

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085129.D
 Acq On : 06 Dec 2024 16:03
 Operator : JC\MD
 Sample : P5051-03 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 23:09:59 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)

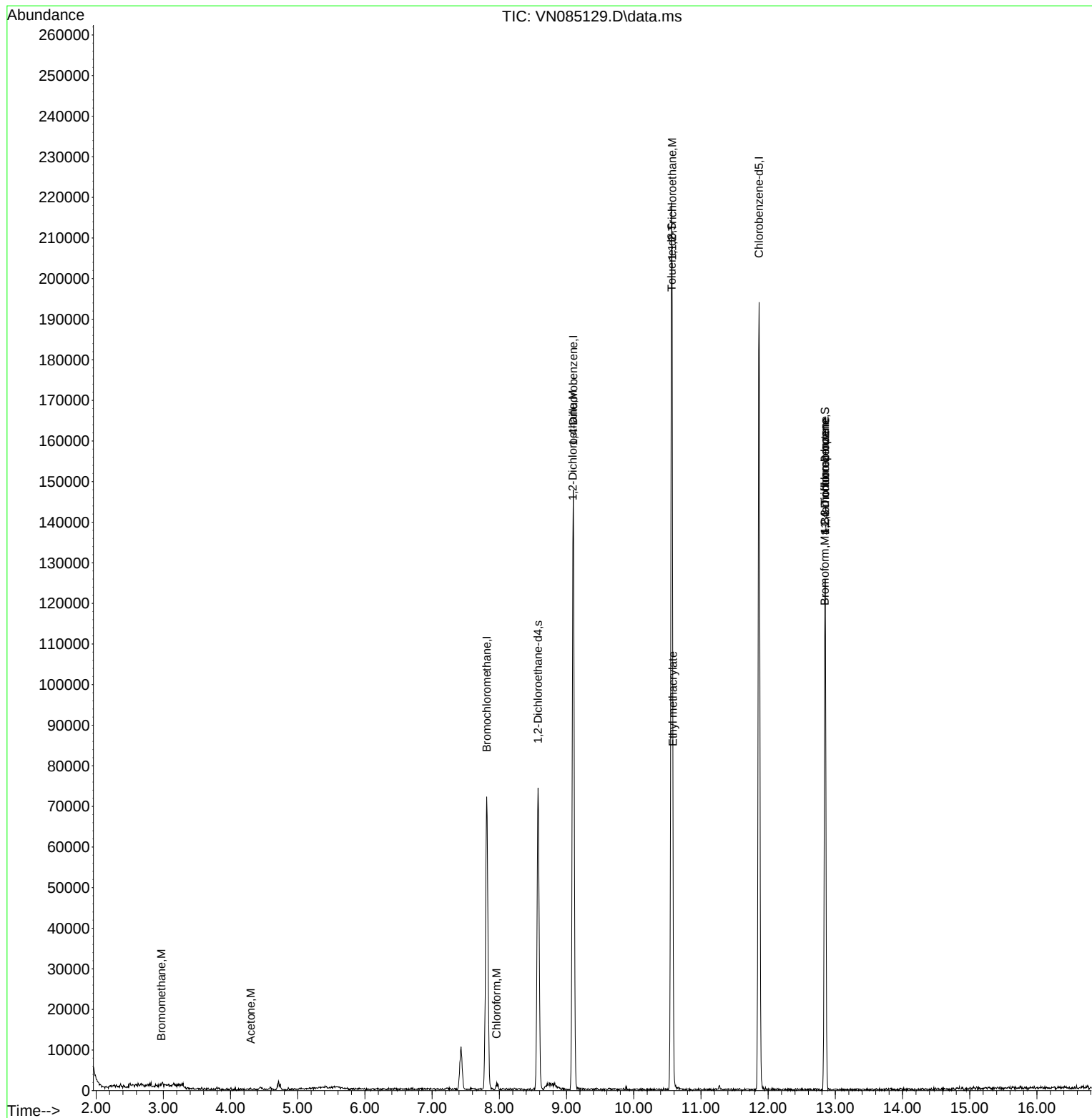
Internal Standards						
1) Bromochloromethane	7.812	128	25952	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	125149	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	113060	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	61035	29.640	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.800%
60) 4-Bromofluorobenzene	12.847	95	44511	23.794	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.300%
63) Toluene-d8	10.565	98	151530	28.572	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.233%
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	649	0.544	ug/l #	47
15) Acetone	4.301	58	145	0.691	ug/l #	1
25) Chloroform	7.959	83	1126	0.351	ug/l	97
36) 1,2-Dichloroethane	9.094	62	2904	1.345	ug/l #	75
50) 1,1,2-Trichloroethane	10.571	97	5347	3.600	ug/l #	1
51) Ethyl methacrylate	10.582	69	569	0.252	ug/l #	30
56) Bromoform	12.841	173	499	0.411	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	23179	11.826	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	23179	32.546	ug/l #	10

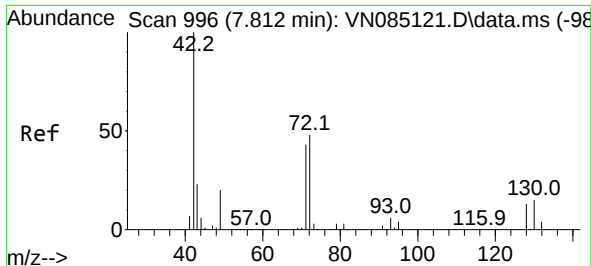
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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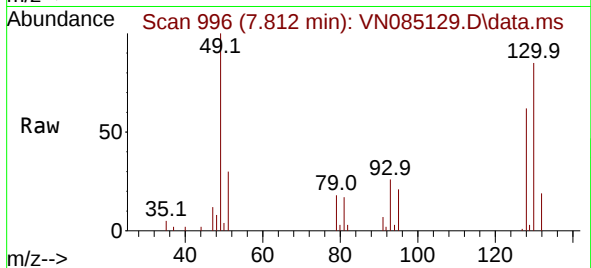
Quant Time: Dec 06 23:09:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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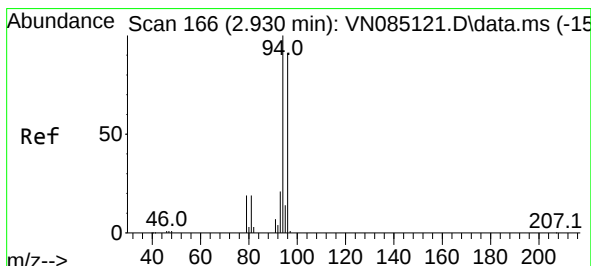
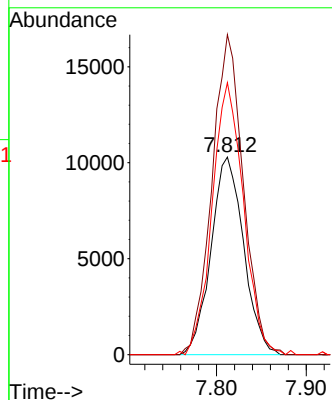
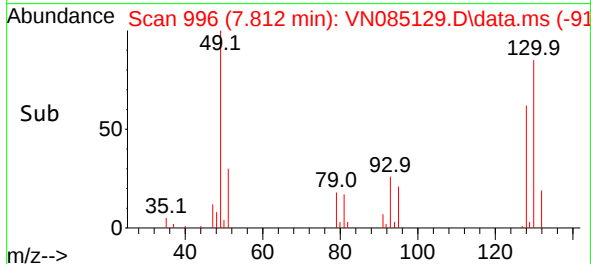


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN085129.D
Acq: 06 Dec 2024 16:03

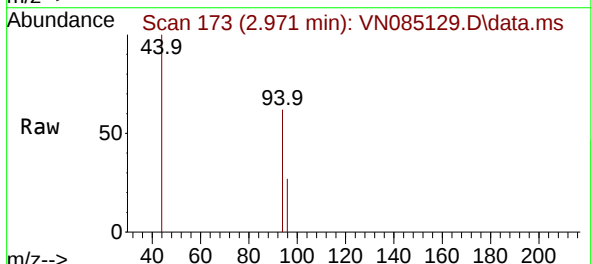
Instrument :
MSVOA_N
ClientSampleId :



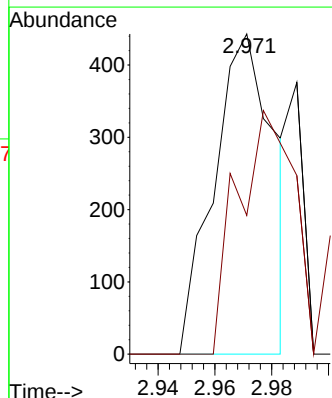
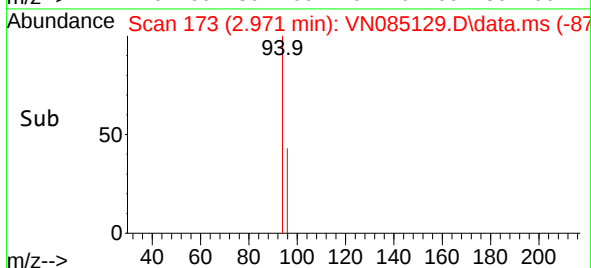
Tgt Ion:128 Resp: 25952
Ion Ratio Lower Upper
128 100
49 155.8 0.0 394.5
130 132.3 0.0 316.5

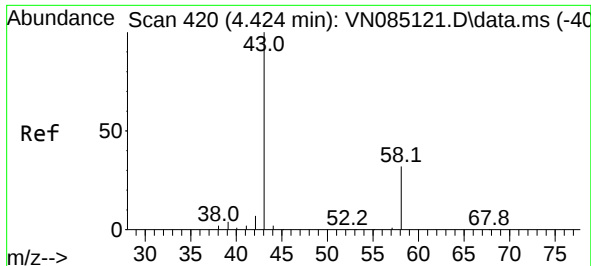


#5
Bromomethane
Concen: 0.544 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.006 min
Lab File: VN085129.D
Acq: 06 Dec 2024 16:03



Tgt Ion: 94 Resp: 649
Ion Ratio Lower Upper
94 100
96 43.3 76.2 114.4#

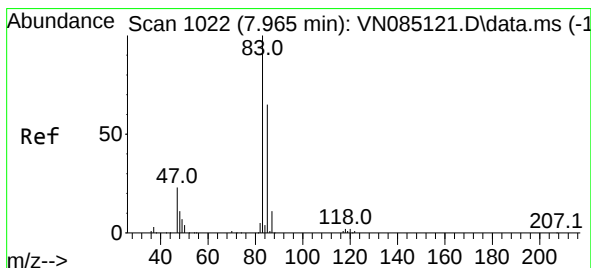
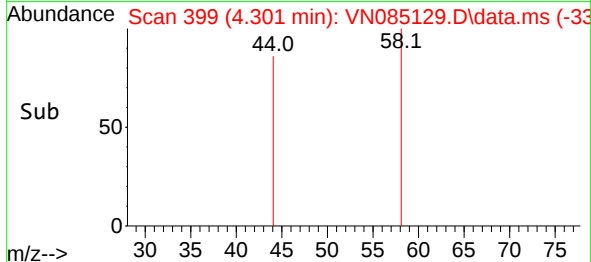
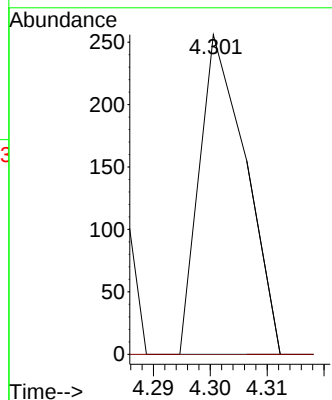
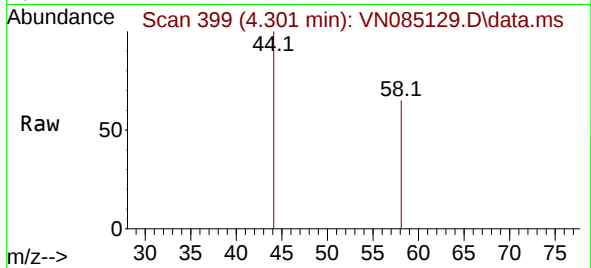




#15
Acetone
Concen: 0.691 ug/l
RT: 4.301 min Scan# 399
Delta R.T. -0.123 min
Lab File: VN085129.D
Acq: 06 Dec 2024 16:03

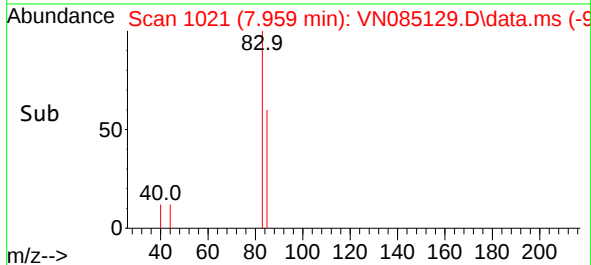
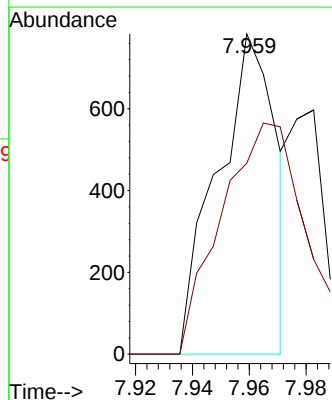
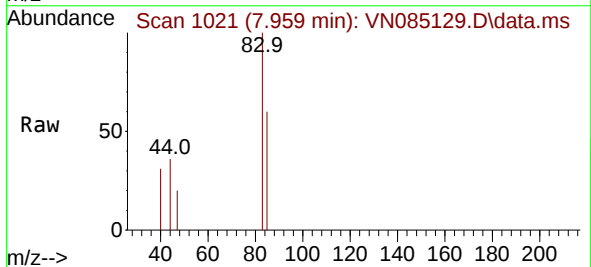
Instrument :
MSVOA_N
ClientSampleId :

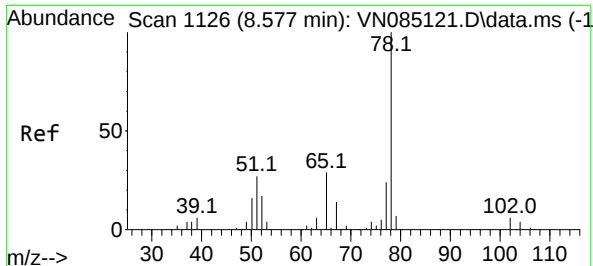
Tgt Ion: 58 Resp: 145
Ion Ratio Lower Upper
58 100
43 0.0 242.3 363.5#



#25
Chloroform
Concen: 0.351 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085129.D
Acq: 06 Dec 2024 16:03

Tgt Ion: 83 Resp: 1126
Ion Ratio Lower Upper
83 100
85 59.6 49.4 74.0

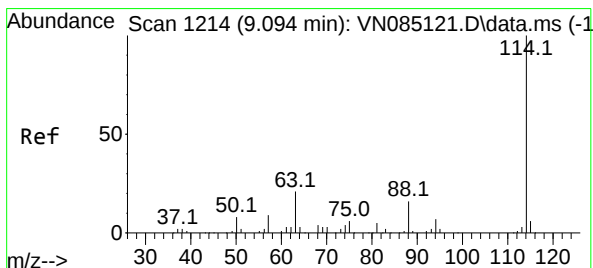
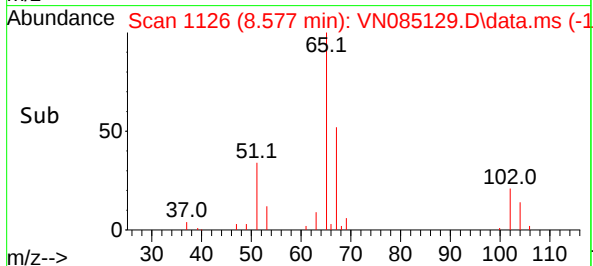
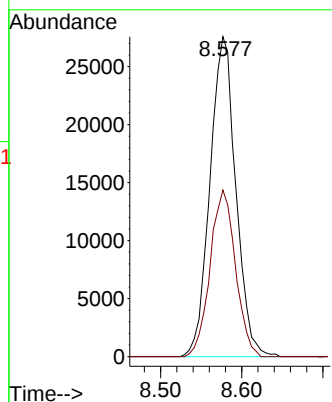
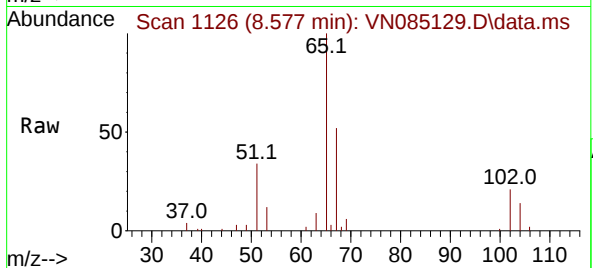




#27
 1,2-Dichloroethane-d4
 Concen: 29.640 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN085129.D
 Acq: 06 Dec 2024 16:03

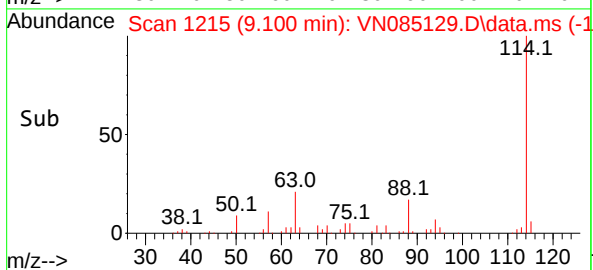
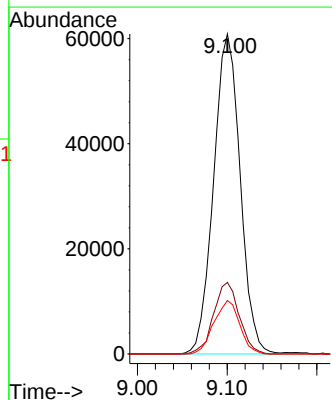
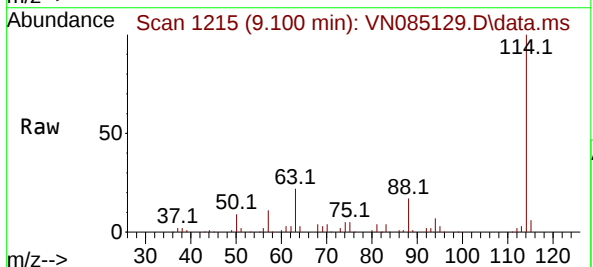
Instrument :
 MSVOA_N
 ClientSampleId :

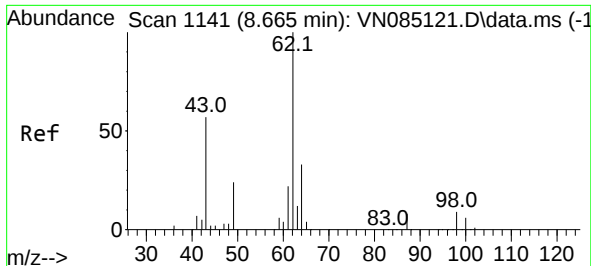
Tgt Ion: 65 Resp: 61035
 Ion Ratio Lower Upper
 65 100
 67 51.0 39.9 59.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN085129.D
 Acq: 06 Dec 2024 16:03

Tgt Ion: 114 Resp: 125149
 Ion Ratio Lower Upper
 114 100
 63 21.5 16.2 24.2
 88 16.2 12.5 18.7





#36

1,2-Dichloroethane

Concen: 1.345 ug/l

RT: 9.094 min Scan# 11

Delta R.T. 0.430 min

Lab File: VN085129.D

Acq: 06 Dec 2024 16:03

Instrument :

MSVOA_N

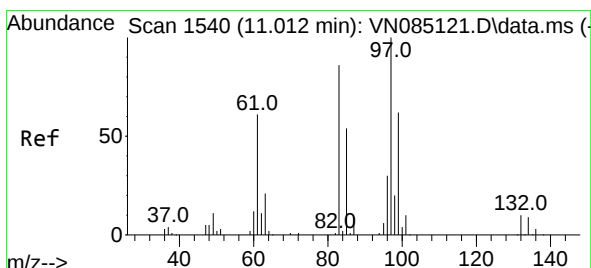
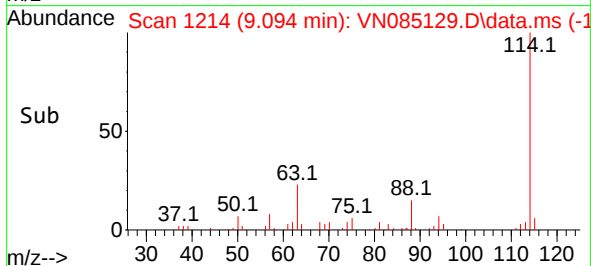
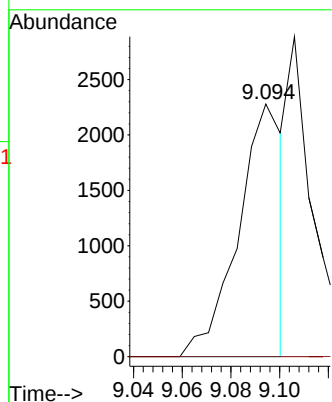
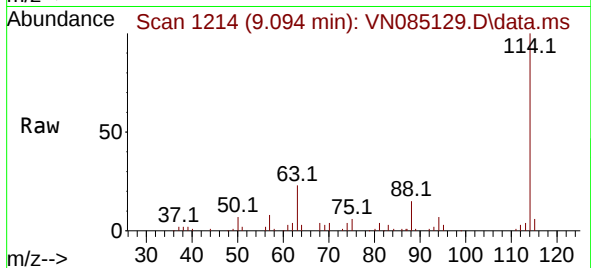
ClientSampleId :

Tgt Ion: 62 Resp: 2904

Ion Ratio Lower Upper

62 100

98 0.0 7.3 10.9#



#50

1,1,2-Trichloroethane

Concen: 3.600 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.441 min

Lab File: VN085129.D

Acq: 06 Dec 2024 16:03

Tgt Ion: 97 Resp: 5347

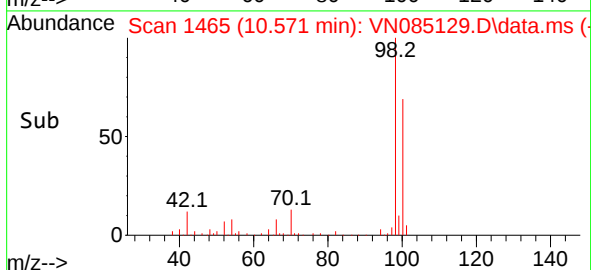
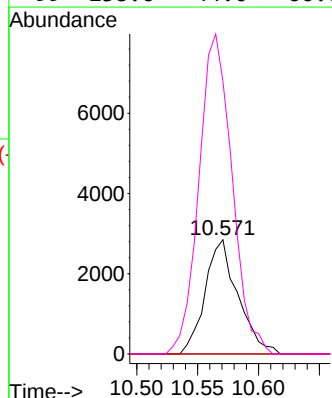
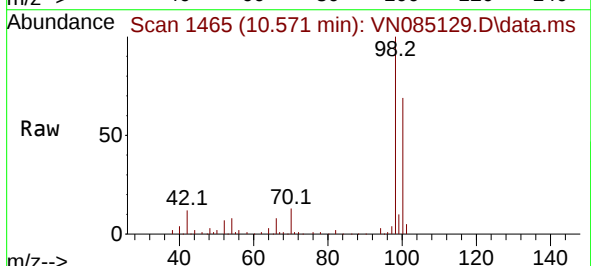
Ion Ratio Lower Upper

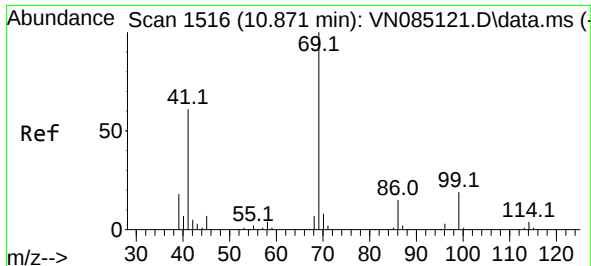
97 100

83 0.0 65.8 98.8#

85 0.0 40.8 61.2#

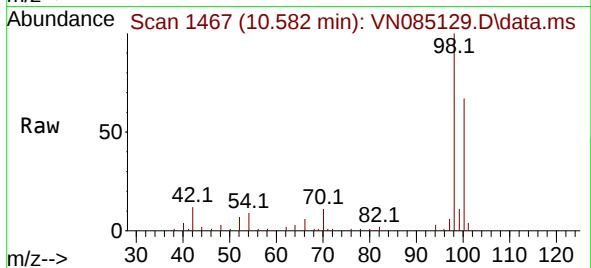
99 238.6 44.0 66.0#



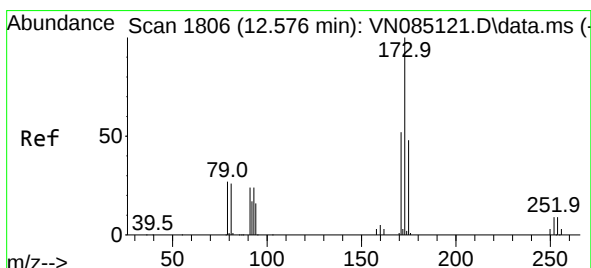
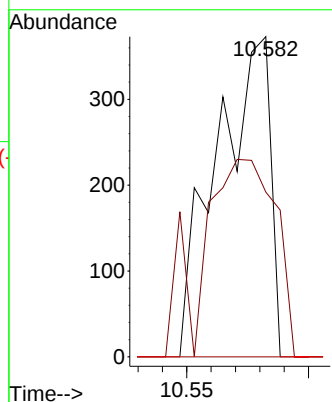
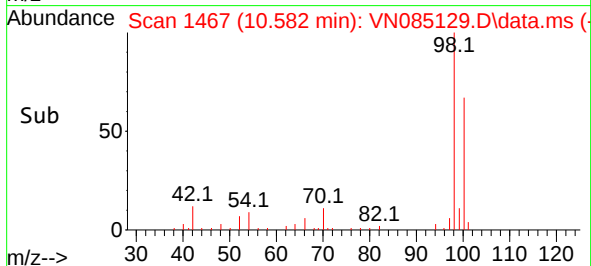


#51
Ethyl methacrylate
Concen: 0.252 ug/l
RT: 10.582 min Scan# 14
Delta R.T. -0.288 min
Lab File: VN085129.D
Acq: 06 Dec 2024 16:03

Instrument :
MSVOA_N
ClientSampleId :

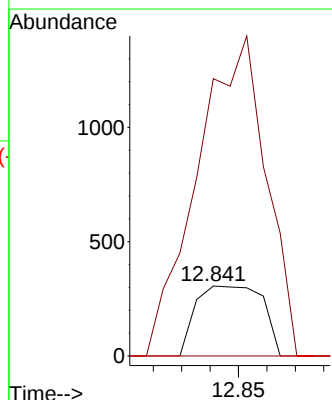
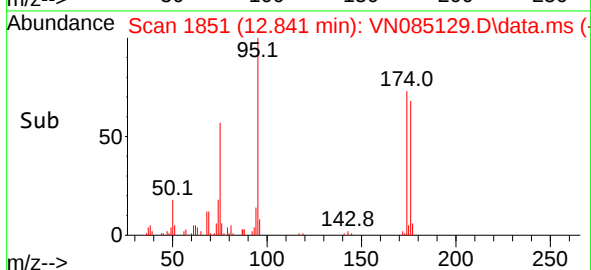
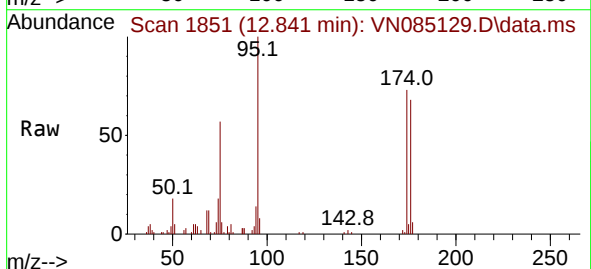


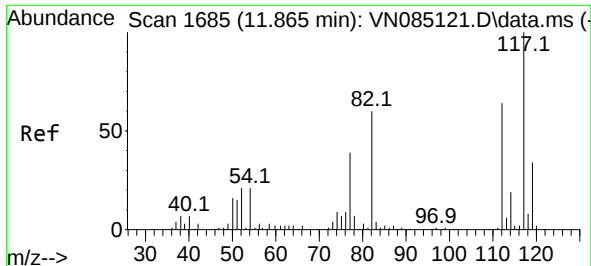
Tgt Ion: 69 Resp: 569
Ion Ratio Lower Upper
69 100
41 6.2 32.1 96.3#
39 0.0 18.8 56.4#



#56
Bromoform
Concen: 0.411 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085129.D
Acq: 06 Dec 2024 16:03

Tgt Ion:173 Resp: 499
Ion Ratio Lower Upper
173 100
175 472.5 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: VN085129.D

Acq: 06 Dec 2024 16:03

Instrument :

MSVOA_N

ClientSampleId :

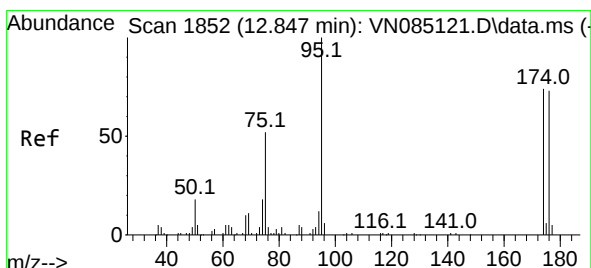
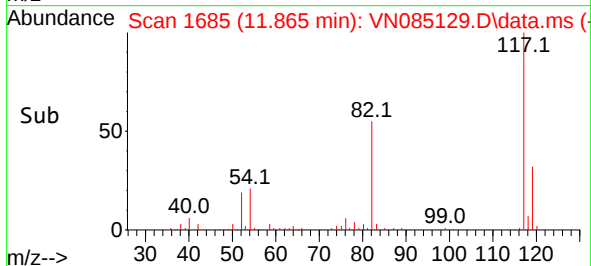
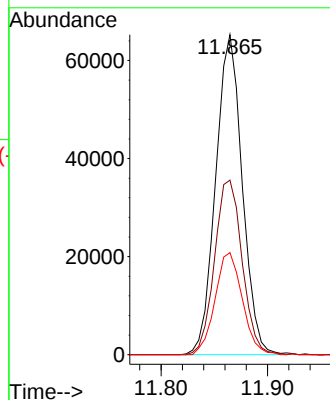
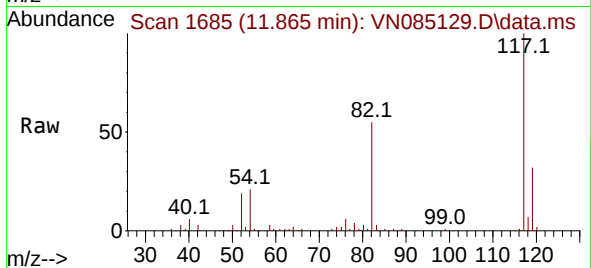
Tgt Ion:117 Resp: 113060

Ion Ratio Lower Upper

117 100

82 56.6 44.2 66.4

119 32.7 25.4 38.2



#60

4-Bromofluorobenzene

Concen: 23.794 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN085129.D

Acq: 06 Dec 2024 16:03

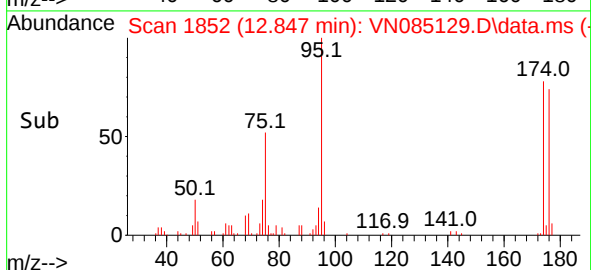
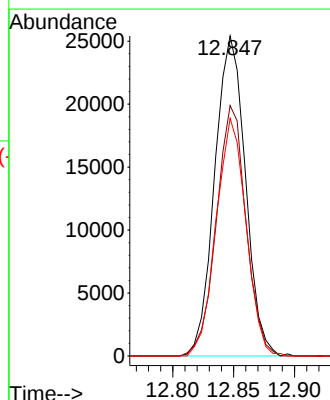
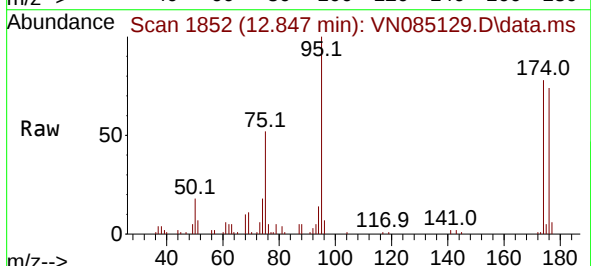
Tgt Ion: 95 Resp: 44511

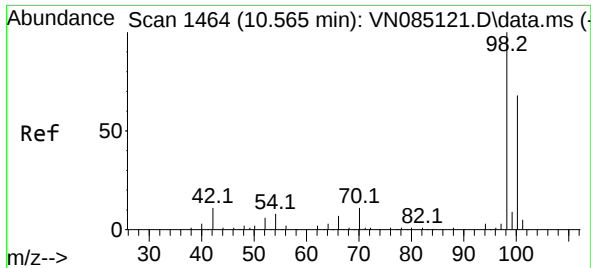
Ion Ratio Lower Upper

95 100

174 75.6 60.3 90.5

176 72.4 57.4 86.0

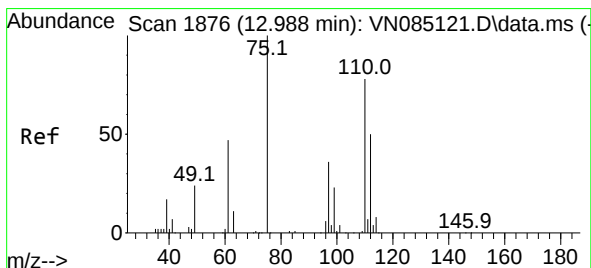
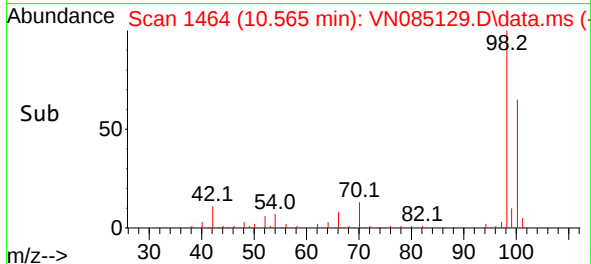
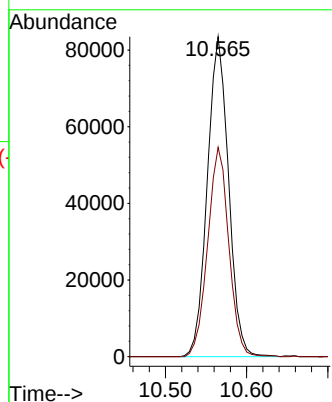
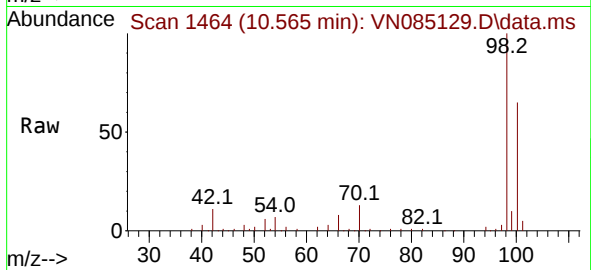




#63
Toluene-d8
Concen: 28.572 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085129.D
Acq: 06 Dec 2024 16:03

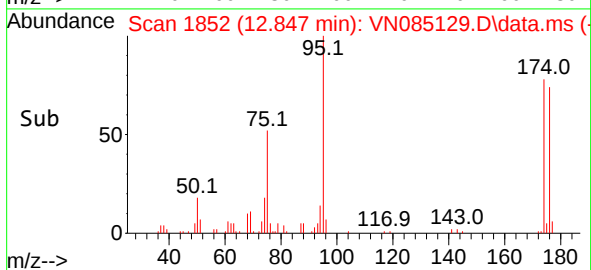
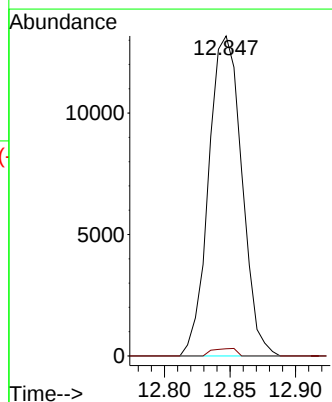
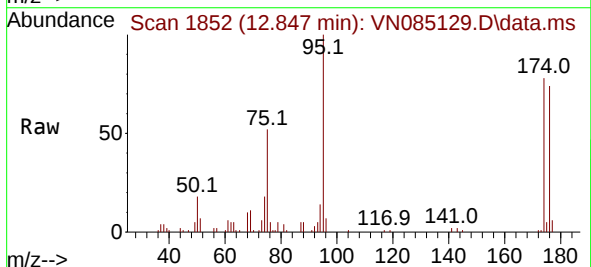
Instrument :
MSVOA_N
ClientSampleId :

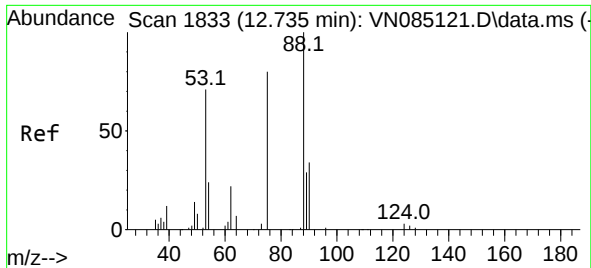
Tgt Ion: 98 Resp: 151530
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#72
1,2,3-Trichloropropane
Concen: 11.826 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085129.D
Acq: 06 Dec 2024 16:03

Tgt Ion: 75 Resp: 23179
Ion Ratio Lower Upper
75 100
77 1.7 0.0 339.0





#77

t-1,4-Dichloro-2-butene

Concen: 32.546 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.112 min

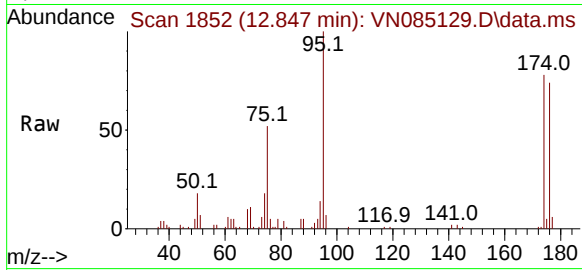
Lab File: VN085129.D

Acq: 06 Dec 2024 16:03

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 23179

Ion Ratio Lower Upper

75 100

53 0.0 49.1 147.3#

89 0.0 22.9 68.5#

