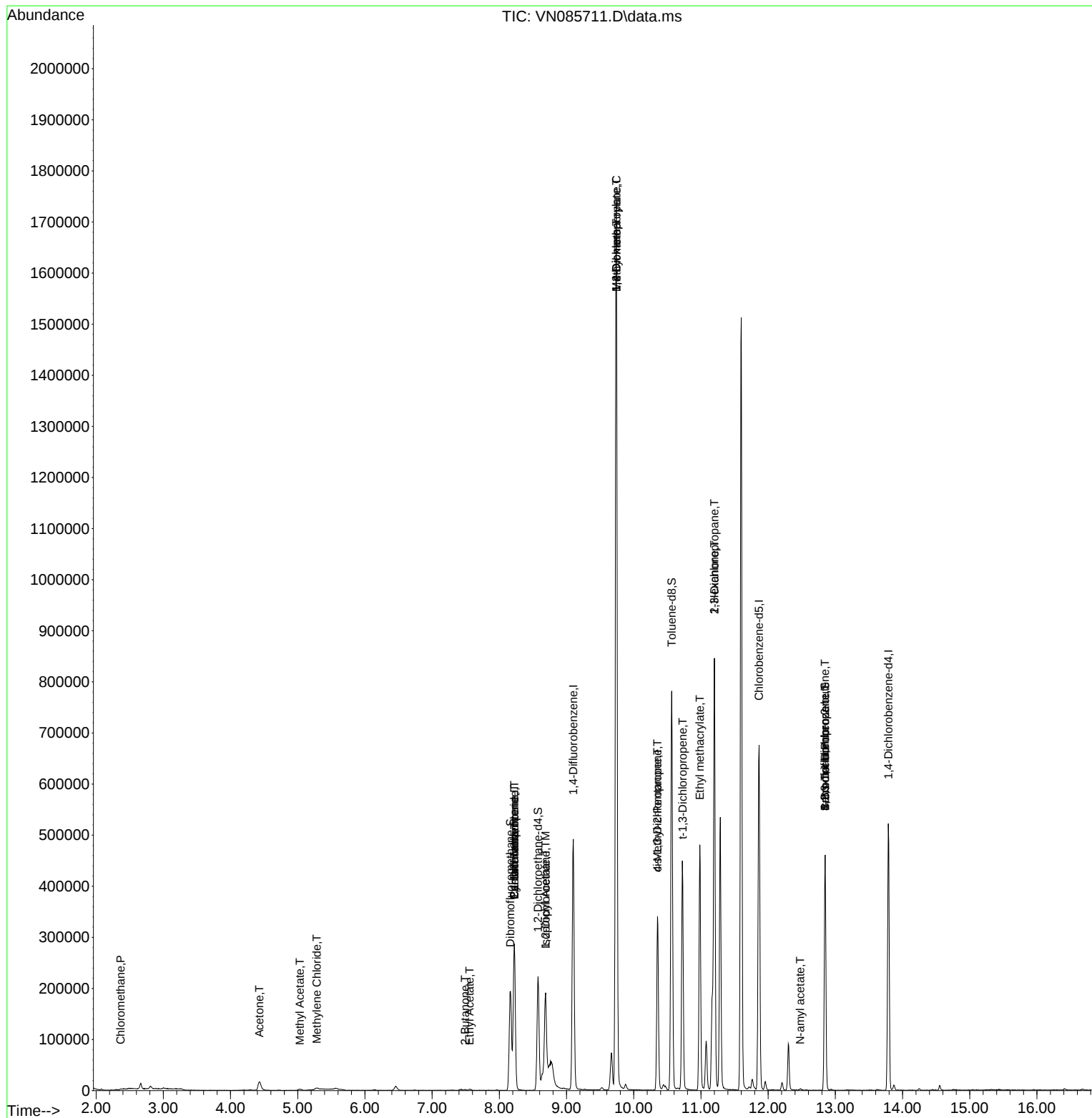
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	198721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	413391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	388532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	178624	55.685	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.360%
35) Dibromofluoromethane	8.165	113	144508	50.388	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.780%
50) Toluene-d8	10.565	98	541121	53.105	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.200%
62) 4-Bromofluorobenzene	12.847	95	153406	44.011	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.020%
Target Compounds						Qvalue
3) Chloromethane	2.365	50	586	0.201	ug/l #	41
16) Acetone	4.430	43	33155	31.989	ug/l	96
18) Methyl Acetate	5.030	43	4530	1.437	ug/l	96
20) Methylene Chloride	5.283	84	1848	0.720	ug/l #	67
25) 2-Butanone	7.489	43	2935	1.924	ug/l #	87
31) Cyclohexane	8.224	56	5143	1.263	ug/l #	3
36) 1,1-Dichloropropene	8.224	75	17765	4.414	ug/l #	51
37) Ethyl Acetate	7.559	43	4091	1.007	ug/l #	85
38) Carbon Tetrachloride	8.224	117	22342	4.848	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1131	0.248	ug/l #	76
43) Isopropyl Acetate	8.688	43	247405	38.004	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	2234	0.723	ug/l #	43
48) Methyl methacrylate	9.741	41	163480	55.803	ug/l #	14
49) 1,4-Dioxane	9.741	88	130	2.635	ug/l #	1
51) 4-Methyl-2-Pentanone	10.353	43	117266	31.042	ug/l #	50
53) t-1,3-Dichloropropene	10.730	75	985	0.230	ug/l	97
54) cis-1,3-Dichloropropene	10.353	75	59002	12.871	ug/l #	64
56) Ethyl methacrylate	10.982	69	2955	2.539	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8987	1.864	ug/l #	43
59) 2-Hexanone	11.200	43	112701	42.400	ug/l #	55
71) Bromoform	12.847	173	1425	0.638	ug/l #	1
74) N-amyl acetate	12.476	43	2025	0.486	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	81001	29.004	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81001	78.473	ug/l #	3

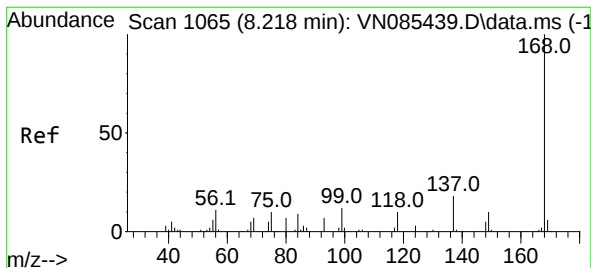
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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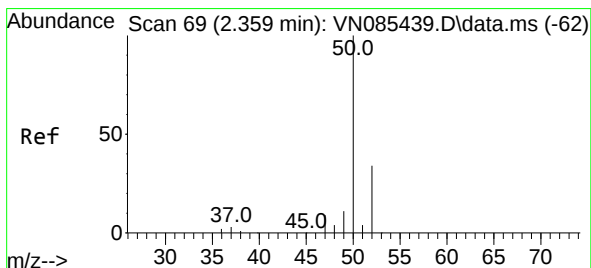
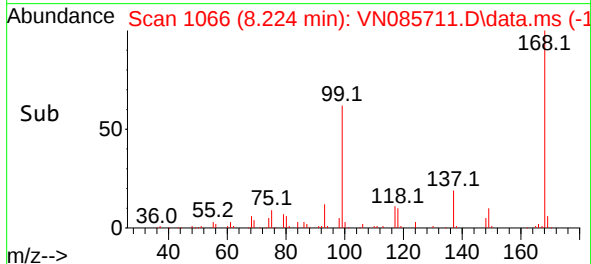
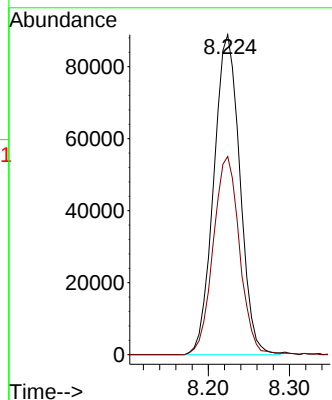
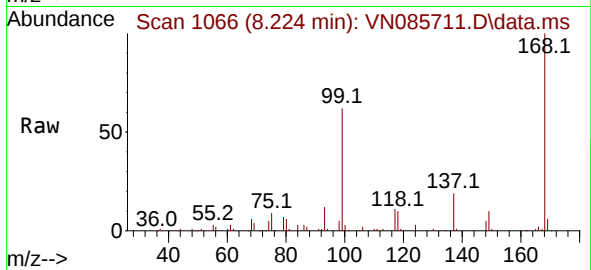




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

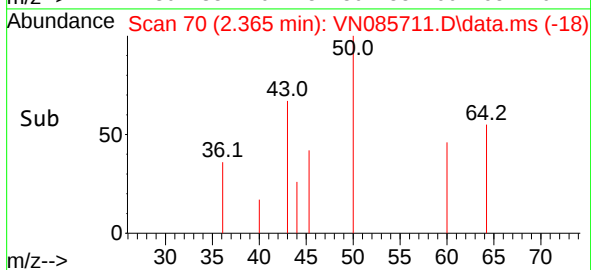
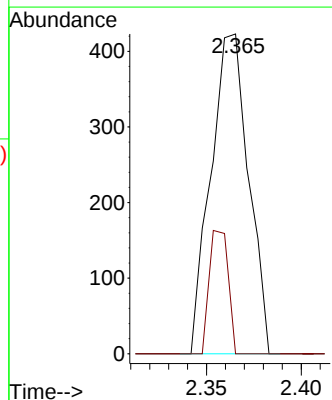
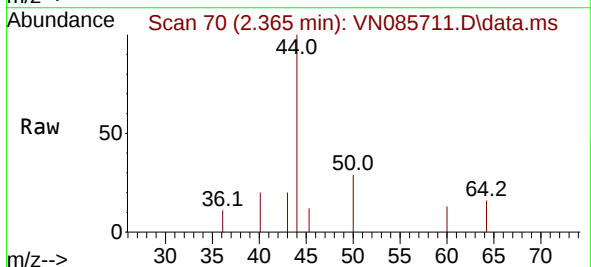
Instrument :
MSVOA_N
ClientSampleId :
WC-4

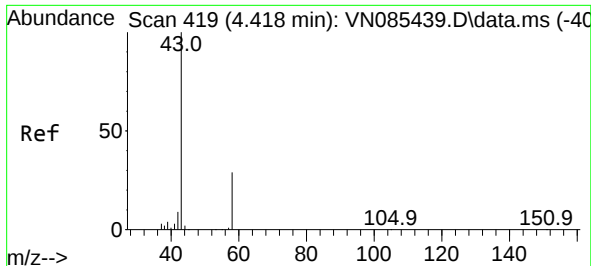
Tgt Ion:168 Resp: 198721
Ion Ratio Lower Upper
168 100
99 62.0 53.6 80.4



#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Tgt Ion: 50 Resp: 586
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

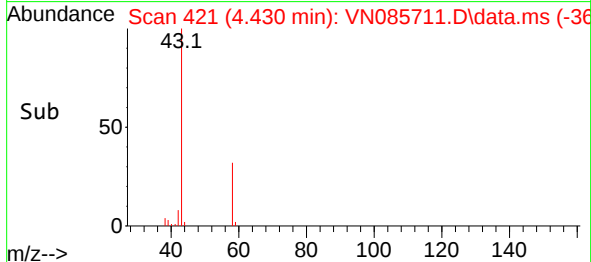
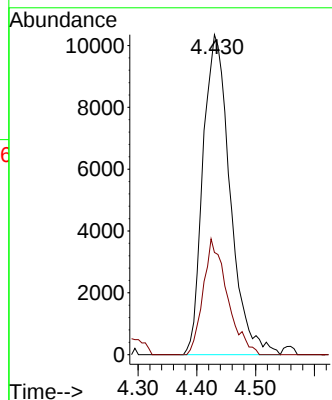
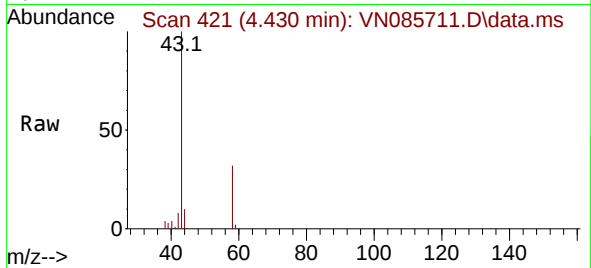




#16
Acetone
Concen: 31.989 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

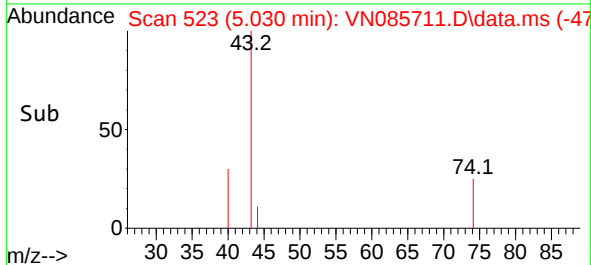
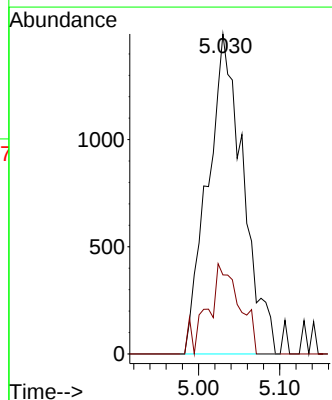
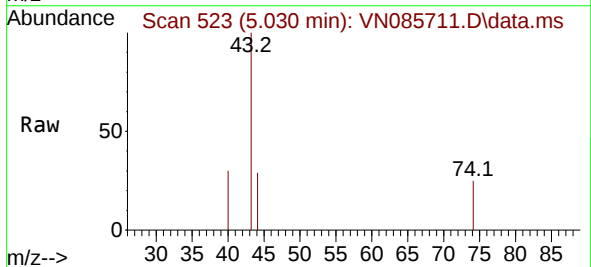
Instrument :
MSVOA_N
ClientSampleId :
WC-4

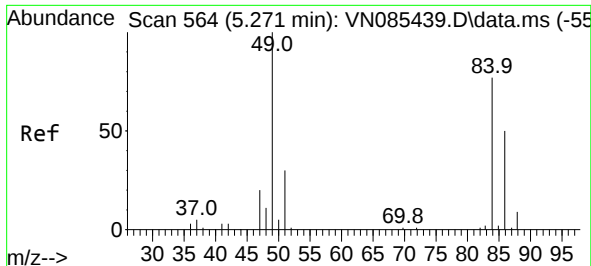
Tgt Ion: 43 Resp: 33155
Ion Ratio Lower Upper
43 100
58 31.9 23.8 35.6



#18
Methyl Acetate
Concen: 1.437 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Tgt Ion: 43 Resp: 4530
Ion Ratio Lower Upper
43 100
74 25.3 18.6 28.0

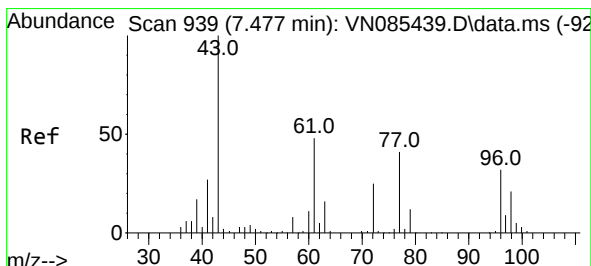
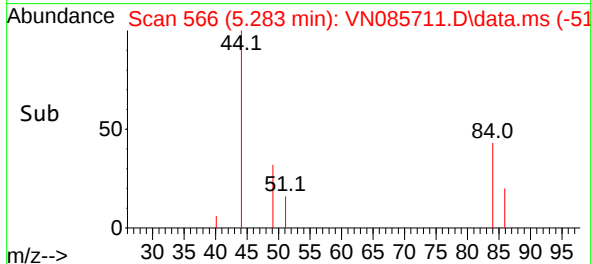
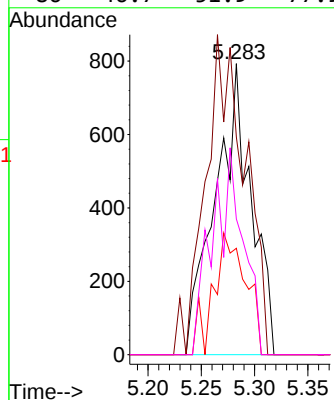
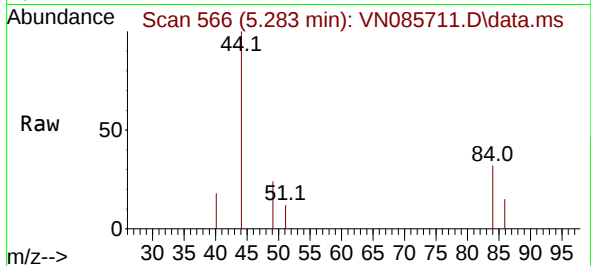




#20
Methylene Chloride
Concen: 0.720 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

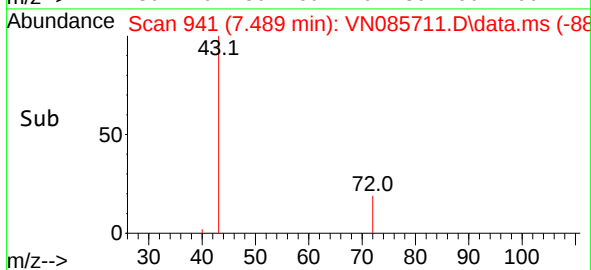
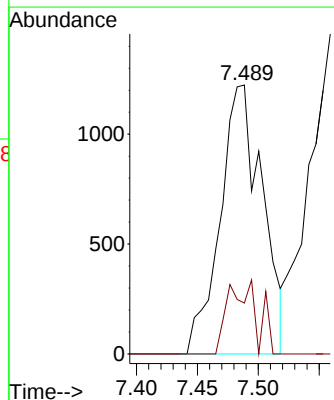
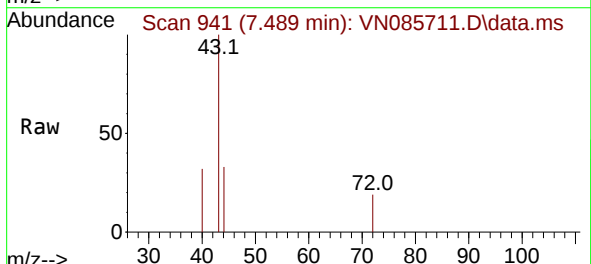
Instrument :
MSVOA_N
ClientSampleId :
WC-4

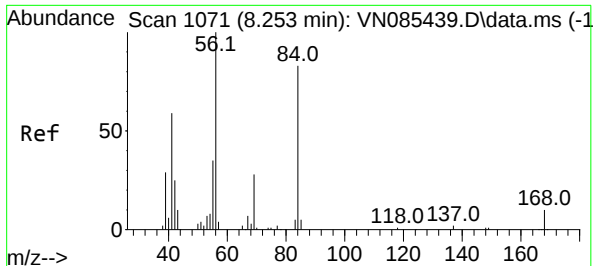
Tgt Ion:	84	Resp:	1848
Ion	Ratio	Lower	Upper
84	100		
49	74.8	104.1	156.1#
51	36.6	31.0	46.4
86	46.7	51.9	77.9#



#25
2-Butanone
Concen: 1.924 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Tgt Ion:	43	Resp:	2935
Ion	Ratio	Lower	Upper
43	100		
72	18.9	20.2	30.4#

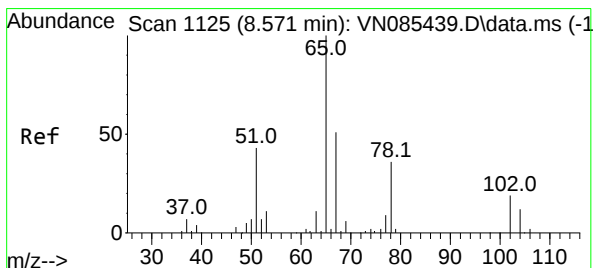
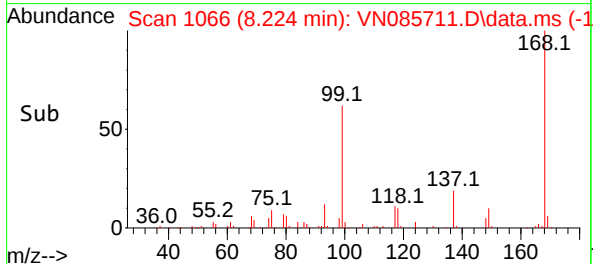
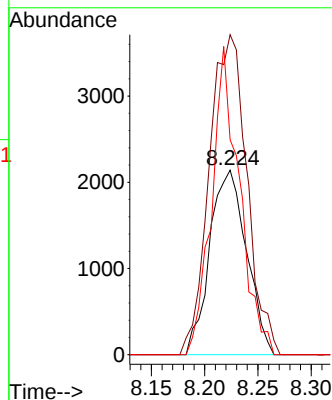
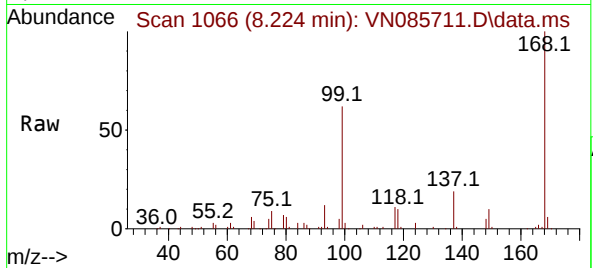




#31
Cyclohexane
Concen: 1.263 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

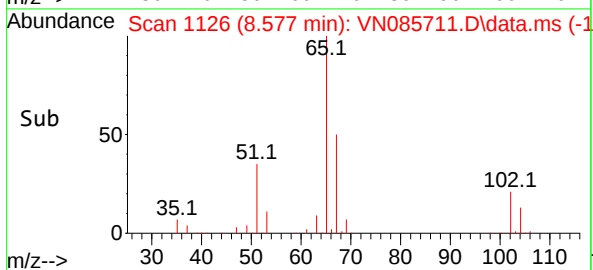
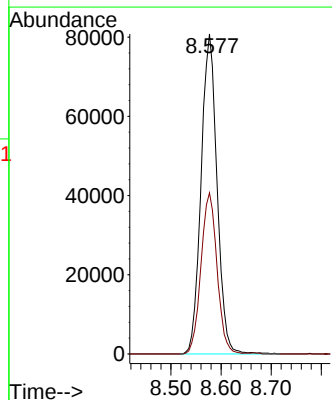
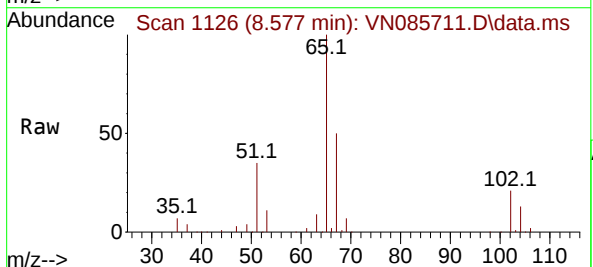
Instrument :
MSVOA_N
ClientSampleId :
WC-4

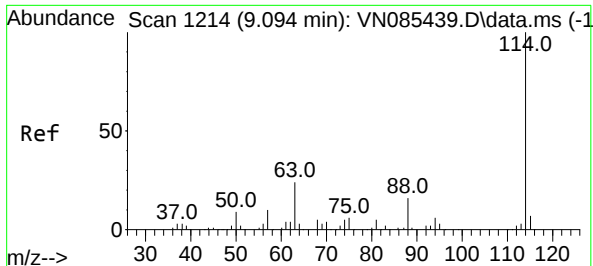
Tgt Ion: 56 Resp: 5143
Ion Ratio Lower Upper
56 100
69 173.4 22.2 33.4#
84 116.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.685 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Tgt Ion: 65 Resp: 178624
Ion Ratio Lower Upper
65 100
67 50.6 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: VN085711.D

Acq: 07 Feb 2025 21:06

Instrument :

MSVOA_N

ClientSampleId :

WC-4

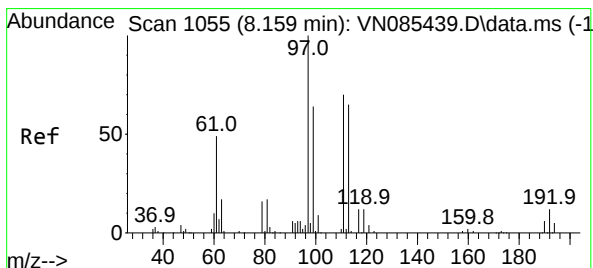
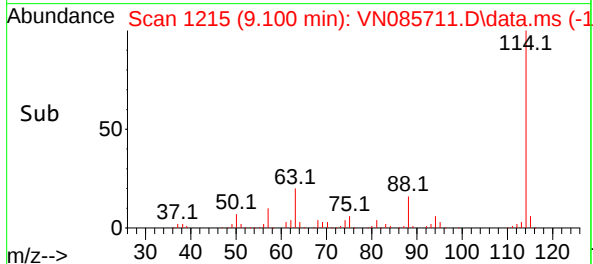
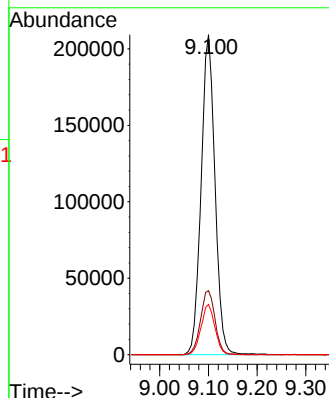
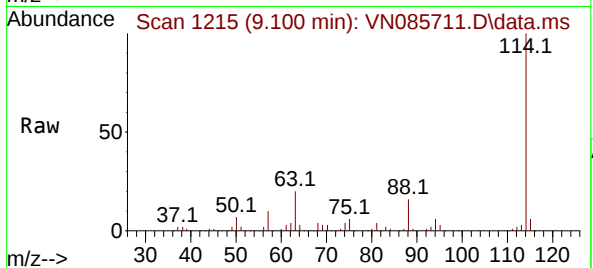
Tgt Ion:114 Resp: 413391

Ion Ratio Lower Upper

114 100

63 20.0 0.0 47.6

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.388 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085711.D

Acq: 07 Feb 2025 21:06

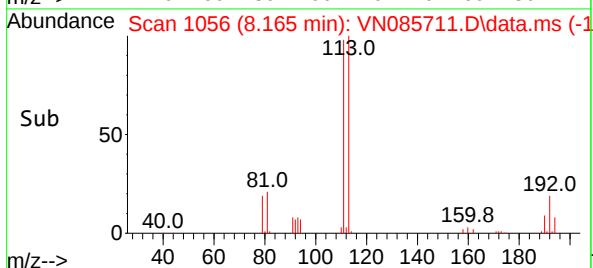
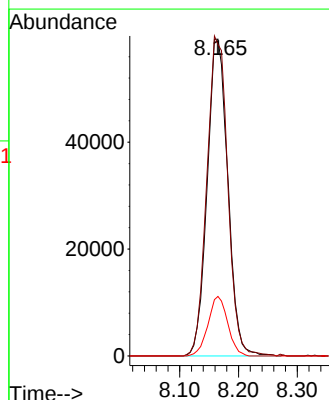
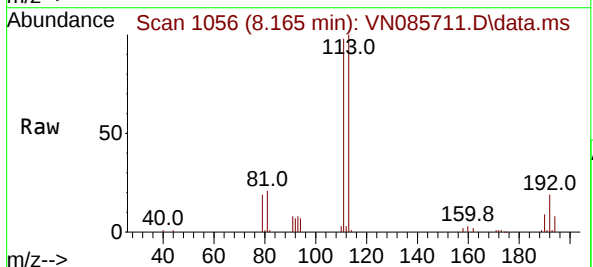
Tgt Ion:113 Resp: 144508

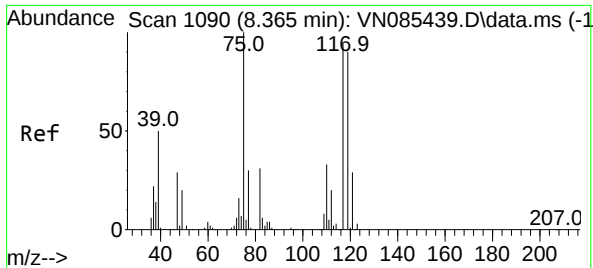
Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

192 17.9 14.3 21.5

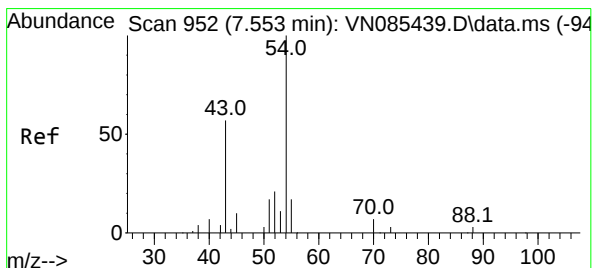
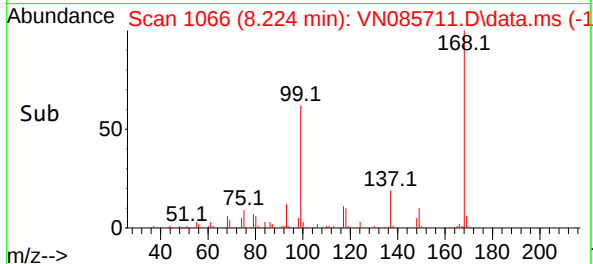
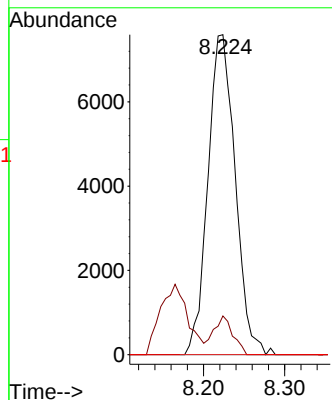
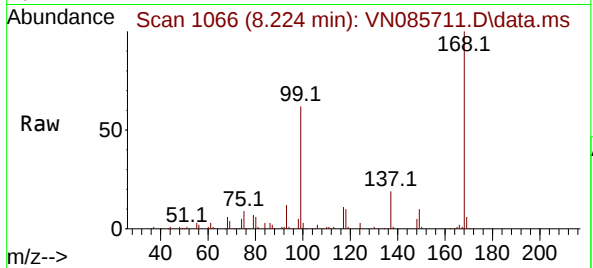




#36
1,1-Dichloropropene
Concen: 4.414 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

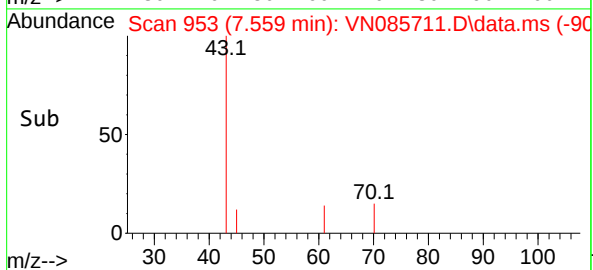
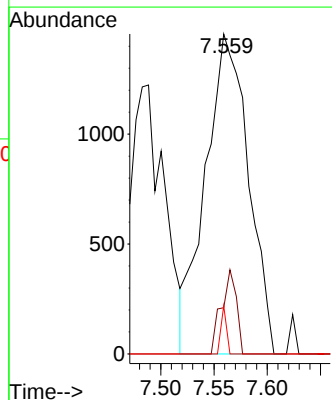
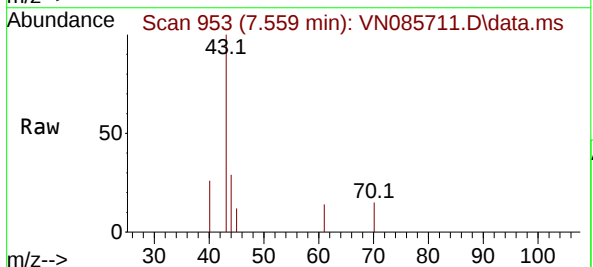
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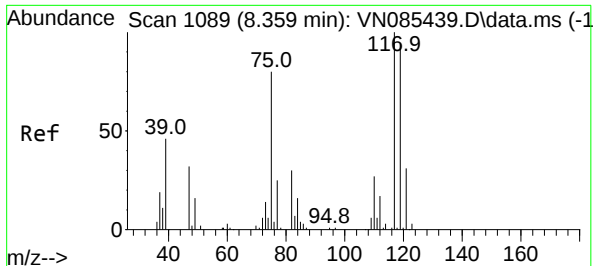
Tgt Ion: 75 Resp: 17765
Ion Ratio Lower Upper
75 100
110 8.6 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.007 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.006 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Tgt Ion: 43 Resp: 4091
Ion Ratio Lower Upper
43 100
61 9.1 10.9 16.3#
70 1.9 7.5 11.3#

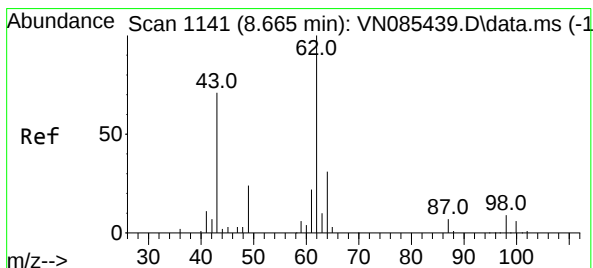
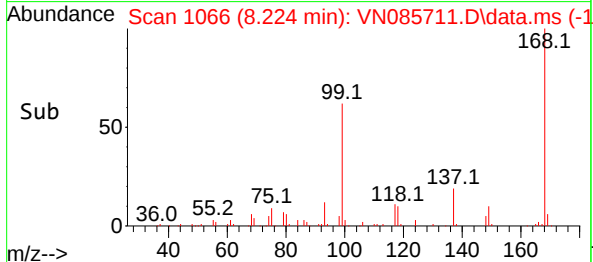
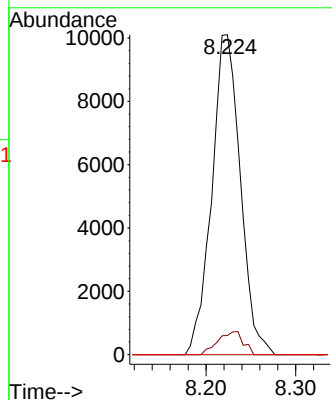
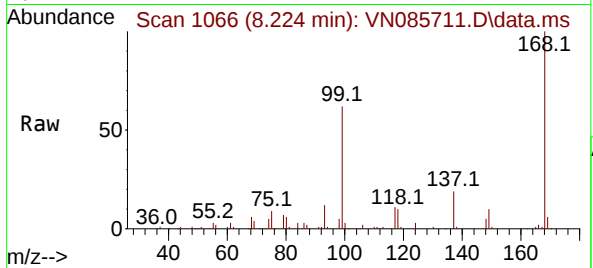




#38
Carbon Tetrachloride
Concen: 4.848 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

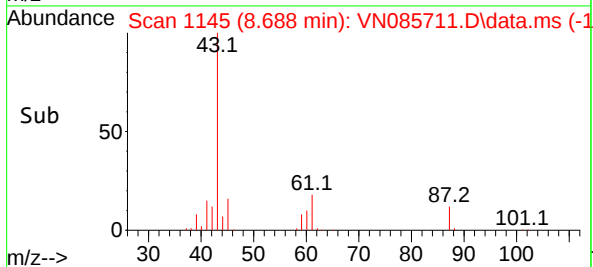
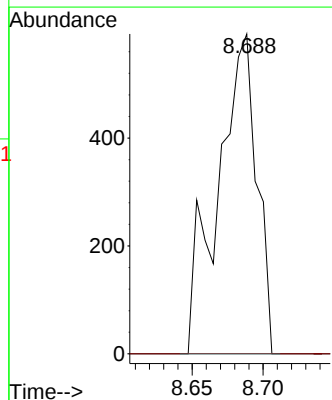
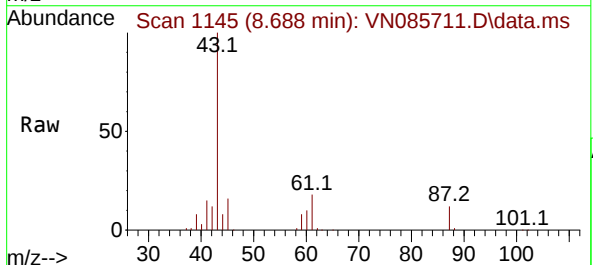
Instrument :
MSVOA_N
ClientSampleId :
WC-4

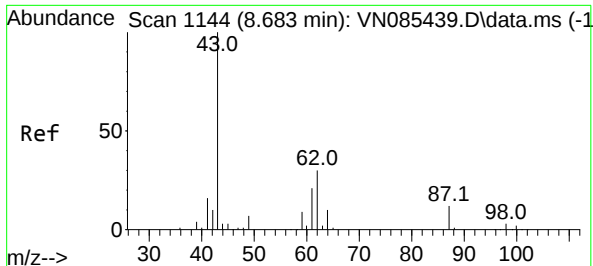
Tgt Ion:117 Resp: 22342
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.248 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.024 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Tgt Ion: 62 Resp: 1131
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

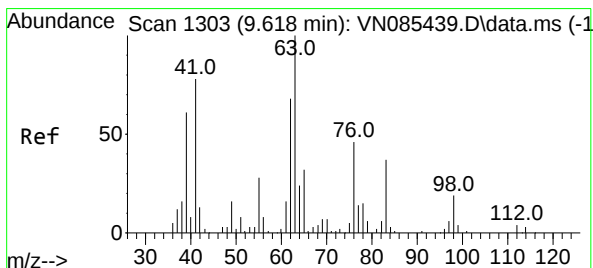
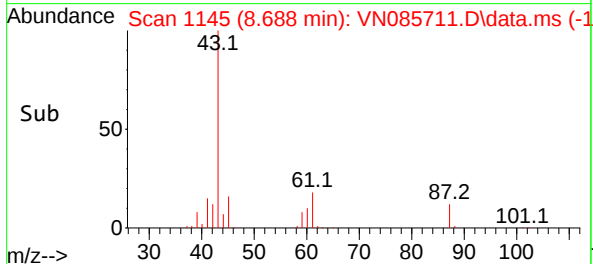
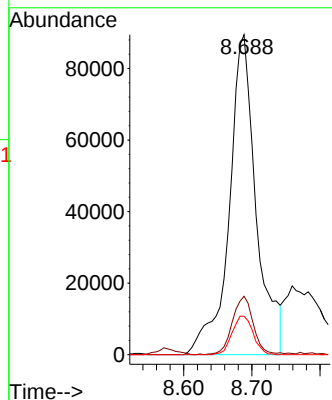
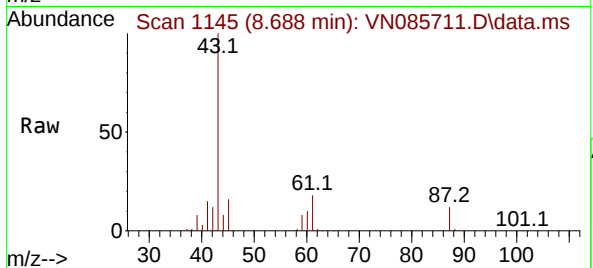




#43
Isopropyl Acetate
Concen: 38.004 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

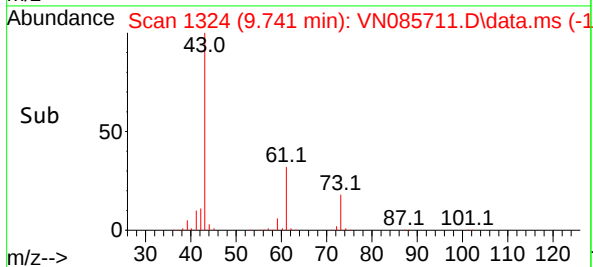
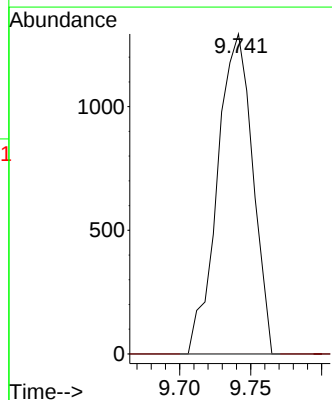
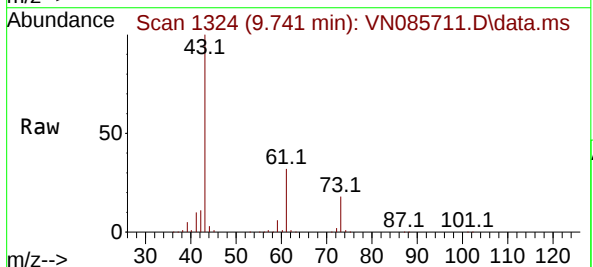
Instrument :
MSVOA_N
ClientSampleId :
WC-4

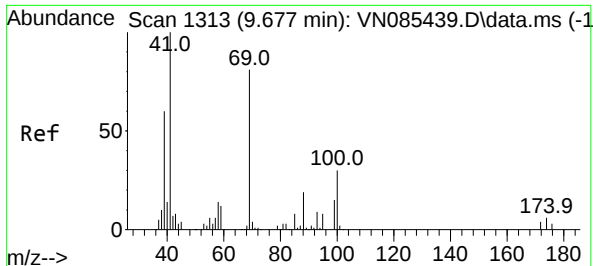
Tgt Ion: 43 Resp: 247405
Ion Ratio Lower Upper
43 100
61 14.3 20.7 31.1#
87 9.3 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 0.723 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Tgt Ion: 63 Resp: 2234
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 55.803 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.064 min

Lab File: VN085711.D

Acq: 07 Feb 2025 21:06

Instrument :

MSVOA_N

ClientSampleId :

WC-4

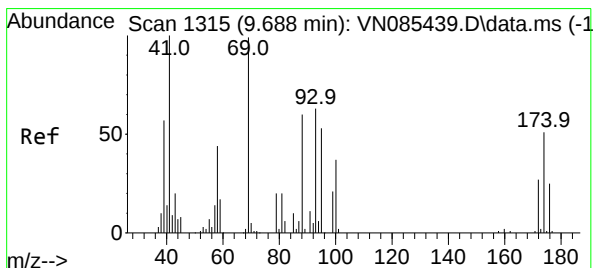
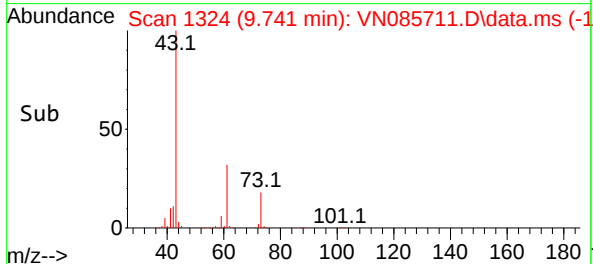
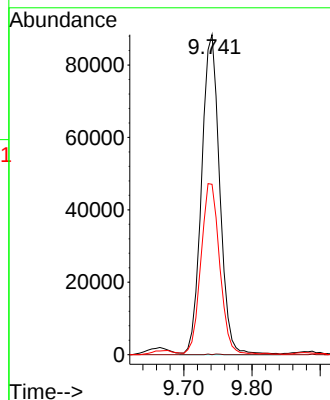
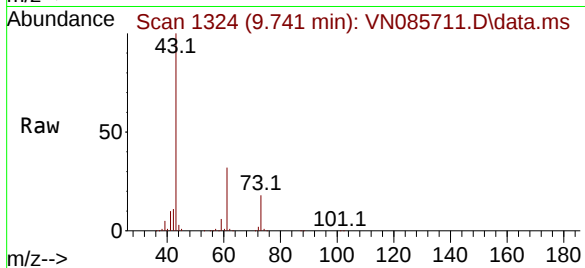
Tgt Ion: 41 Resp: 163480

Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 0.0 49.0 73.6#



#49

1,4-Dioxane

Concen: 2.635 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.053 min

Lab File: VN085711.D

Acq: 07 Feb 2025 21:06

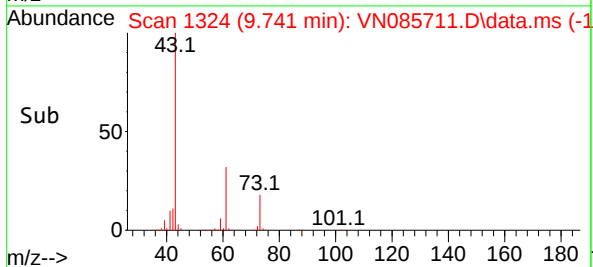
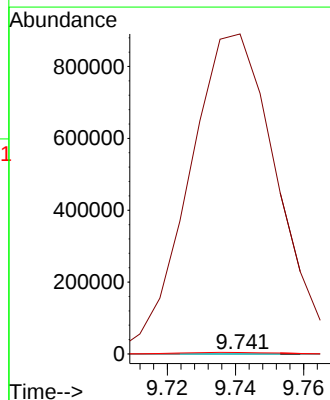
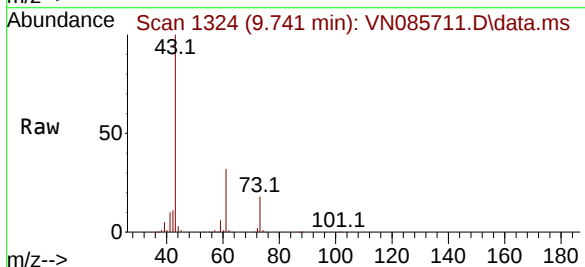
Tgt Ion: 88 Resp: 130

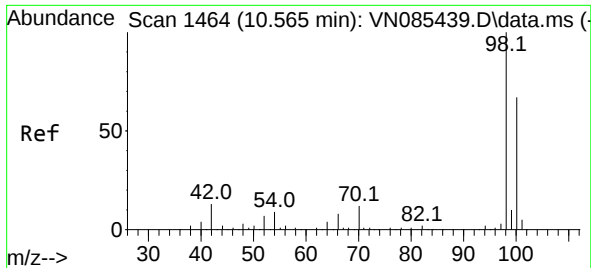
Ion Ratio Lower Upper

88 100

43 1246514.6 26.6 39.8#

58 6962.3 59.5 89.3#

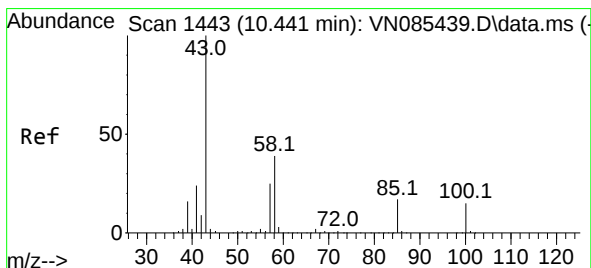
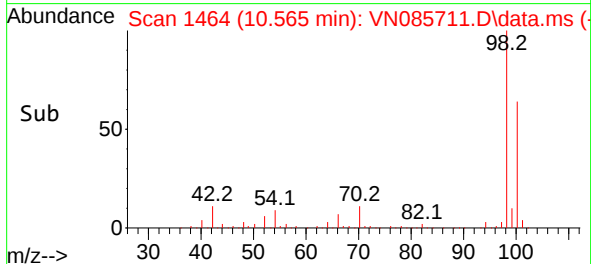
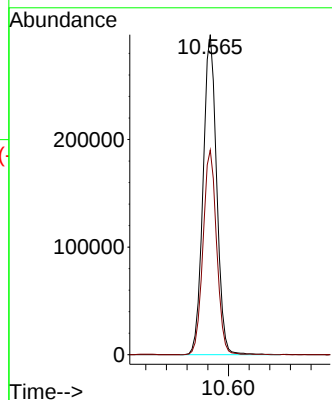
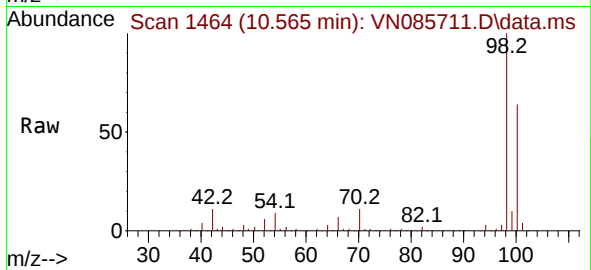




#50
Toluene-d8
Concen: 53.105 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

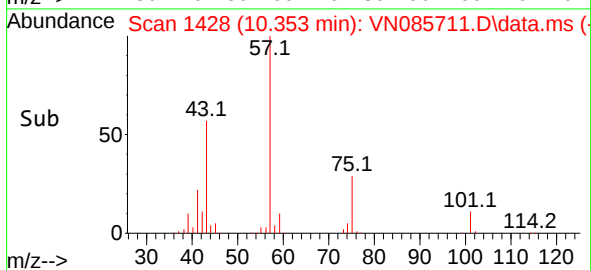
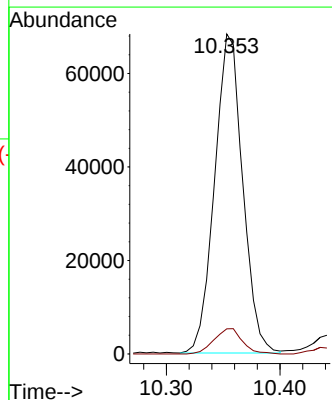
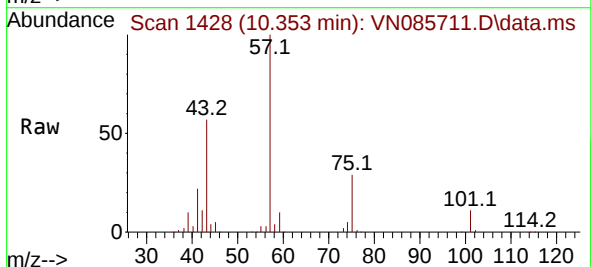
Instrument :
MSVOA_N
ClientSampleId :
WC-4

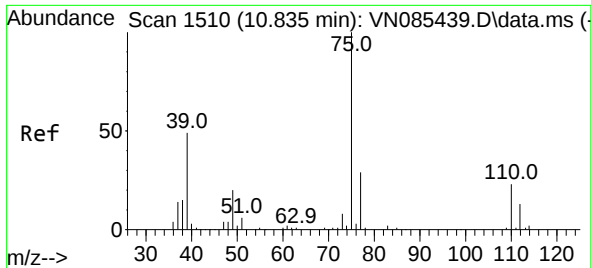
Tgt Ion: 98 Resp: 541121
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 31.042 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. -0.088 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Tgt Ion: 43 Resp: 117266
Ion Ratio Lower Upper
43 100
58 8.1 30.5 45.7#

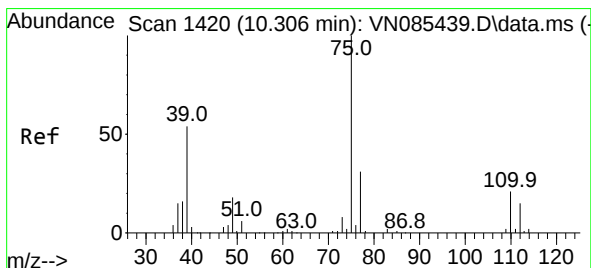
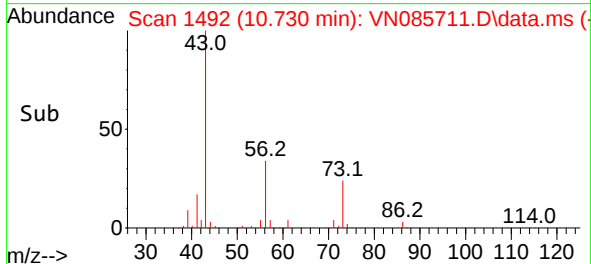
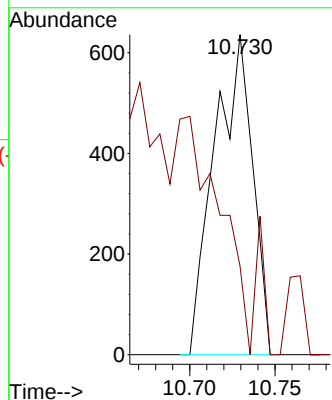
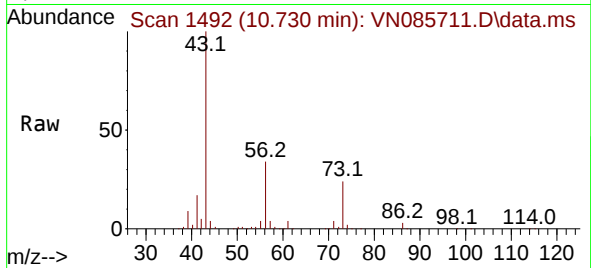




#53
t-1,3-Dichloropropene
Concen: 0.230 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

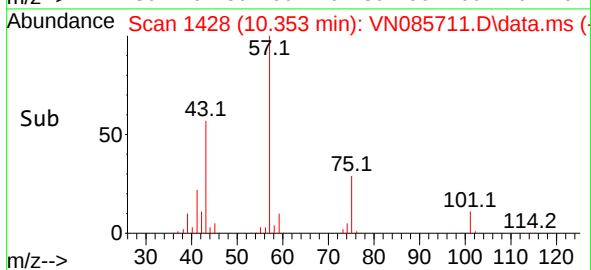
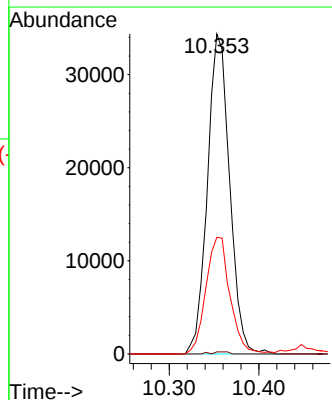
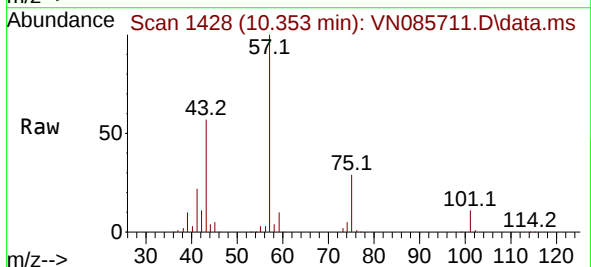
Instrument :
MSVOA_N
ClientSampleId :
WC-4

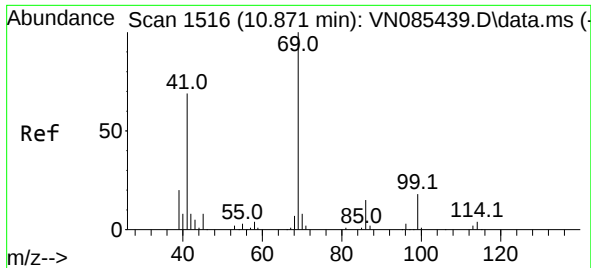
Tgt Ion: 75 Resp: 985
Ion Ratio Lower Upper
75 100
77 27.7 23.5 35.3



#54
cis-1,3-Dichloropropene
Concen: 12.871 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Tgt Ion: 75 Resp: 59002
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.4#
39 36.4 43.1 64.7#

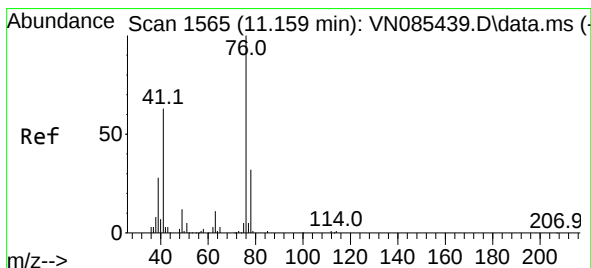
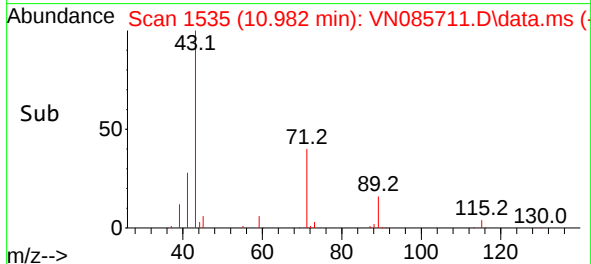
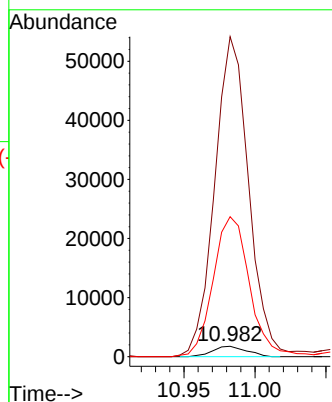
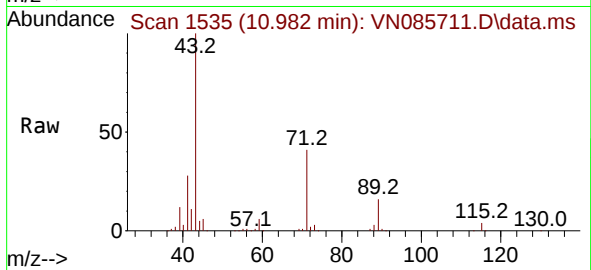




#56
Ethyl methacrylate
Concen: 2.539 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

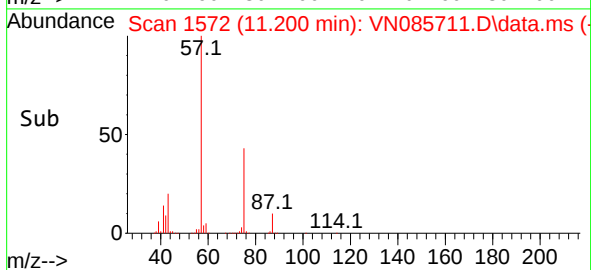
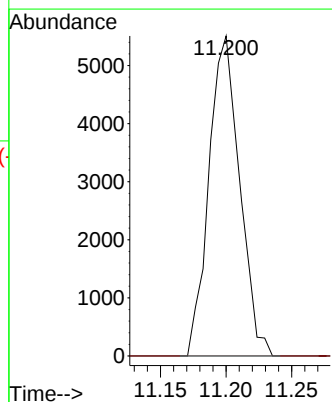
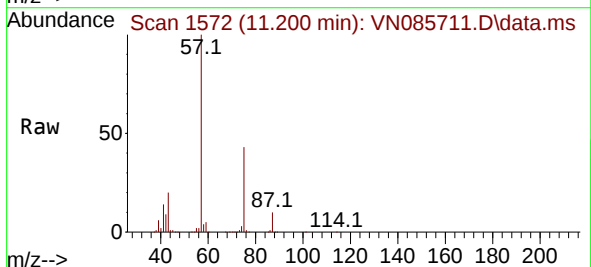
Instrument :
MSVOA_N
ClientSampleId :
WC-4

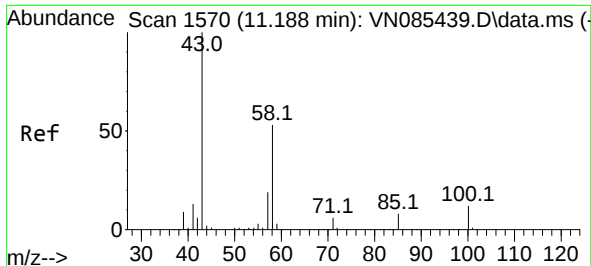
Tgt Ion: 69 Resp: 2955
Ion Ratio Lower Upper
69 100
41 3073.8 54.6 82.0#
39 1432.3 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.864 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Tgt Ion: 76 Resp: 8987
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

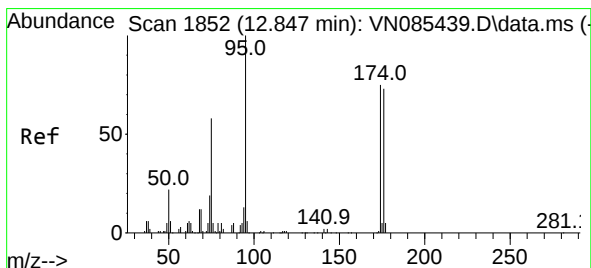
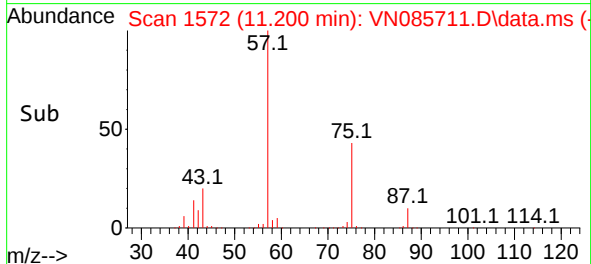
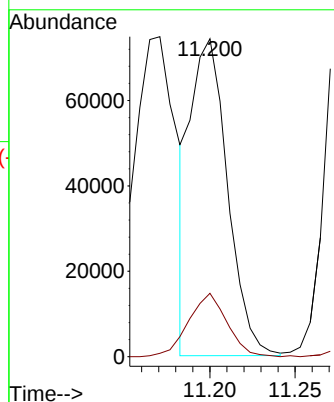
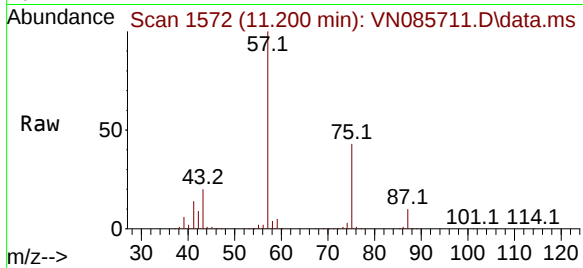




#59
2-Hexanone
Concen: 42.400 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

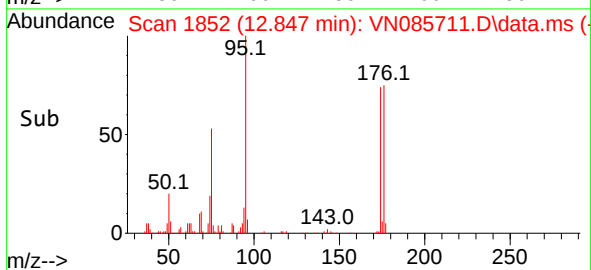
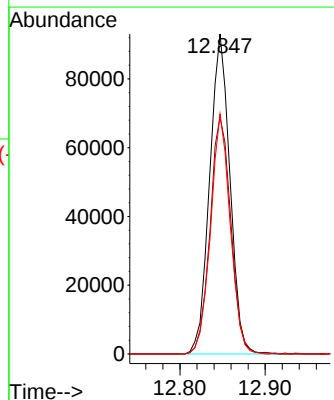
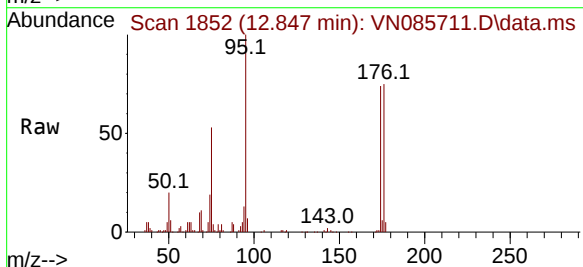
Instrument :
MSVOA_N
ClientSampleId :
WC-4

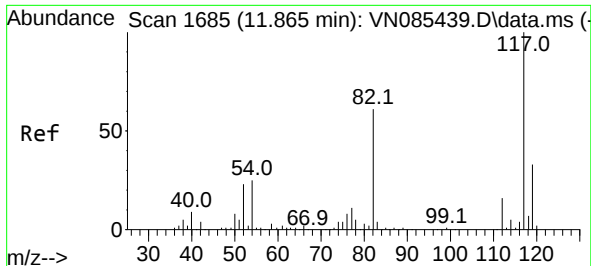
Tgt Ion: 43 Resp: 112701
Ion Ratio Lower Upper
43 100
58 20.8 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.011 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Tgt Ion: 95 Resp: 153406
Ion Ratio Lower Upper
95 100
174 76.4 0.0 145.0
176 72.8 0.0 142.4

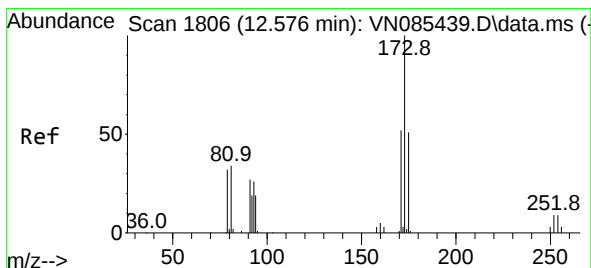
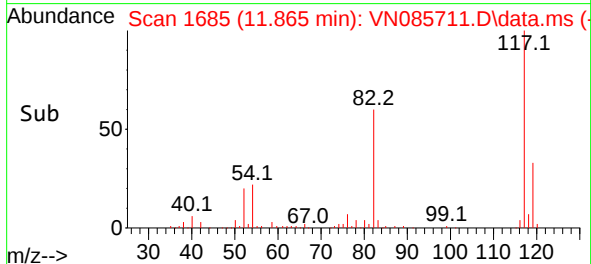
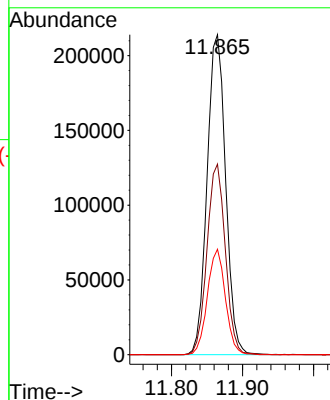
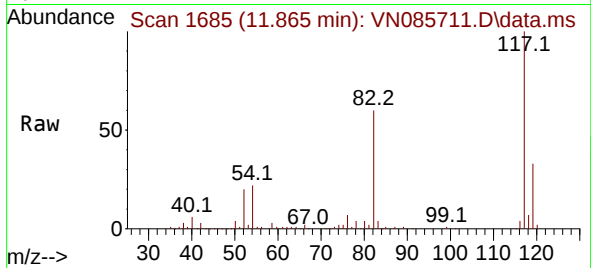




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

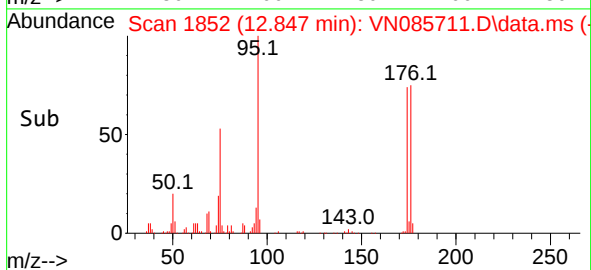
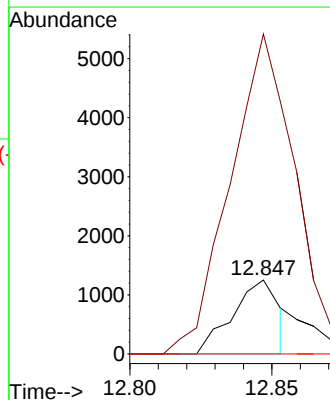
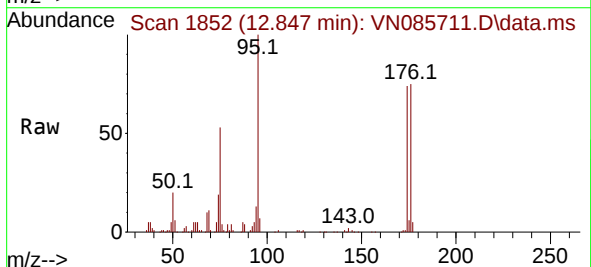
Instrument :
MSVOA_N
ClientSampleId :
WC-4

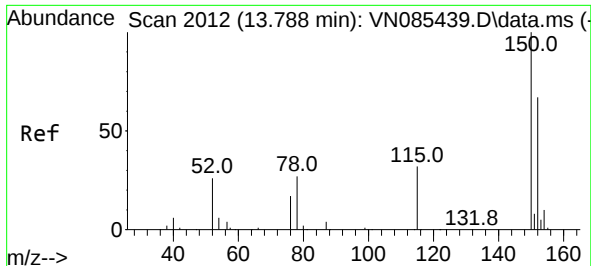
Tgt Ion:117 Resp: 388532
Ion Ratio Lower Upper
117 100
82 59.5 48.6 72.8
119 32.9 26.6 39.8



#71
Bromoform
Concen: 0.638 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Tgt Ion:173 Resp: 1425
Ion Ratio Lower Upper
173 100
175 478.2 24.4 73.2#
254 0.0 0.0 0.0

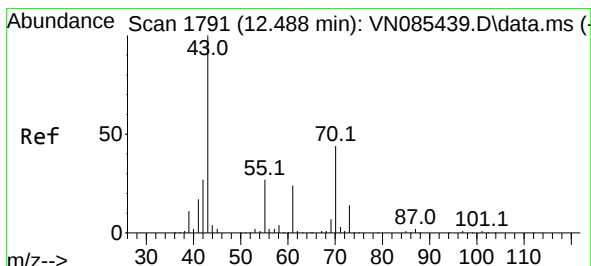
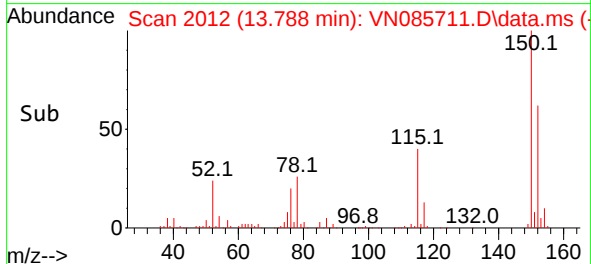
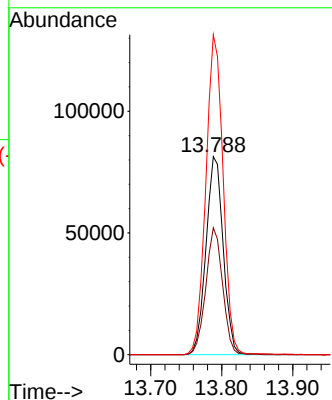
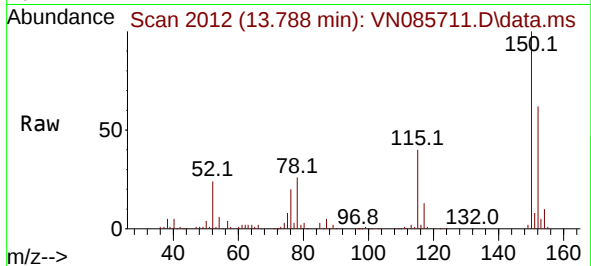




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN085711.D
 Acq: 07 Feb 2025 21:06

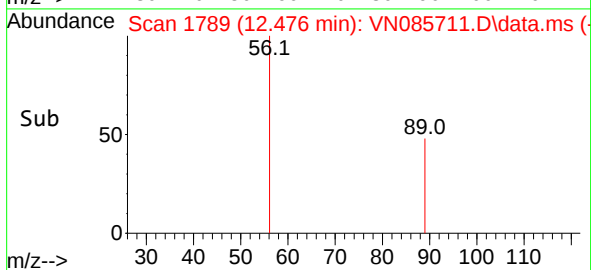
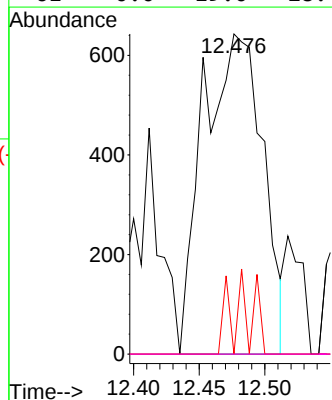
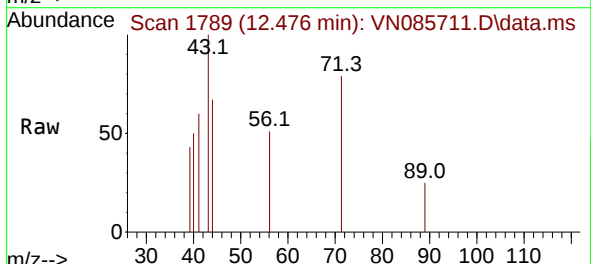
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-4

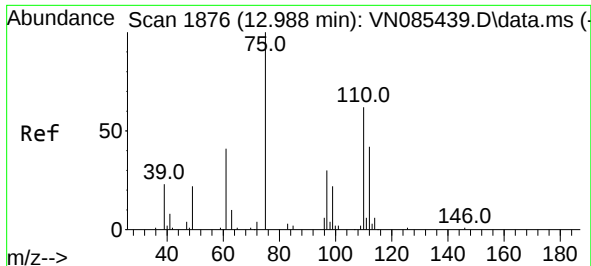
Tgt Ion:152 Resp: 137402
 Ion Ratio Lower Upper
 152 100
 115 62.6 31.1 93.3
 150 161.3 0.0 343.6



#74
 N-ethyl acetate
 Concen: 0.486 ug/l
 RT: 12.476 min Scan# 1789
 Delta R.T. -0.012 min
 Lab File: VN085711.D
 Acq: 07 Feb 2025 21:06

Tgt Ion: 43 Resp: 2025
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.0 51.0#
 55 5.8 21.4 32.2#
 61 0.0 19.0 28.4#

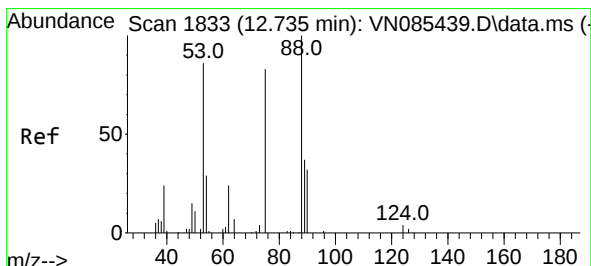
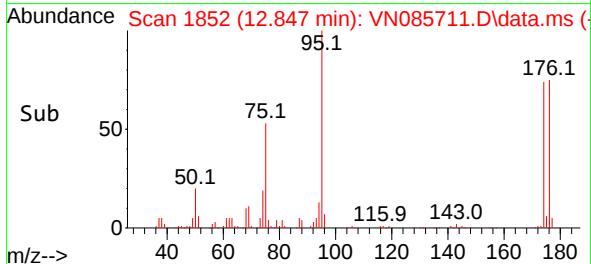
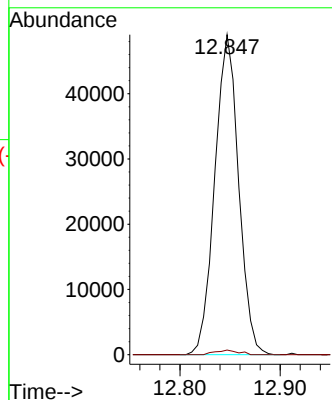
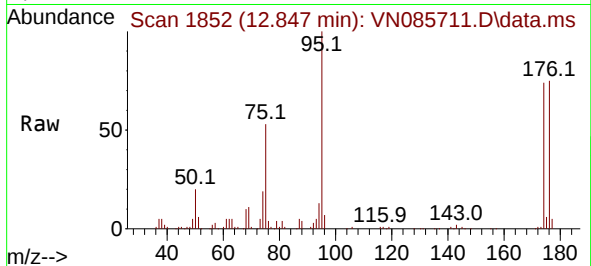




#76
1,2,3-Trichloropropane
Concen: 29.004 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Instrument :
MSVOA_N
ClientSampleId :
WC-4

Tgt Ion: 75 Resp: 81001
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.473 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085711.D
Acq: 07 Feb 2025 21:06

Tgt Ion: 75 Resp: 81001
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#

