

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011025\
 Data File : VN085422.D
 Acq On : 10 Jan 2025 12:56
 Operator : JC\MD
 Sample : Q1038-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 10 22:44:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 02:03:07 2024
 Response via : Initial Calibration

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

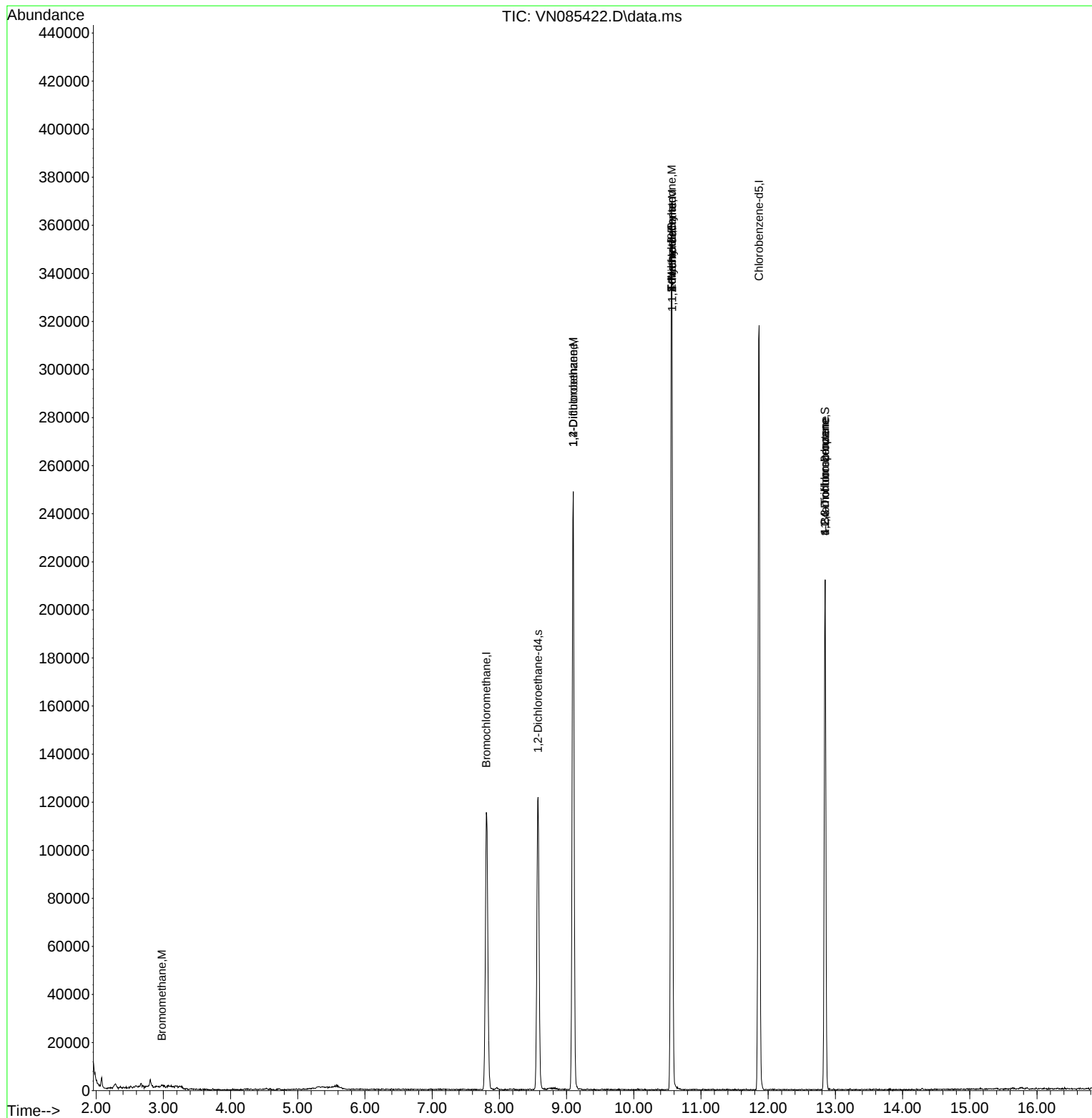
Internal Standards						
1) Bromochloromethane	7.806	128	38727	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	199357	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	177899	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	102103	29.971	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.900%
60) 4-Bromofluorobenzene	12.847	95	70311	24.399	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.333%
63) Toluene-d8	10.565	98	248274	28.581	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.267%
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	788	0.406	ug/l	85
36) 1,2-Dichloroethane	9.100	62	8114	2.051	ug/l #	77
50) 1,1,2-Trichloroethane	10.571	97	8801	3.467	ug/l #	1
51) Ethyl methacrylate	10.565	69	946	0.246	ug/l #	70
58) 4-Methyl-2-Pentanone	10.565	43	1243	0.345	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	38114	12.236	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	38114	29.940	ug/l #	6

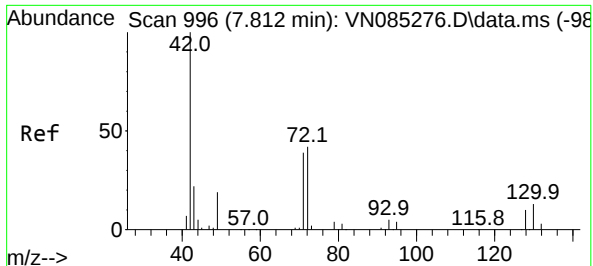
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

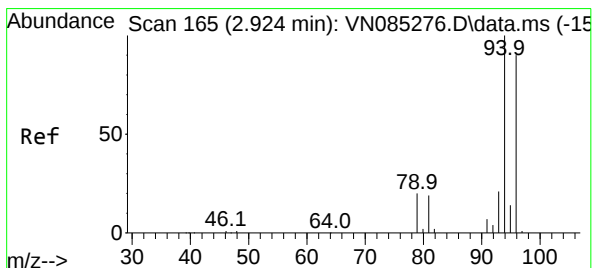
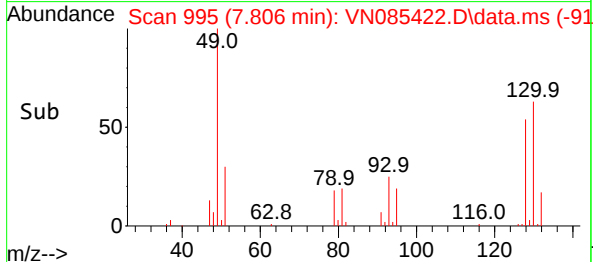
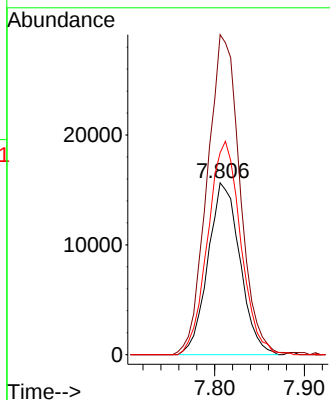
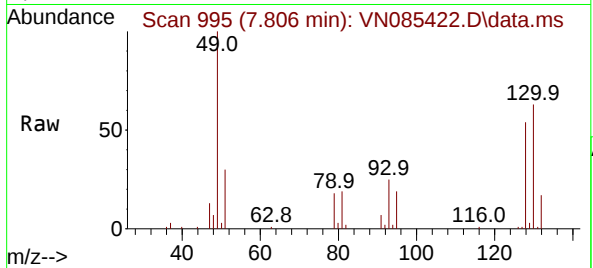




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN085422.D
Acq: 10 Jan 2025 12:56

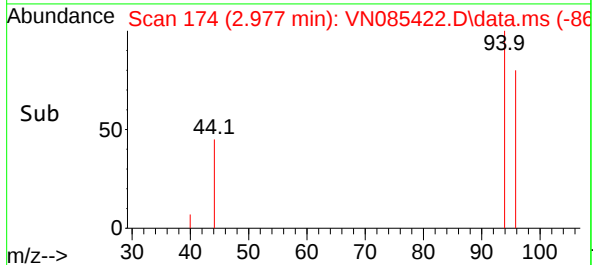
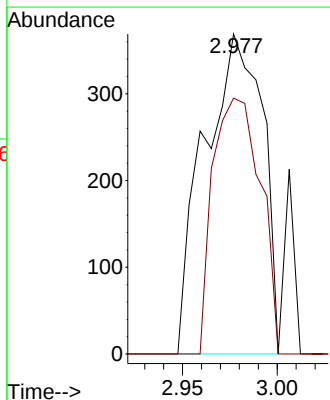
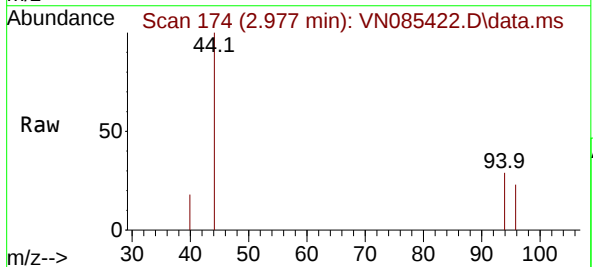
Instrument :
MSVOA_N
ClientSampleId :

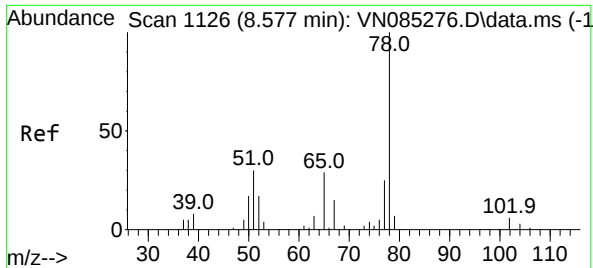
Tgt Ion:128 Resp: 38727
Ion Ratio Lower Upper
128 100
49 190.7 0.0 497.8
130 128.0 0.0 328.5



#5
Bromomethane
Concen: 0.406 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.018 min
Lab File: VN085422.D
Acq: 10 Jan 2025 12:56

Tgt Ion: 94 Resp: 788
Ion Ratio Lower Upper
94 100
96 79.9 75.6 113.4

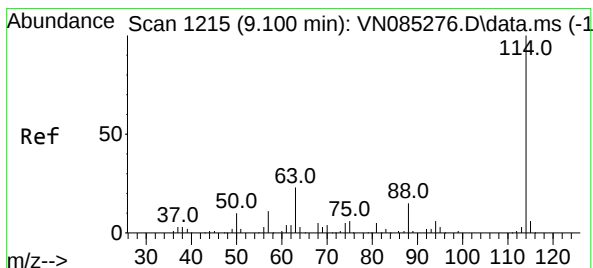
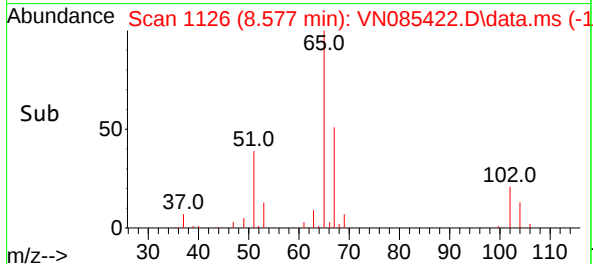
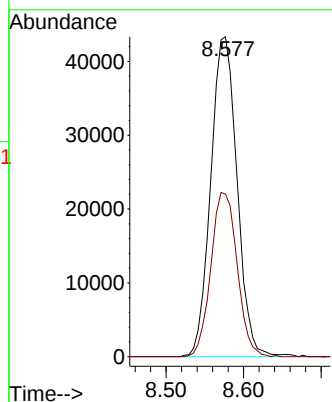
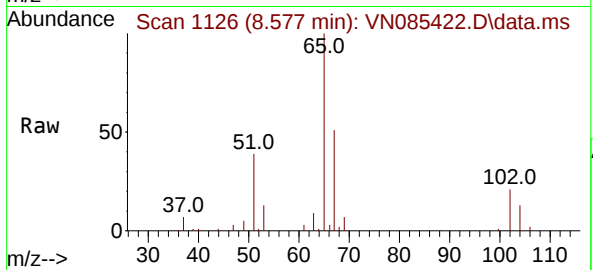




#27
 1,2-Dichloroethane-d4
 Concen: 29.971 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN085422.D
 Acq: 10 Jan 2025 12:56

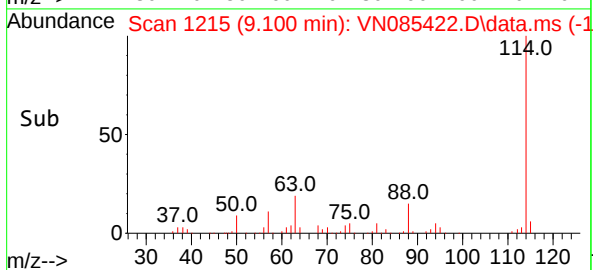
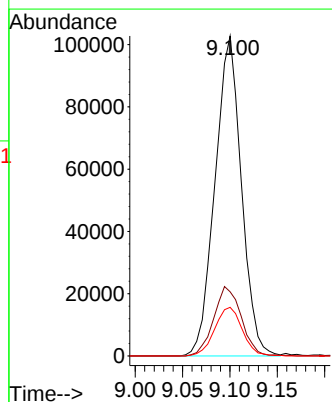
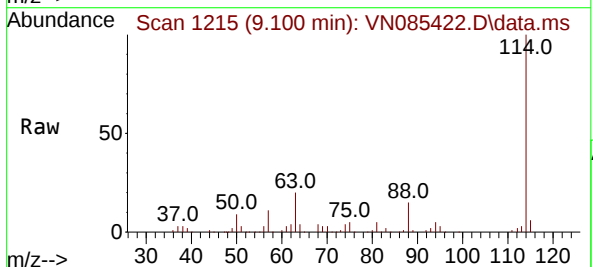
Instrument :
 MSVOA_N
 ClientSampleId :

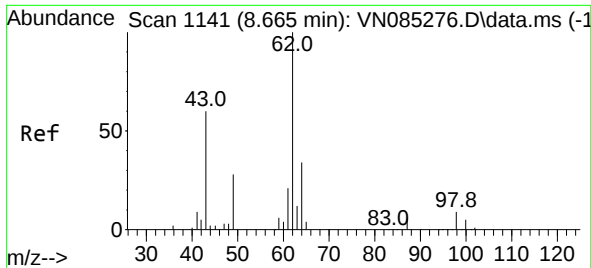
Tgt Ion: 65 Resp: 102103
 Ion Ratio Lower Upper
 65 100
 67 51.3 42.0 63.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN085422.D
 Acq: 10 Jan 2025 12:56

Tgt Ion: 114 Resp: 199357
 Ion Ratio Lower Upper
 114 100
 63 22.6 18.0 27.0
 88 15.9 12.9 19.3





#36

1,2-Dichloroethane

Concen: 2.051 ug/l

RT: 9.100 min Scan# 1141

Delta R.T. 0.435 min

Lab File: VN085422.D

Acq: 10 Jan 2025 12:56

Instrument :

MSVOA_N

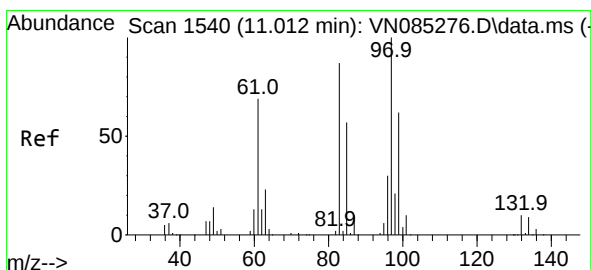
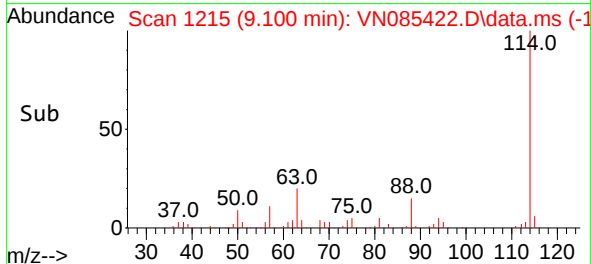
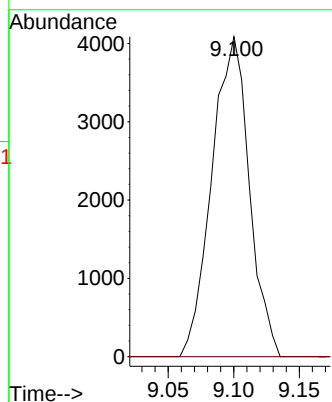
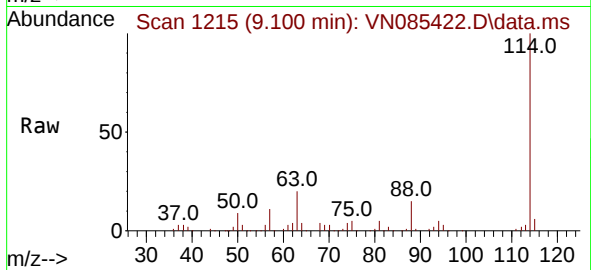
ClientSampleId :

Tgt Ion: 62 Resp: 8114

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



#50

1,1,2-Trichloroethane

Concen: 3.467 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.441 min

Lab File: VN085422.D

Acq: 10 Jan 2025 12:56

Tgt Ion: 97 Resp: 8801

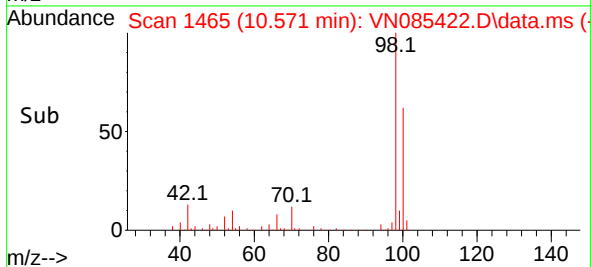
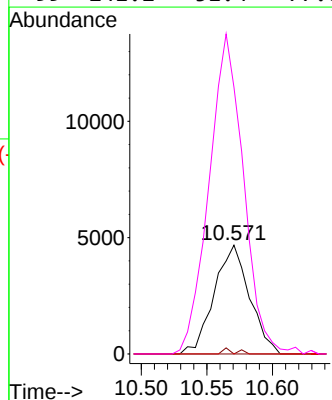
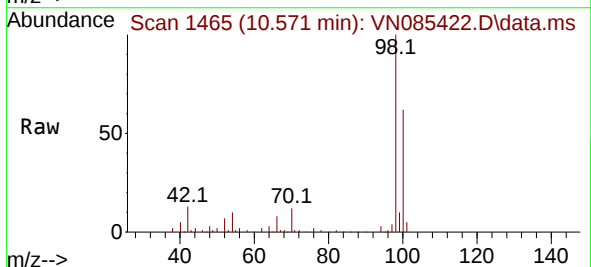
Ion Ratio Lower Upper

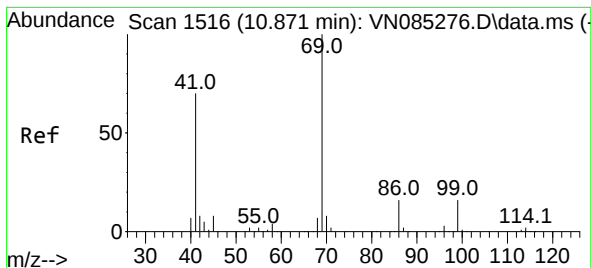
97 100

83 0.0 72.2 108.2#

85 0.0 46.6 70.0#

99 241.2 51.4 77.0#





#51

Ethyl methacrylate

Concen: 0.246 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.306 min

Lab File: VN085422.D

Acq: 10 Jan 2025 12:56

Instrument :

MSVOA_N

ClientSampleId :

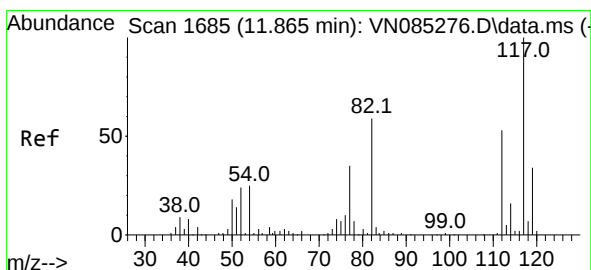
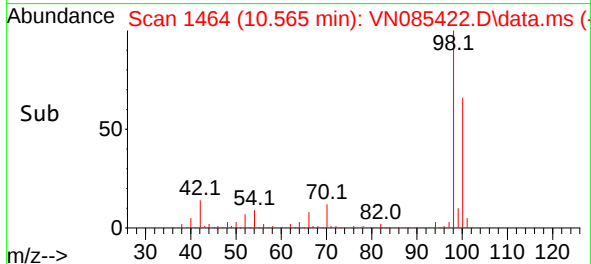
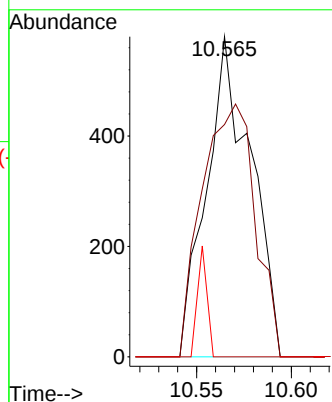
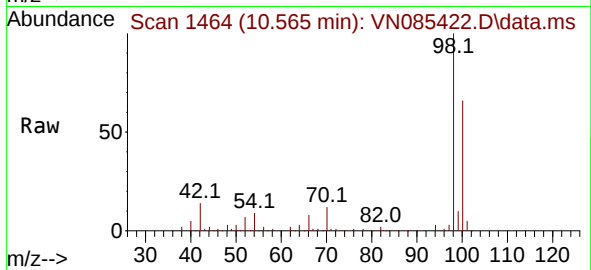
Tgt Ion: 69 Resp: 946

Ion Ratio Lower Upper

69 100

41 72.6 38.1 114.5

39 0.0 24.1 72.2#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN085422.D

Acq: 10 Jan 2025 12:56

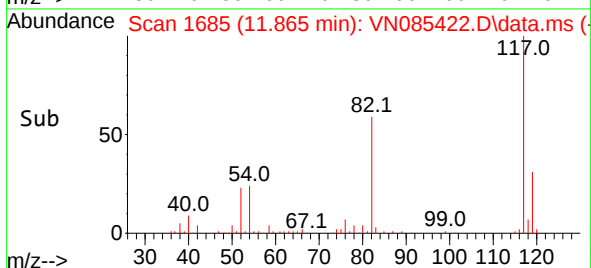
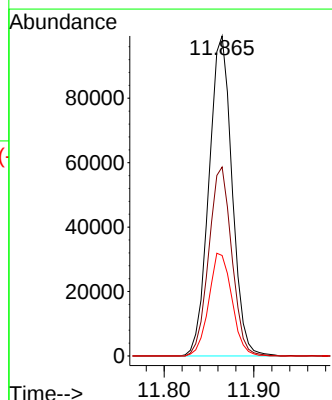
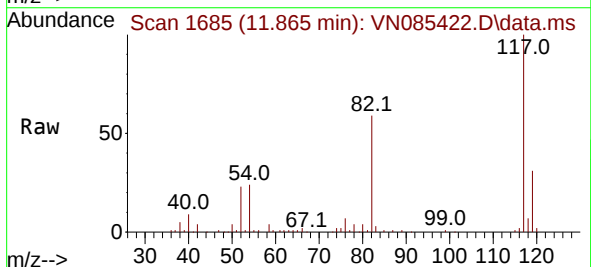
Tgt Ion: 117 Resp: 177899

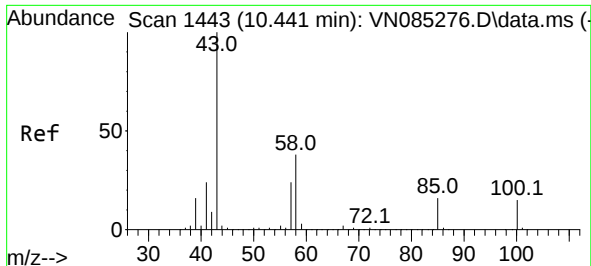
Ion Ratio Lower Upper

117 100

82 58.7 47.4 71.0

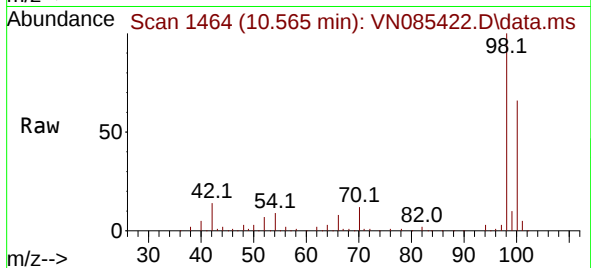
119 32.1 25.3 37.9



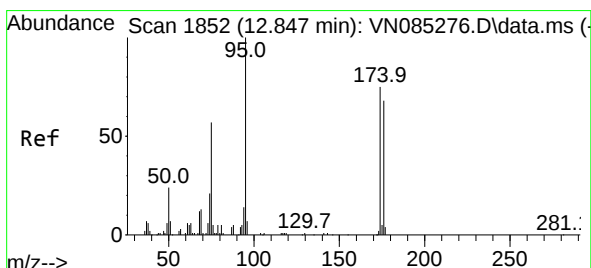
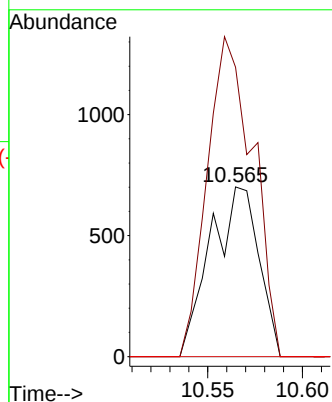
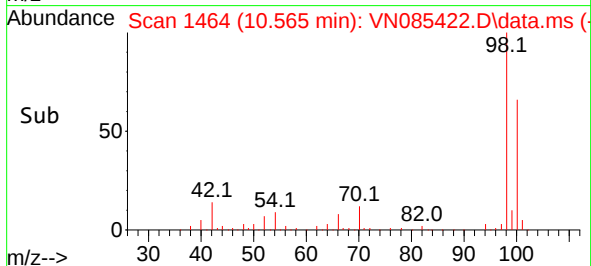


#58
4-Methyl-2-Pentanone
Concen: 0.345 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.124 min
Lab File: VN085422.D
Acq: 10 Jan 2025 12:56

Instrument :
MSVOA_N
ClientSampleId :

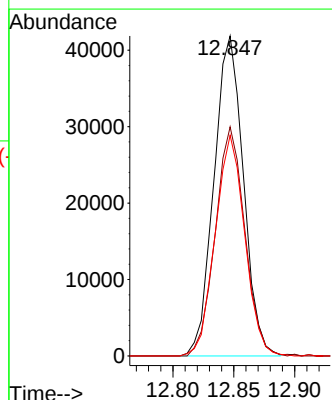
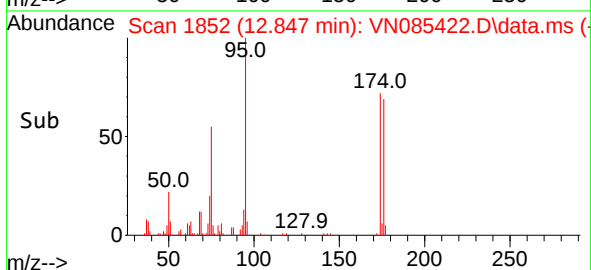
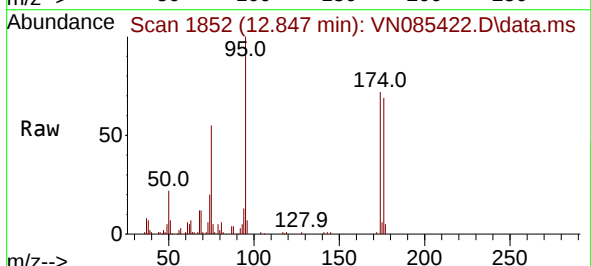


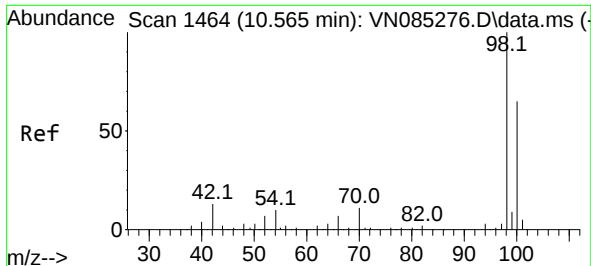
Tgt Ion: 43 Resp: 1243
Ion Ratio Lower Upper
43 100
58 178.8 29.2 43.8#
85 0.0 12.8 19.2#



#60
4-Bromofluorobenzene
Concen: 24.399 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085422.D
Acq: 10 Jan 2025 12:56

Tgt Ion: 95 Resp: 70311
Ion Ratio Lower Upper
95 100
174 71.6 57.8 86.8
176 69.2 57.1 85.7

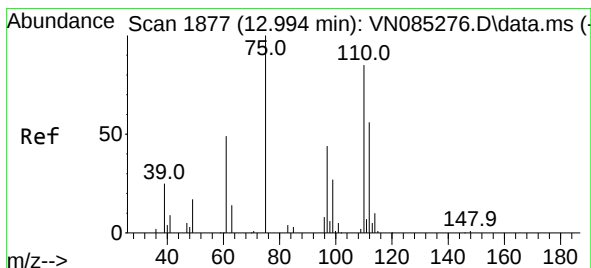
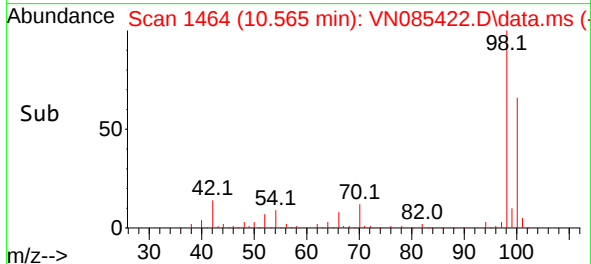
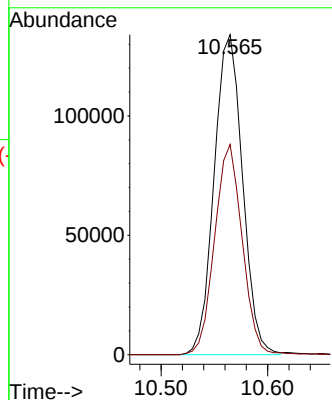
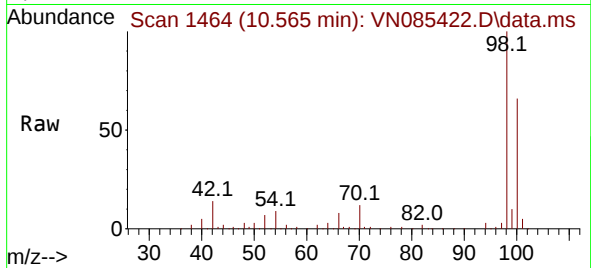




#63
Toluene-d8
Concen: 28.581 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085422.D
Acq: 10 Jan 2025 12:56

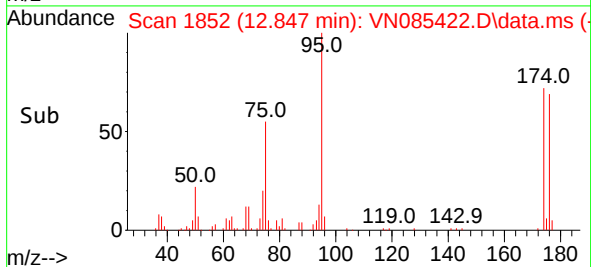
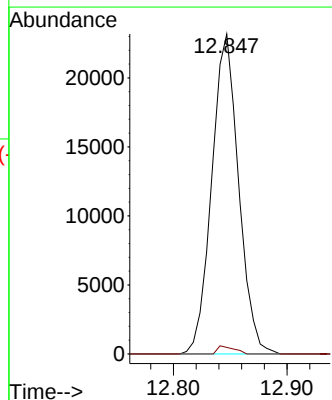
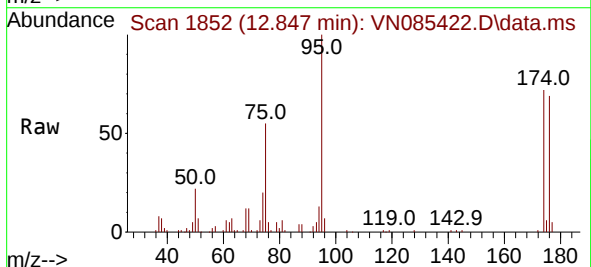
Instrument :
MSVOA_N
ClientSampleId :

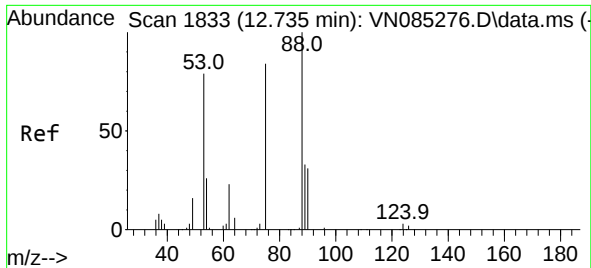
Tgt Ion: 98 Resp: 248274
Ion Ratio Lower Upper
98 100
100 63.8 50.8 76.2



#72
1,2,3-Trichloropropane
Concen: 12.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085422.D
Acq: 10 Jan 2025 12:56

Tgt Ion: 75 Resp: 38114
Ion Ratio Lower Upper
75 100
77 1.6 0.0 407.2





#77

t-1,4-Dichloro-2-butene

Concen: 29.940 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.112 min

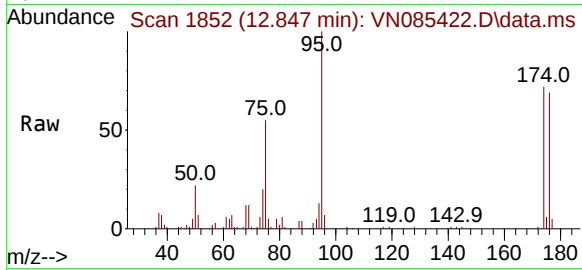
Lab File: VN085422.D

Acq: 10 Jan 2025 12:56

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 38114

Ion Ratio Lower Upper

75 100

53 0.0 54.9 164.5#

89 0.0 22.8 68.3#

