

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085132.D
 Acq On : 06 Dec 2024 17:15
 Operator : JC\MD
 Sample : P5068-02 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 23:11:07 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)

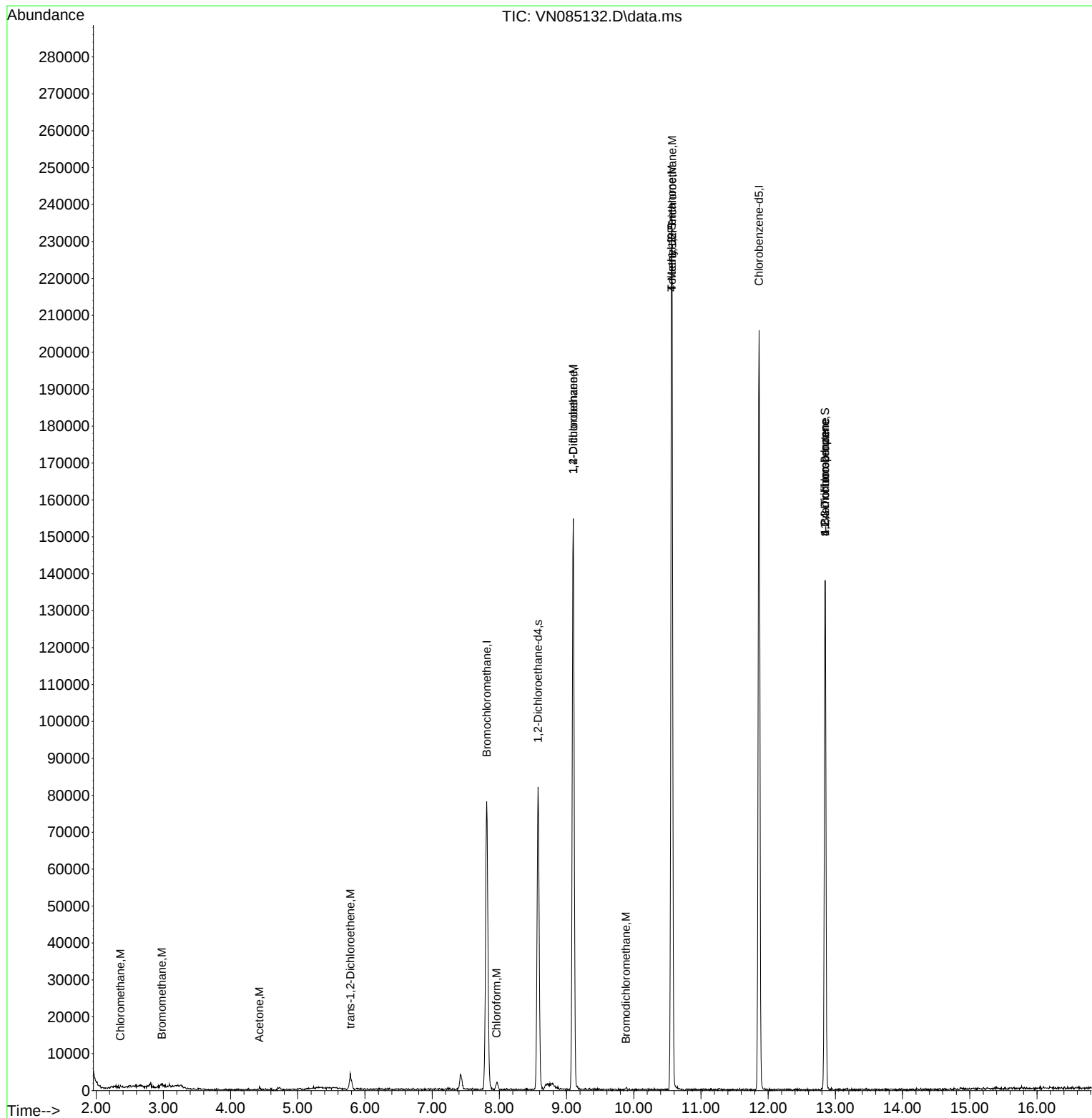
Internal Standards						
1) Bromochloromethane	7.812	128	28577	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	131902	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	120856	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	67283	29.673	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.900%
60) 4-Bromofluorobenzene	12.847	95	48276	24.142	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.467%
63) Toluene-d8	10.565	98	162898	28.734	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.767%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	455	0.225	ug/l #	70
5) Bromomethane	2.977	94	610	0.464	ug/l #	11
15) Acetone	4.430	58	122	0.528	ug/l #	1
19) trans-1,2-Dichloroethene	5.783	96	2355	1.302	ug/l #	80
25) Chloroform	7.959	83	2337	0.661	ug/l #	83
36) 1,2-Dichloroethane	9.100	62	5065	2.225	ug/l #	75
41) Bromodichloromethane	9.882	83	503	0.203	ug/l #	79
50) 1,1,2-Trichloroethane	10.571	97	5803	3.707	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	650	0.330	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	25474	12.159	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	25474	33.461	ug/l #	10

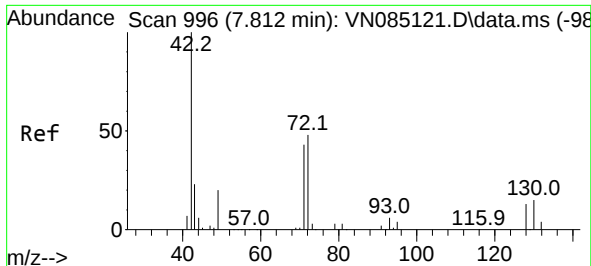
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 06 23:11:07 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

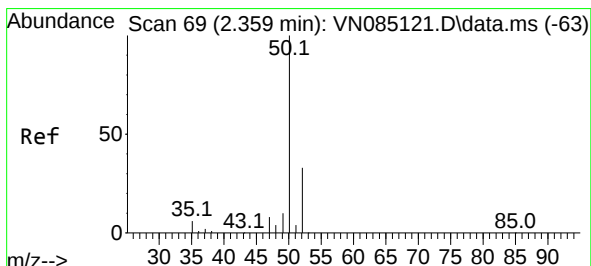
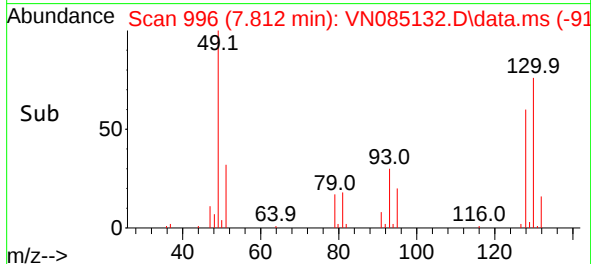
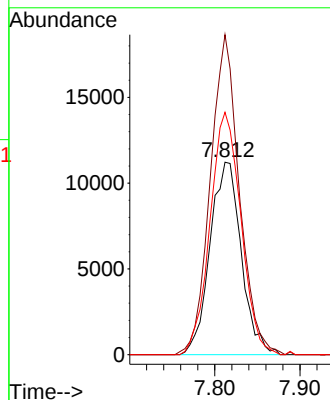
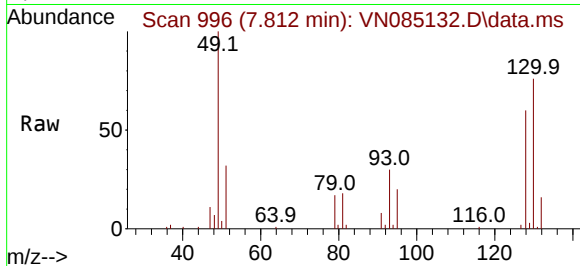




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN085132.D
Acq: 06 Dec 2024 17:15

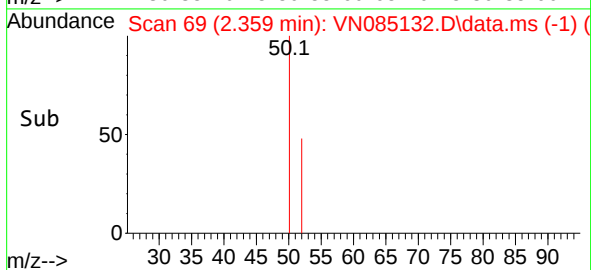
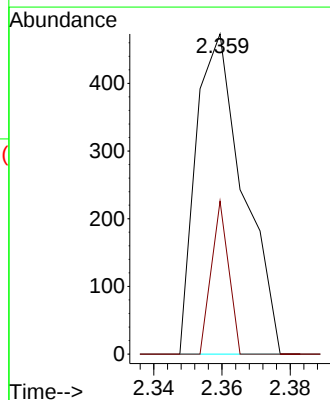
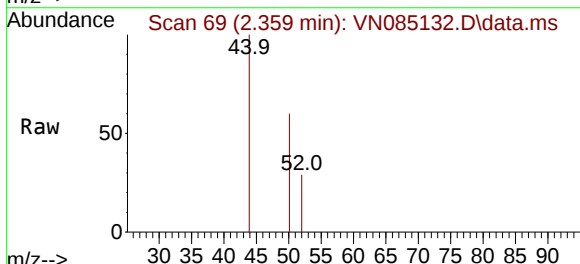
Instrument :
MSVOA_N
ClientSampleId :

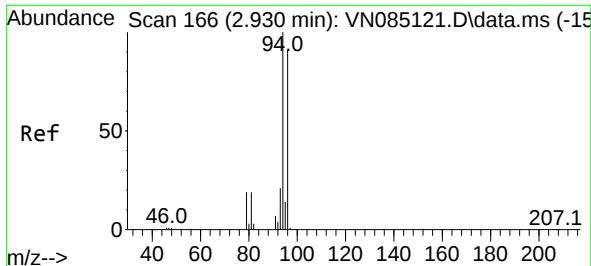
Tgt Ion:128 Resp: 28577
Ion Ratio Lower Upper
128 100
49 154.7 0.0 394.5
130 124.8 0.0 316.5



#3
Chloromethane
Concen: 0.225 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085132.D
Acq: 06 Dec 2024 17:15

Tgt Ion: 50 Resp: 455
Ion Ratio Lower Upper
50 100
52 47.8 25.0 37.4#

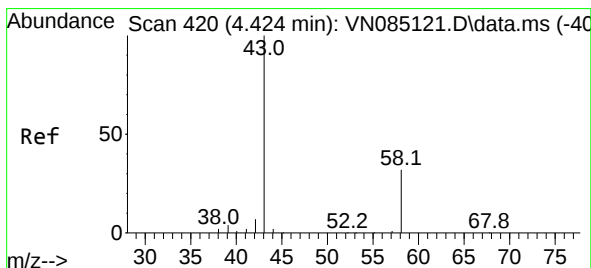
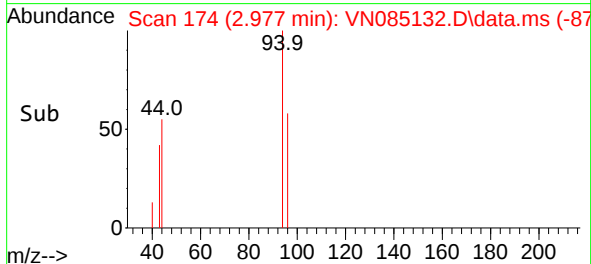
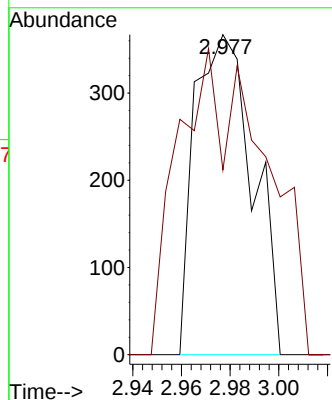
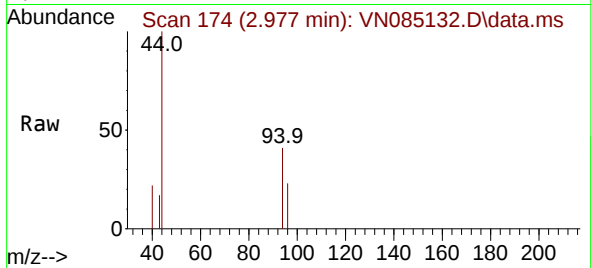




#5
Bromomethane
Concen: 0.464 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085132.D
Acq: 06 Dec 2024 17:15

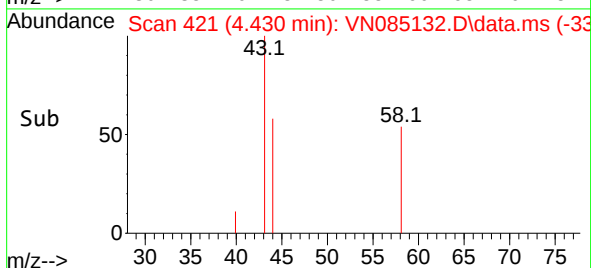
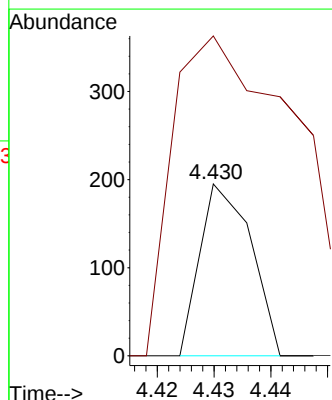
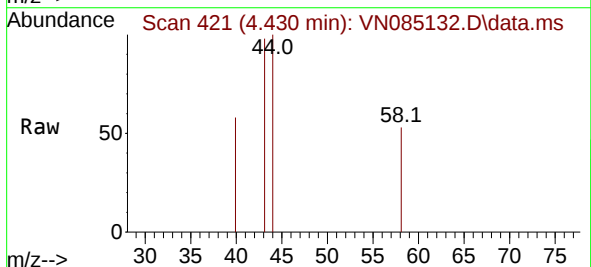
Instrument :
MSVOA_N
ClientSampleId :

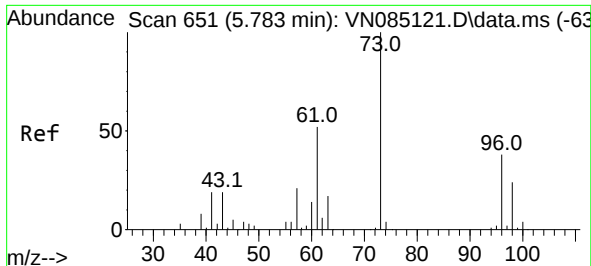
Tgt Ion: 94 Resp: 610
Ion Ratio Lower Upper
94 100
96 8.4 76.2 114.4#



#15
Acetone
Concen: 0.528 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085132.D
Acq: 06 Dec 2024 17:15

Tgt Ion: 58 Resp: 122
Ion Ratio Lower Upper
58 100
43 35.4 242.3 363.5#





#19

trans-1,2-Dichloroethene

Concen: 1.302 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

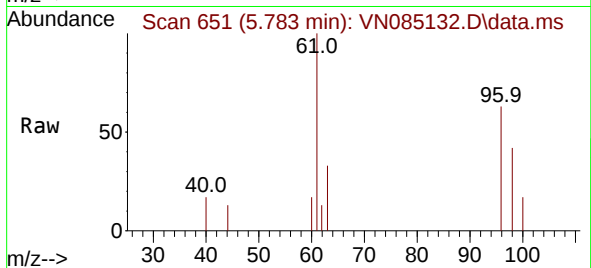
Lab File: VN085132.D

Acq: 06 Dec 2024 17:15

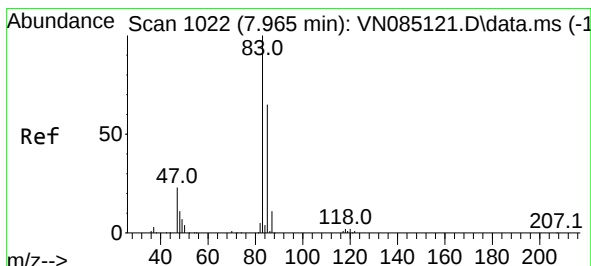
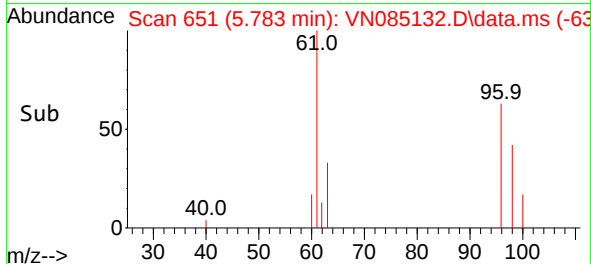
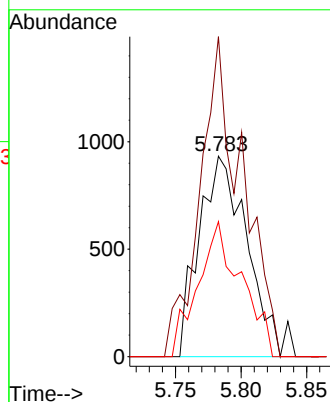
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	96	Resp:	2355
Ion	Ratio	Lower	Upper
96	100		
61	159.6	100.4	150.6#
98	67.3	52.6	79.0



#25

Chloroform

Concen: 0.661 ug/l

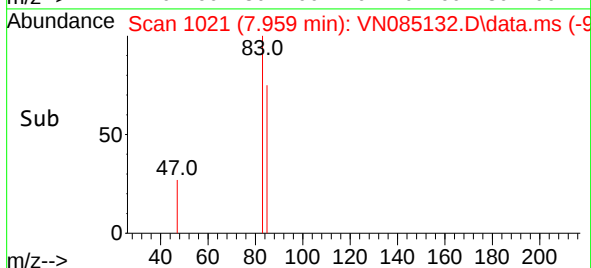
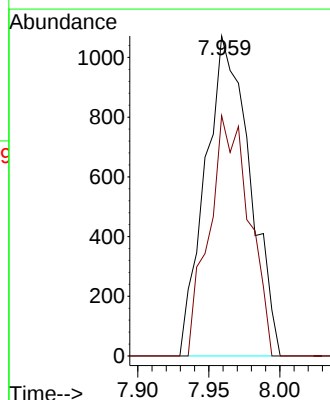
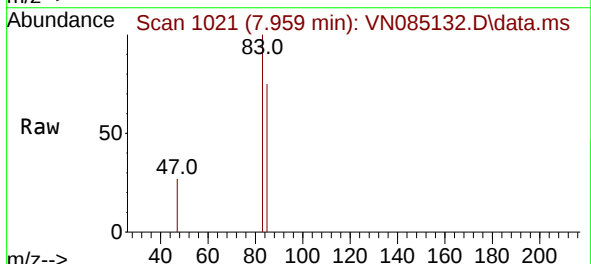
RT: 7.959 min Scan# 1021

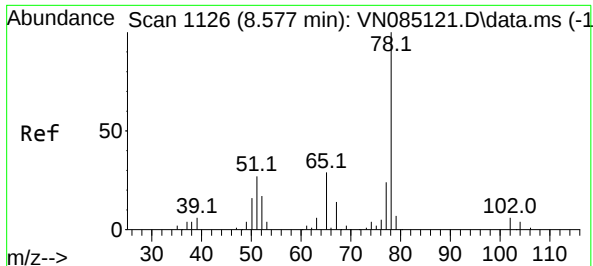
Delta R.T. 0.000 min

Lab File: VN085132.D

Acq: 06 Dec 2024 17:15

Tgt Ion:	83	Resp:	2337
Ion	Ratio	Lower	Upper
83	100		
85	75.1	49.4	74.0#

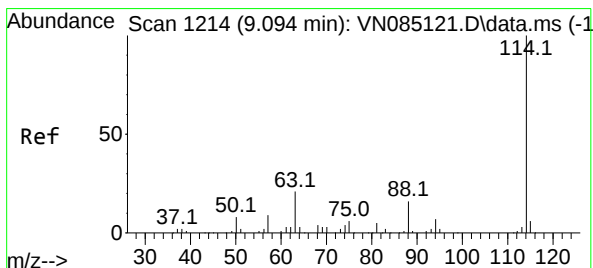
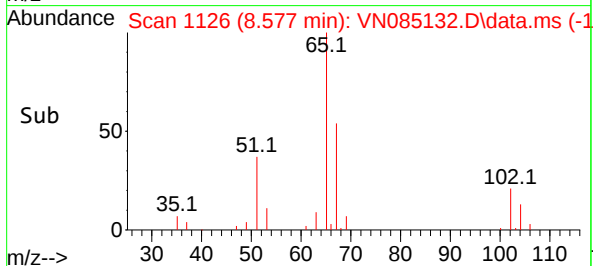
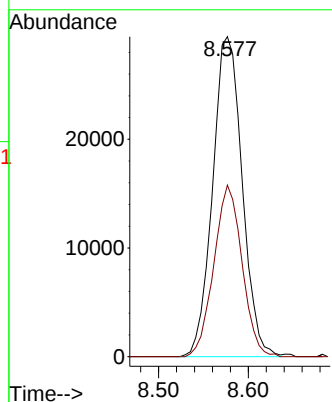
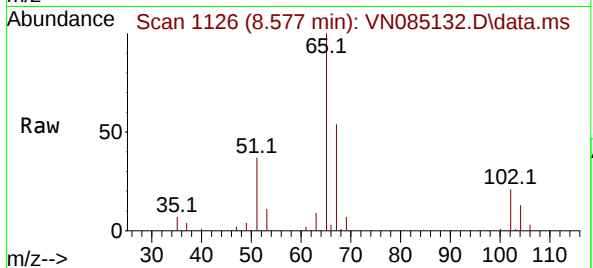




#27
 1,2-Dichloroethane-d4
 Concen: 29.673 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN085132.D
 Acq: 06 Dec 2024 17:15

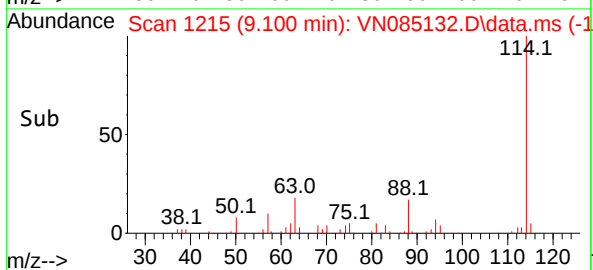
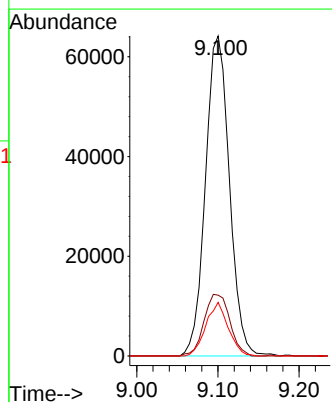
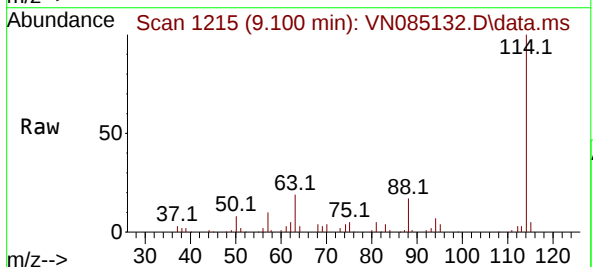
Instrument :
 MSVOA_N
 ClientSampleId :

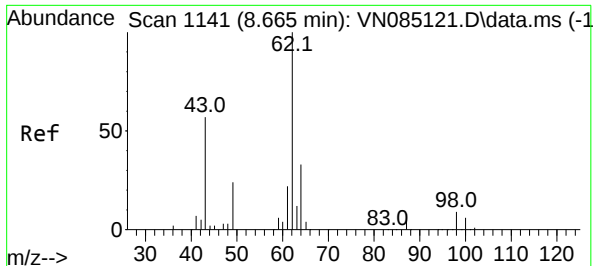
Tgt Ion: 65 Resp: 67283
 Ion Ratio Lower Upper
 65 100
 67 51.1 39.9 59.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN085132.D
 Acq: 06 Dec 2024 17:15

Tgt Ion: 114 Resp: 131902
 Ion Ratio Lower Upper
 114 100
 63 20.6 16.2 24.2
 88 15.6 12.5 18.7





#36

1,2-Dichloroethane

Concen: 2.225 ug/l

RT: 9.100 min Scan# 1141

Delta R.T. 0.435 min

Lab File: VN085132.D

Acq: 06 Dec 2024 17:15

Instrument :

MSVOA_N

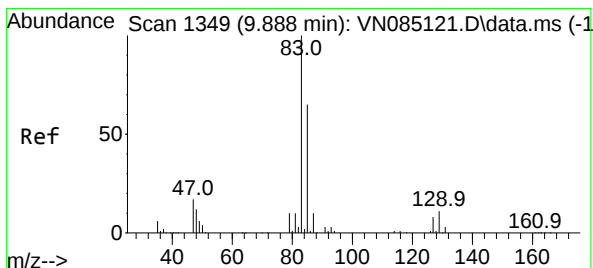
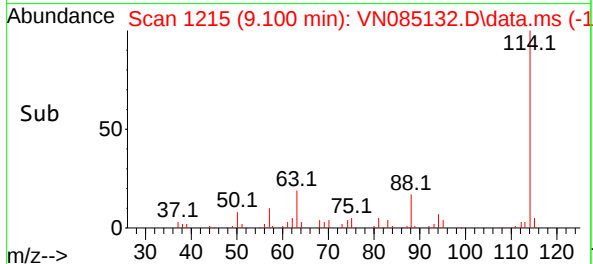
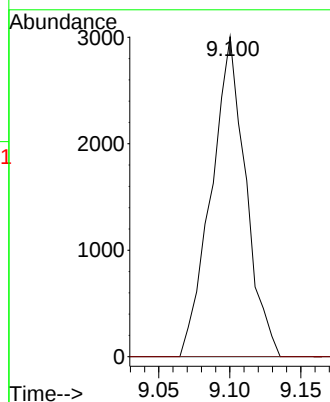
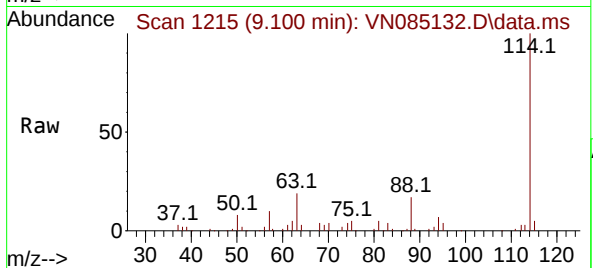
ClientSampleId :

Tgt Ion: 62 Resp: 5065

Ion Ratio Lower Upper

62 100

98 0.0 7.3 10.9#



#41

Bromodichloromethane

Concen: 0.203 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VN085132.D

Acq: 06 Dec 2024 17:15

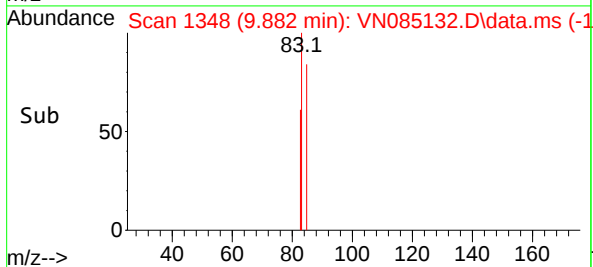
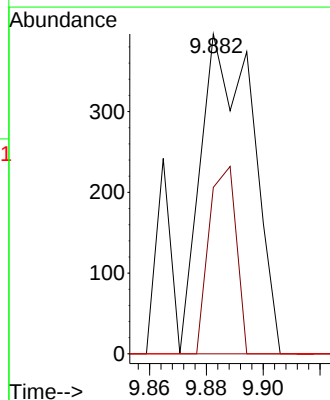
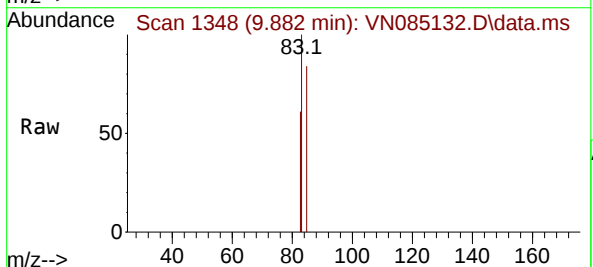
Tgt Ion: 83 Resp: 503

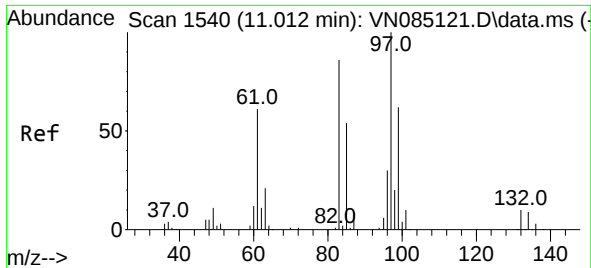
Ion Ratio Lower Upper

83 100

85 52.0 54.6 81.8#

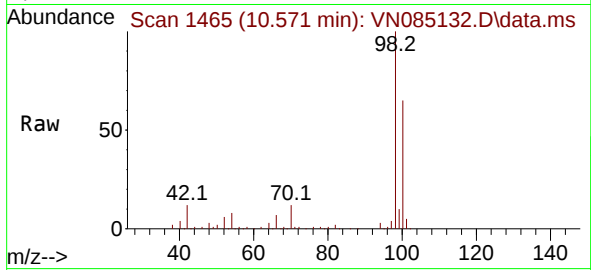
127 0.0 7.0 10.6#



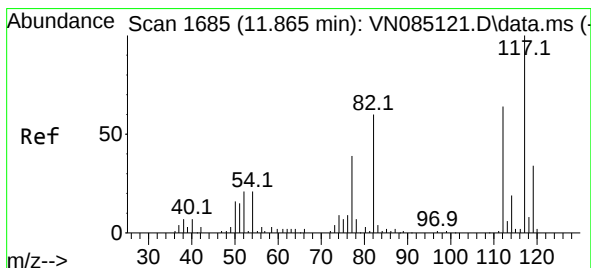
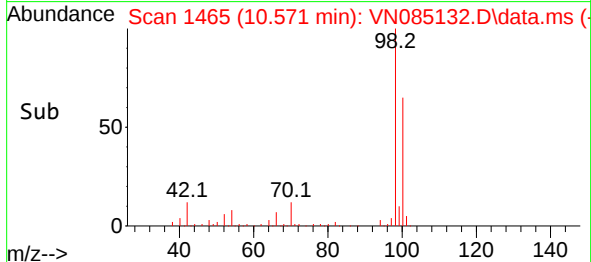
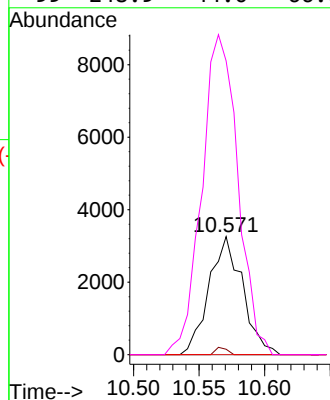


#50
1,1,2-Trichloroethane
Concen: 3.707 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.441 min
Lab File: VN085132.D
Acq: 06 Dec 2024 17:15

Instrument :
MSVOA_N
ClientSampleId :

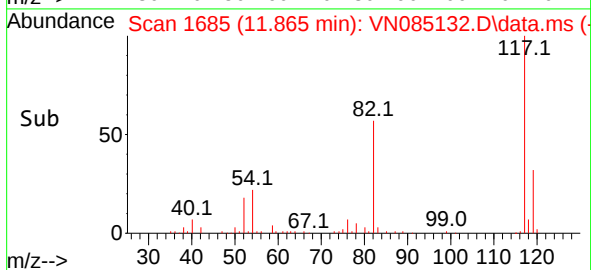
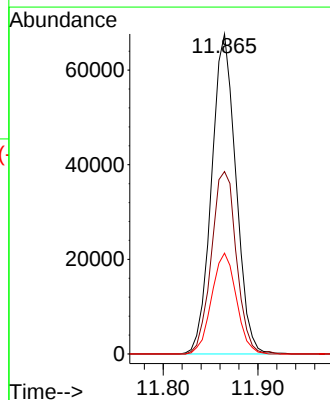
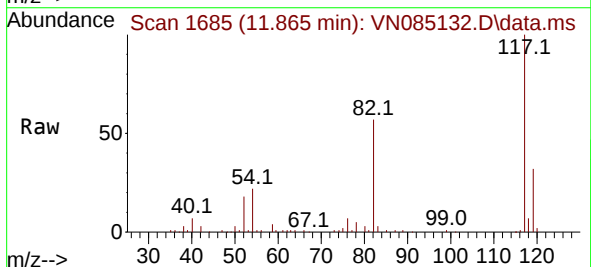


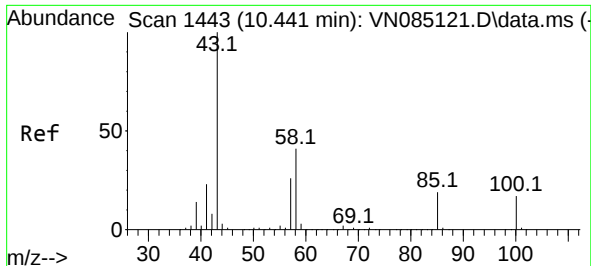
Tgt Ion	Ratio	Lower	Upper
97	100		
83	4.7	65.8	98.8#
85	0.0	40.8	61.2#
99	248.9	44.0	66.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085132.D
Acq: 06 Dec 2024 17:15

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.5	44.2	66.4
119	32.0	25.4	38.2





#58

4-Methyl-2-Pentanone

Concen: 0.330 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.124 min

Lab File: VN085132.D

Acq: 06 Dec 2024 17:15

Instrument :

MSVOA_N

ClientSampleId :

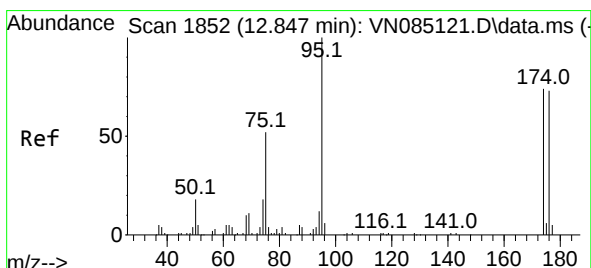
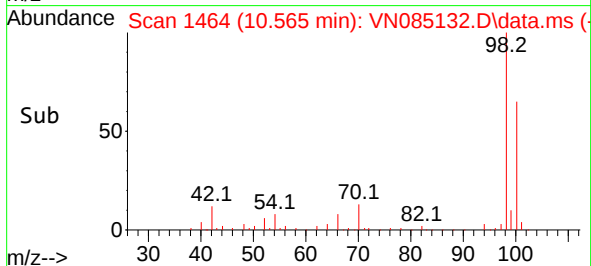
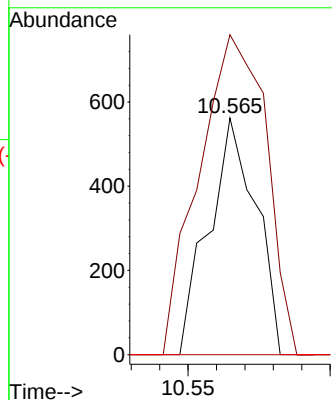
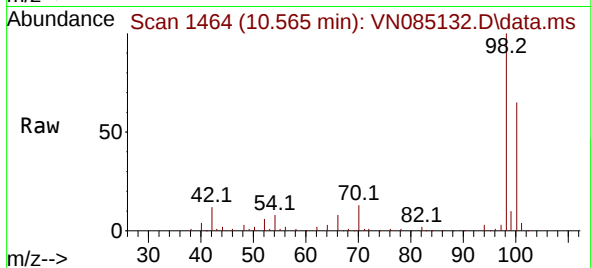
Tgt Ion: 43 Resp: 650

Ion Ratio Lower Upper

43 100

58 192.3 31.6 47.4#

85 0.0 15.0 22.6#



#60

4-Bromofluorobenzene

Concen: 24.142 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN085132.D

Acq: 06 Dec 2024 17:15

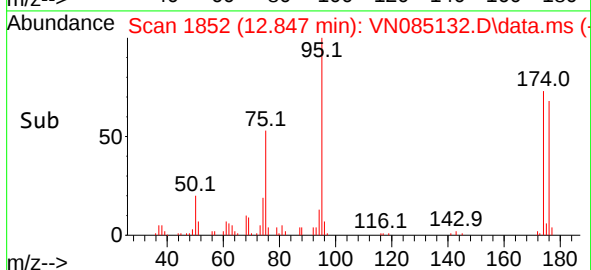
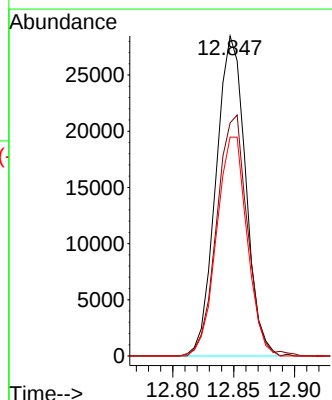
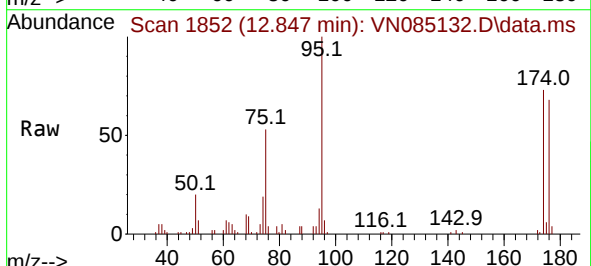
Tgt Ion: 95 Resp: 48276

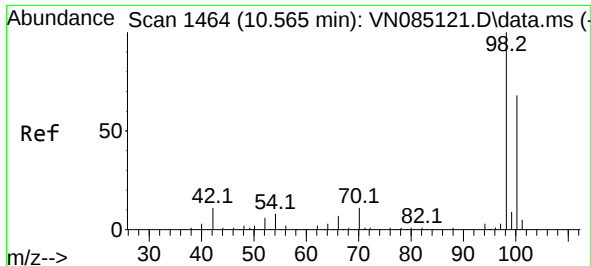
Ion Ratio Lower Upper

95 100

174 77.1 60.3 90.5

176 70.6 57.4 86.0

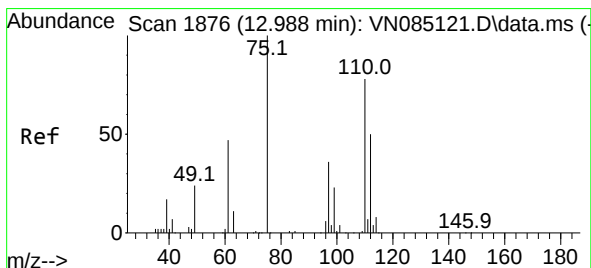
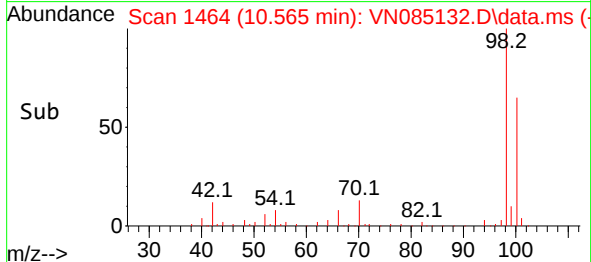
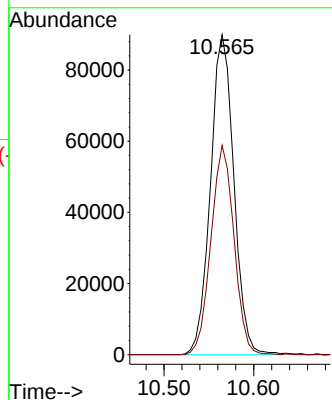
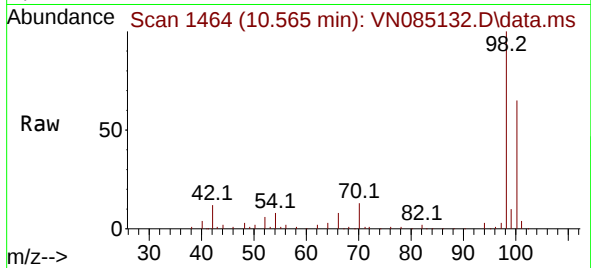




#63
Toluene-d8
Concen: 28.734 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085132.D
Acq: 06 Dec 2024 17:15

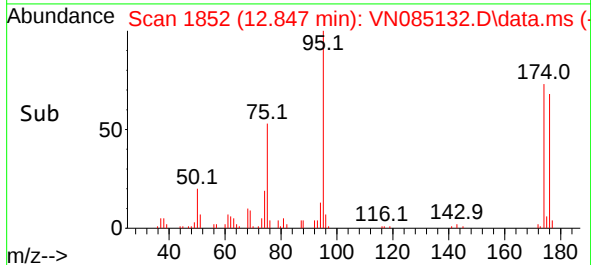
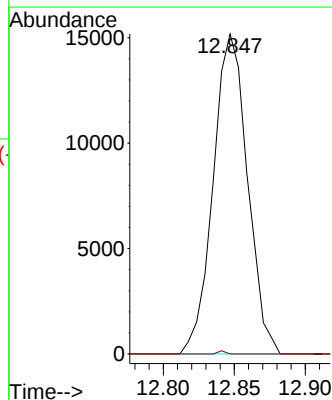
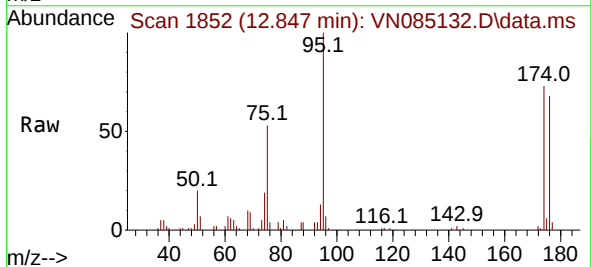
Instrument :
MSVOA_N
ClientSampleId :

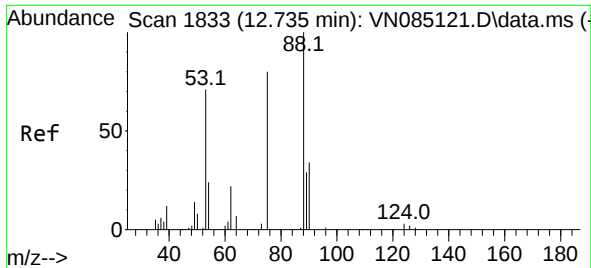
Tgt Ion: 98 Resp: 162898
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#72
1,2,3-Trichloropropane
Concen: 12.159 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085132.D
Acq: 06 Dec 2024 17:15

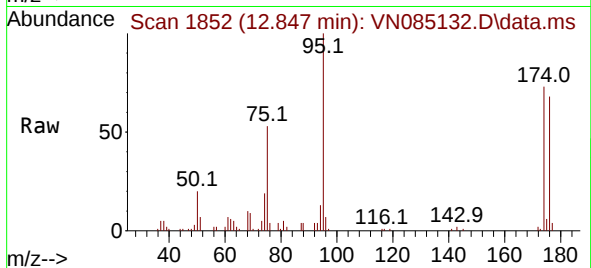
Tgt Ion: 75 Resp: 25474
Ion Ratio Lower Upper
75 100
77 0.0 0.0 339.0





#77
t-1,4-Dichloro-2-butene
Concen: 33.461 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085132.D
Acq: 06 Dec 2024 17:15

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 25474
Ion Ratio Lower Upper
75 100
53 0.0 49.1 147.3#
89 0.0 22.9 68.5#

