

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085134.D
 Acq On : 06 Dec 2024 18:03
 Operator : JC\MD
 Sample : P5068-04 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 23:11:52 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)

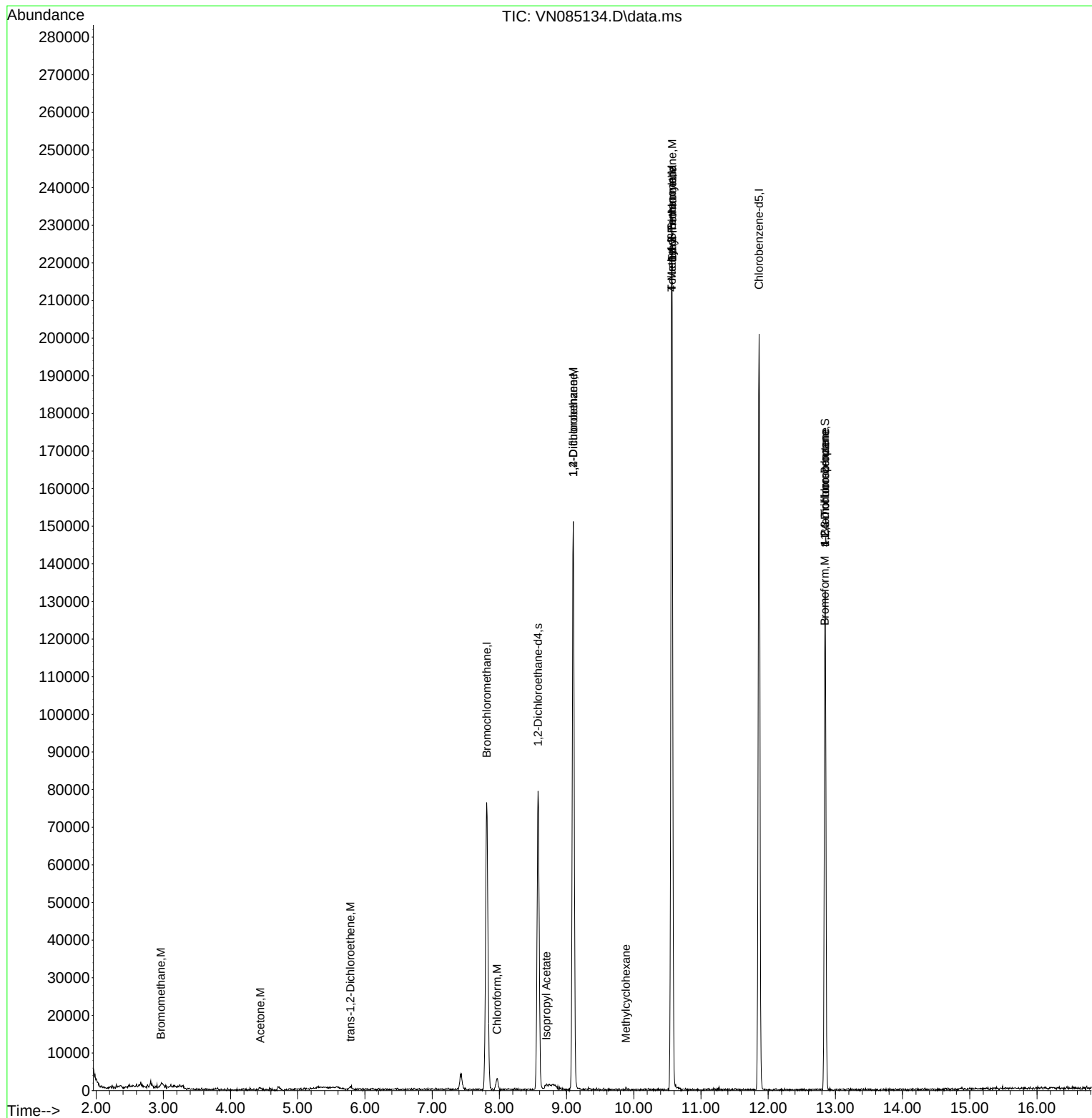
Internal Standards						
1) Bromochloromethane	7.812	128	27383	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	128352	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	118770	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	64928	29.883	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.600%
60) 4-Bromofluorobenzene	12.847	95	45902	23.358	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.867%
63) Toluene-d8	10.565	98	157552	28.279	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.267%
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	396	0.314	ug/l	96
15) Acetone	4.442	58	125	0.565	ug/l #	1
19) trans-1,2-Dichloroethene	5.783	96	530	0.306	ug/l	83
25) Chloroform	7.965	83	2373	0.701	ug/l	99
36) 1,2-Dichloroethane	9.100	62	4617	2.085	ug/l #	75
38) Methylcyclohexane	9.882	83	483	0.214	ug/l #	15
44) Isopropyl Acetate	8.700	43	980	0.298	ug/l #	1
50) 1,1,2-Trichloroethane	10.571	97	5295	3.476	ug/l #	1
51) Ethyl methacrylate	10.571	69	525	0.227	ug/l #	75
56) Bromoform	12.841	173	299	0.240	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	569	0.294	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	24123	11.716	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	24123	32.243	ug/l #	10

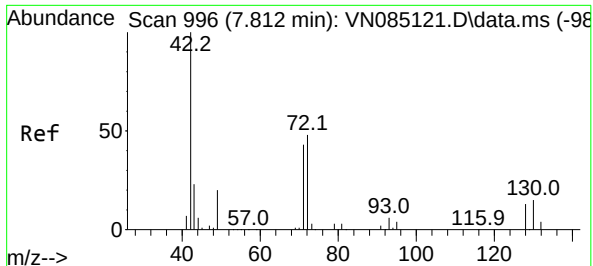
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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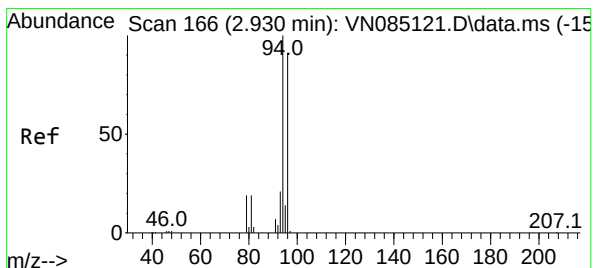
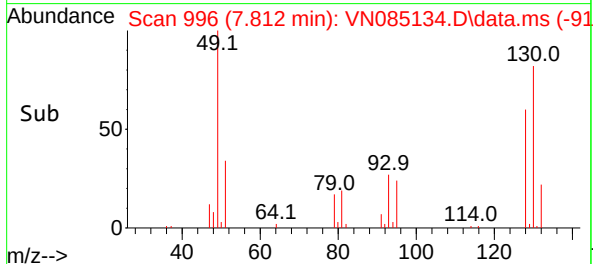
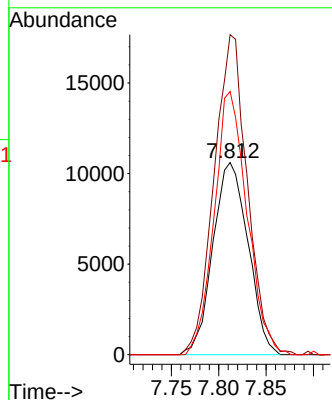
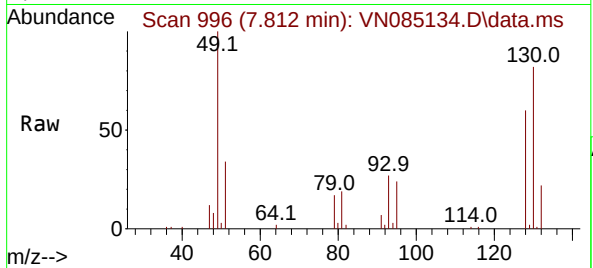




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN085134.D
Acq: 06 Dec 2024 18:03

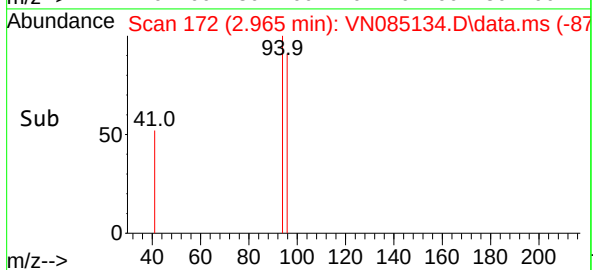
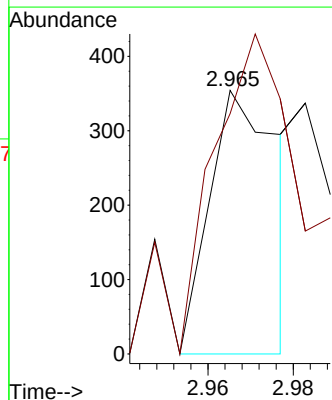
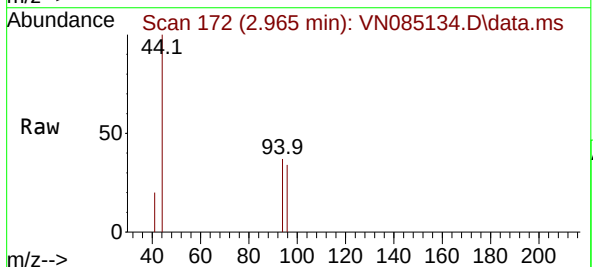
Instrument :
MSVOA_N
ClientSampleId :

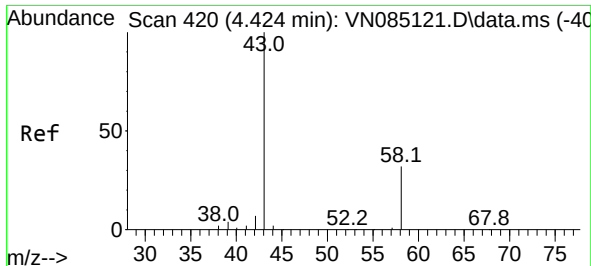
Tgt Ion:128 Resp: 27383
Ion Ratio Lower Upper
128 100
49 157.1 0.0 394.5
130 128.3 0.0 316.5



#5
Bromomethane
Concen: 0.314 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.000 min
Lab File: VN085134.D
Acq: 06 Dec 2024 18:03

Tgt Ion: 94 Resp: 396
Ion Ratio Lower Upper
94 100
96 91.2 76.2 114.4





#15

Acetone

Concen: 0.565 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN085134.D

Acq: 06 Dec 2024 18:03

Instrument :

MSVOA_N

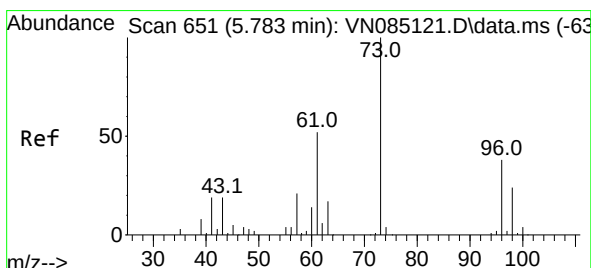
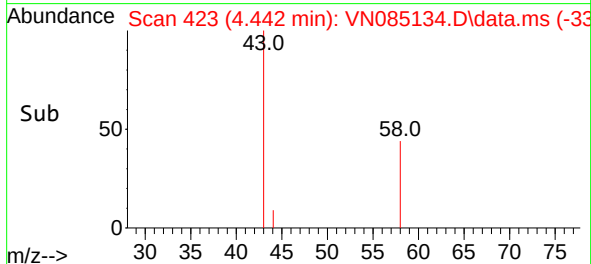
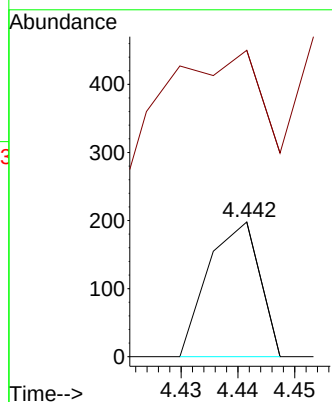
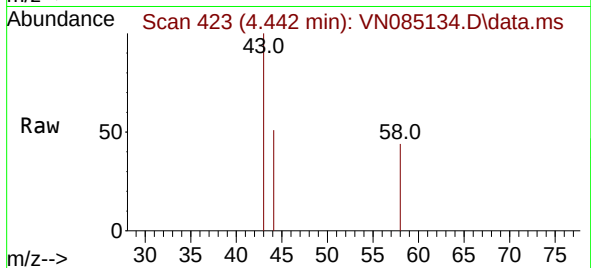
ClientSampleId :

Tgt Ion: 58 Resp: 125

Ion Ratio Lower Upper

58 100

43 76.3 242.3 363.5#



#19

trans-1,2-Dichloroethene

Concen: 0.306 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

Lab File: VN085134.D

Acq: 06 Dec 2024 18:03

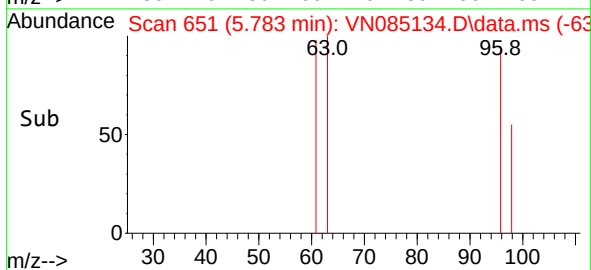
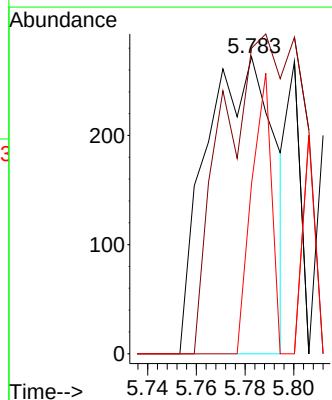
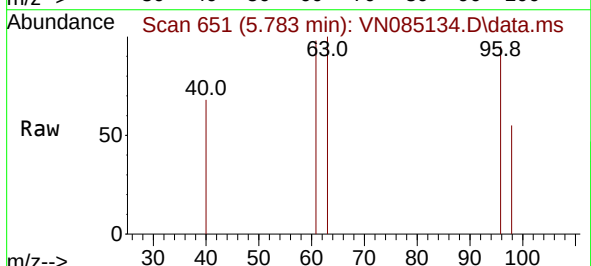
Tgt Ion: 96 Resp: 530

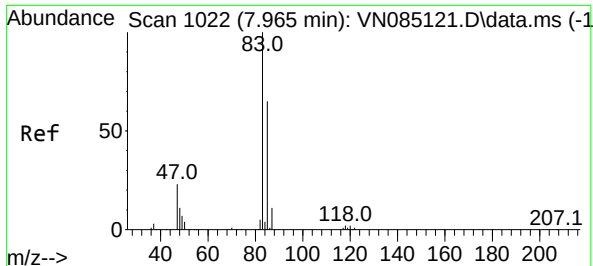
Ion Ratio Lower Upper

96 100

61 102.9 100.4 150.6

98 57.4 52.6 79.0





#25

Chloroform

Concen: 0.701 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085134.D

Acq: 06 Dec 2024 18:03

Instrument :

MSVOA_N

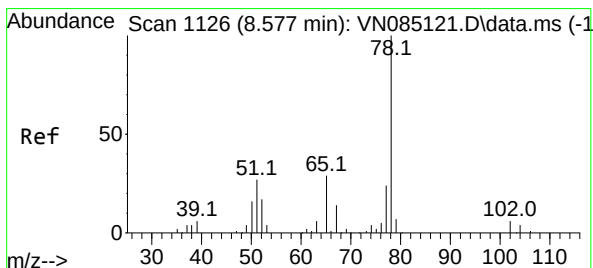
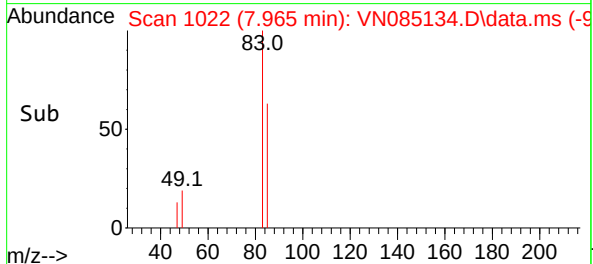
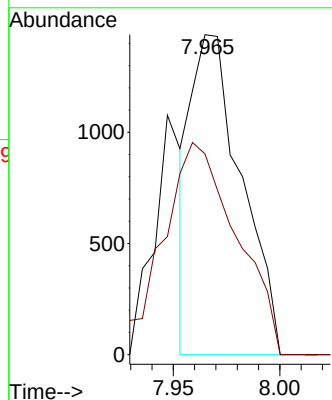
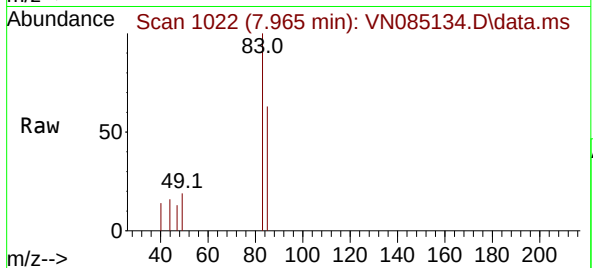
ClientSampleId :

Tgt Ion: 83 Resp: 2373

Ion Ratio Lower Upper

83 100

85 62.8 49.4 74.0



#27

1,2-Dichloroethane-d4

Concen: 29.883 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN085134.D

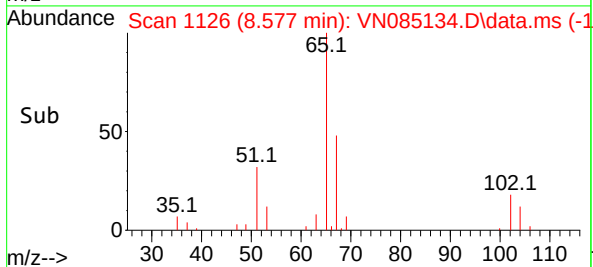
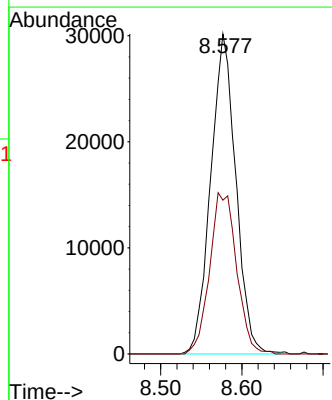
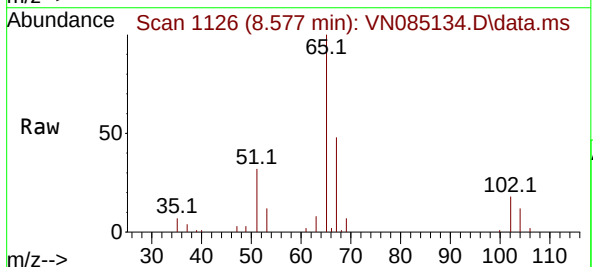
Acq: 06 Dec 2024 18:03

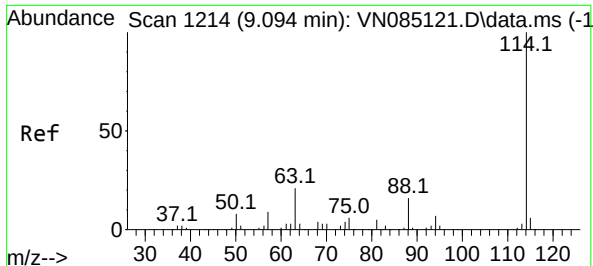
Tgt Ion: 65 Resp: 64928

Ion Ratio Lower Upper

65 100

67 53.8 39.9 59.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN085134.D

Acq: 06 Dec 2024 18:03

Instrument :

MSVOA_N

ClientSampleId :

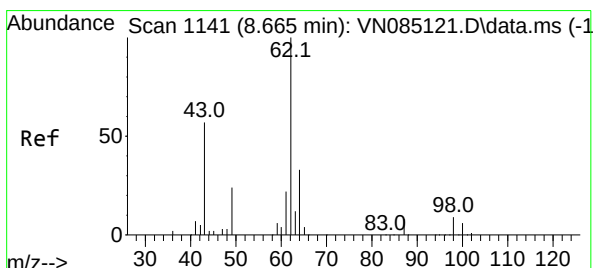
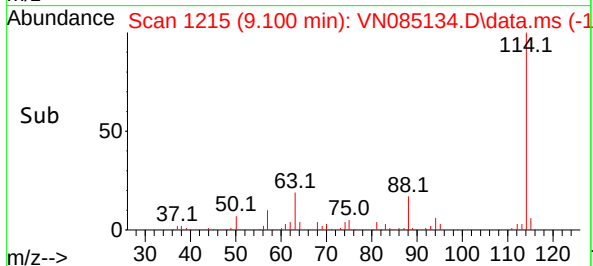
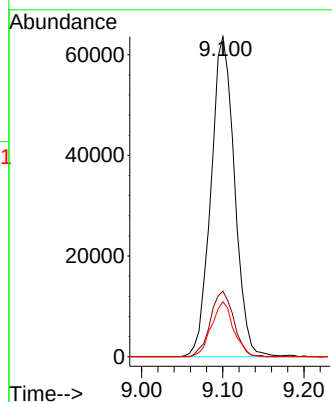
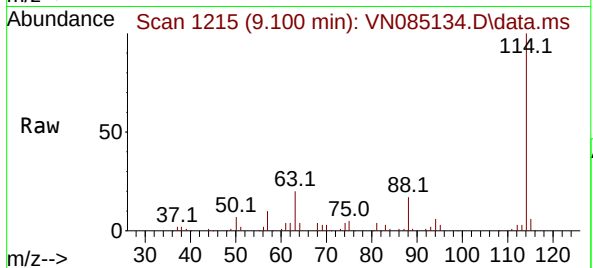
Tgt Ion:114 Resp: 128352

Ion Ratio Lower Upper

114 100

63 20.2 16.2 24.2

88 16.1 12.5 18.7



#36

1,2-Dichloroethane

Concen: 2.085 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.435 min

Lab File: VN085134.D

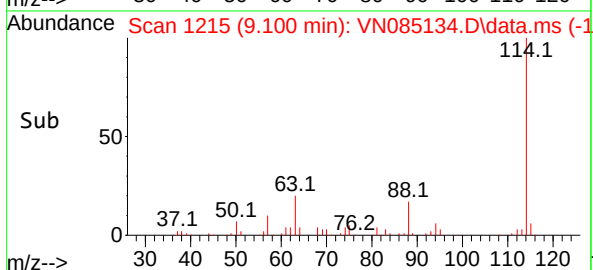
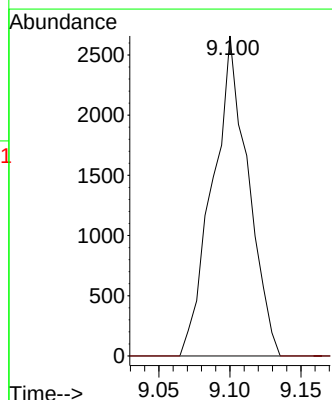
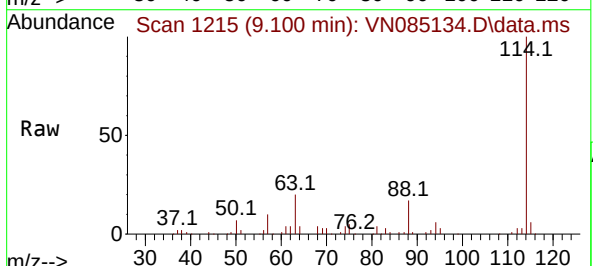
Acq: 06 Dec 2024 18:03

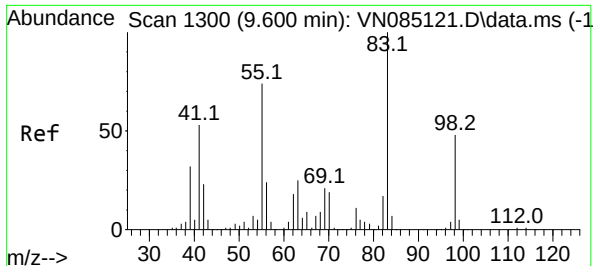
Tgt Ion: 62 Resp: 4617

Ion Ratio Lower Upper

62 100

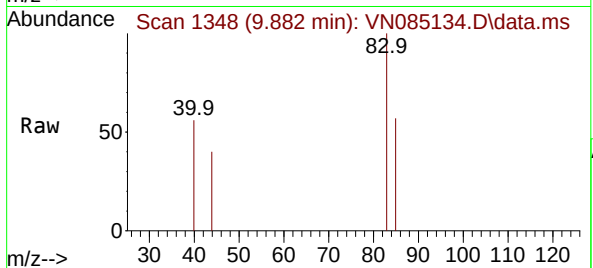
98 0.0 7.3 10.9#



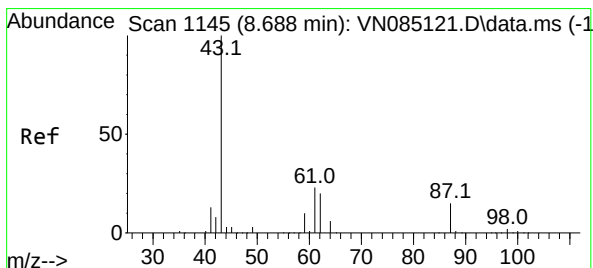
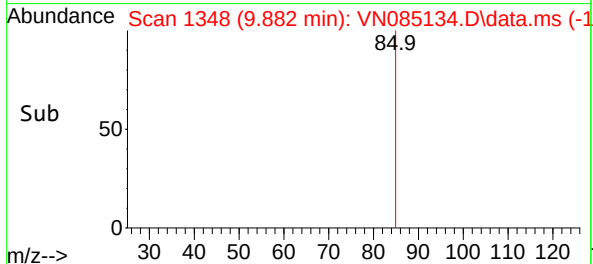
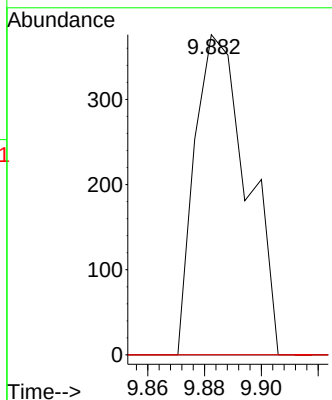


#38
Methylcyclohexane
Concen: 0.214 ug/l
RT: 9.882 min Scan# 1148
Delta R.T. 0.282 min
Lab File: VN085134.D
Acq: 06 Dec 2024 18:03

Instrument :
MSVOA_N
ClientSampleId :

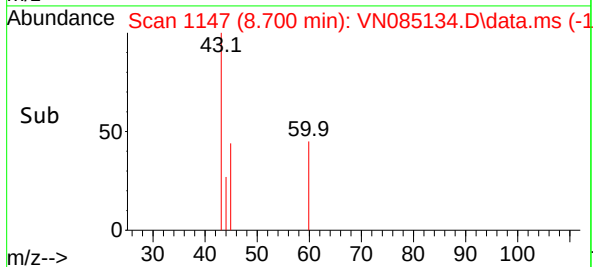
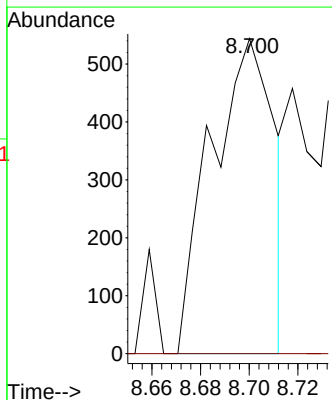
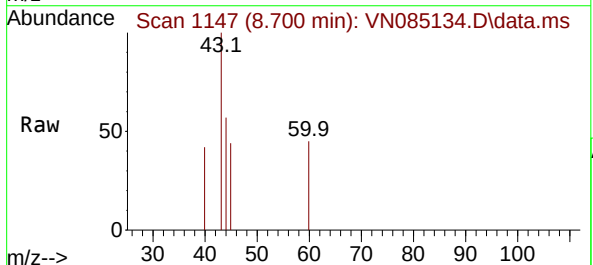


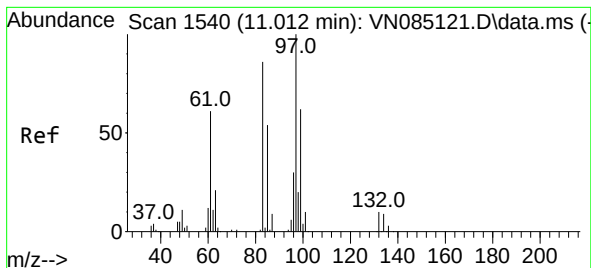
Tgt Ion: 83 Resp: 483
Ion Ratio Lower Upper
83 100
55 0.0 41.4 124.4#
98 0.0 25.7 77.1#



#44
Isopropyl Acetate
Concen: 0.298 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.012 min
Lab File: VN085134.D
Acq: 06 Dec 2024 18:03

Tgt Ion: 43 Resp: 980
Ion Ratio Lower Upper
43 100
61 141.8 21.5 32.3#





#50

1,1,2-Trichloroethane

Concen: 3.476 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.441 min

Lab File: VN085134.D

Acq: 06 Dec 2024 18:03

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 97 Resp: 5295

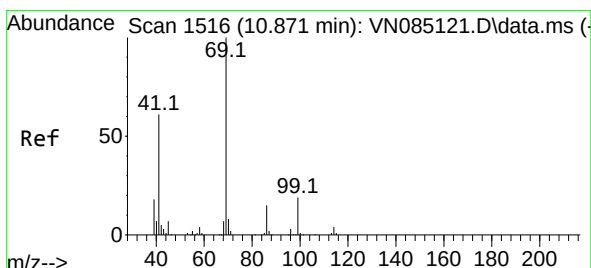
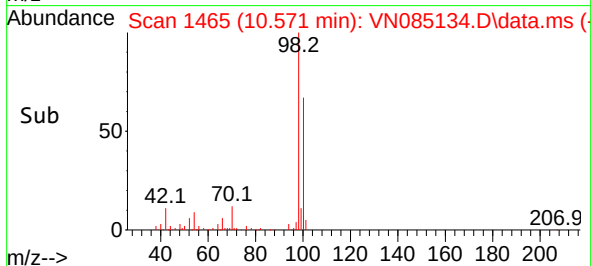
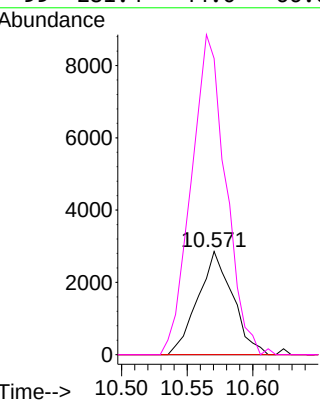
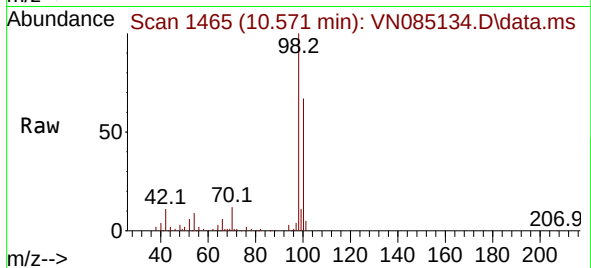
Ion Ratio Lower Upper

97 100

83 0.0 65.8 98.8#

85 0.0 40.8 61.2#

99 281.4 44.0 66.0#



#51

Ethyl methacrylate

Concen: 0.227 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.300 min

Lab File: VN085134.D

Acq: 06 Dec 2024 18:03

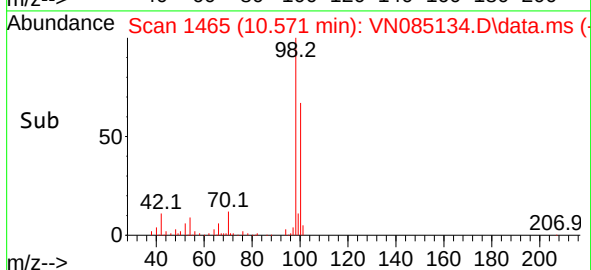
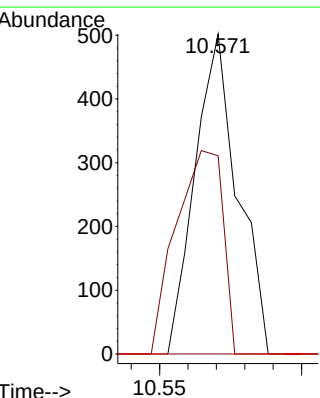
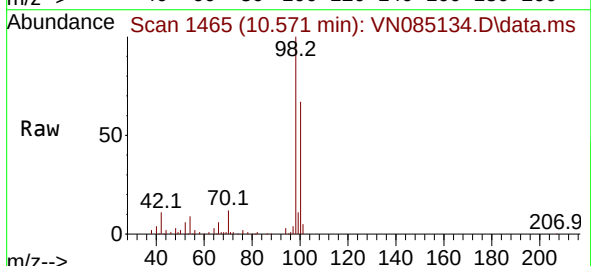
Tgt Ion: 69 Resp: 525

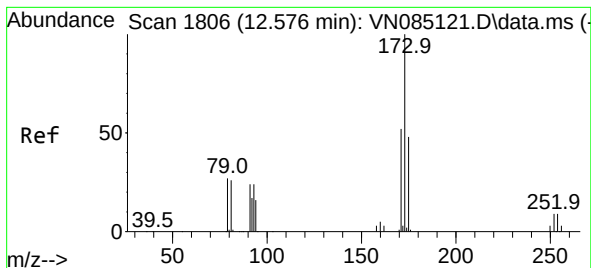
Ion Ratio Lower Upper

69 100

41 62.0 32.1 96.3

39 0.0 18.8 56.4#





#56

Bromoform

Concen: 0.240 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN085134.D

Acq: 06 Dec 2024 18:03

Instrument :

MSVOA_N

ClientSampleId :

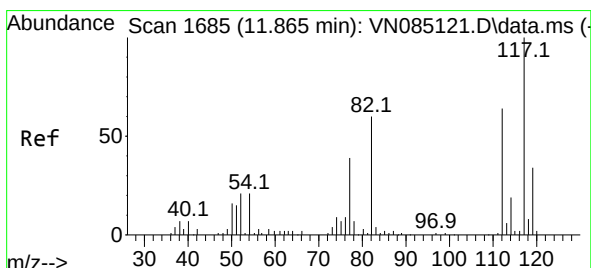
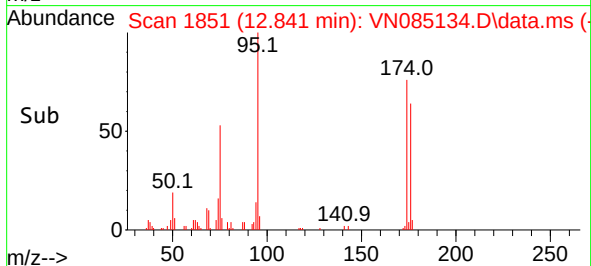
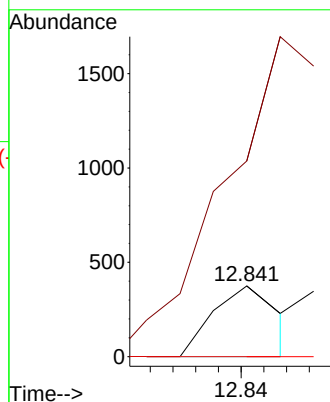
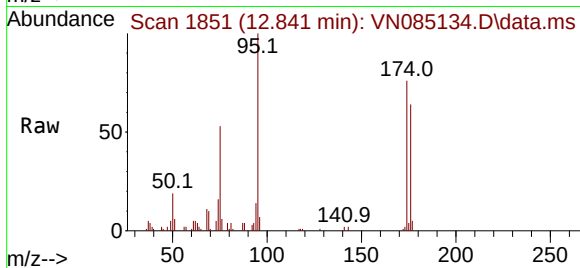
Tgt Ion:173 Resp: 299

Ion Ratio Lower Upper

173 100

175 880.3 40.2 60.2#

254 0.0 6.2 9.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN085134.D

Acq: 06 Dec 2024 18:03

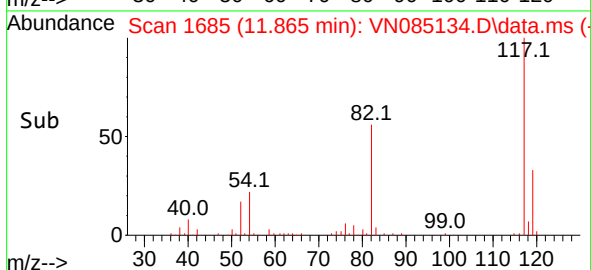
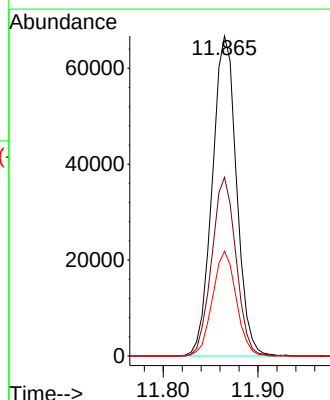
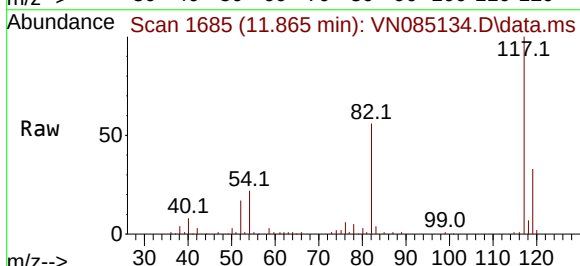
Tgt Ion:117 Resp: 118770

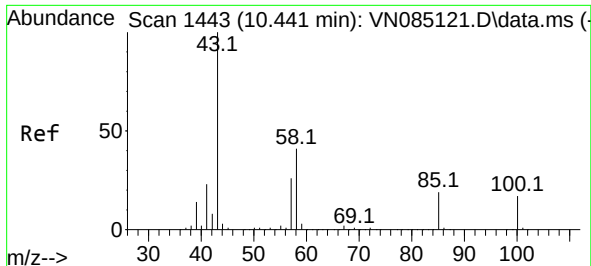
Ion Ratio Lower Upper

117 100

82 55.6 44.2 66.4

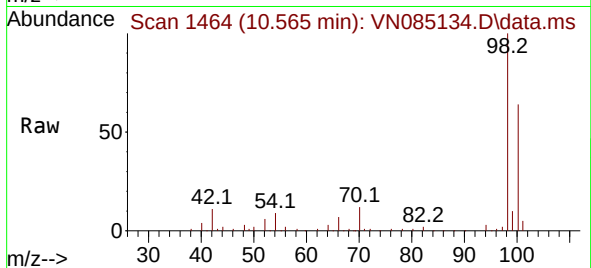
119 32.0 25.4 38.2



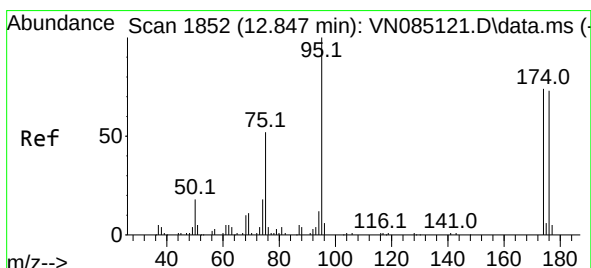
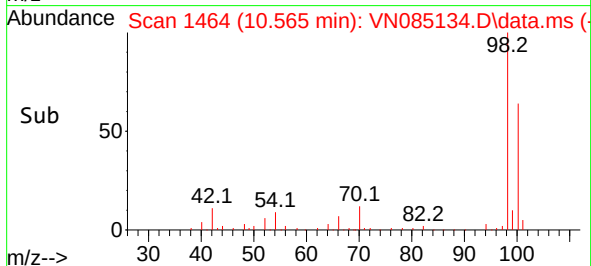
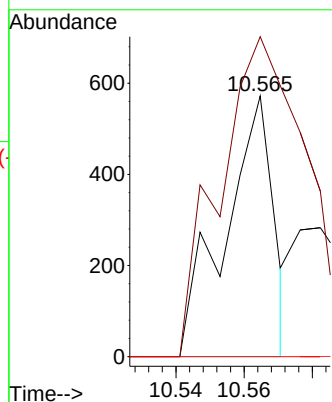


#58
4-Methyl-2-Pentanone
Concen: 0.294 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN085134.D
Acq: 06 Dec 2024 18:03

Instrument :
MSVOA_N
ClientSampleId :

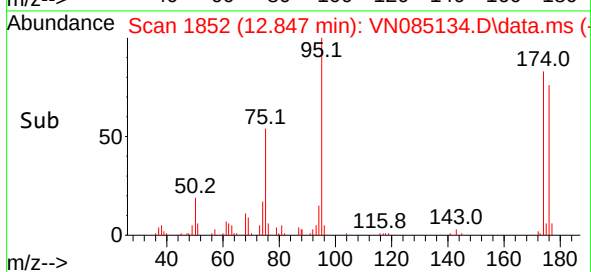
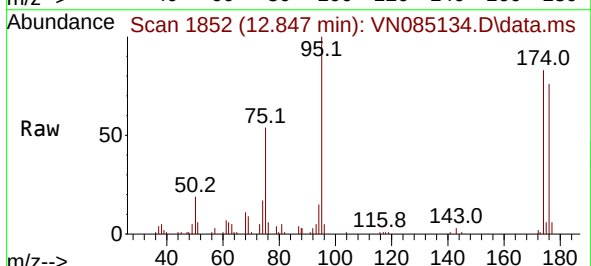
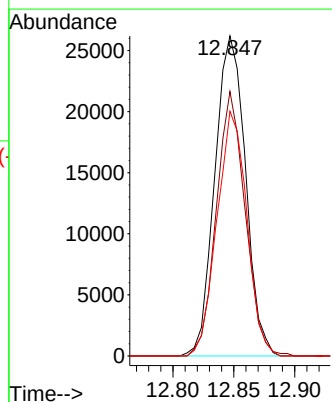


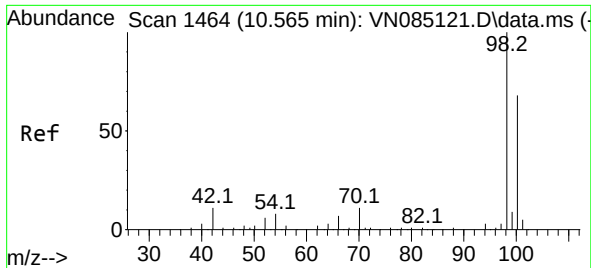
Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
58 212.7 31.6 47.4#
85 0.0 15.0 22.6#



#60
4-Bromofluorobenzene
Concen: 23.358 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085134.D
Acq: 06 Dec 2024 18:03

Tgt Ion: 95 Resp: 45902
Ion Ratio Lower Upper
95 100
174 77.6 60.3 90.5
176 74.3 57.4 86.0

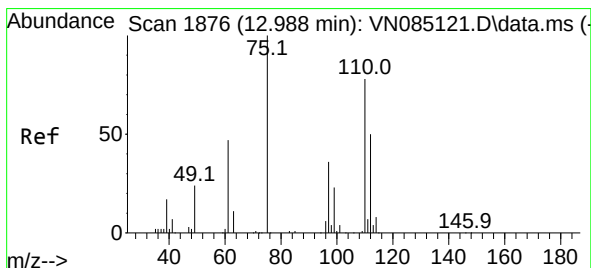
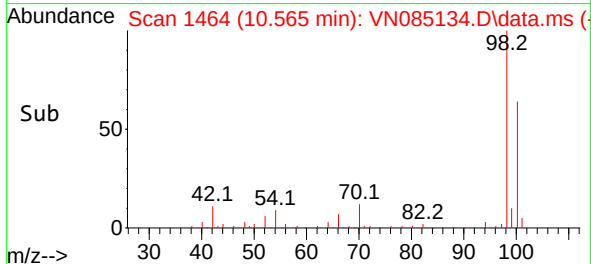
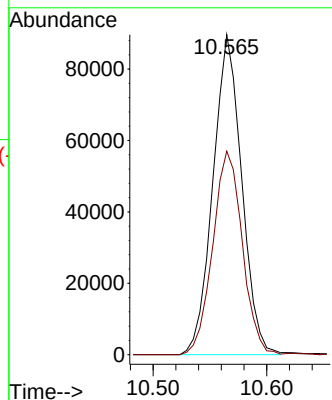
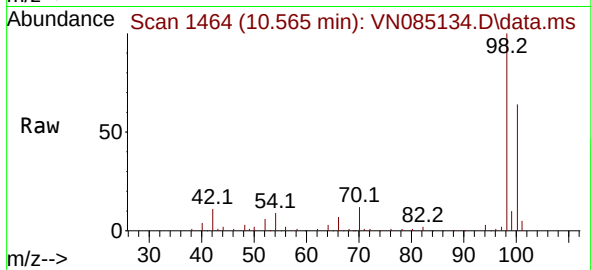




#63
Toluene-d8
Concen: 28.279 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085134.D
Acq: 06 Dec 2024 18:03

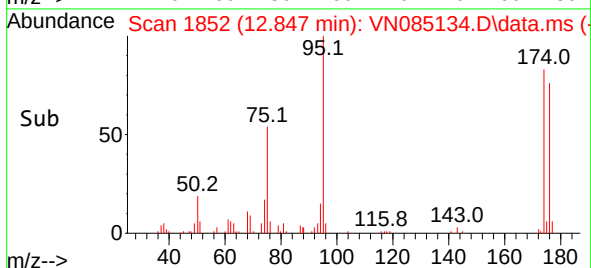
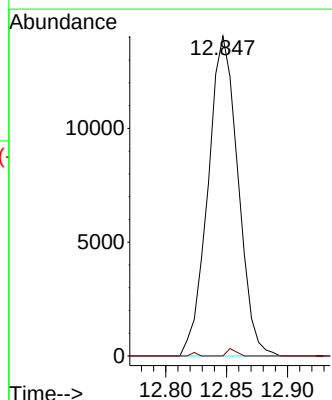
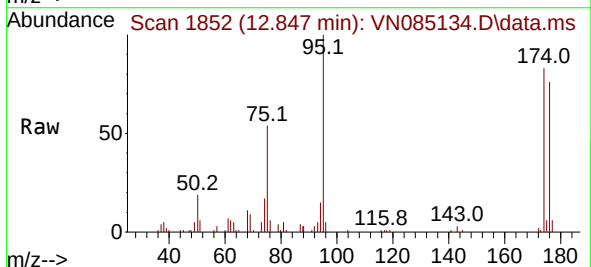
Instrument :
MSVOA_N
ClientSampleId :

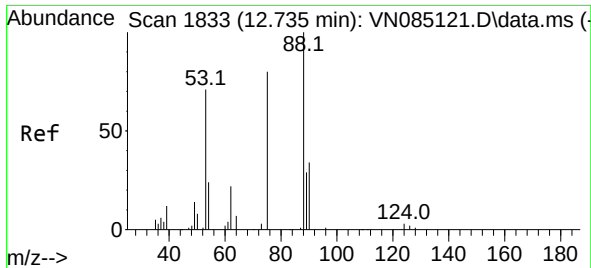
Tgt Ion: 98 Resp: 157552
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#72
1,2,3-Trichloropropane
Concen: 11.716 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085134.D
Acq: 06 Dec 2024 18:03

Tgt Ion: 75 Resp: 24123
Ion Ratio Lower Upper
75 100
77 0.7 0.0 339.0





#77

t-1,4-Dichloro-2-butene

Concen: 32.243 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.112 min

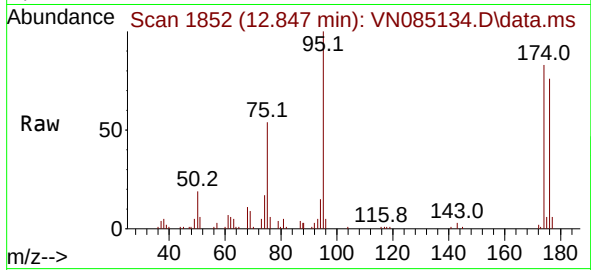
Lab File: VN085134.D

Acq: 06 Dec 2024 18:03

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 24123

Ion Ratio Lower Upper

75 100

53 0.0 49.1 147.3#

89 0.0 22.9 68.5#

