

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085707.D
 Acq On : 07 Feb 2025 19:29
 Operator : JC\MD
 Sample : Q1299-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: Feb 07 22:36:19 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)

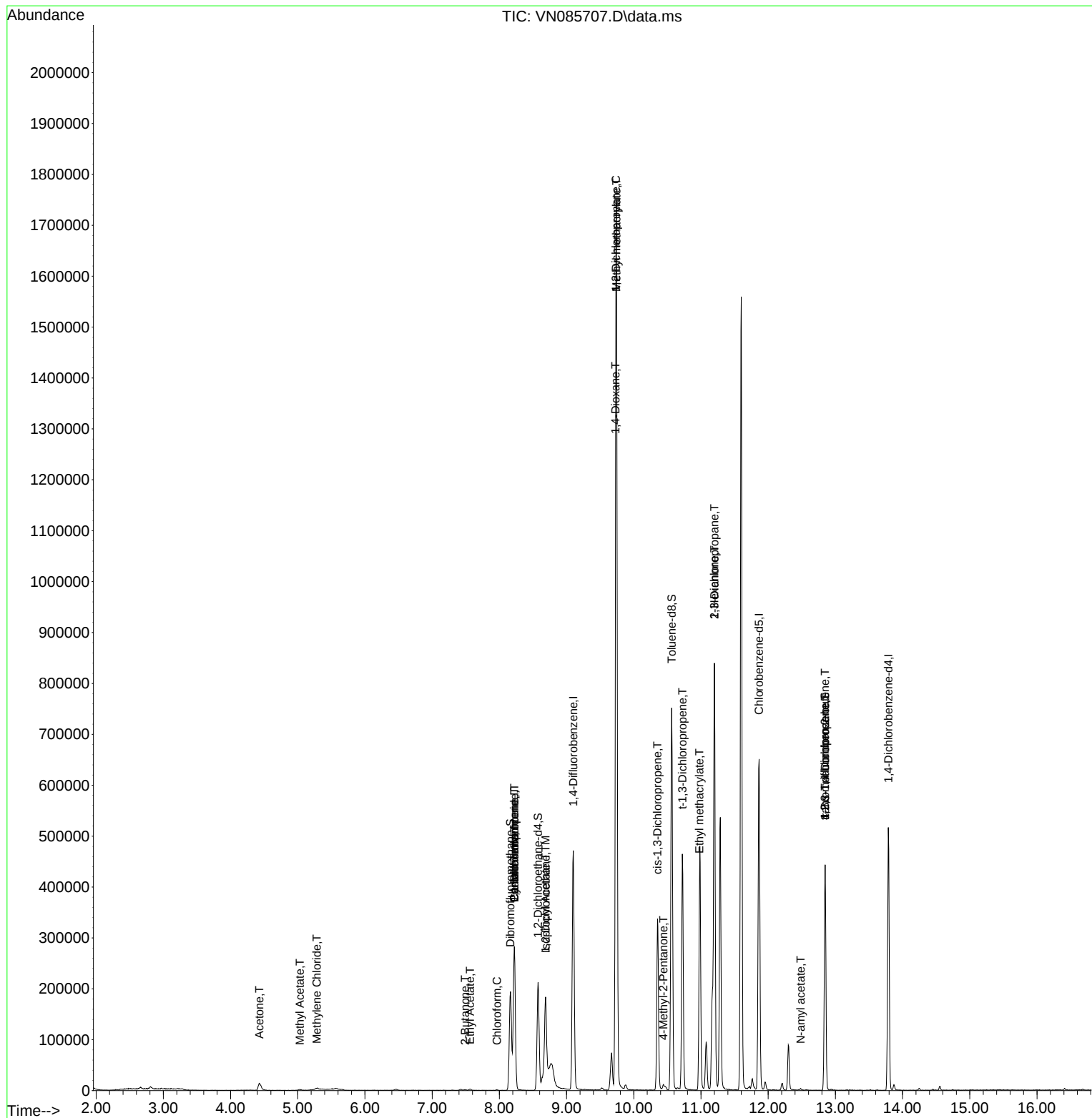
Internal Standards						
1) Pentafluorobenzene	8.224	168	192305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	401753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	379324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	171804	55.346	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.700%			
35) Dibromofluoromethane	8.165	113	140011	50.234	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.460%			
50) Toluene-d8	10.565	98	518577	52.367	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.740%			
62) 4-Bromofluorobenzene	12.847	95	149428	44.112	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.220%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	26282	26.204	ug/l	93
18) Methyl Acetate	5.030	43	3410	1.118	ug/l #	81
20) Methylene Chloride	5.283	84	2139	0.861	ug/l #	49
25) 2-Butanone	7.489	43	2555	1.731	ug/l	96
30) Chloroform	7.965	83	1146	0.245	ug/l	87
31) Cyclohexane	8.224	56	4833	1.227	ug/l #	21
36) 1,1-Dichloropropene	8.224	75	18152	4.640	ug/l #	50
37) Ethyl Acetate	7.565	43	3934	0.996	ug/l #	85
38) Carbon Tetrachloride	8.224	117	20738	4.631	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1275	0.288	ug/l #	76
43) Isopropyl Acetate	8.688	43	223336	35.301	ug/l #	84
45) 1,2-Dichloropropane	9.735	63	1935	0.645	ug/l #	43
48) Methyl methacrylate	9.741	41	162473	57.066	ug/l #	45
49) 1,4-Dioxane	9.730	88	208	4.338	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	11412	3.108	ug/l #	78
53) t-1,3-Dichloropropene	10.724	75	1319	0.316	ug/l #	86
54) cis-1,3-Dichloropropene	10.353	75	57993	13.018	ug/l #	63
56) Ethyl methacrylate	10.977	69	3071	2.581	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8562	1.827	ug/l #	43
59) 2-Hexanone	11.200	43	113015	43.750	ug/l #	56
74) N-amyl acetate	12.482	43	1467	0.355	ug/l #	52
76) 1,2,3-Trichloropropane	12.847	75	78810	28.431	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78810	76.921	ug/l #	3

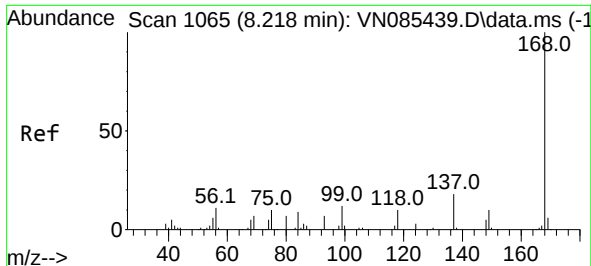
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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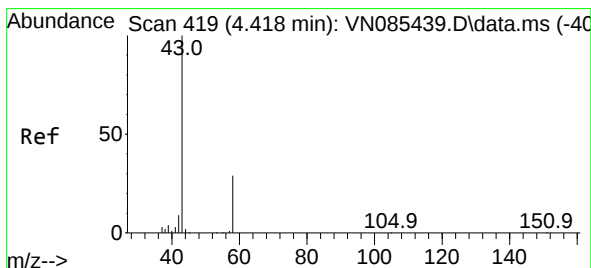
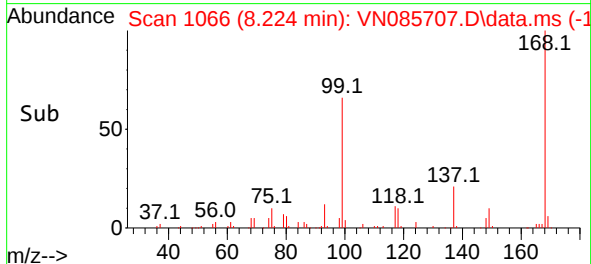
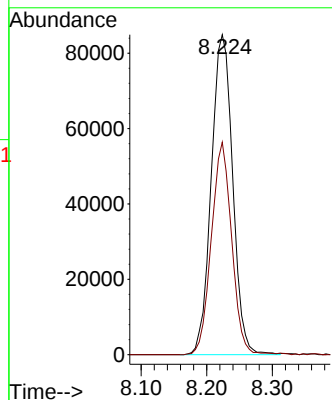
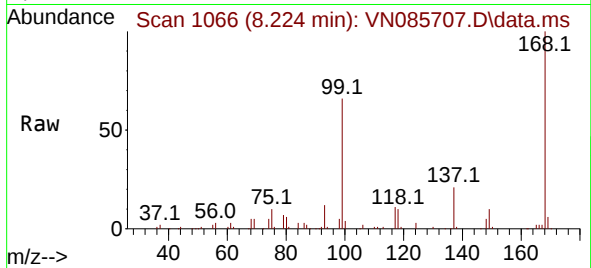




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

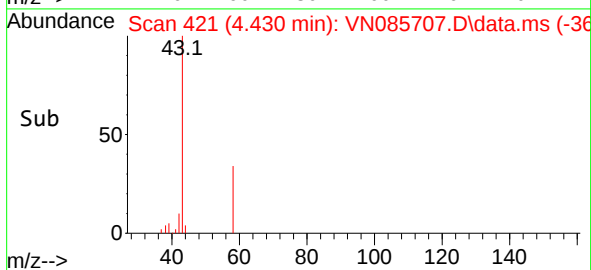
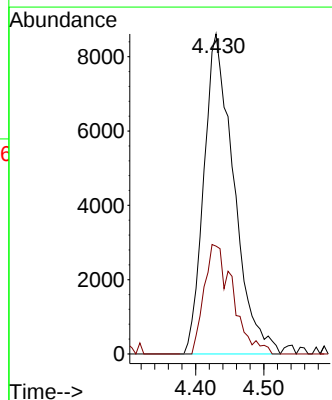
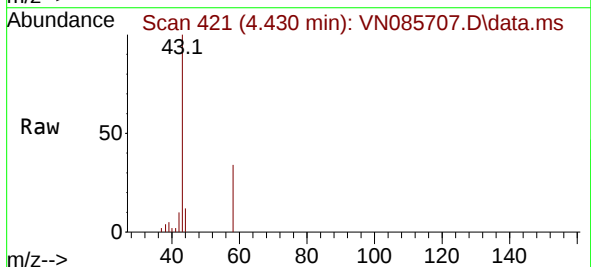
Instrument :
MSVOA_N
ClientSampleId :
WC-1

Tgt Ion:168 Resp: 192305
Ion Ratio Lower Upper
168 100
99 66.4 53.6 80.4



#16
Acetone
Concen: 26.204 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

Tgt Ion: 43 Resp: 26282
Ion Ratio Lower Upper
43 100
58 33.7 23.8 35.6

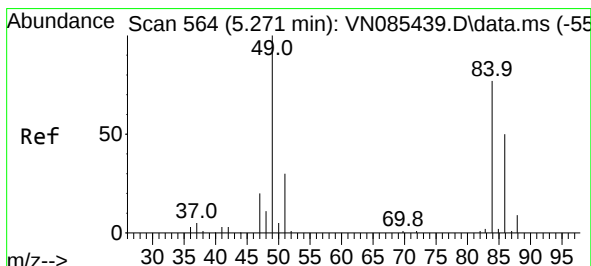
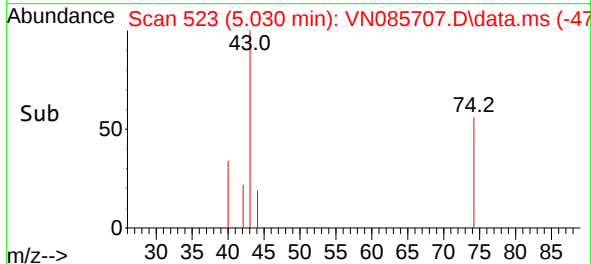
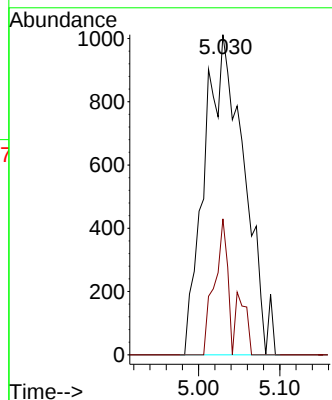
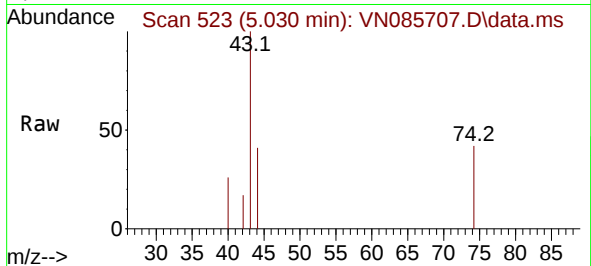




#18
Methyl Acetate
Concen: 1.118 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

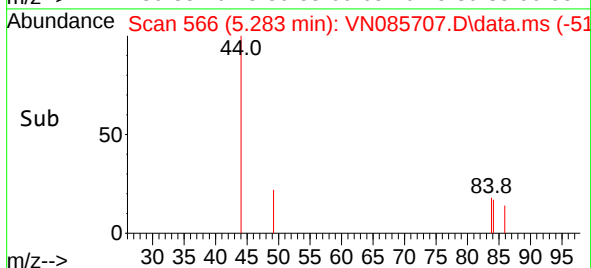
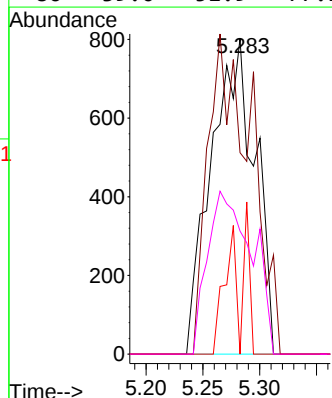
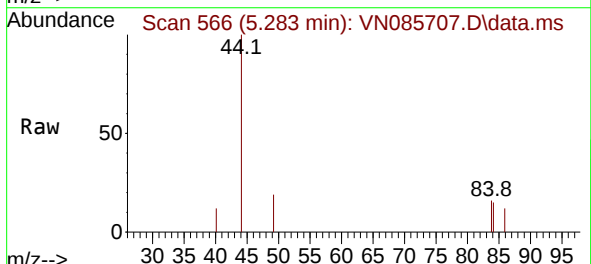
Instrument :
MSVOA_N
ClientSampleId :
WC-1

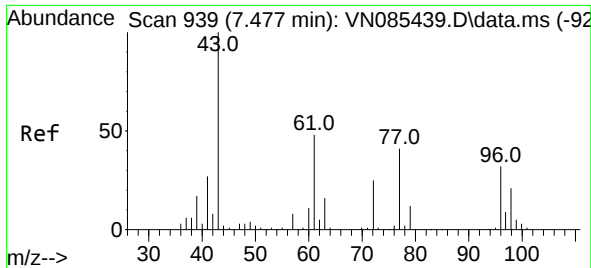
Tgt Ion: 43 Resp: 3410
Ion Ratio Lower Upper
43 100
74 14.1 18.6 28.0#



#20
Methylene Chloride
Concen: 0.861 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

Tgt Ion: 84 Resp: 2139
Ion Ratio Lower Upper
84 100
49 63.8 104.1 156.1#
51 0.0 31.0 46.4#
86 39.0 51.9 77.9#

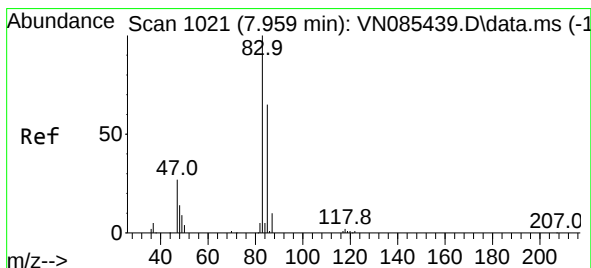
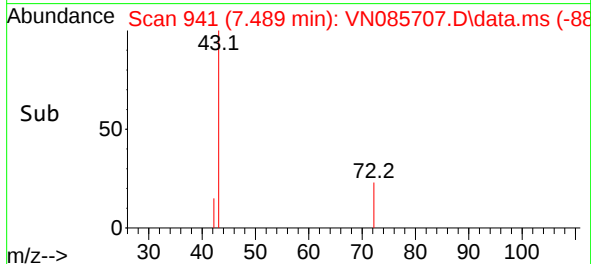
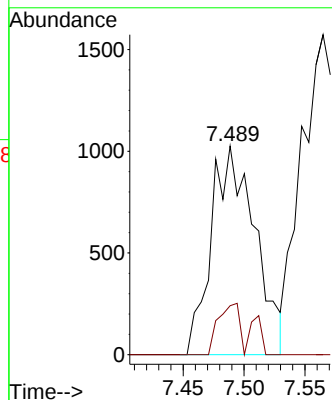
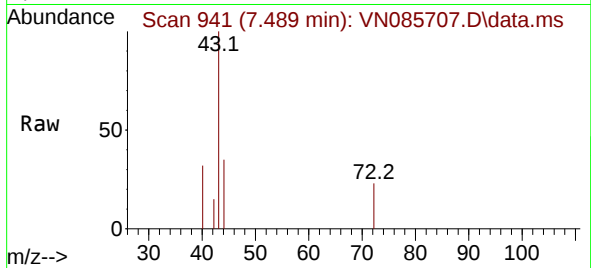




#25
2-Butanone
Concen: 1.731 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

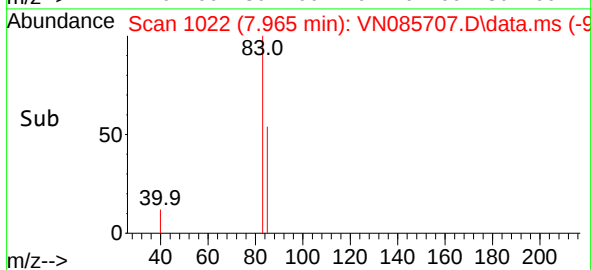
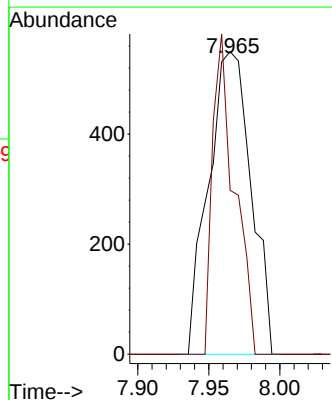
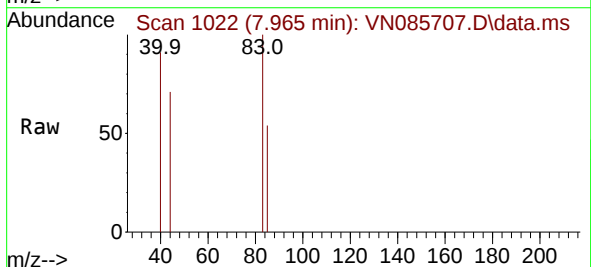
Instrument :
MSVOA_N
ClientSampleId :
WC-1

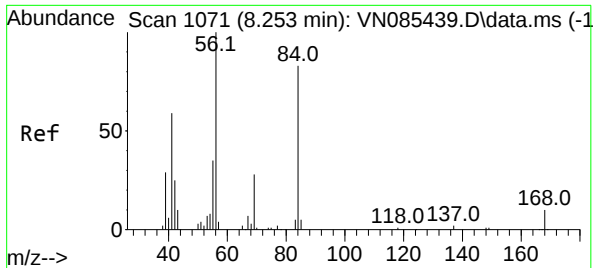
Tgt Ion: 43 Resp: 2555
Ion Ratio Lower Upper
43 100
72 23.5 20.2 30.4



#30
Chloroform
Concen: 0.245 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

Tgt Ion: 83 Resp: 1146
Ion Ratio Lower Upper
83 100
85 54.2 51.8 77.6

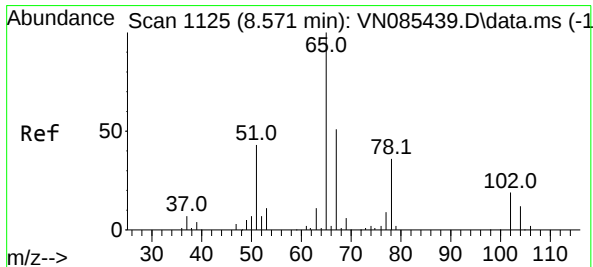
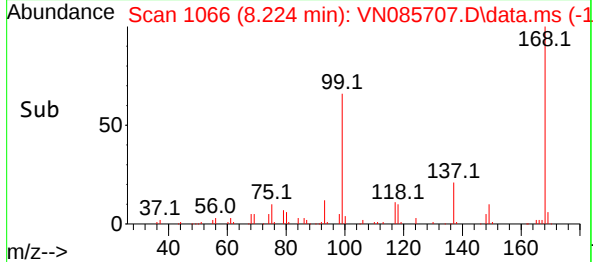
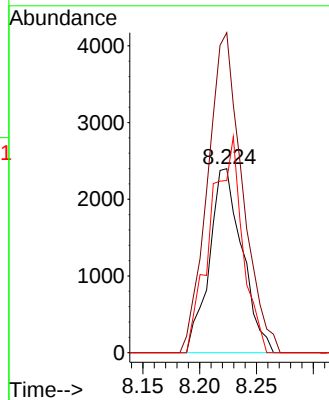
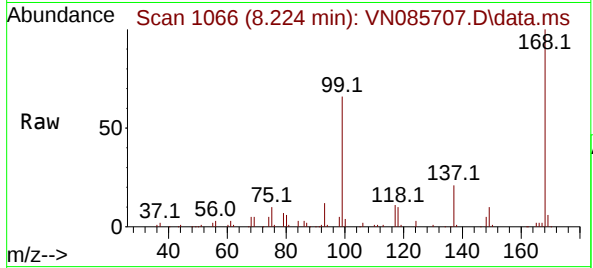




#31
Cyclohexane
Concen: 1.227 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

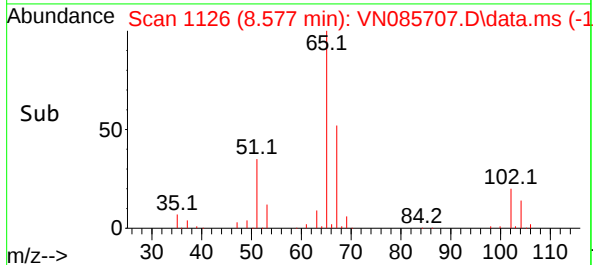
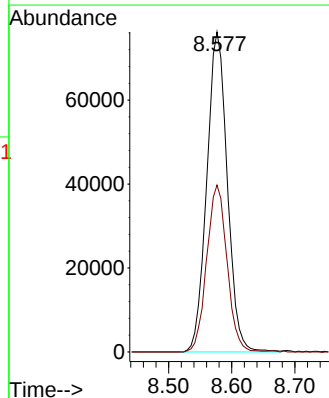
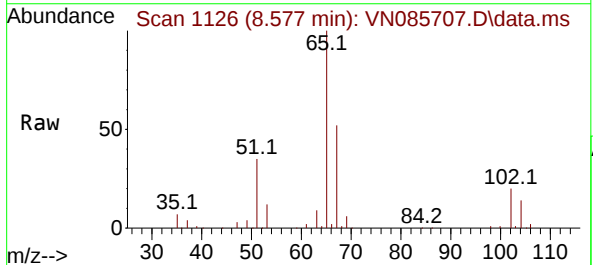
Instrument :
MSVOA_N
ClientSampleId :
WC-1

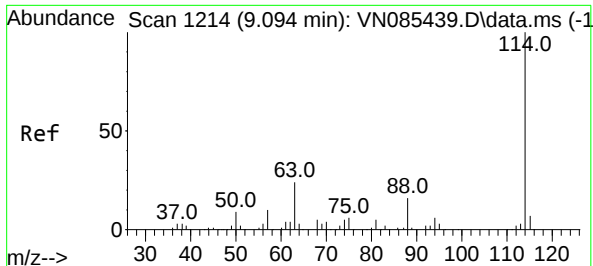
Tgt Ion: 56 Resp: 4833
Ion Ratio Lower Upper
56 100
69 173.9 22.2 33.4#
84 93.6 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 55.346 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

Tgt Ion: 65 Resp: 171804
Ion Ratio Lower Upper
65 100
67 51.7 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: VN085707.D

Acq: 07 Feb 2025 19:29

Instrument :

MSVOA_N

ClientSampleId :

WC-1

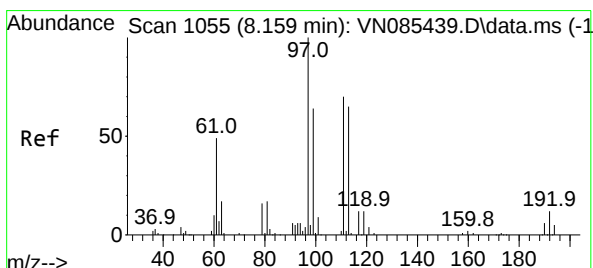
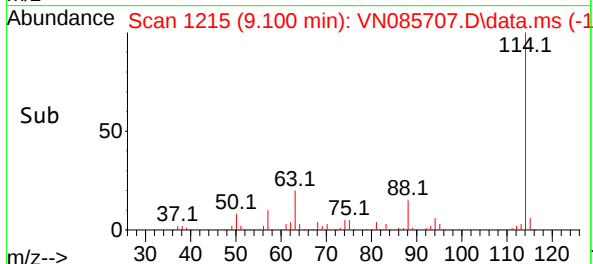
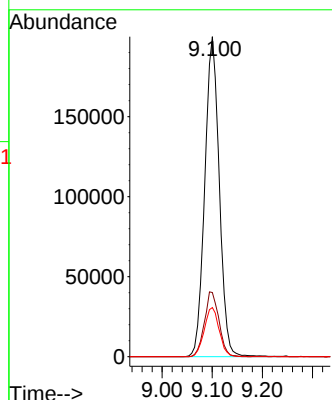
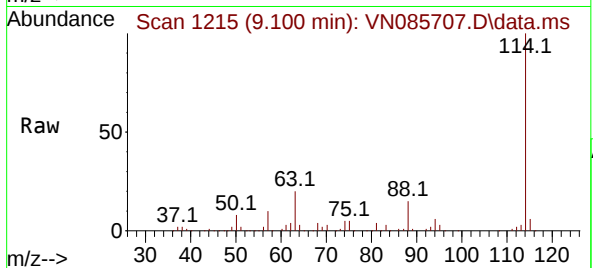
Tgt Ion:114 Resp: 401753

Ion Ratio Lower Upper

114 100

63 20.1 0.0 47.6

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.234 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085707.D

Acq: 07 Feb 2025 19:29

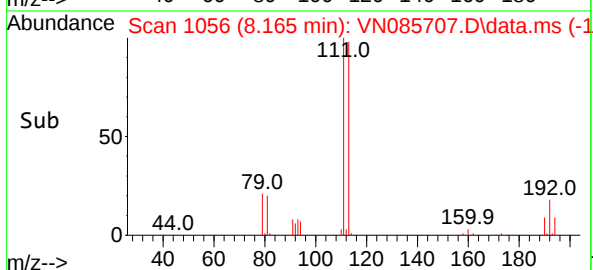
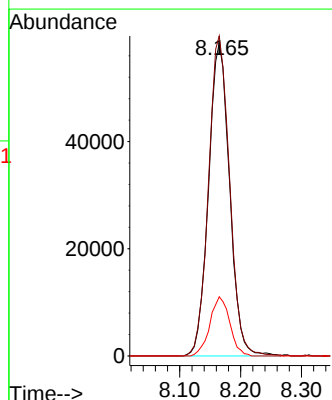
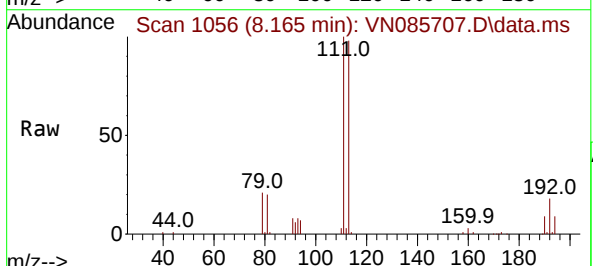
Tgt Ion:113 Resp: 140011

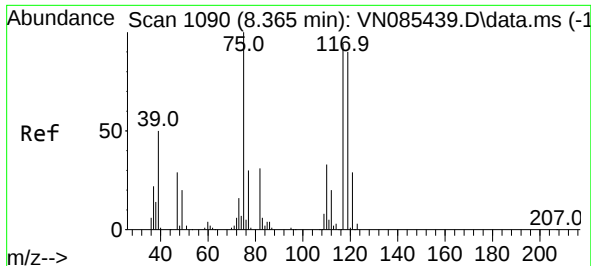
Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

192 17.9 14.3 21.5

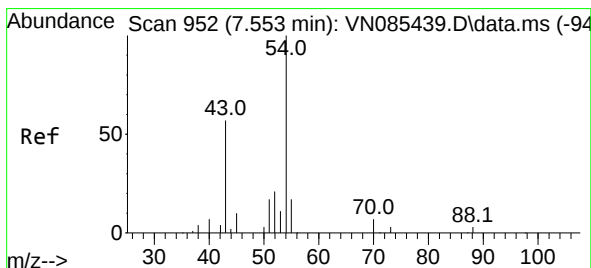
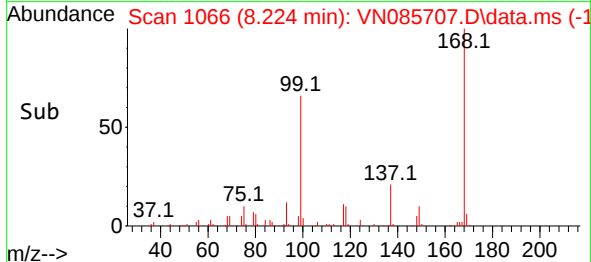
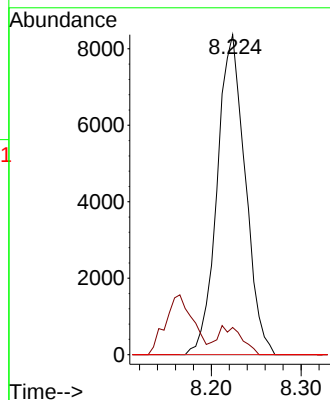
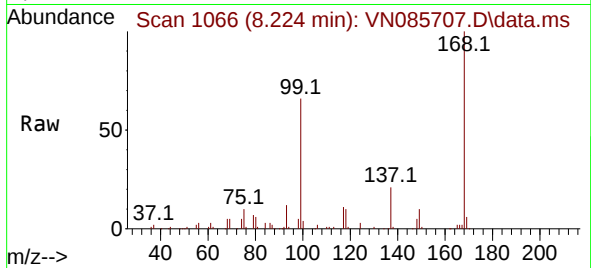




#36
1,1-Dichloropropene
Concen: 4.640 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

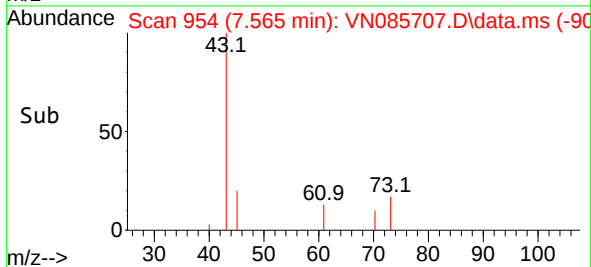
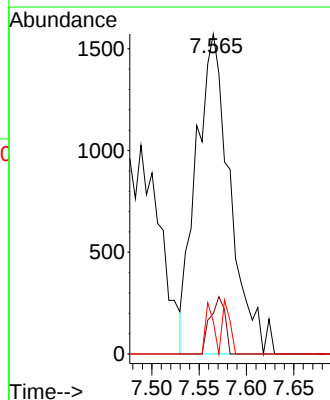
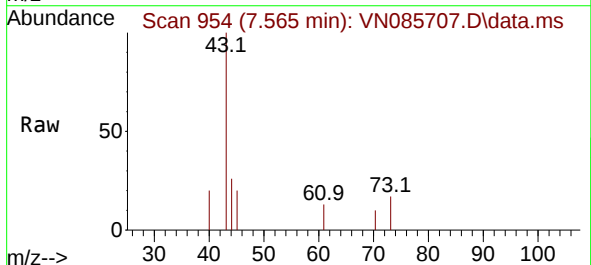
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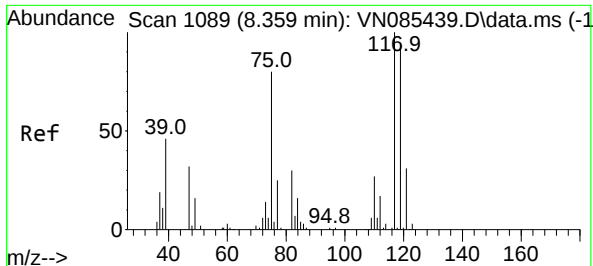
Tgt Ion: 75 Resp: 18152
Ion Ratio Lower Upper
75 100
110 8.1 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.996 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.012 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

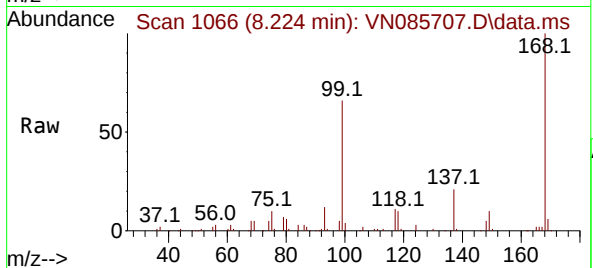
Tgt Ion: 43 Resp: 3934
Ion Ratio Lower Upper
43 100
61 7.8 10.9 16.3#
70 3.8 7.5 11.3#



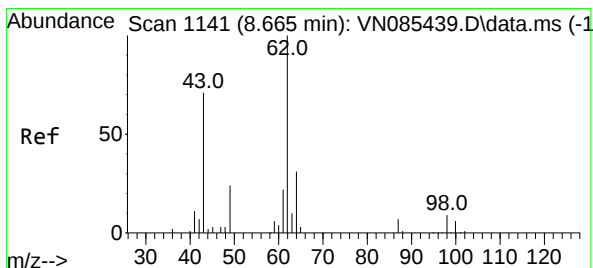
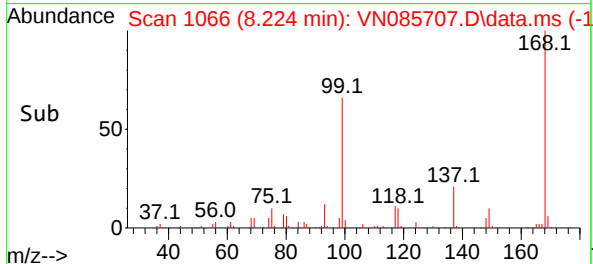
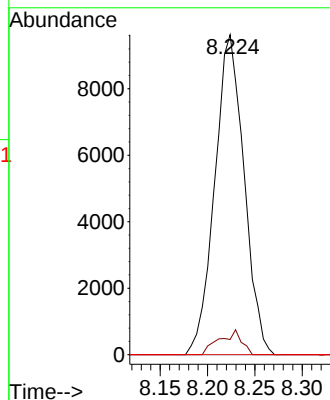


#38
Carbon Tetrachloride
Concen: 4.631 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

Instrument :
MSVOA_N
ClientSampleId :
WC-1

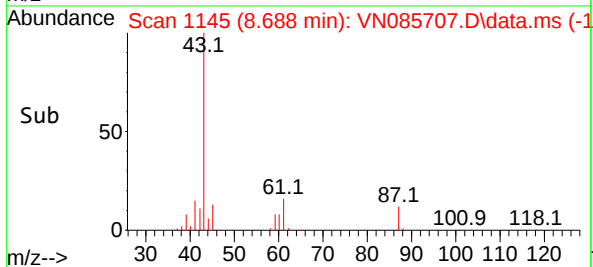
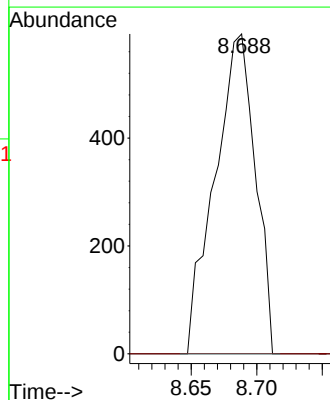
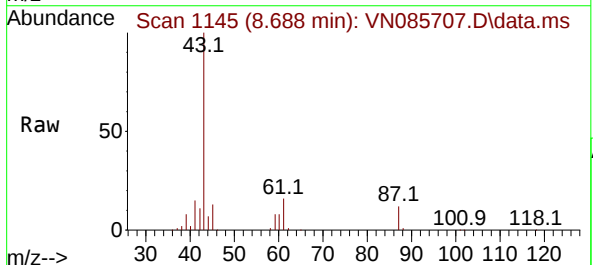


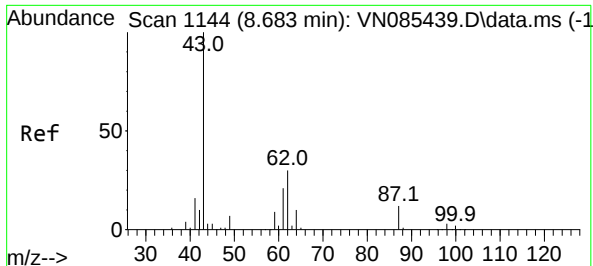
Tgt Ion:117 Resp: 20738
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.288 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.024 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

Tgt Ion: 62 Resp: 1275
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

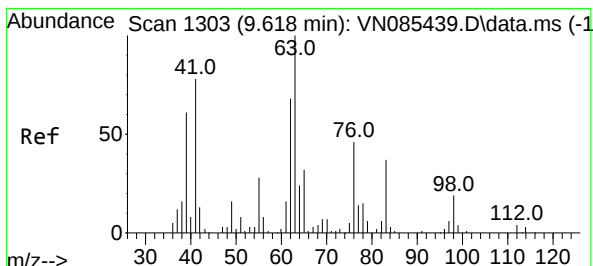
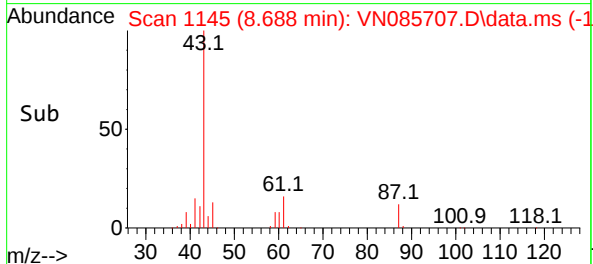
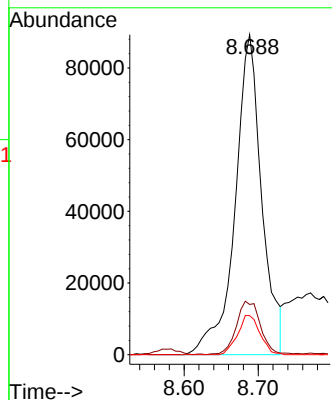
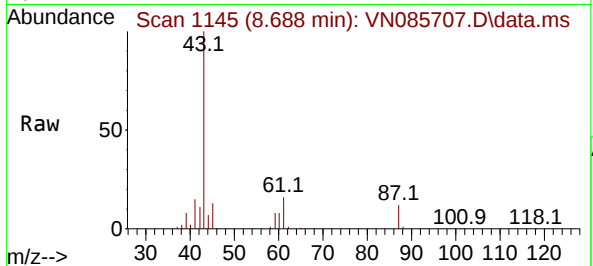




#43
Isopropyl Acetate
Concen: 35.301 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

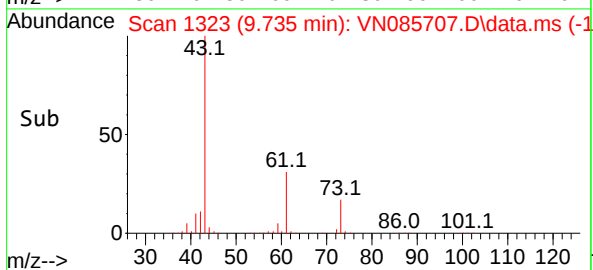
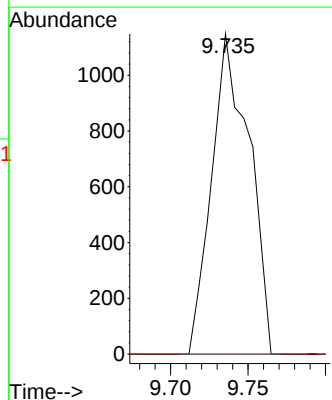
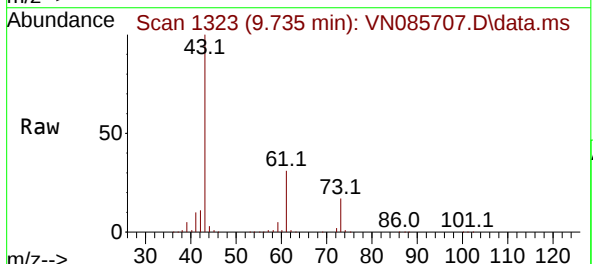
Instrument :
MSVOA_N
ClientSampleId :
WC-1

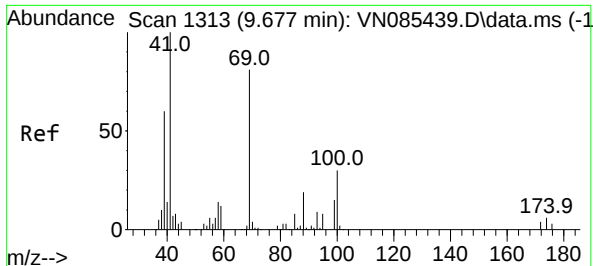
Tgt Ion: 43 Resp: 223336
Ion Ratio Lower Upper
43 100
61 15.3 20.7 31.1#
87 10.3 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.645 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

Tgt Ion: 63 Resp: 1935
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 57.066 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.064 min

Lab File: VN085707.D

Acq: 07 Feb 2025 19:29

Instrument :

MSVOA_N

ClientSampleId :

WC-1

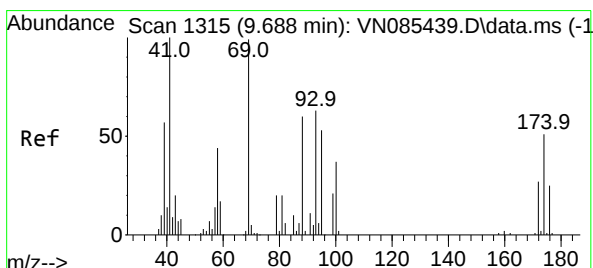
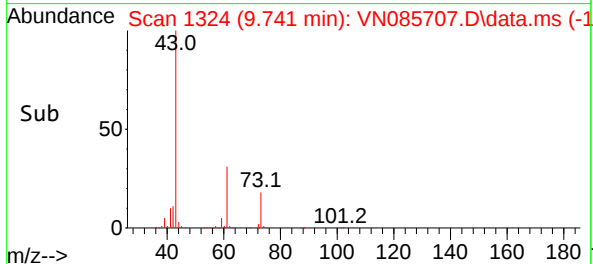
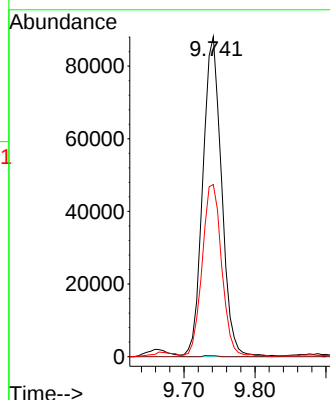
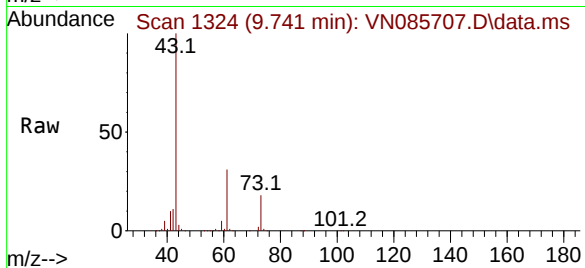
Tgt Ion: 41 Resp: 162473

Ion Ratio Lower Upper

41 100

69 0.2 64.7 97.1#

39 56.2 49.0 73.6



#49

1,4-Dioxane

Concen: 4.338 ug/l

RT: 9.730 min Scan# 1322

Delta R.T. 0.041 min

Lab File: VN085707.D

Acq: 07 Feb 2025 19:29

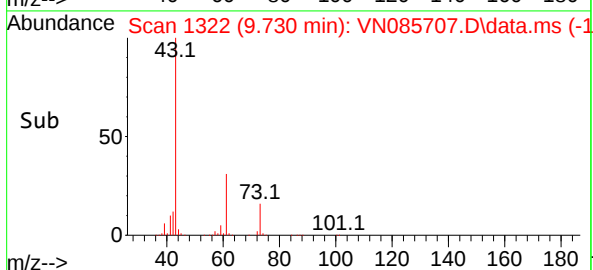
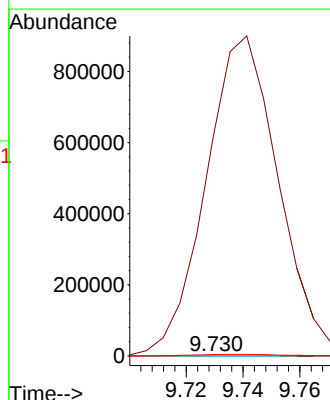
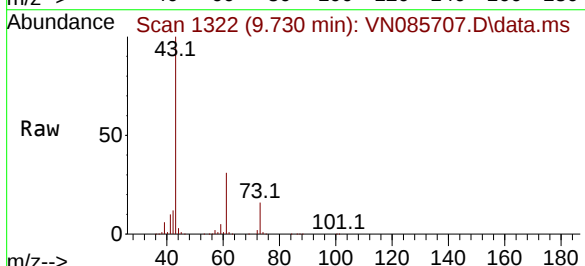
Tgt Ion: 88 Resp: 208

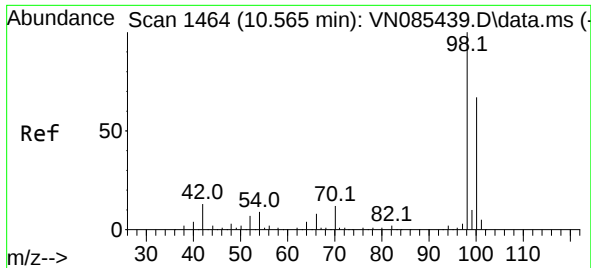
Ion Ratio Lower Upper

88 100

43 772191.3 26.6 39.8#

58 4670.7 59.5 89.3#

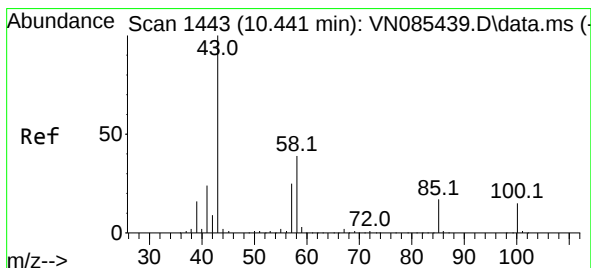
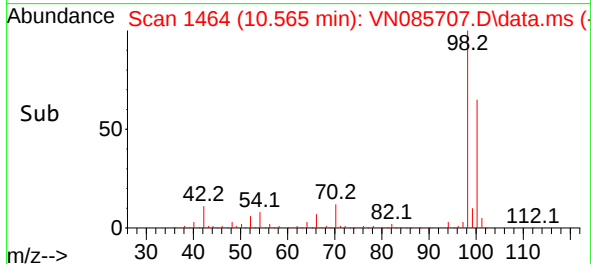
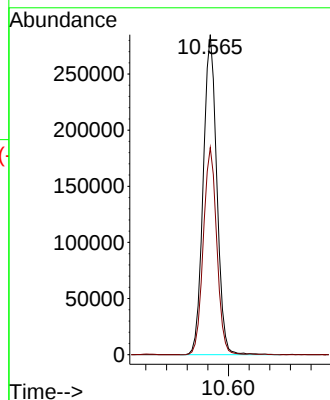
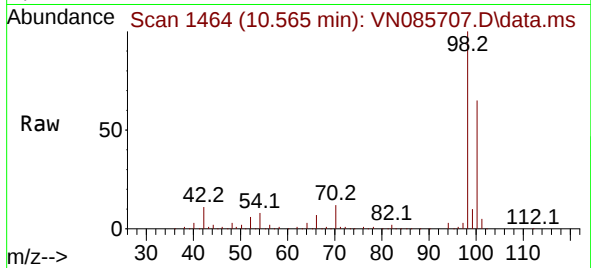




#50
Toluene-d8
Concen: 52.367 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

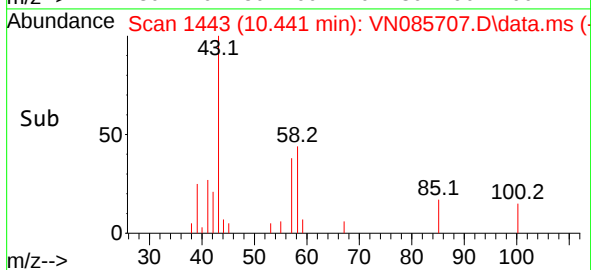
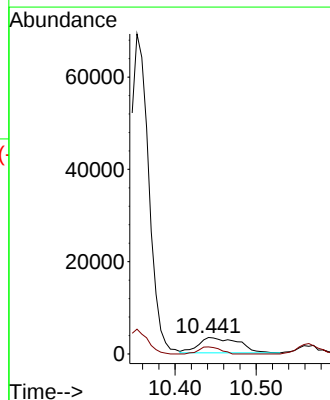
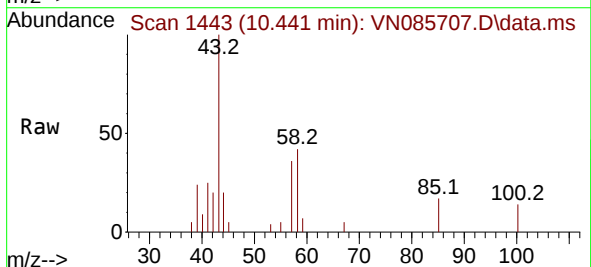
Instrument :
MSVOA_N
ClientSampleId :
WC-1

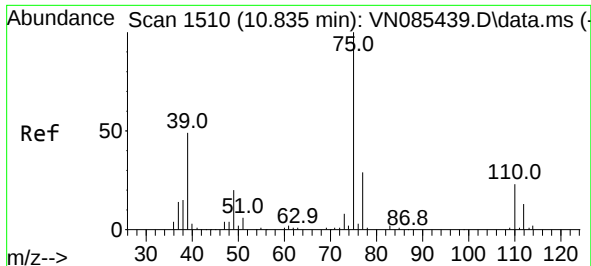
Tgt Ion: 98 Resp: 518577
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.108 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

Tgt Ion: 43 Resp: 11412
Ion Ratio Lower Upper
43 100
58 24.9 30.5 45.7#

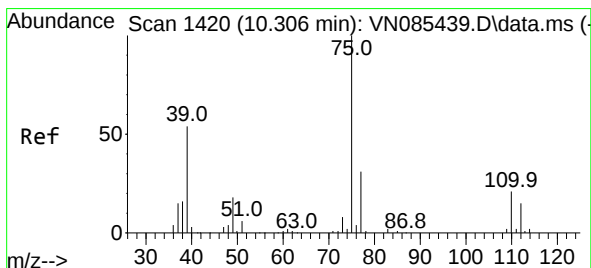
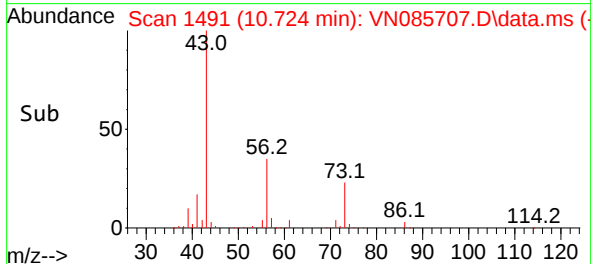
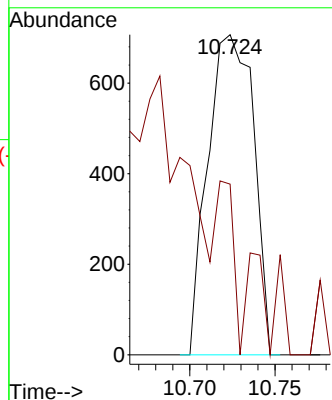
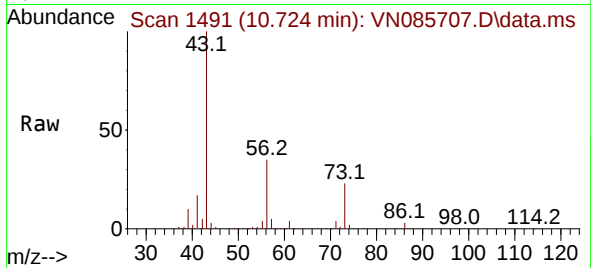




#53
 t-1,3-Dichloropropene
 Concen: 0.316 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085707.D
 Acq: 07 Feb 2025 19:29

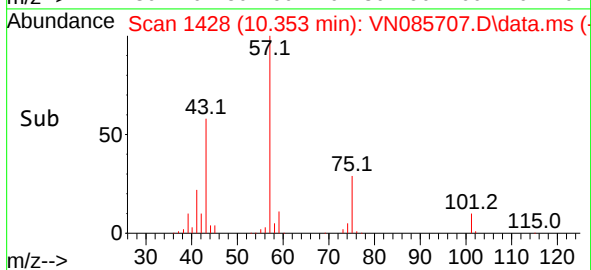
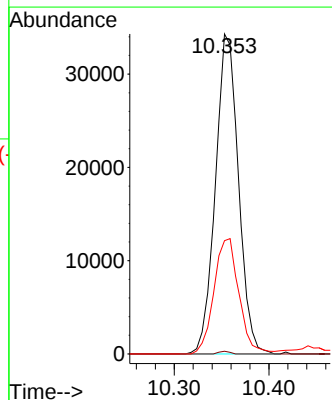
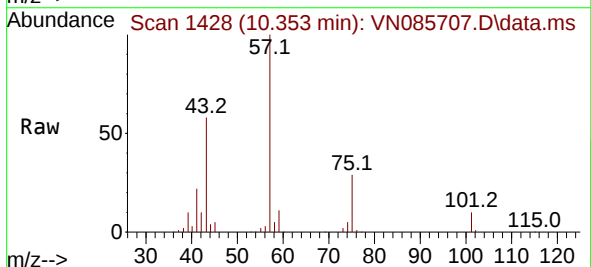
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

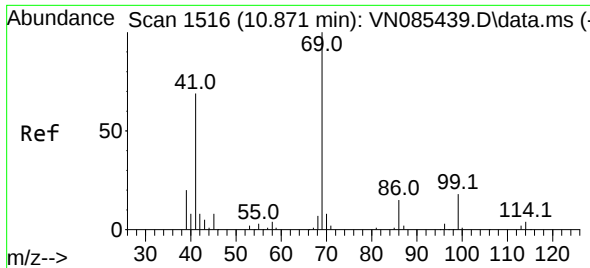
Tgt Ion: 75 Resp: 1319
 Ion Ratio Lower Upper
 75 100
 77 22.1 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 13.018 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085707.D
 Acq: 07 Feb 2025 19:29

Tgt Ion: 75 Resp: 57993
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.4#
 39 35.4 43.1 64.7#

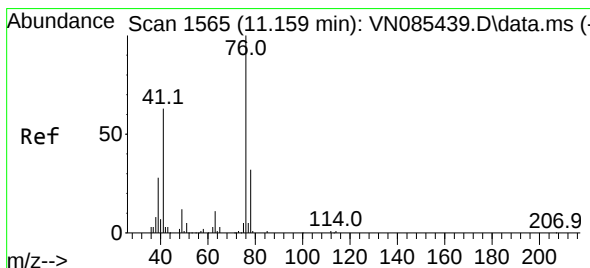
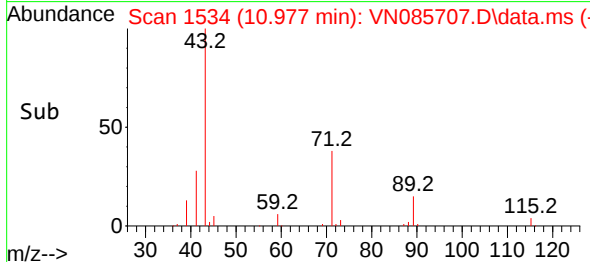
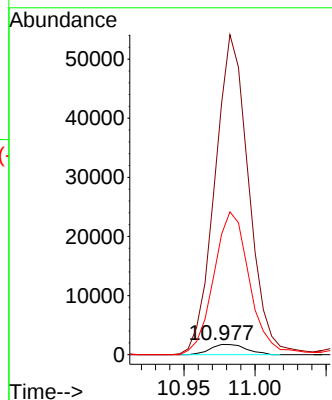
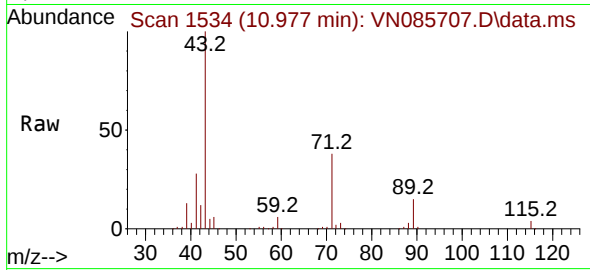




#56
Ethyl methacrylate
Concen: 2.581 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

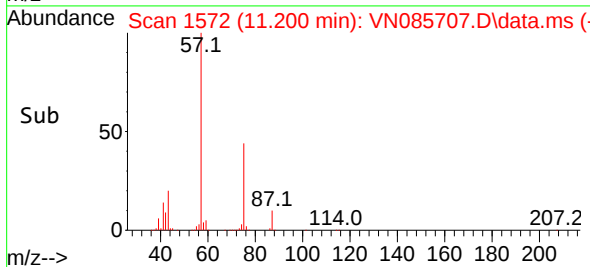
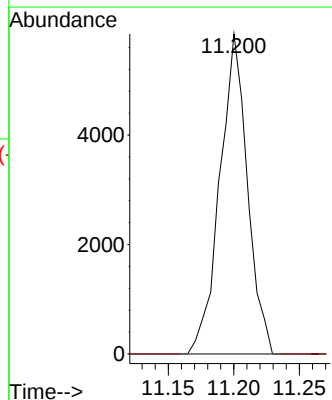
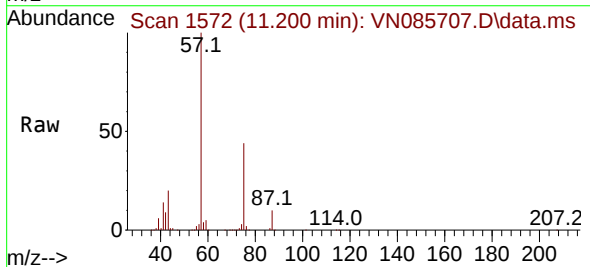
Instrument :
MSVOA_N
ClientSampleId :
WC-1

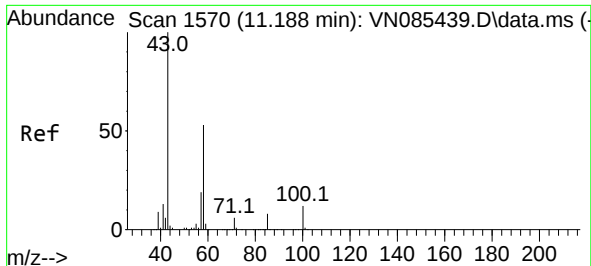
Tgt Ion: 69 Resp: 3071
Ion Ratio Lower Upper
69 100
41 2933.7 54.6 82.0#
39 1386.7 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.827 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

Tgt Ion: 76 Resp: 8562
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

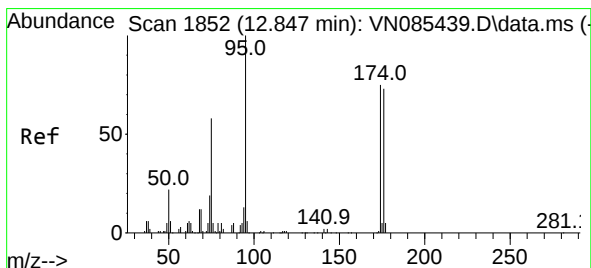
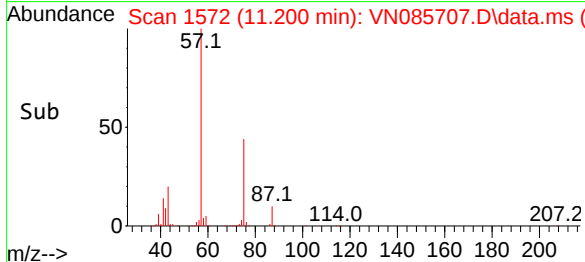
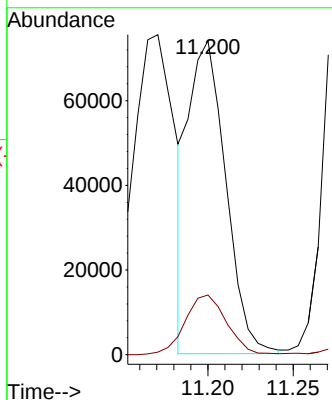
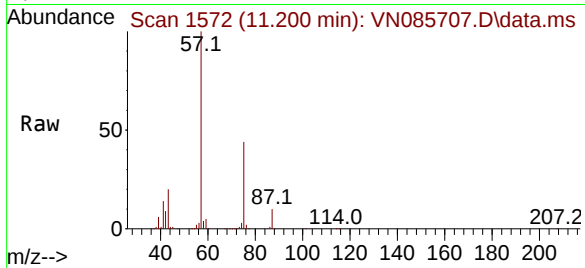




#59
2-Hexanone
Concen: 43.750 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

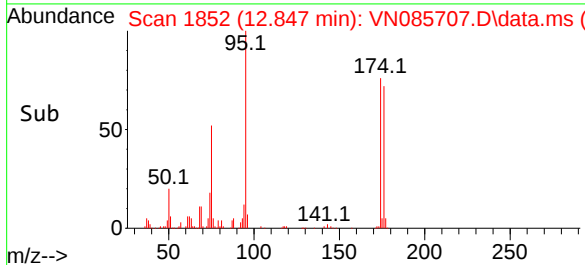
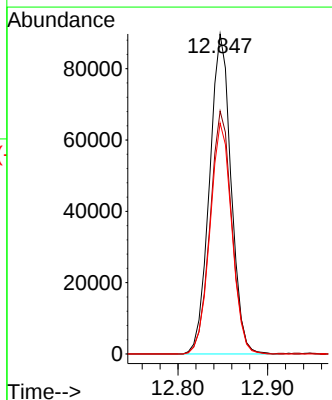
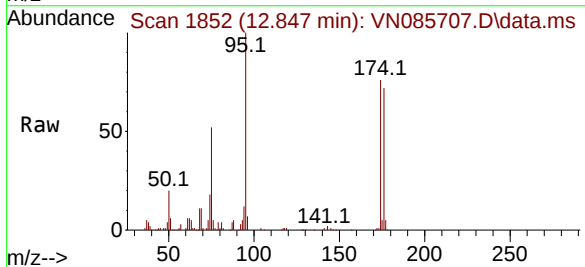
Instrument :
MSVOA_N
ClientSampleId :
WC-1

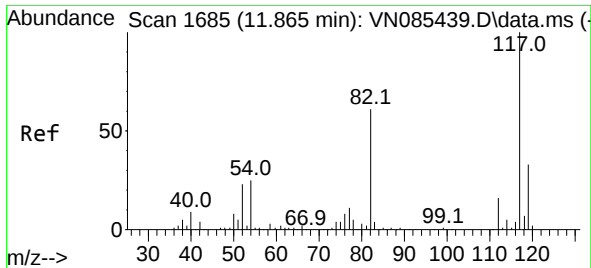
Tgt Ion: 43 Resp: 113015
Ion Ratio Lower Upper
43 100
58 21.2 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.112 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

Tgt Ion: 95 Resp: 149428
Ion Ratio Lower Upper
95 100
174 76.8 0.0 145.0
176 73.0 0.0 142.4

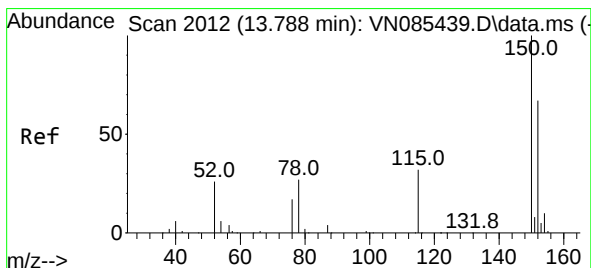
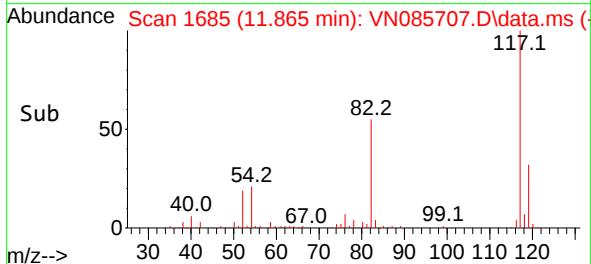
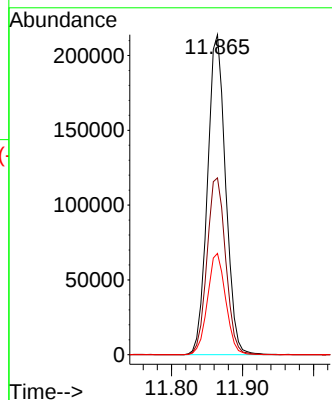
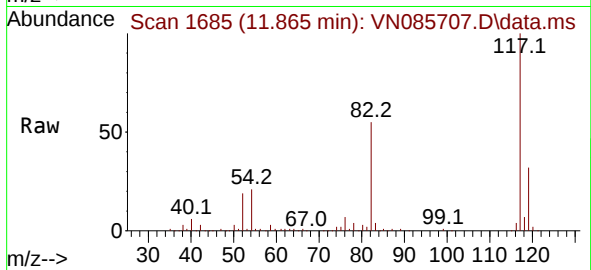




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

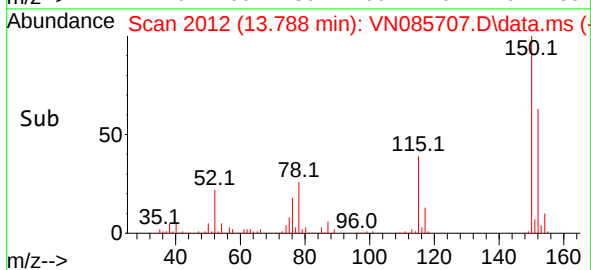
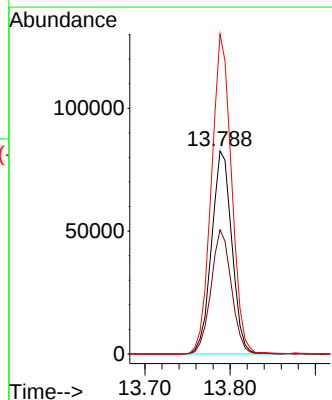
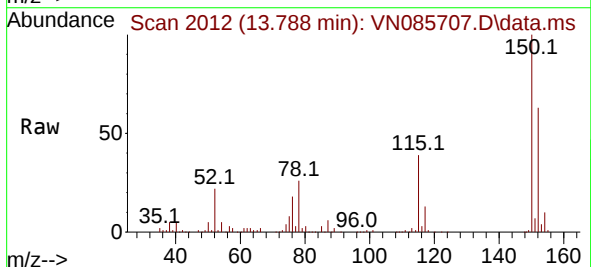
Instrument :
MSVOA_N
ClientSampleId :
WC-1

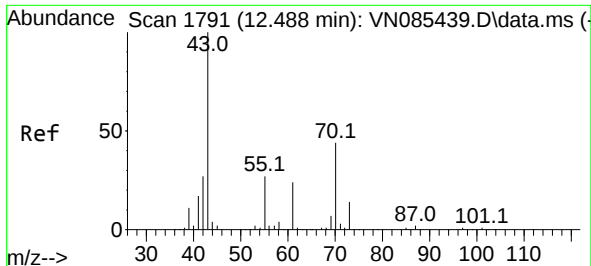
Tgt Ion:117 Resp: 379324
Ion Ratio Lower Upper
117 100
82 55.2 48.6 72.8
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

Tgt Ion:152 Resp: 136382
Ion Ratio Lower Upper
152 100
115 61.5 31.1 93.3
150 156.4 0.0 343.6

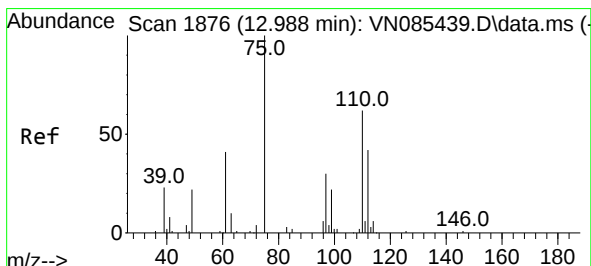
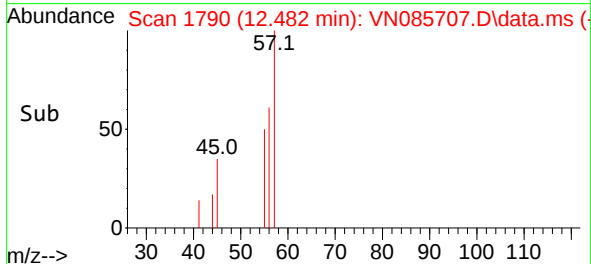
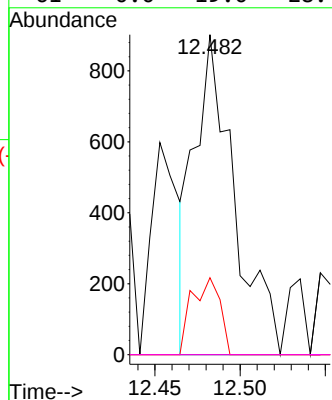
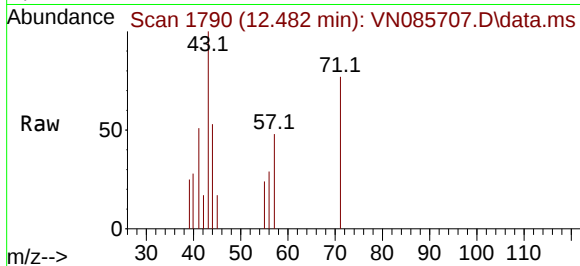




#74
N-amy1 acetate
Concen: 0.355 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

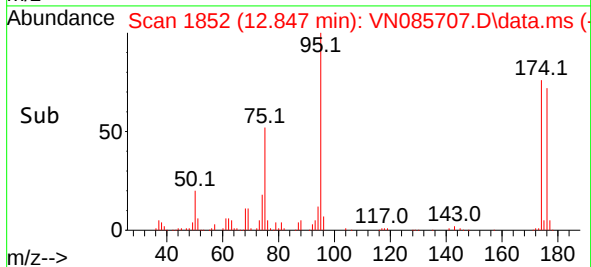
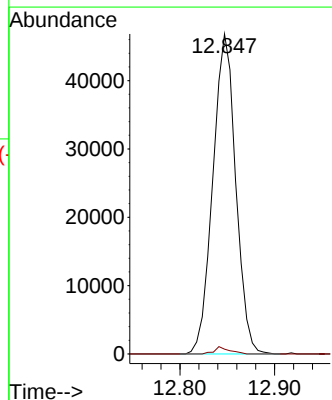
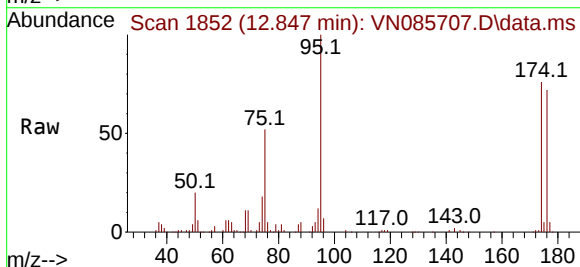
Instrument :
MSVOA_N
ClientSampleId :
WC-1

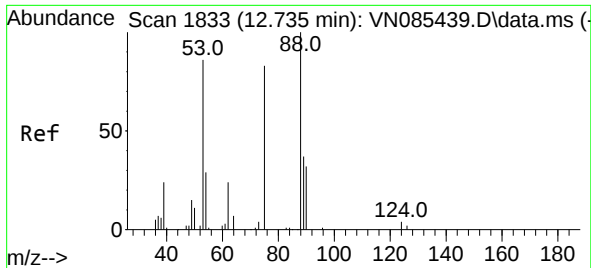
Tgt Ion:	43	Resp:	1467
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.0	51.0#
55	17.0	21.4	32.2#
61	0.0	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 28.431 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085707.D
Acq: 07 Feb 2025 19:29

Tgt Ion:	75	Resp:	78810
Ion	Ratio	Lower	Upper
75	100		
77	1.5	109.7	329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.921 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085707.D
 Acq: 07 Feb 2025 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Tgt Ion: 75 Resp: 78810
 Ion Ratio Lower Upper
 75 100
 53 0.2 95.6 143.4#
 89 0.0 37.0 55.6#

