

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085130.D
 Acq On : 06 Dec 2024 16:27
 Operator : JC\MD
 Sample : P5051-04 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: Dec 06 23:10:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

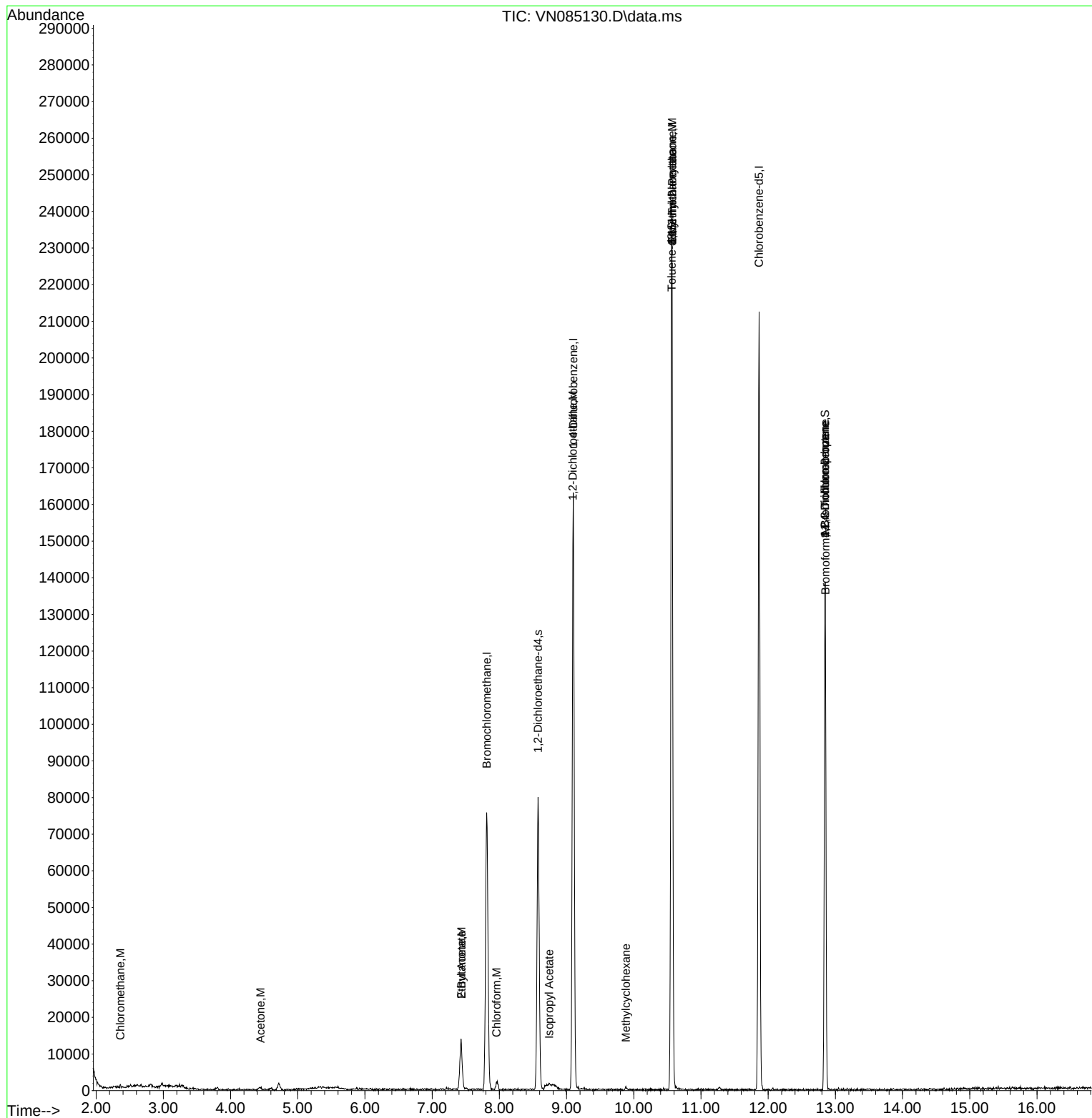
Internal Standards						
1) Bromochloromethane	7.812	128	26993	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	137167	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	123603	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	66215	30.916	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.067%			
60) 4-Bromofluorobenzene	12.847	95	48624	23.775	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 79.267%			
63) Toluene-d8	10.565	98	166192	28.664	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.533%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	391	0.205	ug/l #	46
15) Acetone	4.447	58	142	0.651	ug/l #	1
25) Chloroform	7.959	83	1320	0.395	ug/l	85
30) 2-Butanone	7.436	43	407	0.401	ug/l #	54
36) 1,2-Dichloroethane	9.094	62	4902	2.071	ug/l #	75
38) Methylcyclohexane	9.882	83	491	0.204	ug/l #	15
43) Ethyl Acetate	7.436	43	407	0.201	ug/l #	1
44) Isopropyl Acetate	8.741	43	1005	0.286	ug/l #	48
50) 1,1,2-Trichloroethane	10.571	97	5629	3.458	ug/l #	1
51) Ethyl methacrylate	10.571	69	729	0.294	ug/l #	25
56) Bromoform	12.853	173	305	0.229	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	614	0.304	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	25368	11.839	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	25368	32.582	ug/l #	10

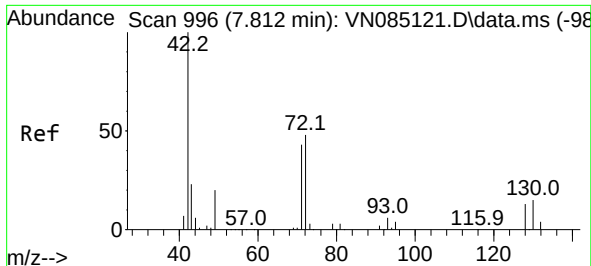
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
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QLast Update : Fri Dec 06 22:50:42 2024
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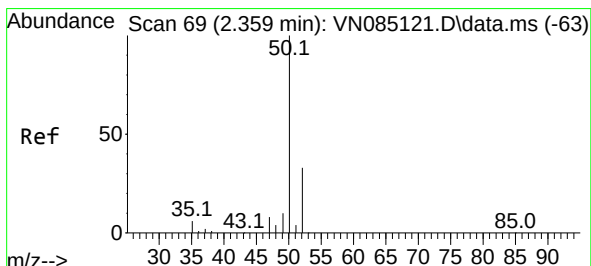
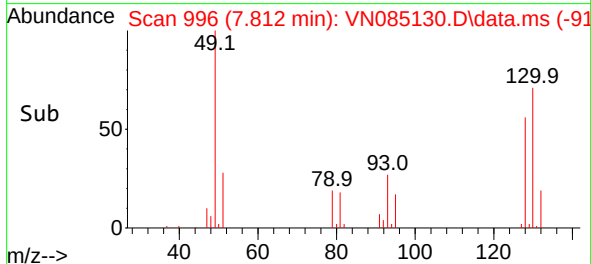
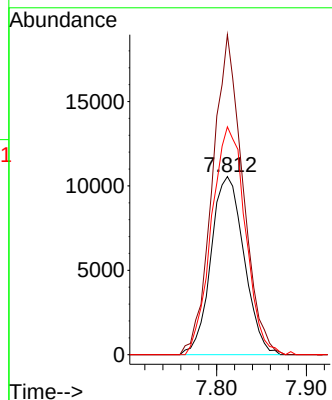
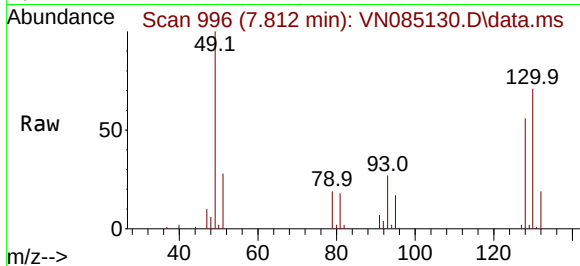




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN085130.D
Acq: 06 Dec 2024 16:27

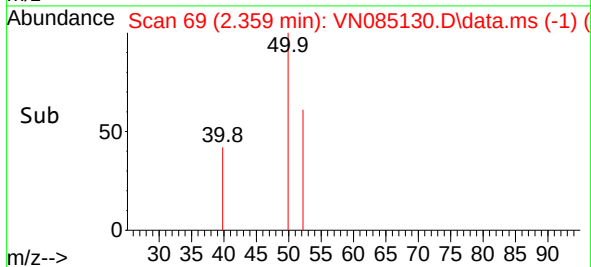
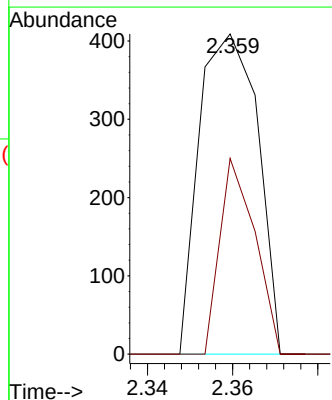
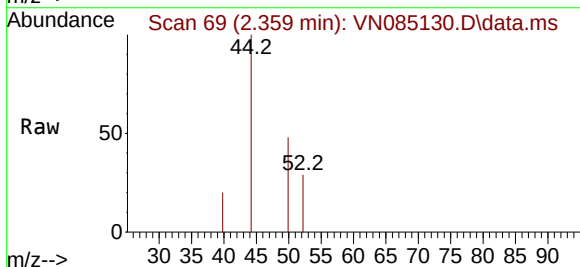
Instrument :
MSVOA_N
ClientSampleId :
14B-4

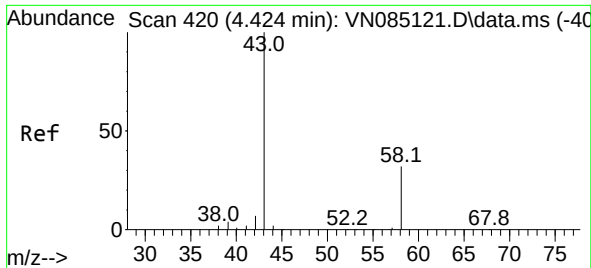
Tgt Ion:128 Resp: 26993
Ion Ratio Lower Upper
128 100
49 165.0 0.0 394.5
130 131.0 0.0 316.5



#3
Chloromethane
Concen: 0.205 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085130.D
Acq: 06 Dec 2024 16:27

Tgt Ion: 50 Resp: 391
Ion Ratio Lower Upper
50 100
52 61.1 25.0 37.4#





#15

Acetone

Concen: 0.651 ug/l

RT: 4.447 min Scan# 41

Delta R.T. 0.024 min

Lab File: VN085130.D

Acq: 06 Dec 2024 16:27

Instrument :

MSVOA_N

ClientSampleId :

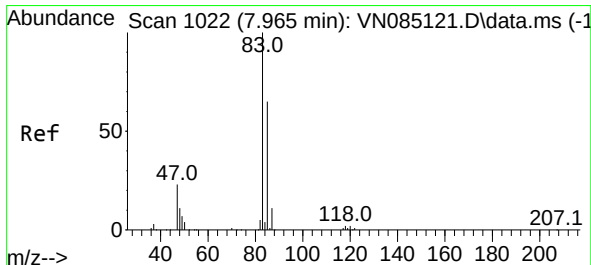
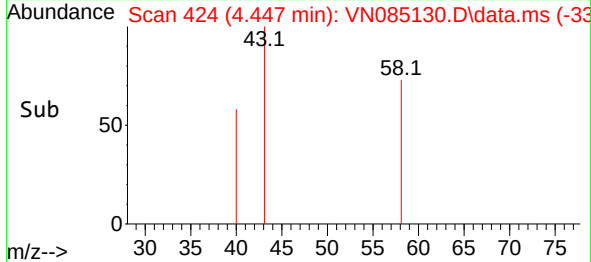
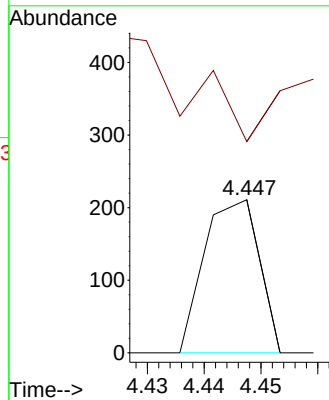
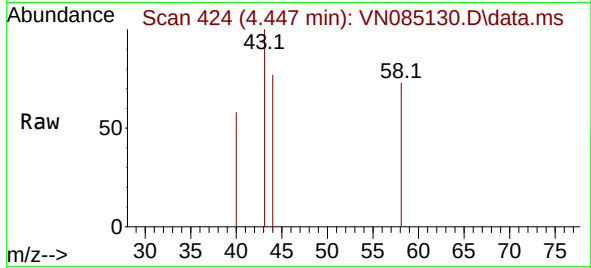
14B-4

Tgt Ion: 58 Resp: 142

Ion Ratio Lower Upper

58 100

43 0.0 242.3 363.5#



#25

Chloroform

Concen: 0.395 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VN085130.D

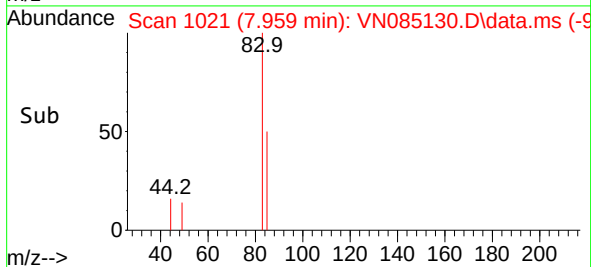
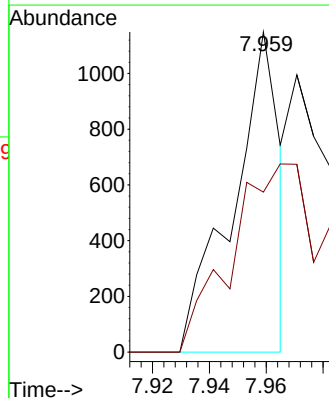
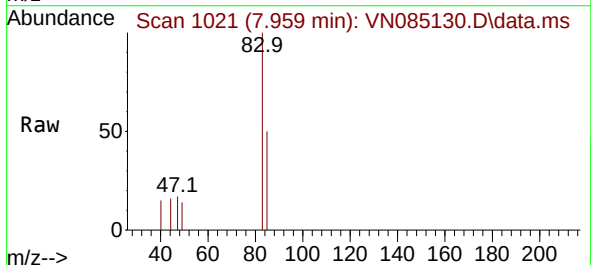
Acq: 06 Dec 2024 16:27

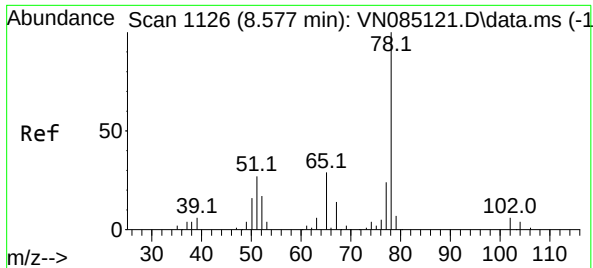
Tgt Ion: 83 Resp: 1320

Ion Ratio Lower Upper

83 100

85 50.0 49.4 74.0

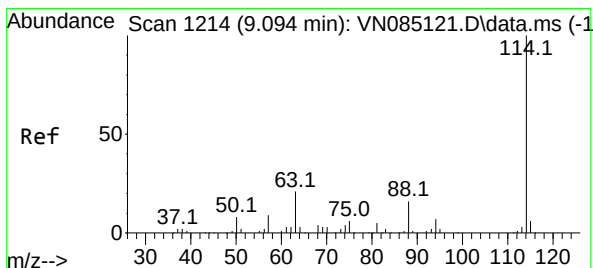
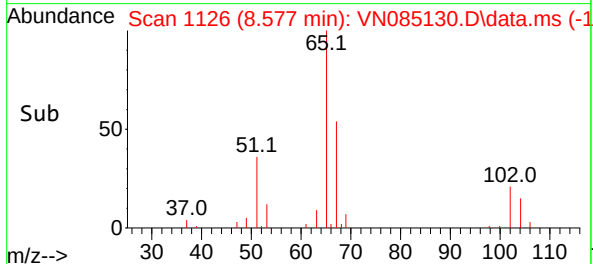
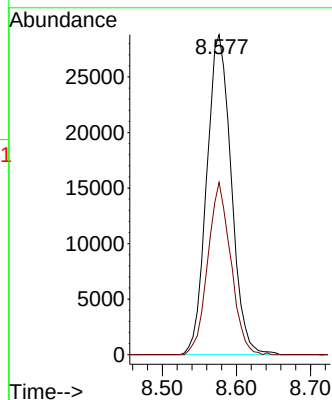
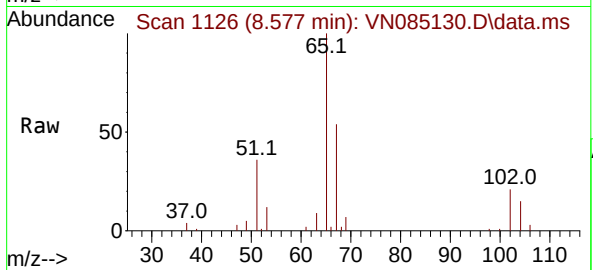




#27
 1,2-Dichloroethane-d4
 Concen: 30.916 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN085130.D
 Acq: 06 Dec 2024 16:27

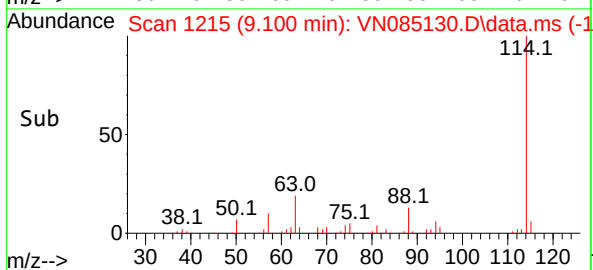
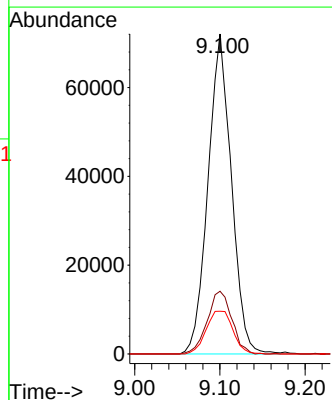
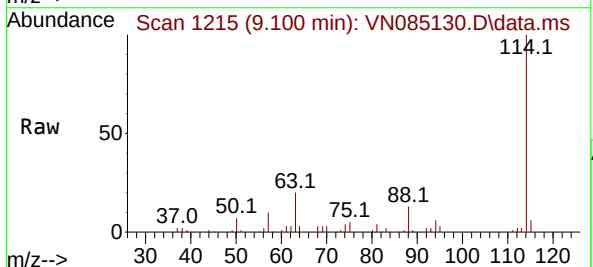
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

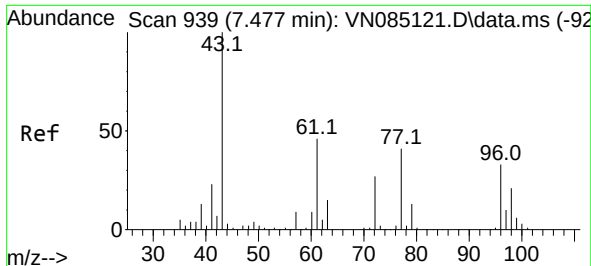
Tgt Ion: 65 Resp: 66215
 Ion Ratio Lower Upper
 65 100
 67 50.5 39.9 59.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN085130.D
 Acq: 06 Dec 2024 16:27

Tgt Ion: 114 Resp: 137167
 Ion Ratio Lower Upper
 114 100
 63 20.6 16.2 24.2
 88 15.3 12.5 18.7

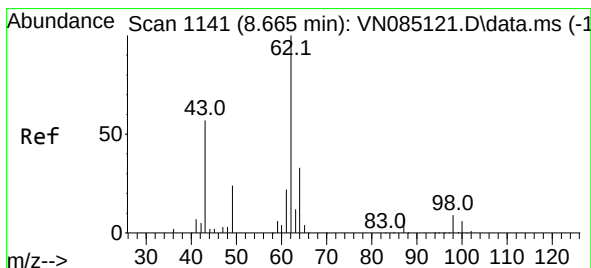
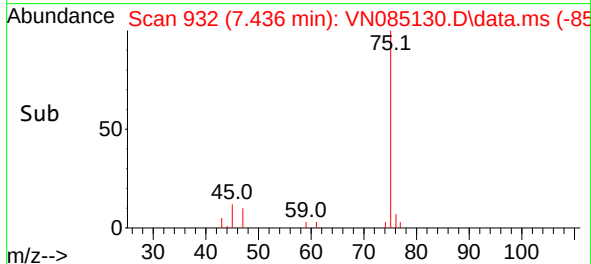
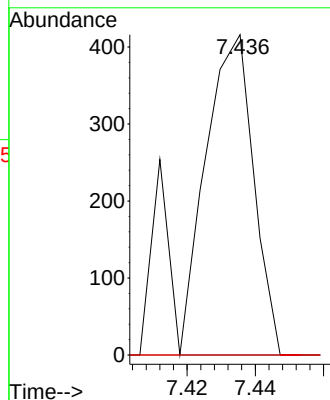
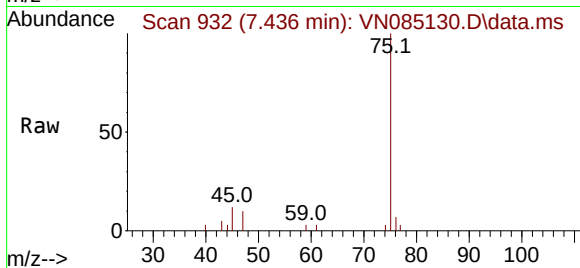




#30
2-Butanone
Concen: 0.401 ug/l
RT: 7.436 min Scan# 91
Delta R.T. -0.047 min
Lab File: VN085130.D
Acq: 06 Dec 2024 16:27

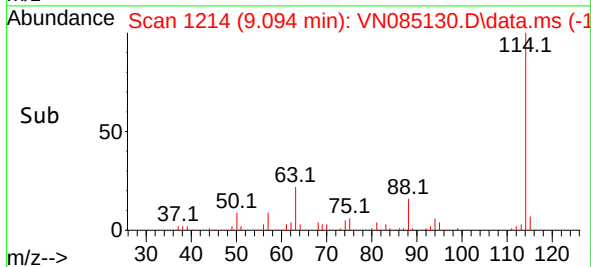
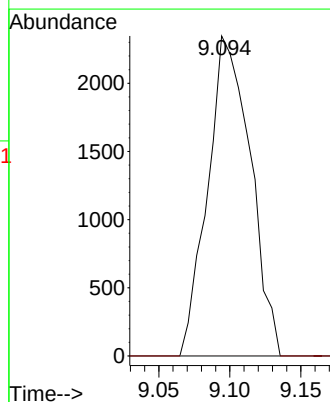
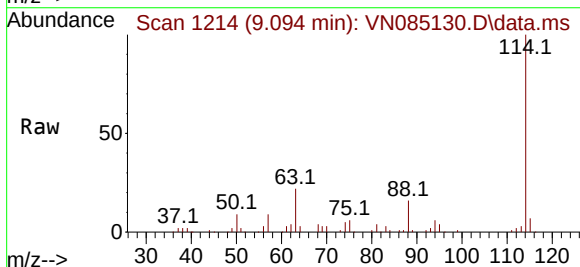
Instrument :
MSVOA_N
ClientSampleId :
14B-4

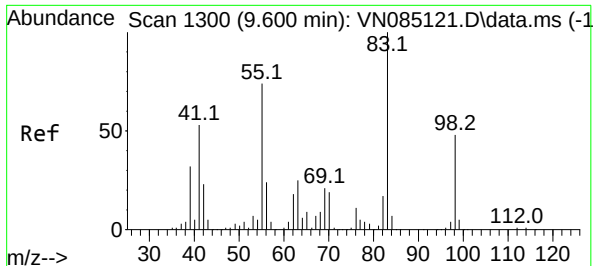
Tgt Ion: 43 Resp: 407
Ion Ratio Lower Upper
43 100
57 0.0 6.9 10.3#
72 0.0 21.8 32.8#



#36
1,2-Dichloroethane
Concen: 2.071 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.429 min
Lab File: VN085130.D
Acq: 06 Dec 2024 16:27

Tgt Ion: 62 Resp: 4902
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#





#38

Methylcyclohexane

Concen: 0.204 ug/l

RT: 9.882 min Scan# 11

Delta R.T. 0.282 min

Lab File: VN085130.D

Acq: 06 Dec 2024 16:27

Instrument :

MSVOA_N

ClientSampleId :

14B-4

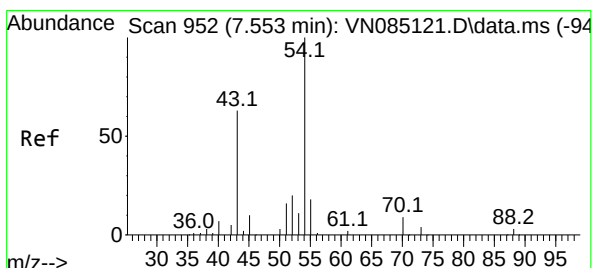
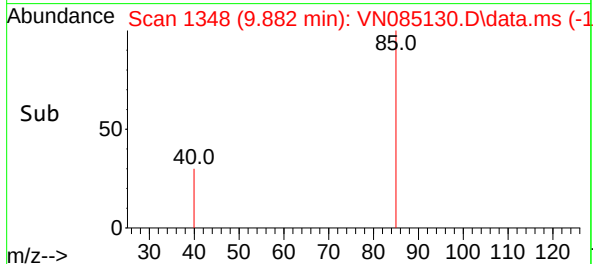
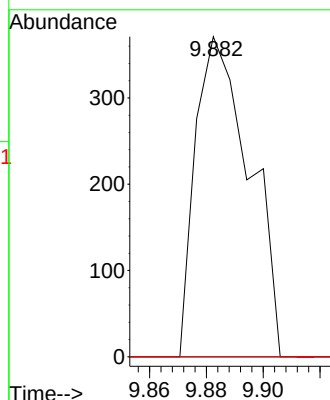
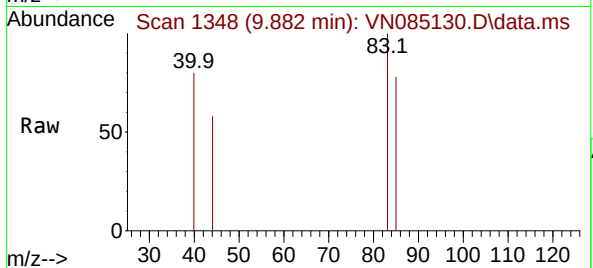
Tgt Ion: 83 Resp: 491

Ion Ratio Lower Upper

83 100

55 0.0 41.4 124.4#

98 0.0 25.7 77.1#



#43

Ethyl Acetate

Concen: 0.201 ug/l

RT: 7.436 min Scan# 932

Delta R.T. -0.123 min

Lab File: VN085130.D

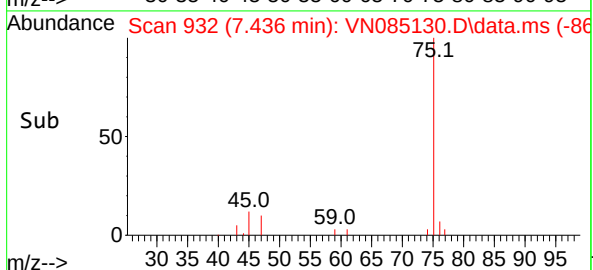
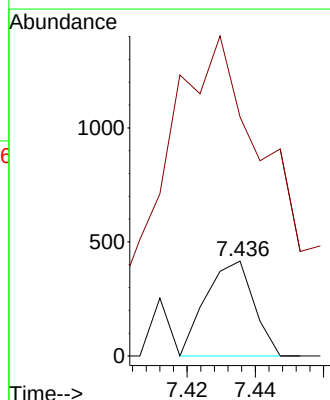
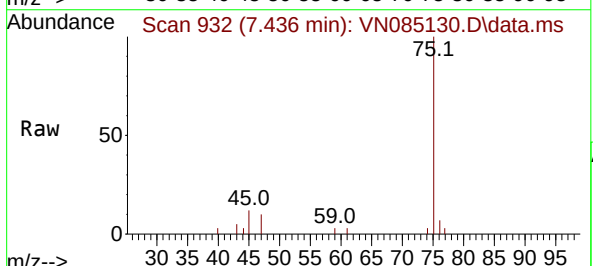
Acq: 06 Dec 2024 16:27

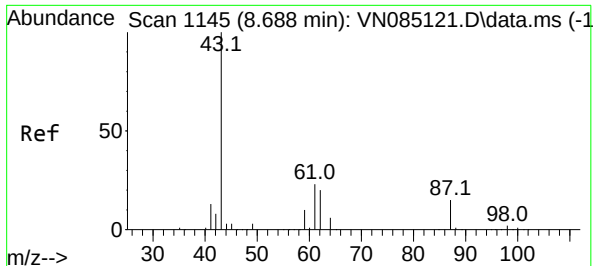
Tgt Ion: 43 Resp: 407

Ion Ratio Lower Upper

43 100

45 808.1 13.3 19.9#





#44

Isopropyl Acetate

Concen: 0.286 ug/l

RT: 8.741 min Scan# 1145

Delta R.T. 0.053 min

Lab File: VN085130.D

Acq: 06 Dec 2024 16:27

Instrument :

MSVOA_N

ClientSampleId :

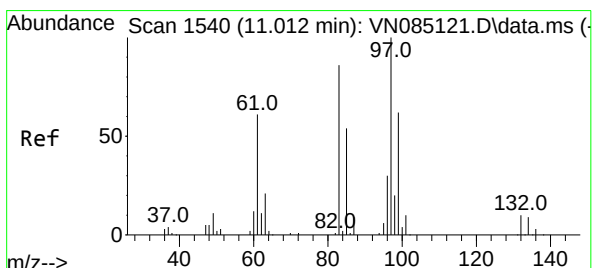
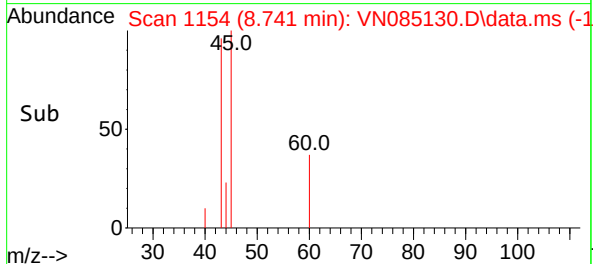
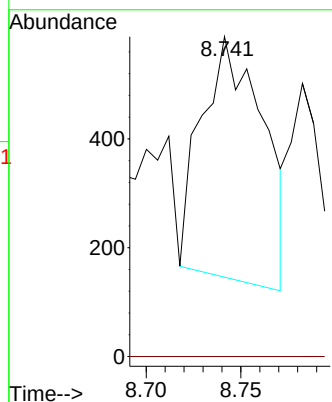
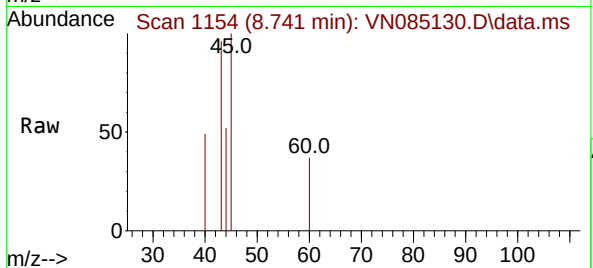
14B-4

Tgt Ion: 43 Resp: 1005

Ion Ratio Lower Upper

43 100

61 0.0 21.5 32.3#



#50

1,1,2-Trichloroethane

Concen: 3.458 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.441 min

Lab File: VN085130.D

Acq: 06 Dec 2024 16:27

Tgt Ion: 97 Resp: 5629

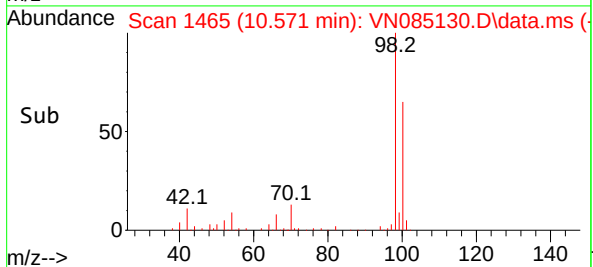
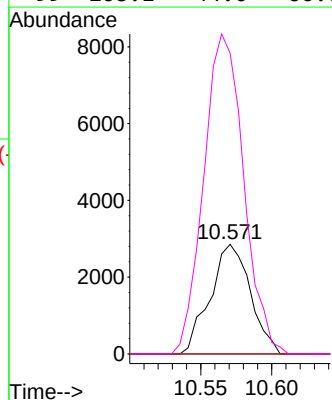
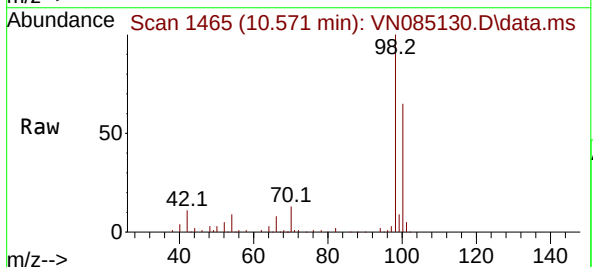
Ion Ratio Lower Upper

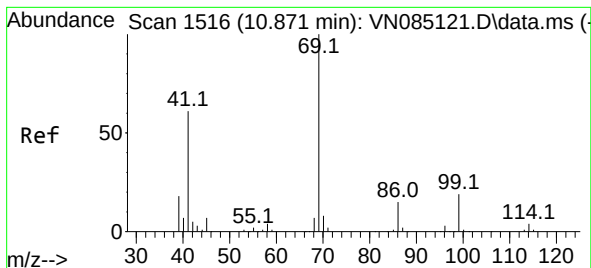
97 100

83 0.0 65.8 98.8#

85 0.0 40.8 61.2#

99 268.1 44.0 66.0#





#51

Ethyl methacrylate

Concen: 0.294 ug/l

RT: 10.571 min Scan# 14

Delta R.T. -0.300 min

Lab File: VN085130.D

Acq: 06 Dec 2024 16:27

Instrument :

MSVOA_N

ClientSampleId :

14B-4

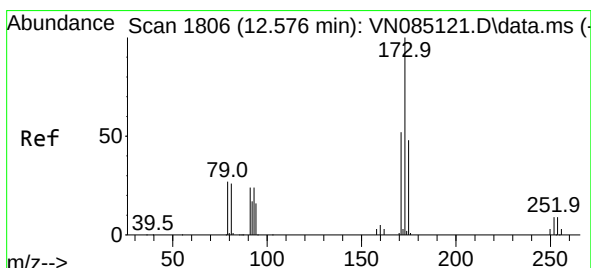
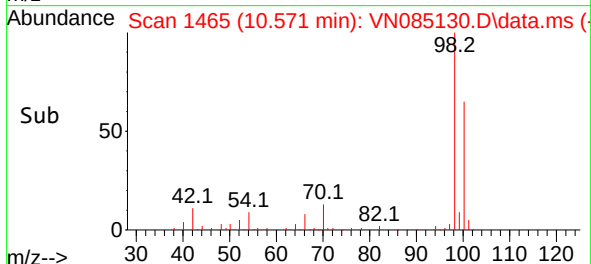
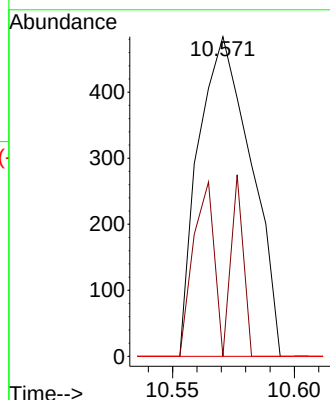
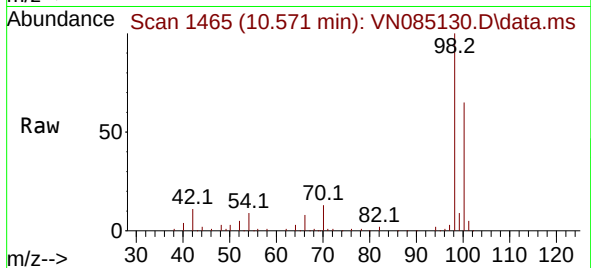
Tgt Ion: 69 Resp: 729

Ion Ratio Lower Upper

69 100

41 0.0 32.1 96.3#

39 0.0 18.8 56.4#



#56

Bromoform

Concen: 0.229 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.277 min

Lab File: VN085130.D

Acq: 06 Dec 2024 16:27

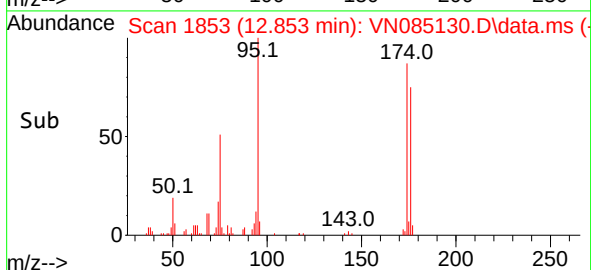
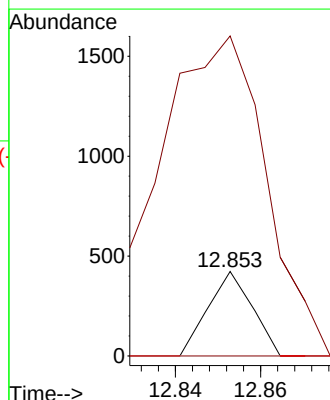
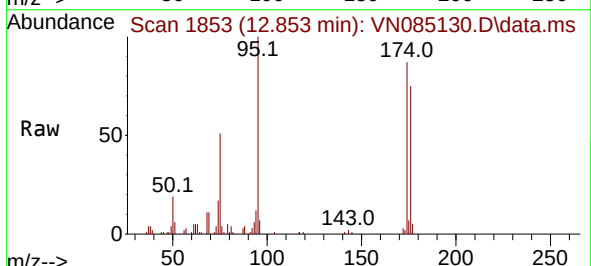
Tgt Ion:173 Resp: 305

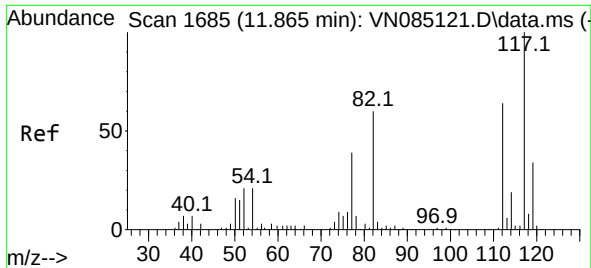
Ion Ratio Lower Upper

173 100

175 913.1 40.2 60.2#

254 0.0 6.2 9.4#

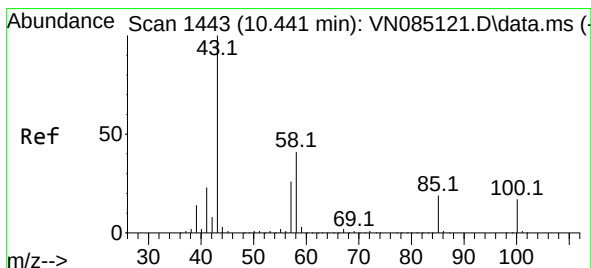
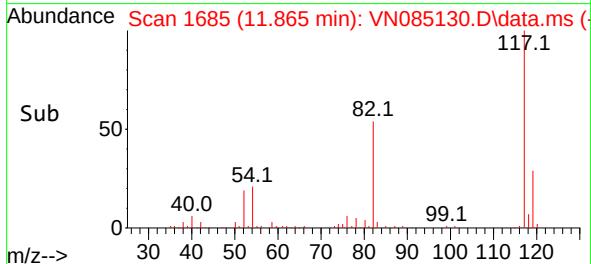
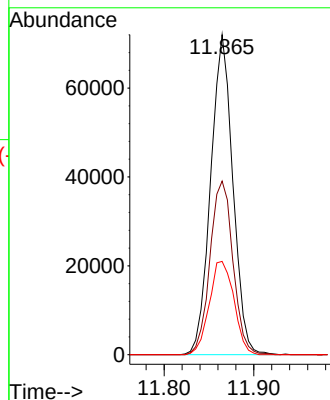
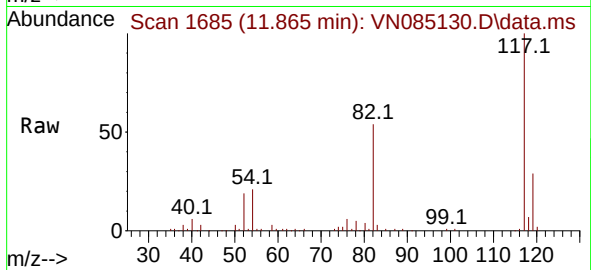




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085130.D
Acq: 06 Dec 2024 16:27

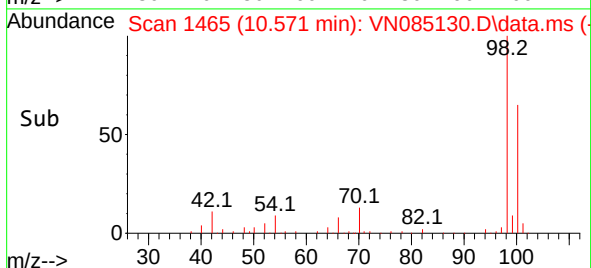
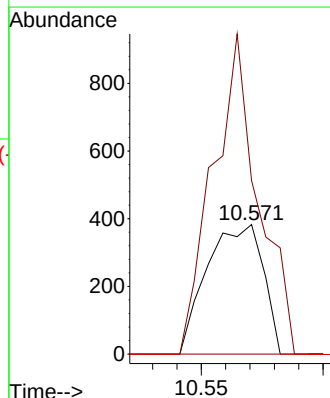
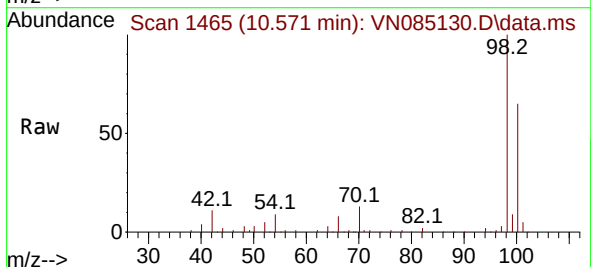
Instrument :
MSVOA_N
ClientSampleId :
14B-4

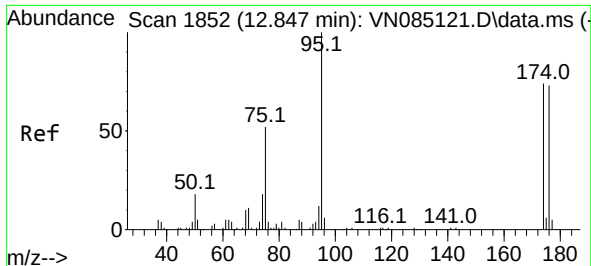
Tgt Ion:117 Resp: 123603
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.4
119 32.4 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.304 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.129 min
Lab File: VN085130.D
Acq: 06 Dec 2024 16:27

Tgt Ion: 43 Resp: 614
Ion Ratio Lower Upper
43 100
58 199.7 31.6 47.4#
85 0.0 15.0 22.6#

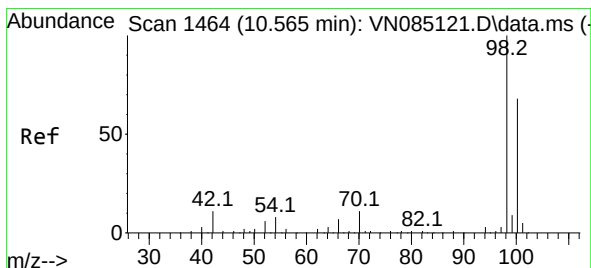
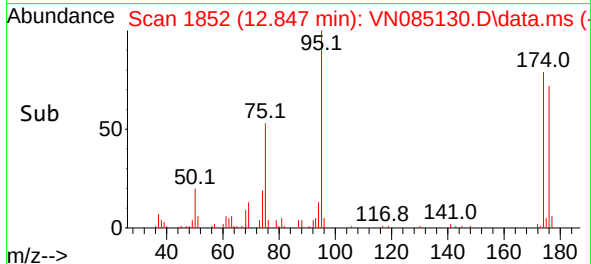
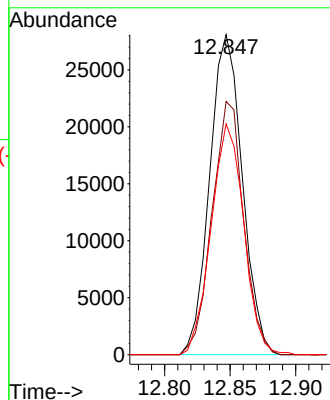
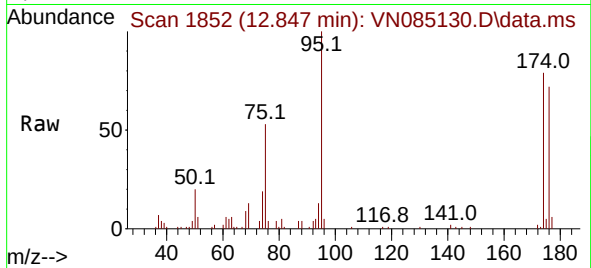




#60
4-Bromofluorobenzene
Concen: 23.775 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085130.D
Acq: 06 Dec 2024 16:27

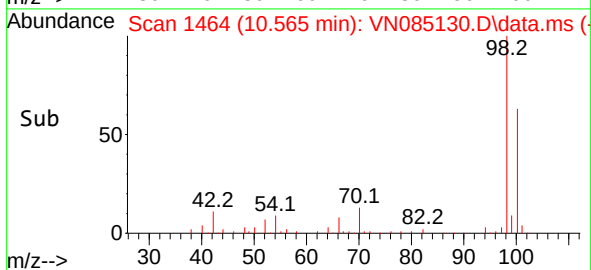
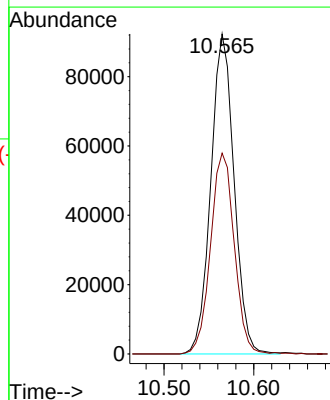
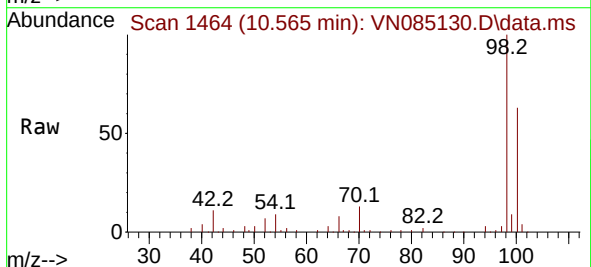
Instrument :
MSVOA_N
ClientSampleId :
14B-4

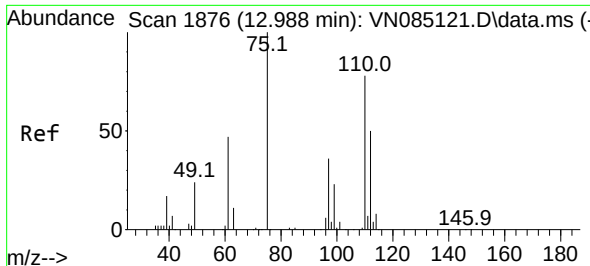
Tgt Ion: 95 Resp: 48624
Ion Ratio Lower Upper
95 100
174 76.7 60.3 90.5
176 72.1 57.4 86.0



#63
Toluene-d8
Concen: 28.664 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085130.D
Acq: 06 Dec 2024 16:27

Tgt Ion: 98 Resp: 166192
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

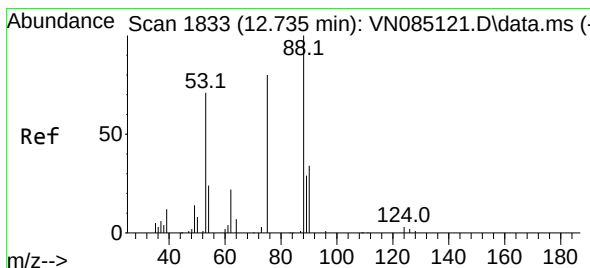
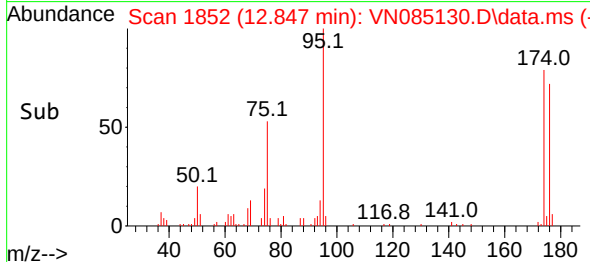
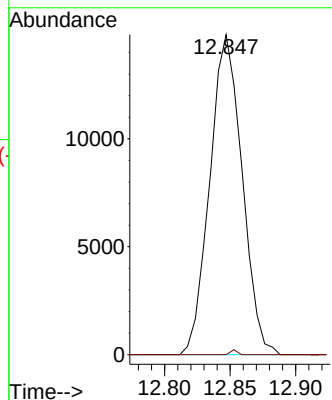
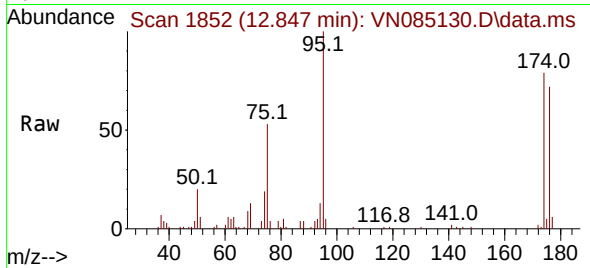




#72
1,2,3-Trichloropropane
Concen: 11.839 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085130.D
Acq: 06 Dec 2024 16:27

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 75 Resp: 25368
Ion Ratio Lower Upper
75 100
77 0.0 0.0 339.0



#77
t-1,4-Dichloro-2-butene
Concen: 32.582 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085130.D
Acq: 06 Dec 2024 16:27

Tgt Ion: 75 Resp: 25368
Ion Ratio Lower Upper
75 100
53 0.0 49.1 147.3#
89 0.0 22.9 68.5#

