

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085131.D
 Acq On : 06 Dec 2024 16:51
 Operator : JC\MD
 Sample : P5068-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Dec 06 23:10:43 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)

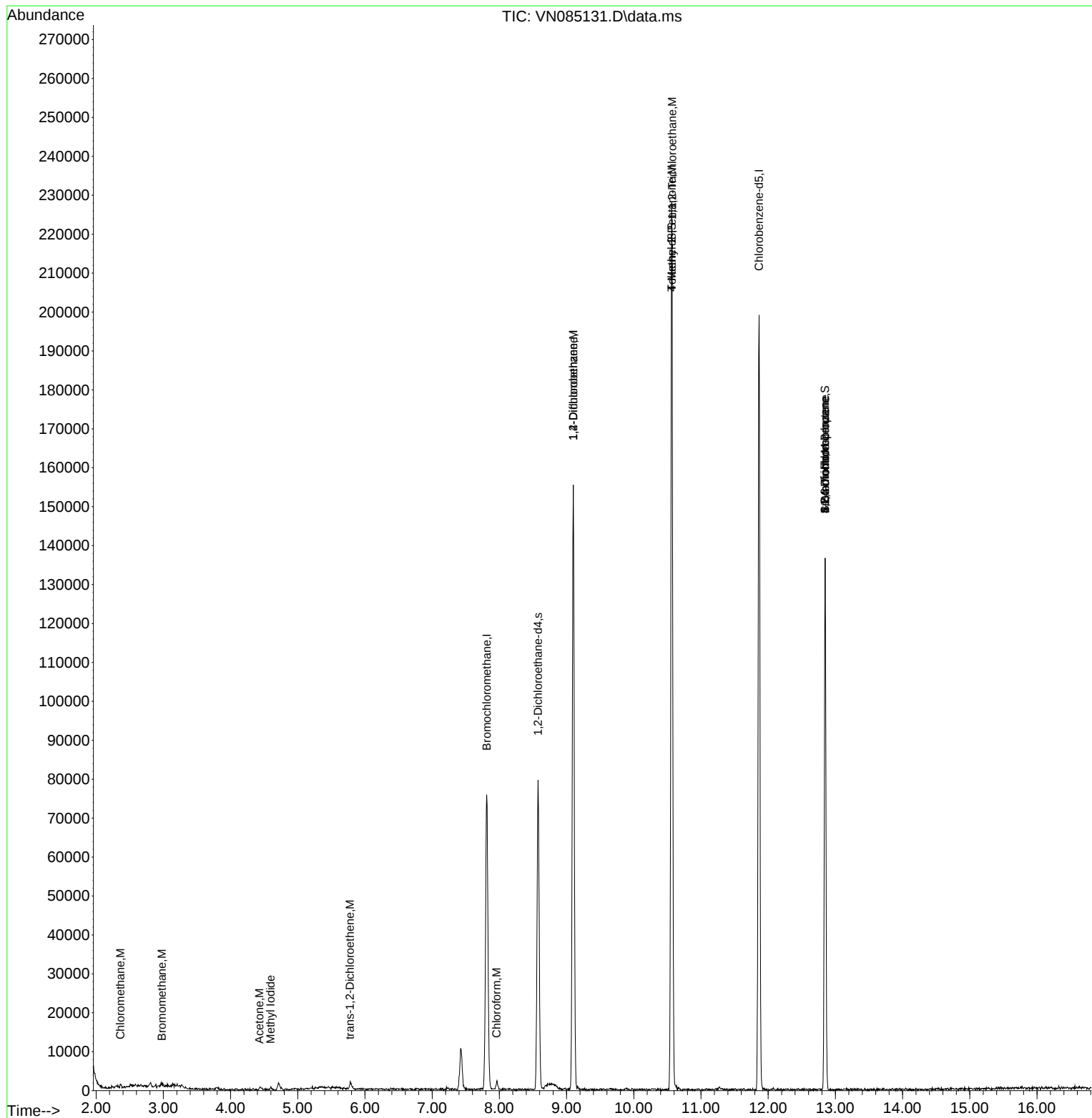
Internal Standards						
1) Bromochloromethane	7.812	128	27564	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	130244	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	118708	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	65201	29.811	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.367%
60) 4-Bromofluorobenzene	12.847	95	47214	24.038	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.133%
63) Toluene-d8	10.565	98	160763	28.871	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.233%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	483	0.247	ug/l #	65
5) Bromomethane	2.977	94	582	0.459	ug/l #	8
11) Methyl Iodide	4.595	142	551	0.237	ug/l #	39
15) Acetone	4.430	58	196	0.880	ug/l #	1
19) trans-1,2-Dichloroethene	5.777	96	800	0.459	ug/l #	14
25) Chloroform	7.959	83	2224	0.652	ug/l #	71
36) 1,2-Dichloroethane	9.100	62	5171	2.301	ug/l #	75
50) 1,1,2-Trichloroethane	10.571	97	5423	3.508	ug/l #	1
56) Bromoform	12.847	173	268	0.212	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	715	0.369	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	24829	12.066	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	24829	33.204	ug/l #	10

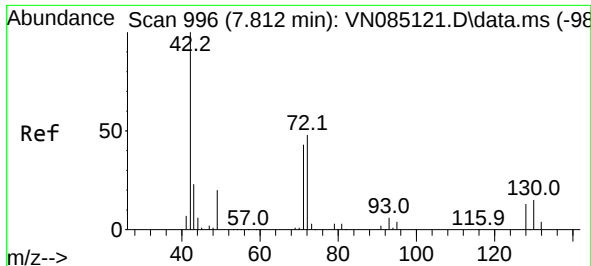
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085131.D
Acq On : 06 Dec 2024 16:51
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Sample : P5068-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
14B-1

Quant Time: Dec 06 23:10:43 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

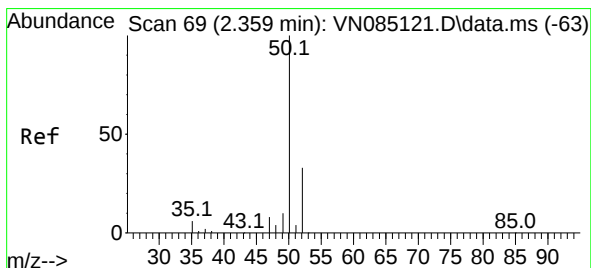
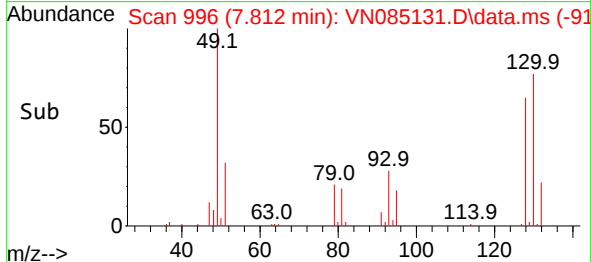
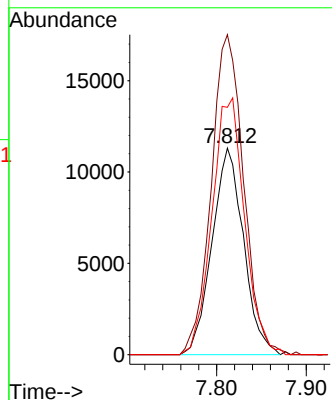
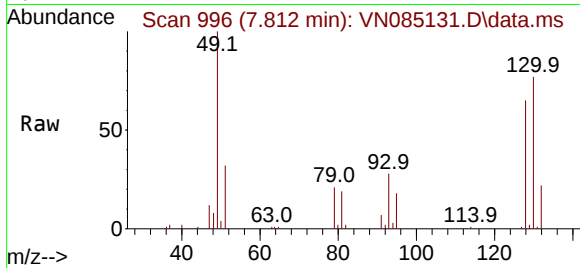




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN085131.D
Acq: 06 Dec 2024 16:51

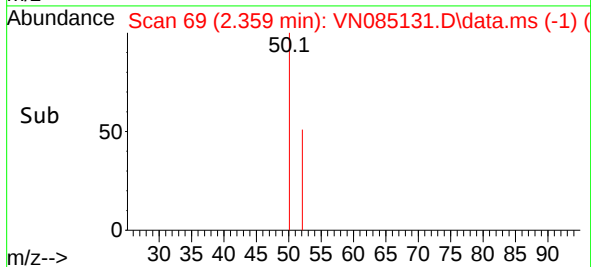
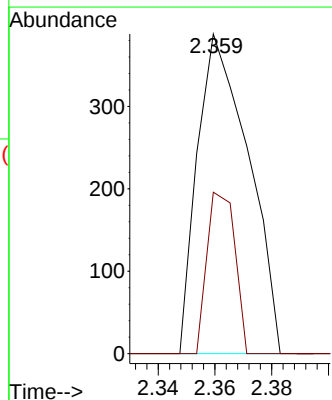
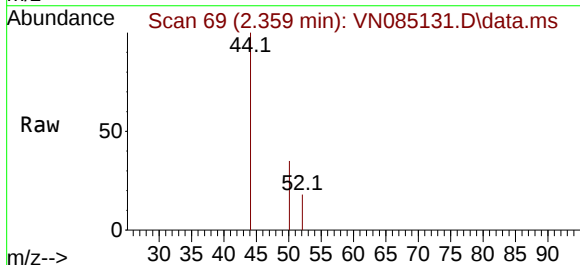
Instrument :
MSVOA_N
ClientSampleId :
14B-1

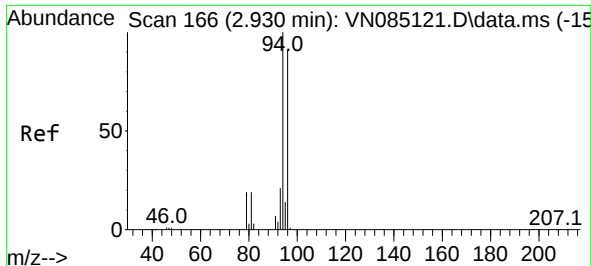
Tgt Ion:128 Resp: 27564
Ion Ratio Lower Upper
128 100
49 159.2 0.0 394.5
130 129.0 0.0 316.5



#3
Chloromethane
Concen: 0.247 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085131.D
Acq: 06 Dec 2024 16:51

Tgt Ion: 50 Resp: 483
Ion Ratio Lower Upper
50 100
52 50.5 25.0 37.4#

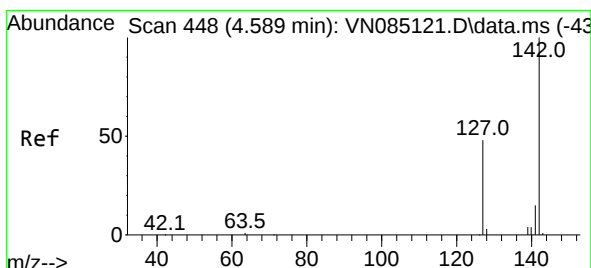
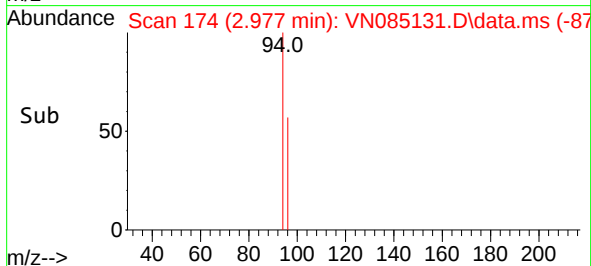
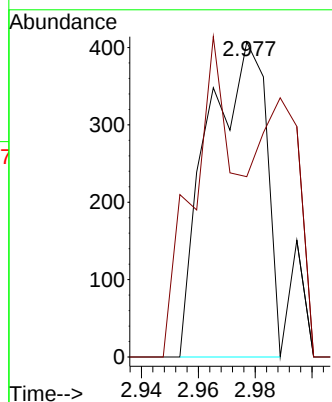
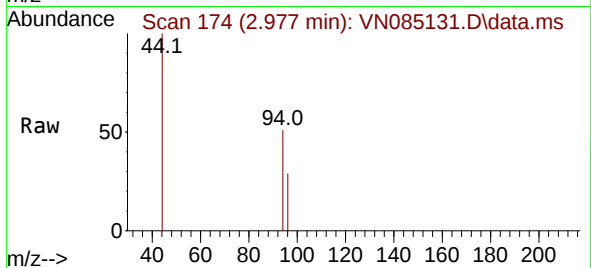




#5
Bromomethane
Concen: 0.459 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085131.D
Acq: 06 Dec 2024 16:51

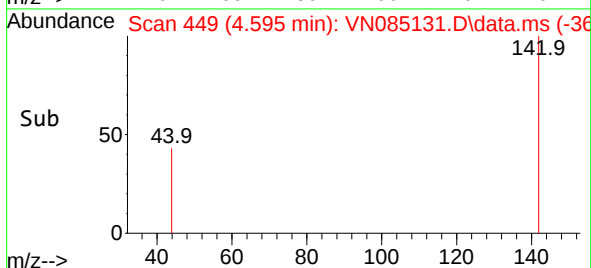
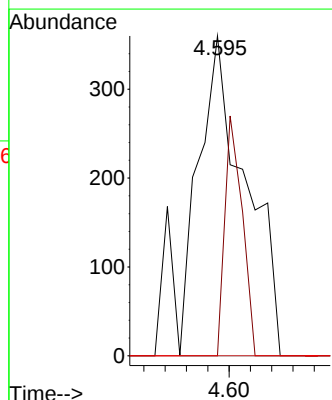
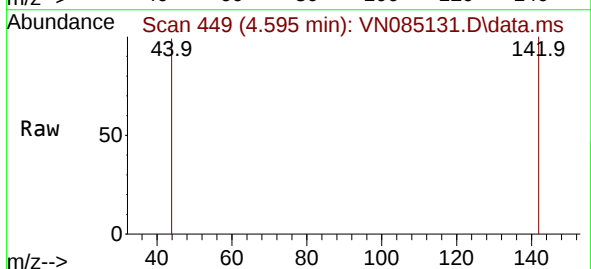
Instrument :
MSVOA_N
ClientSampleId :
14B-1

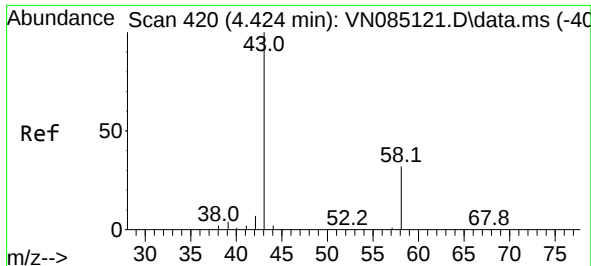
Tgt Ion: 94 Resp: 582
Ion Ratio Lower Upper
94 100
96 5.7 76.2 114.4#



#11
Methyl Iodide
Concen: 0.237 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN085131.D
Acq: 06 Dec 2024 16:51

Tgt Ion: 142 Resp: 551
Ion Ratio Lower Upper
142 100
127 0.0 22.5 67.5#
141 0.0 8.3 24.9#





#15

Acetone

Concen: 0.880 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN085131.D

Acq: 06 Dec 2024 16:51

Instrument :

MSVOA_N

ClientSampleId :

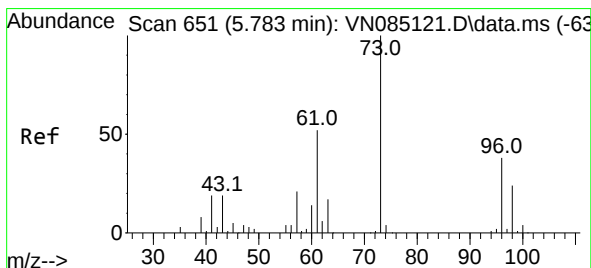
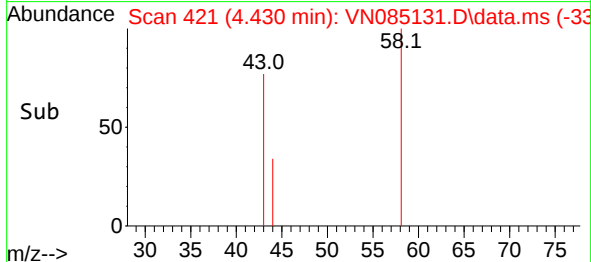
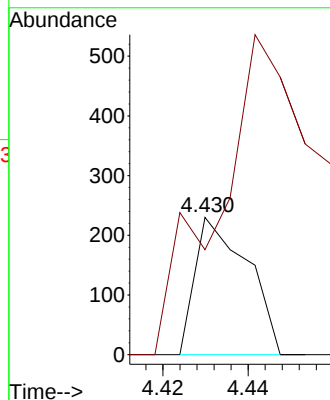
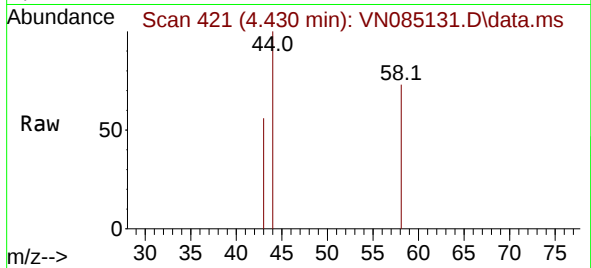
14B-1

Tgt Ion: 58 Resp: 196

Ion Ratio Lower Upper

58 100

43 0.0 242.3 363.5#



#19

trans-1,2-Dichloroethene

Concen: 0.459 ug/l

RT: 5.777 min Scan# 650

Delta R.T. -0.006 min

Lab File: VN085131.D

Acq: 06 Dec 2024 16:51

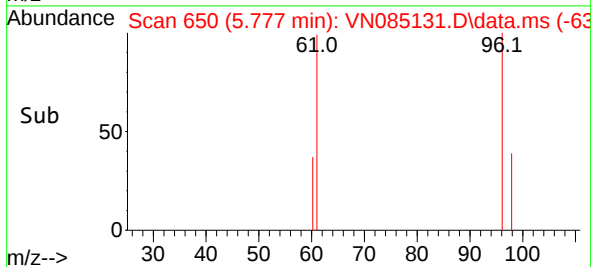
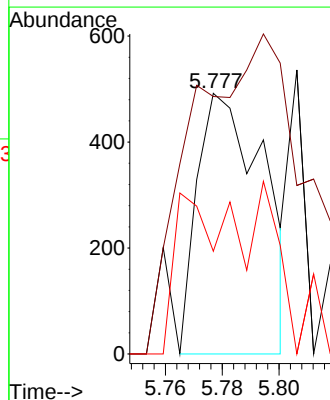
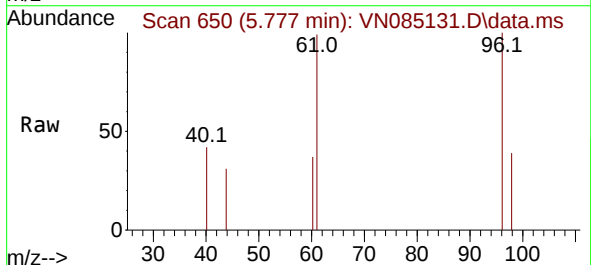
Tgt Ion: 96 Resp: 800

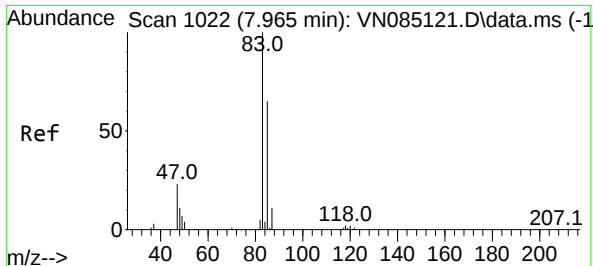
Ion Ratio Lower Upper

96 100

61 25.8 100.4 150.6#

98 0.0 52.6 79.0#





#25

Chloroform

Concen: 0.652 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VN085131.D

Acq: 06 Dec 2024 16:51

Instrument :

MSVOA_N

ClientSampleId :

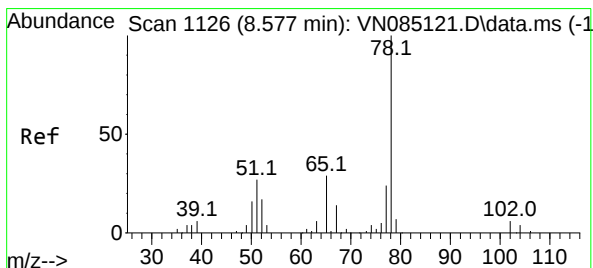
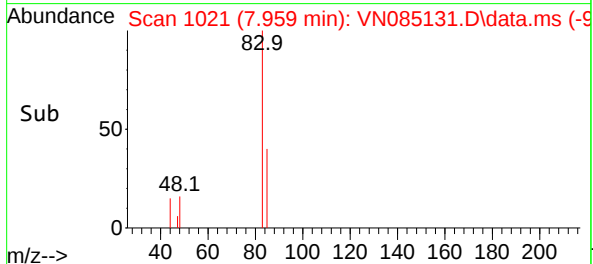
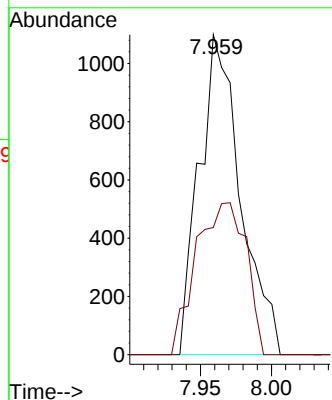
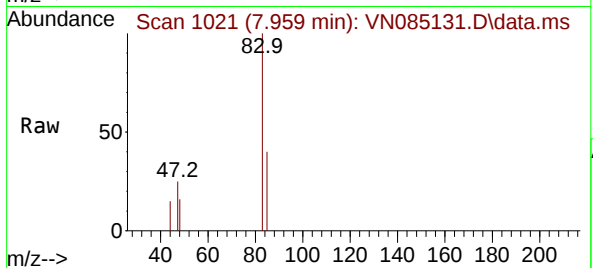
14B-1

Tgt Ion: 83 Resp: 2224

Ion Ratio Lower Upper

83 100

85 39.8 49.4 74.0#



#27

1,2-Dichloroethane-d4

Concen: 29.811 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN085131.D

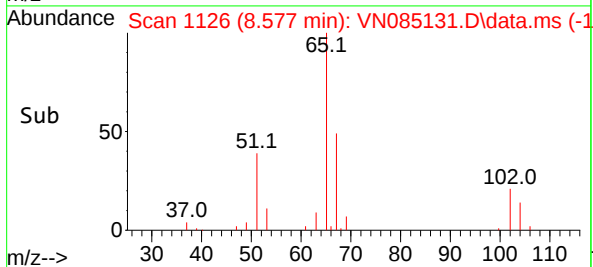
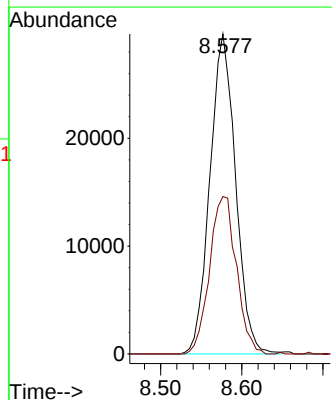
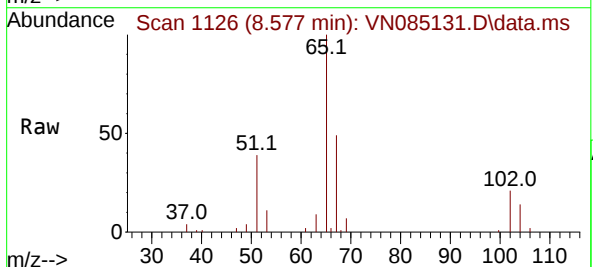
Acq: 06 Dec 2024 16:51

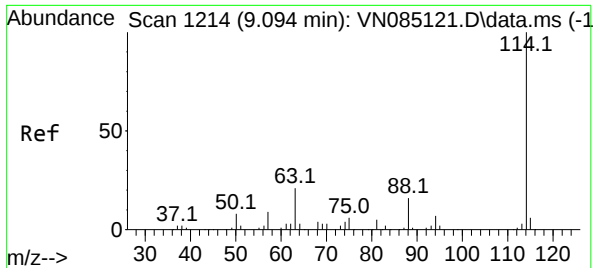
Tgt Ion: 65 Resp: 65201

Ion Ratio Lower Upper

65 100

67 51.4 39.9 59.9

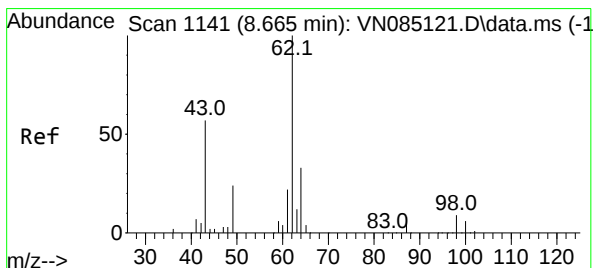
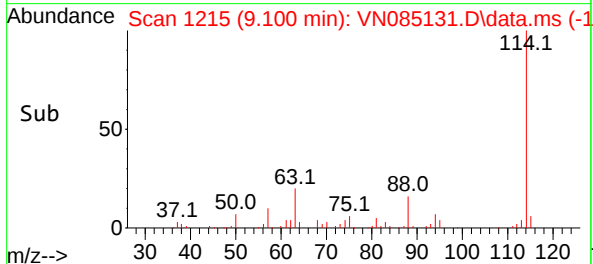
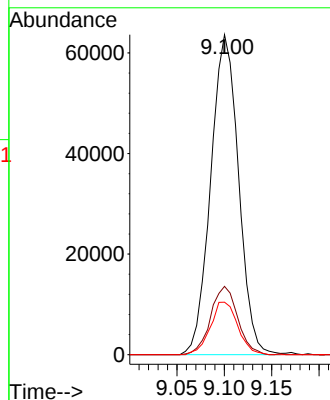
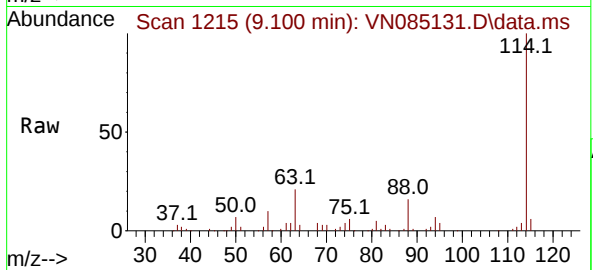




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN085131.D
Acq: 06 Dec 2024 16:51

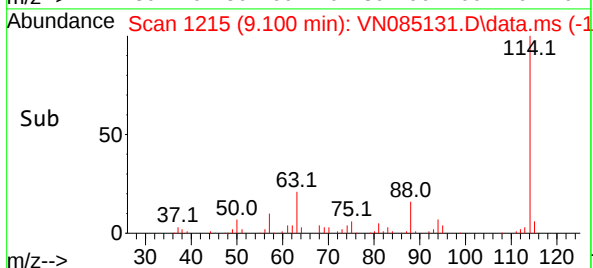
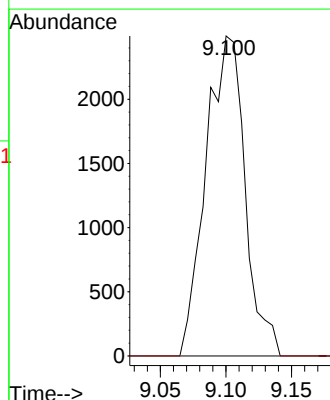
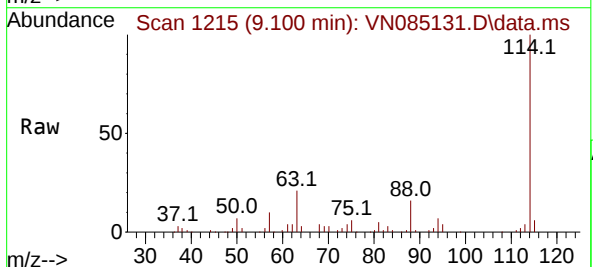
Instrument :
MSVOA_N
ClientSampleId :
14B-1

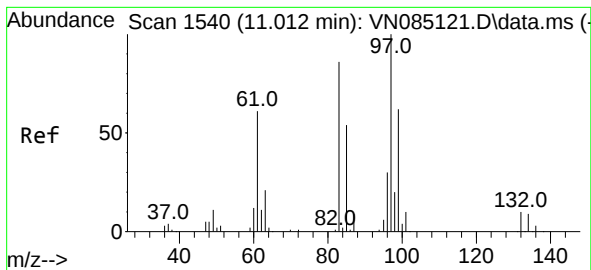
Tgt Ion:114 Resp: 130244
Ion Ratio Lower Upper
114 100
63 20.7 16.2 24.2
88 16.2 12.5 18.7



#36
1,2-Dichloroethane
Concen: 2.301 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.435 min
Lab File: VN085131.D
Acq: 06 Dec 2024 16:51

Tgt Ion: 62 Resp: 5171
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#

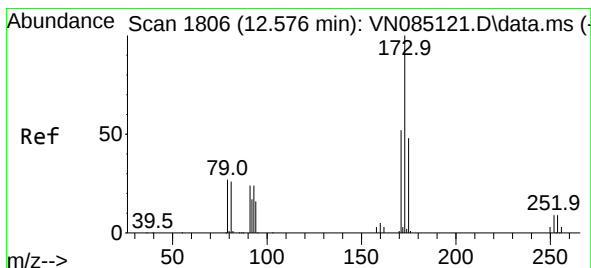
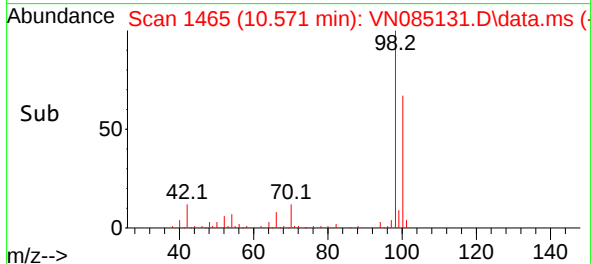
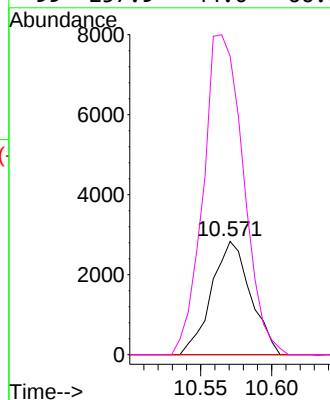
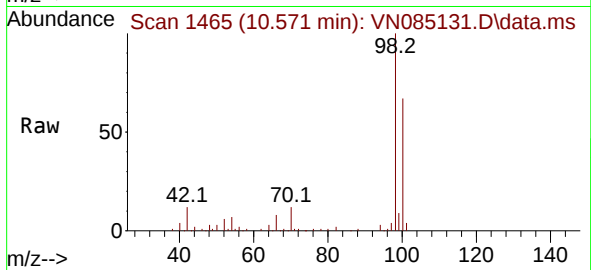




#50
1,1,2-Trichloroethane
Concen: 3.508 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.441 min
Lab File: VN085131.D
Acq: 06 Dec 2024 16:51

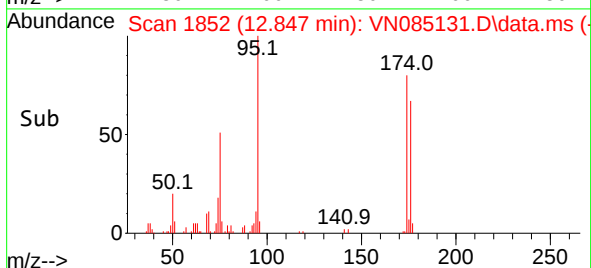
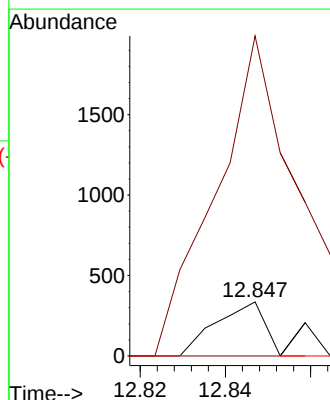
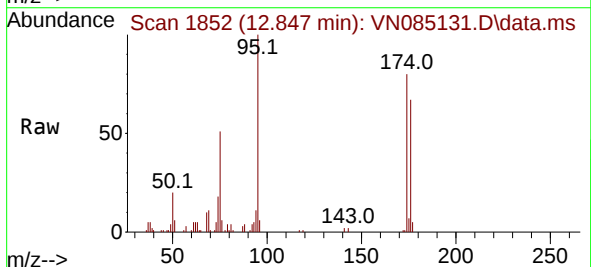
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14B-1

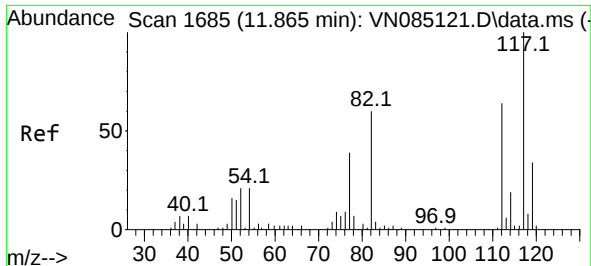
Tgt Ion: 97	Resp: 5423
Ion Ratio	Lower Upper
97 100	
83 0.0	65.8 98.8#
85 0.0	40.8 61.2#
99 257.9	44.0 66.0#



#56
Bromoform
Concen: 0.212 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085131.D
Acq: 06 Dec 2024 16:51

Tgt Ion: 173	Resp: 268
Ion Ratio	Lower Upper
173 100	
175 978.7	40.2 60.2#
254 0.0	6.2 9.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085131.D

Acq: 06 Dec 2024 16:51

Instrument :

MSVOA_N

ClientSampleId :

14B-1

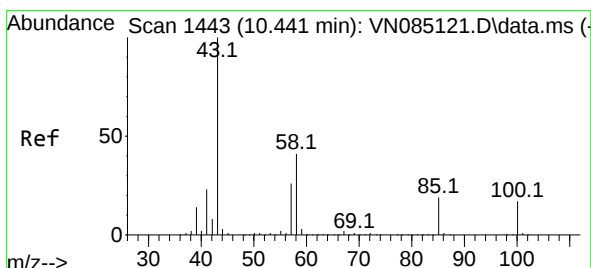
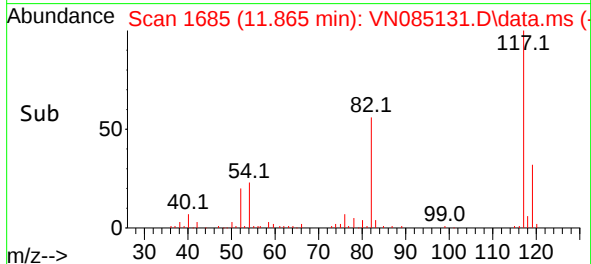
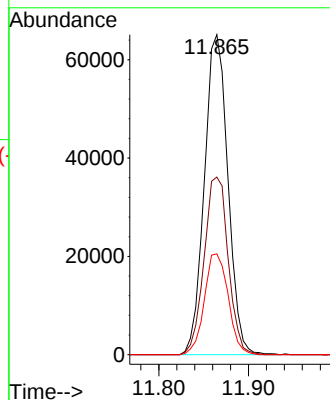
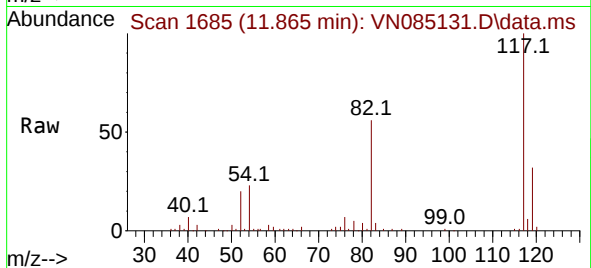
Tgt Ion:117 Resp: 118708

Ion Ratio Lower Upper

117 100

82 56.9 44.2 66.4

119 31.9 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 0.369 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.124 min

Lab File: VN085131.D

Acq: 06 Dec 2024 16:51

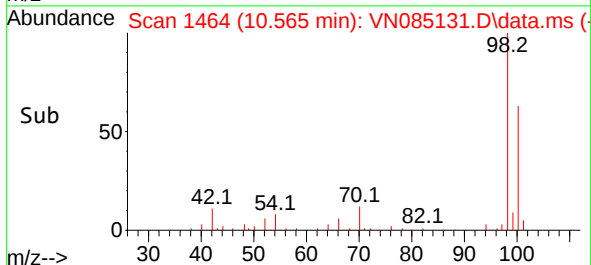
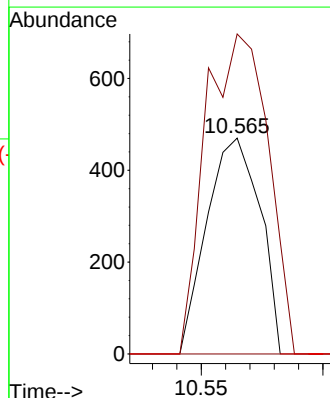
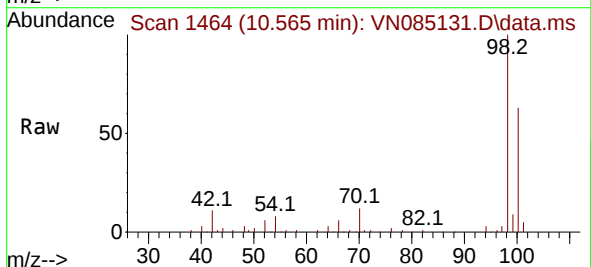
Tgt Ion: 43 Resp: 715

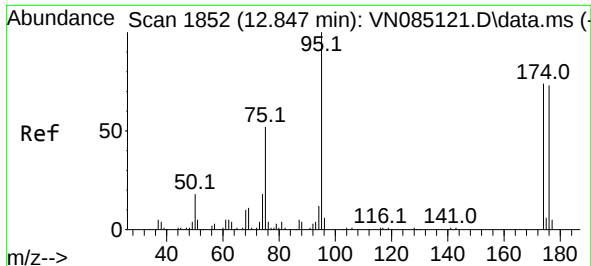
Ion Ratio Lower Upper

43 100

58 174.1 31.6 47.4#

85 0.0 15.0 22.6#

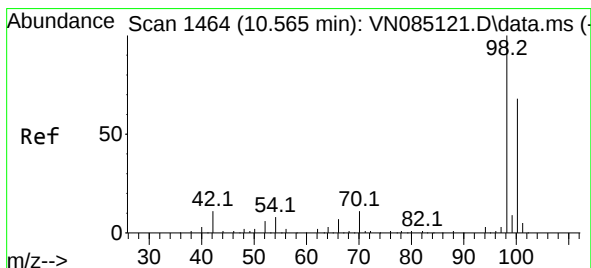
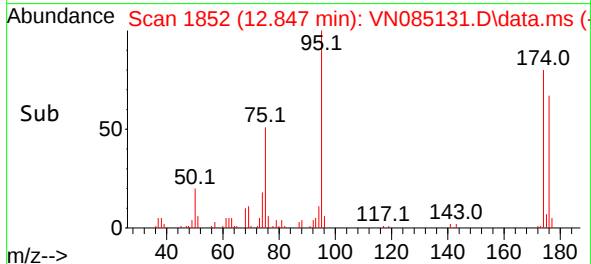
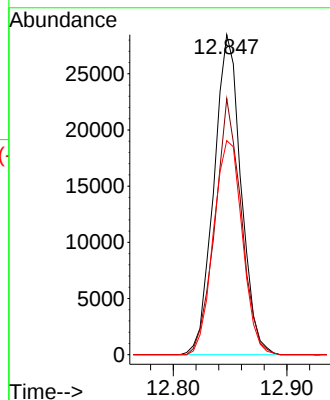
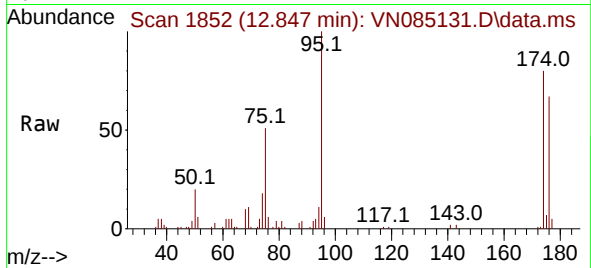




#60
4-Bromofluorobenzene
Concen: 24.038 ug/l
RT: 12.847 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN085131.D
Acq: 06 Dec 2024 16:51

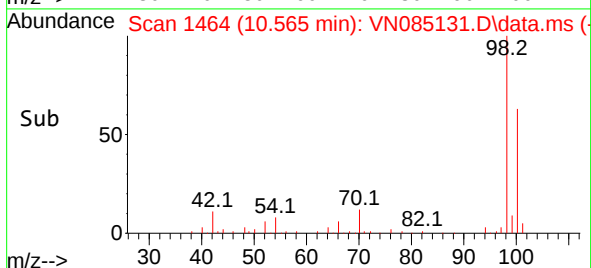
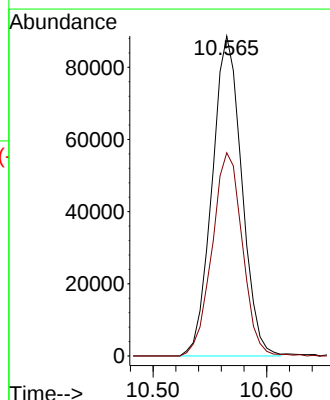
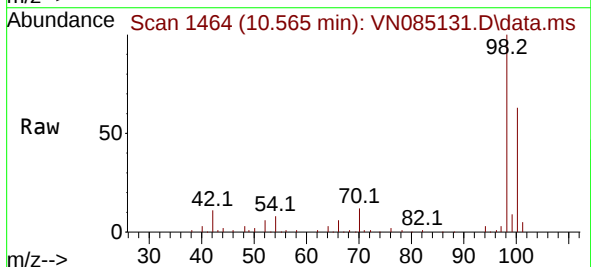
Instrument :
MSVOA_N
ClientSampleId :
14B-1

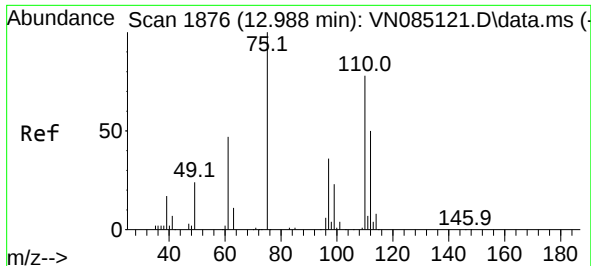
Tgt Ion: 95 Resp: 47214
Ion Ratio Lower Upper
95 100
174 77.3 60.3 90.5
176 71.3 57.4 86.0



#63
Toluene-d8
Concen: 28.871 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085131.D
Acq: 06 Dec 2024 16:51

Tgt Ion: 98 Resp: 160763
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0

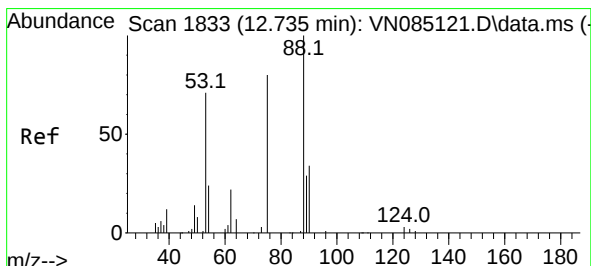
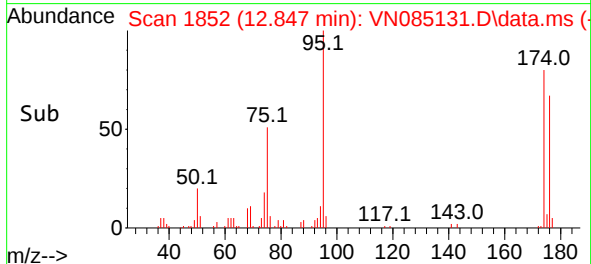
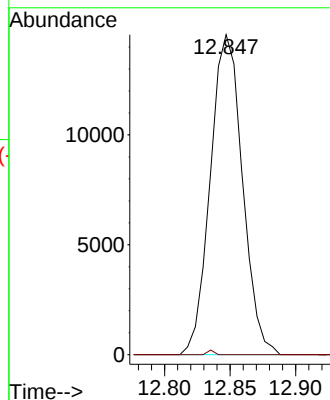
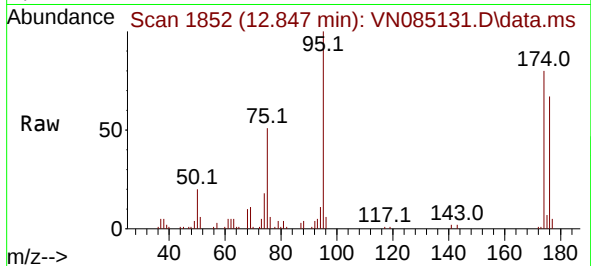




#72
1,2,3-Trichloropropane
Concen: 12.066 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085131.D
Acq: 06 Dec 2024 16:51

Instrument :
MSVOA_N
ClientSampleId :
14B-1

Tgt Ion: 75 Resp: 24829
Ion Ratio Lower Upper
75 100
77 0.0 0.0 339.0



#77
t-1,4-Dichloro-2-butene
Concen: 33.204 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085131.D
Acq: 06 Dec 2024 16:51

Tgt Ion: 75 Resp: 24829
Ion Ratio Lower Upper
75 100
53 0.0 49.1 147.3#
89 0.0 22.9 68.5#

