

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086386.D
 Acq On : 23 Apr 2025 16:48
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 24 05:01:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

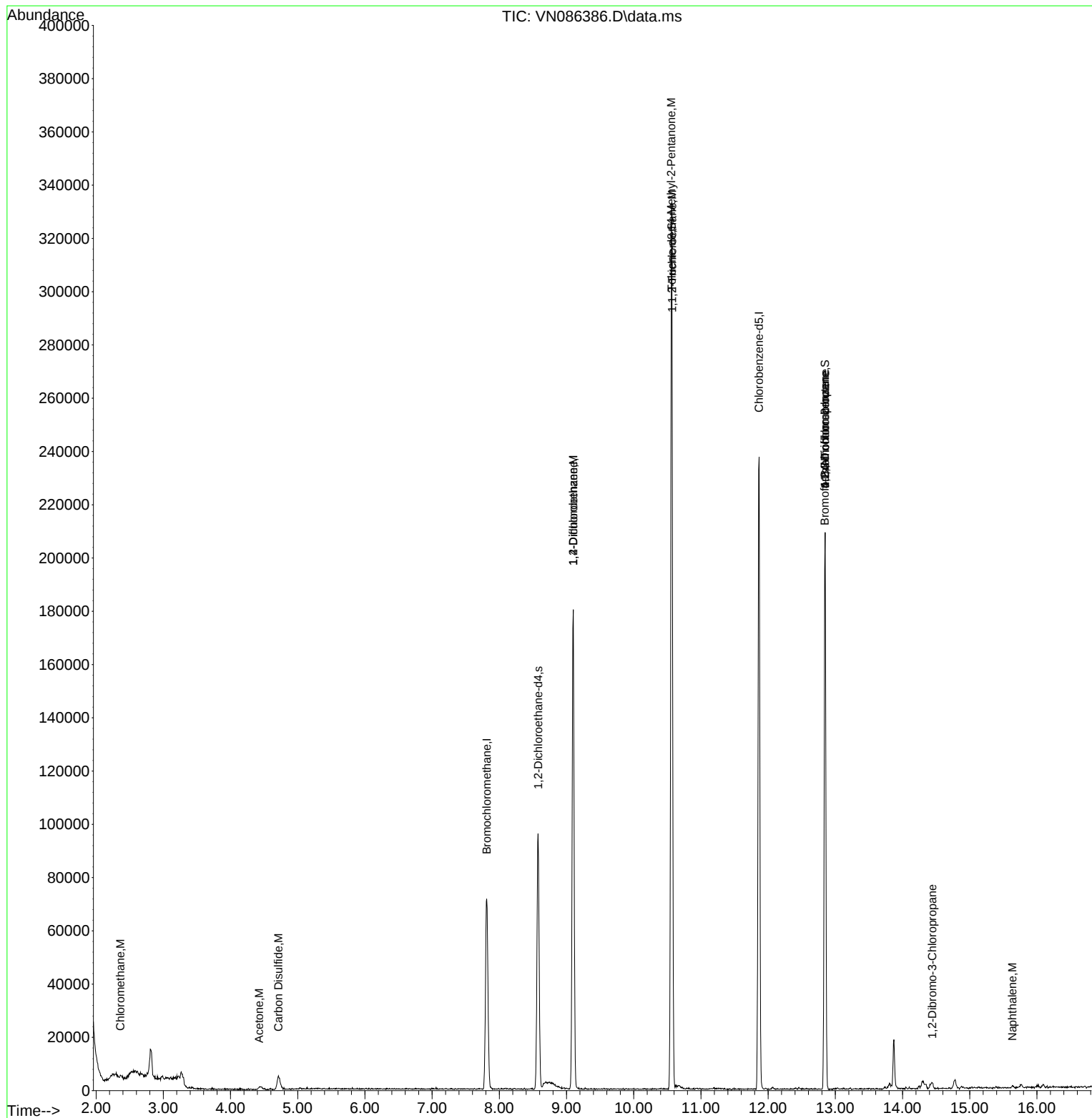
Internal Standards						
1) Bromochloromethane	7.812	128	26647	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	158684	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	141934	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	80216	31.223	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.067%			
60) 4-Bromofluorobenzene	12.847	95	78085	27.991	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.300%			
63) Toluene-d8	10.565	98	233439	29.896	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.667%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	965	0.369	ug/l	95
15) Acetone	4.424	58	211	0.781	ug/l #	1
16) Carbon Disulfide	4.712	76	1406	0.287	ug/l #	75
36) 1,2-Dichloroethane	9.100	62	5865	2.030	ug/l #	74
50) 1,1,2-Trichloroethane	10.571	97	7320	3.565	ug/l #	1
56) Bromoform	12.841	173	511	0.342	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	1166	0.425	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	40143	17.633	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	40143	34.745	ug/l #	13
88) 1,2-Dibromo-3-Chloropr...	14.441	75	340	0.641	ug/l #	5
91) Naphthalene	15.635	128	1677	0.251	ug/l #	69

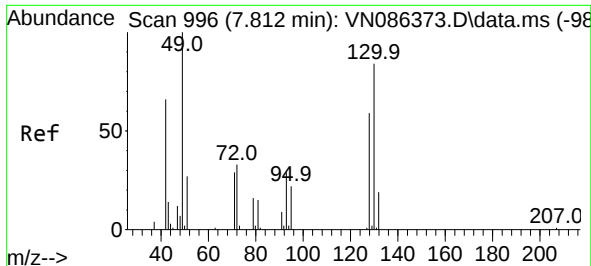
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086386.D
Acq On : 23 Apr 2025 16:48
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Apr 24 05:01:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

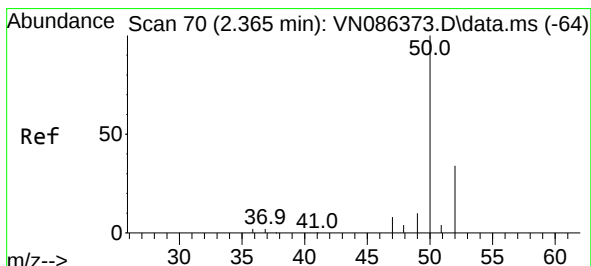
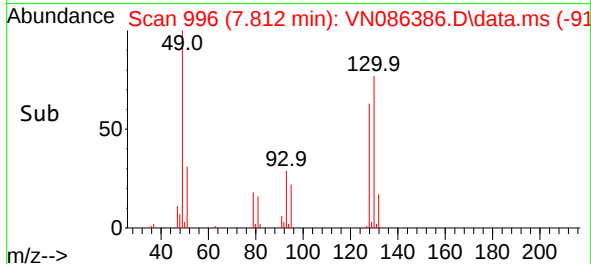
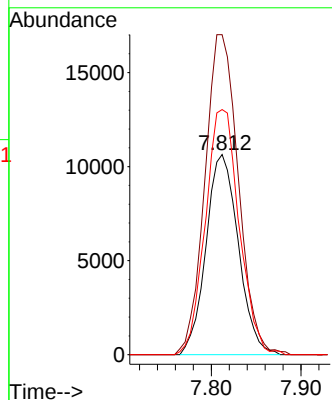
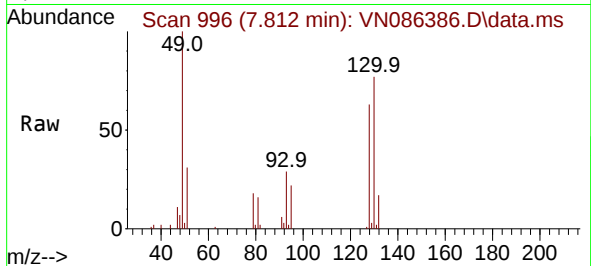




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086386.D
Acq: 23 Apr 2025 16:48

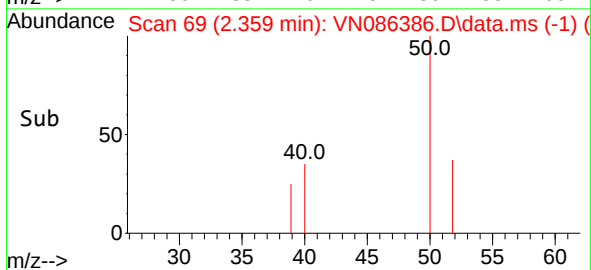
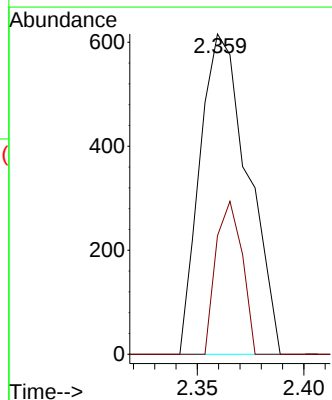
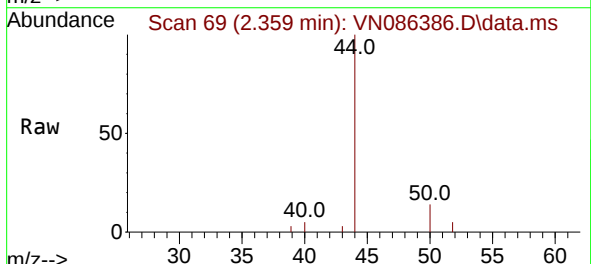
Instrument :
MSVOA_N
ClientSampleId :
IBLK

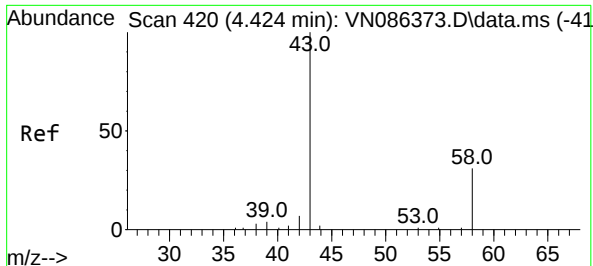
Tgt Ion:128 Resp: 26647
Ion Ratio Lower Upper
128 100
49 165.4 0.0 433.8
130 127.6 0.0 325.0



#3
Chloromethane
Concen: 0.369 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN086386.D
Acq: 23 Apr 2025 16:48

Tgt Ion: 50 Resp: 965
Ion Ratio Lower Upper
50 100
52 37.0 27.3 40.9





#15

Acetone

Concen: 0.781 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN086386.D

Acq: 23 Apr 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

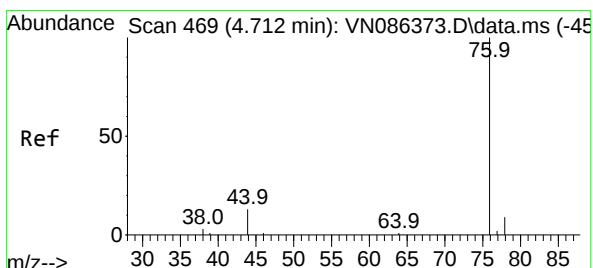
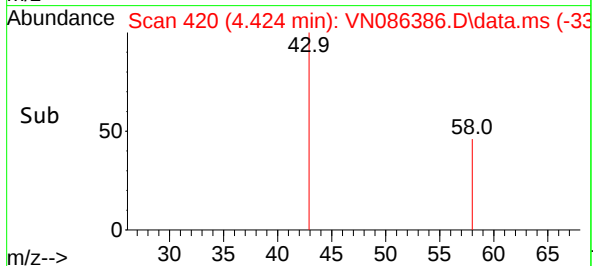
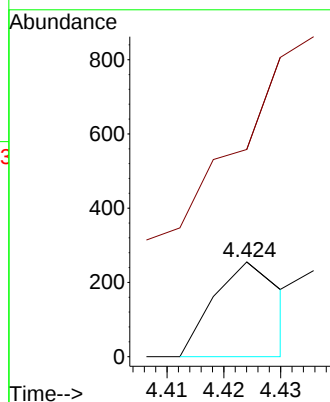
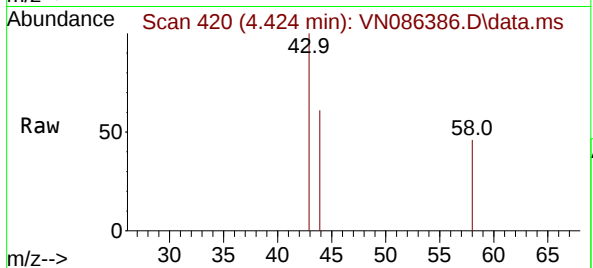
IBLK

Tgt Ion: 58 Resp: 211

Ion Ratio Lower Upper

58 100

43 82.7 255.1 382.7#



#16

Carbon Disulfide

Concen: 0.287 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086386.D

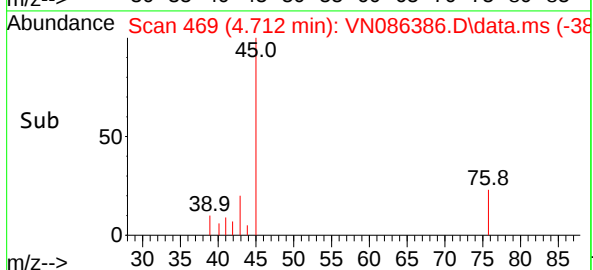
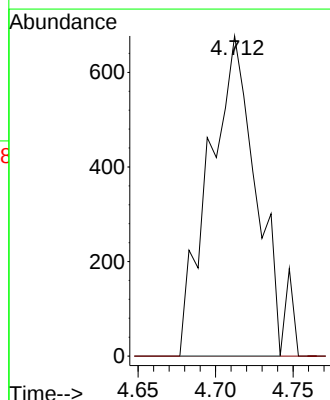
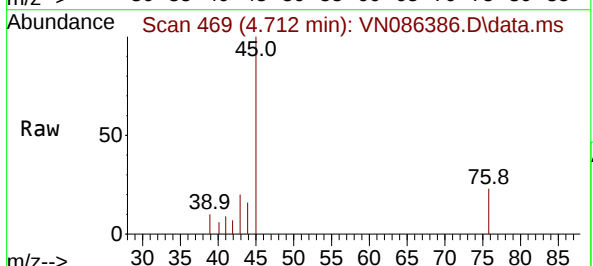
Acq: 23 Apr 2025 16:48

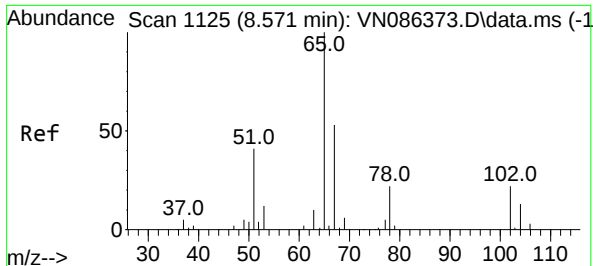
Tgt Ion: 76 Resp: 1406

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

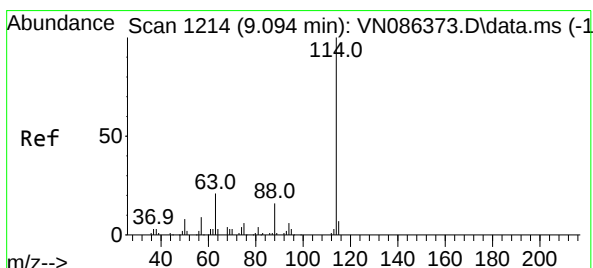
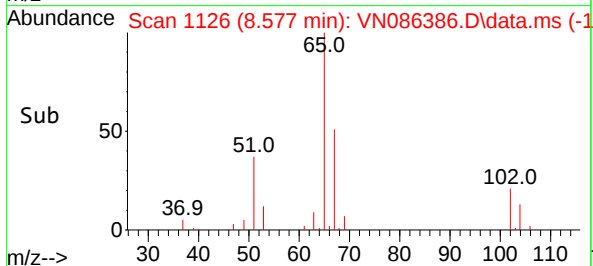
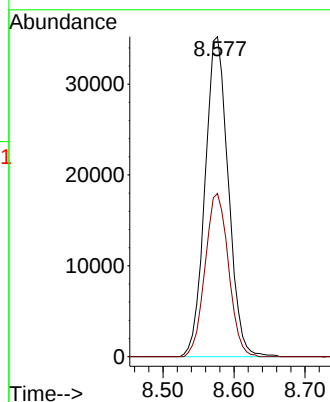
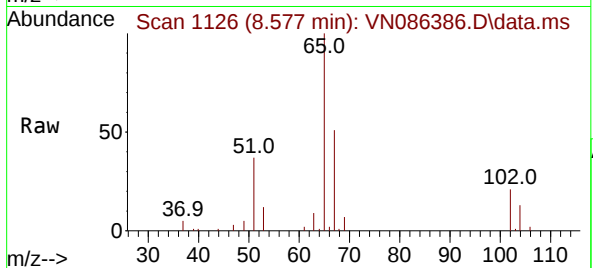




#27
1,2-Dichloroethane-d4
Concen: 31.223 ug/l
RT: 8.577 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VN086386.D
Acq: 23 Apr 2025 16:48

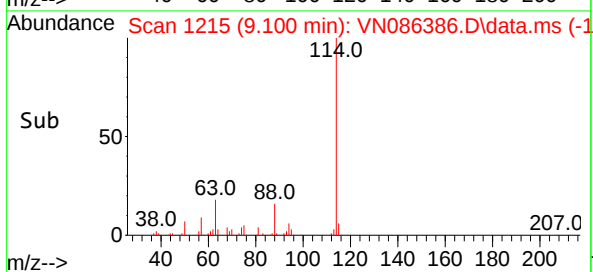
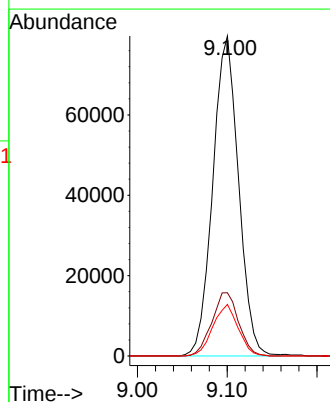
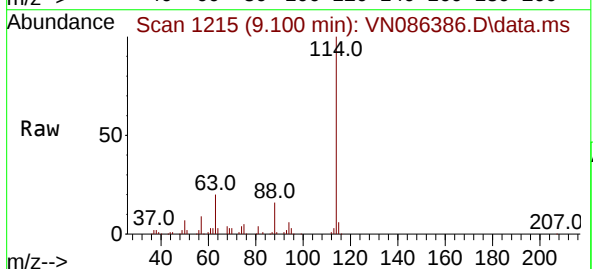
Instrument :
MSVOA_N
ClientSampleId :
IBLK

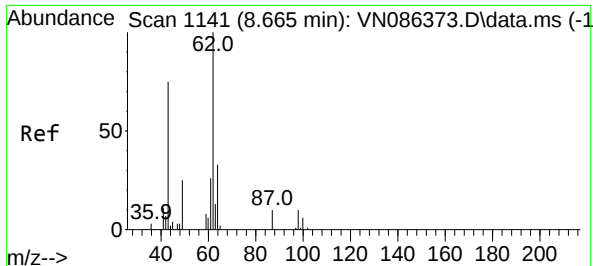
Tgt Ion: 65 Resp: 80216
Ion Ratio Lower Upper
65 100
67 51.3 42.5 63.7



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN086386.D
Acq: 23 Apr 2025 16:48

Tgt Ion: 114 Resp: 158684
Ion Ratio Lower Upper
114 100
63 20.4 16.7 25.1
88 15.8 12.6 19.0





#36

1,2-Dichloroethane

Concen: 2.030 ug/l

RT: 9.100 min Scan# 1141

Delta R.T. 0.435 min

Lab File: VN086386.D

Acq: 23 Apr 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

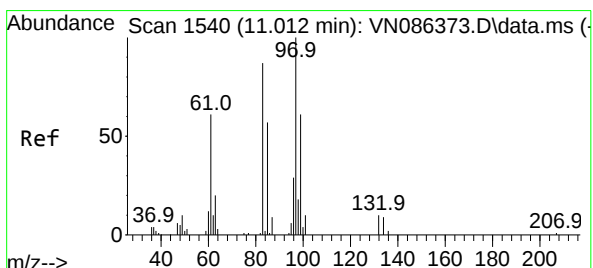
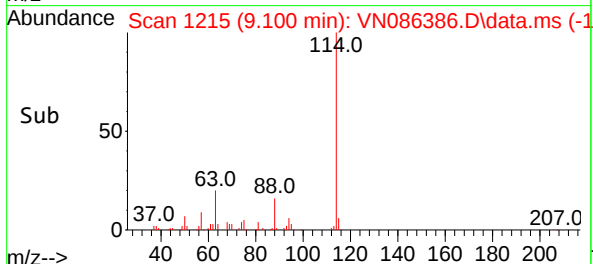
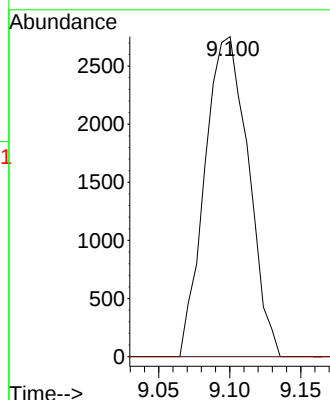
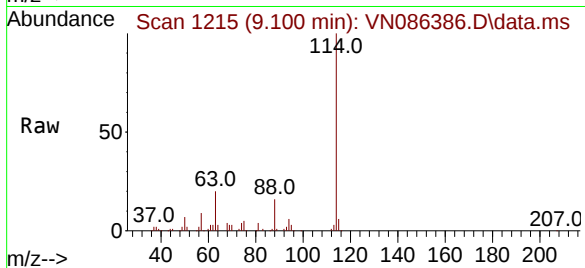
IBLK

Tgt Ion: 62 Resp: 5865

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#



#50

1,1,2-Trichloroethane

Concen: 3.565 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.441 min

Lab File: VN086386.D

Acq: 23 Apr 2025 16:48

Tgt Ion: 97 Resp: 7320

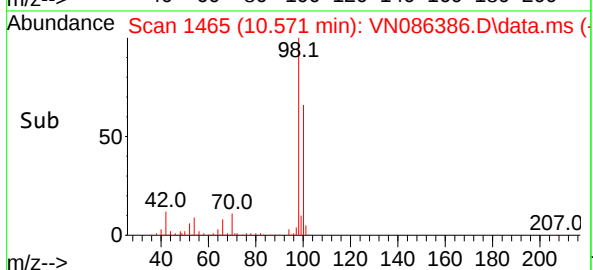
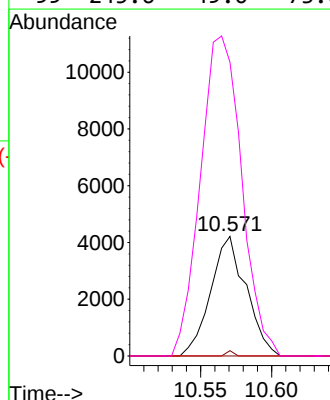
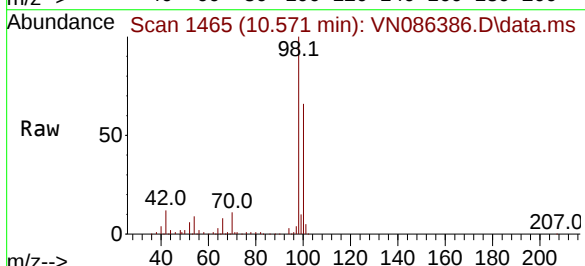
Ion Ratio Lower Upper

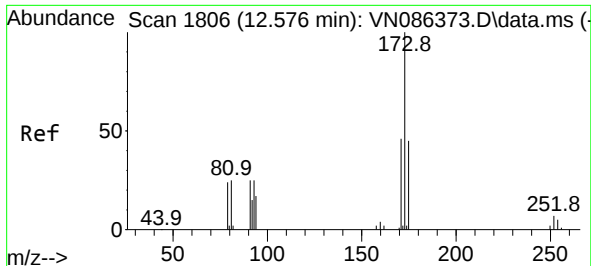
97 100

83 4.5 69.3 103.9#

85 0.0 45.5 68.3#

99 245.6 49.0 73.6#

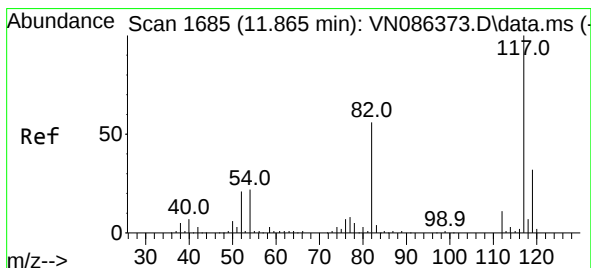
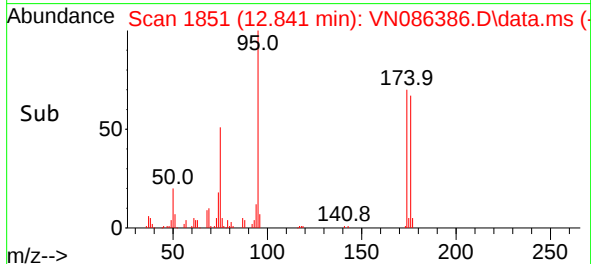
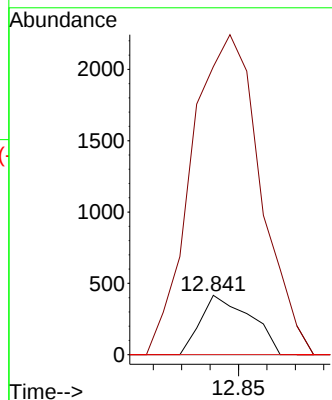
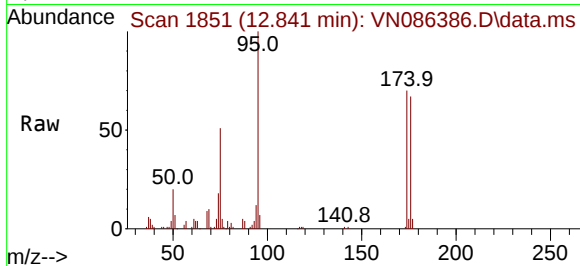




#56
Bromoform
Concen: 0.342 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086386.D
Acq: 23 Apr 2025 16:48

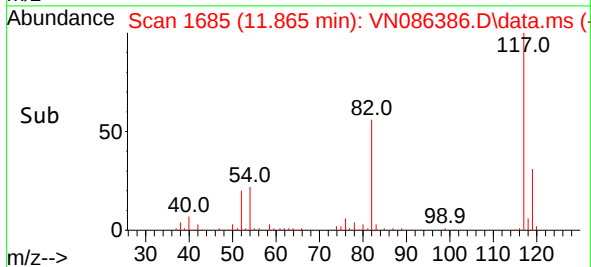
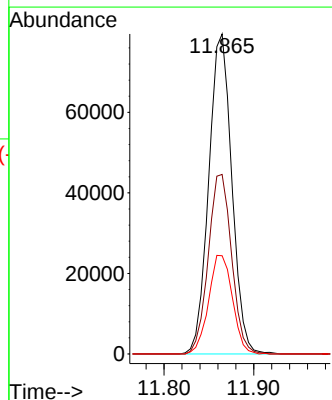
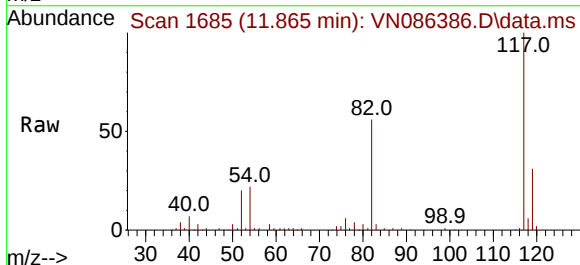
Instrument :
MSVOA_N
ClientSampleId :
IBLK

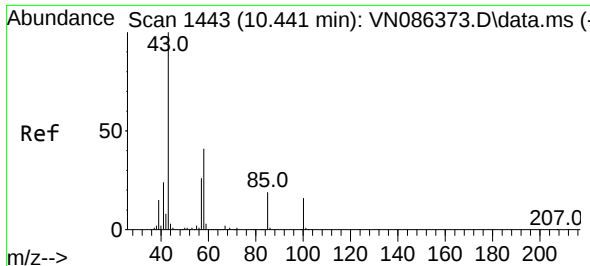
Tgt Ion	Ratio	Lower	Upper
173	100		
175	743.6	39.0	58.6#
254	0.0	3.8	5.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086386.D
Acq: 23 Apr 2025 16:48

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.5	68.3
119	31.8	25.9	38.9

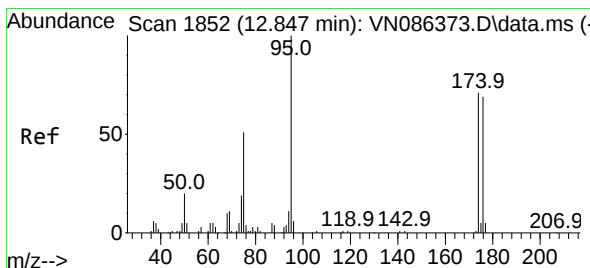
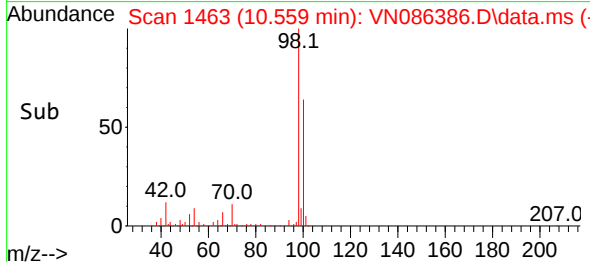
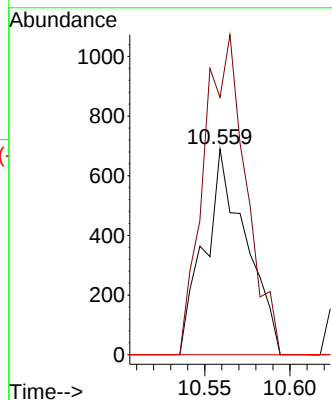
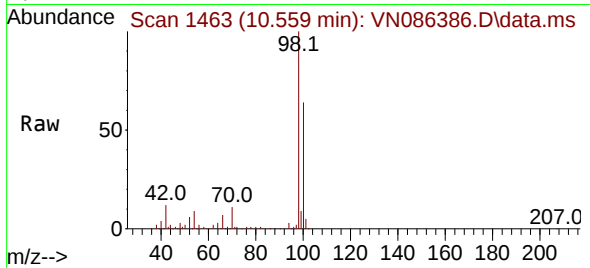




#58
4-Methyl-2-Pentanone
Concen: 0.425 ug/l
RT: 10.559 min Scan# 1443
Delta R.T. 0.118 min
Lab File: VN086386.D
Acq: 23 Apr 2025 16:48

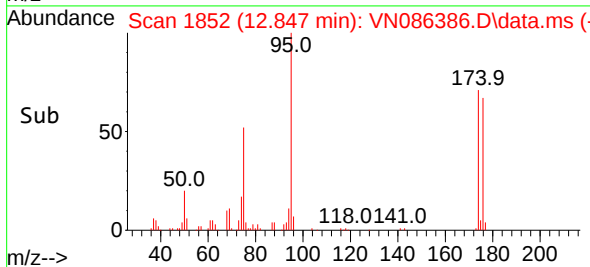
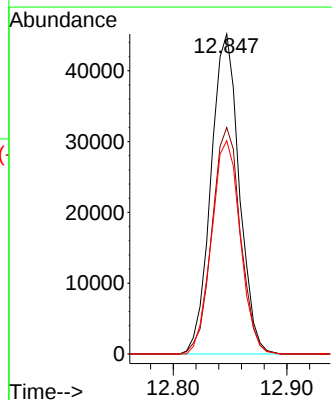
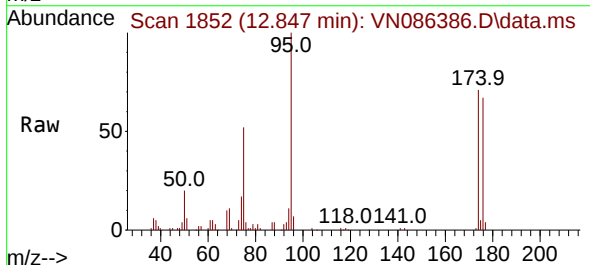
Instrument :
MSVOA_N
ClientSampleId :
IBLK

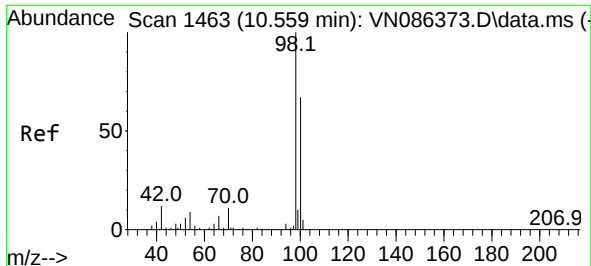
Tgt Ion: 43 Resp: 1166
Ion Ratio Lower Upper
43 100
58 158.7 33.0 49.6#
85 0.0 14.9 22.3#



#60
4-Bromofluorobenzene
Concen: 27.991 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086386.D
Acq: 23 Apr 2025 16:48

Tgt Ion: 95 Resp: 78085
Ion Ratio Lower Upper
95 100
174 71.2 56.6 84.8
176 67.8 53.3 79.9

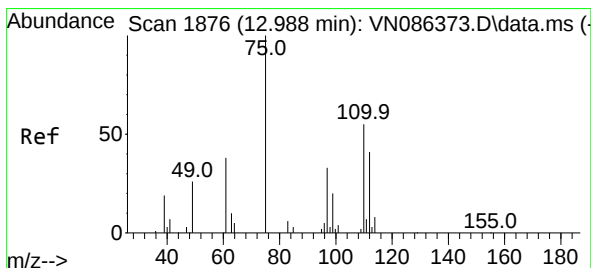
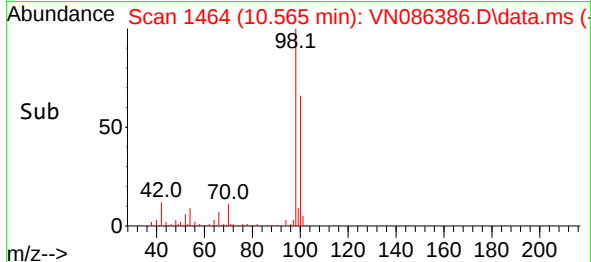
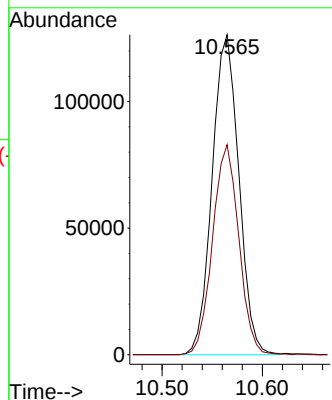
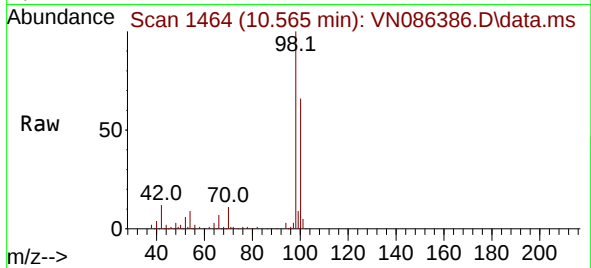




#63
Toluene-d8
Concen: 29.896 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086386.D
Acq: 23 Apr 2025 16:48

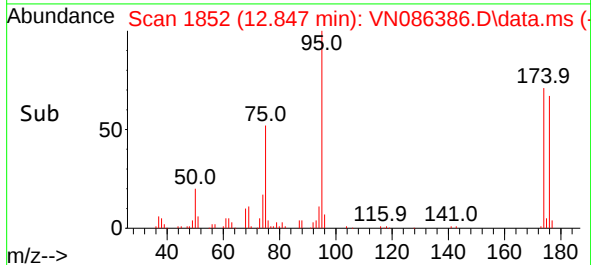
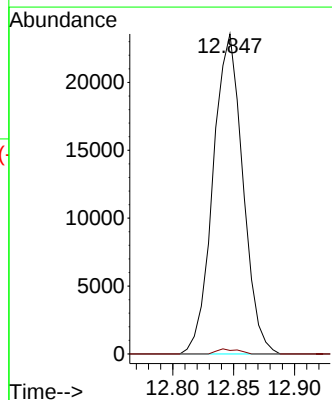
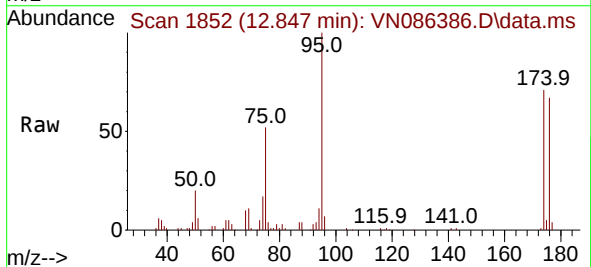
Instrument :
MSVOA_N
ClientSampleId :
IBLK

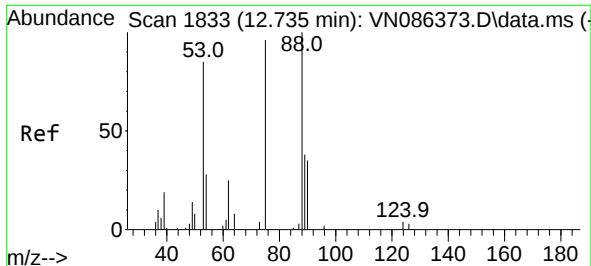
Tgt Ion: 98 Resp: 233439
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7



#72
1,2,3-Trichloropropane
Concen: 17.633 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086386.D
Acq: 23 Apr 2025 16:48

Tgt Ion: 75 Resp: 40143
Ion Ratio Lower Upper
75 100
77 1.1 0.0 464.4





#77

t-1,4-Dichloro-2-butene

Concen: 34.745 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN086386.D

Acq: 23 Apr 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

IBLK

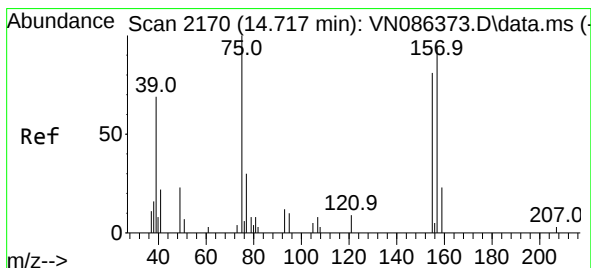
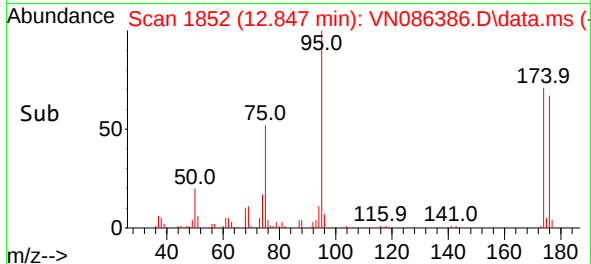
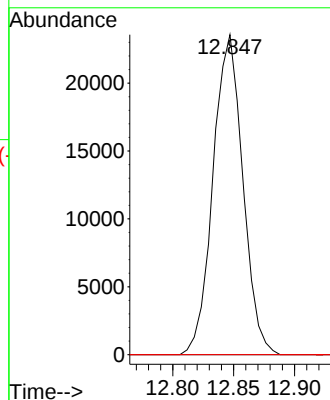
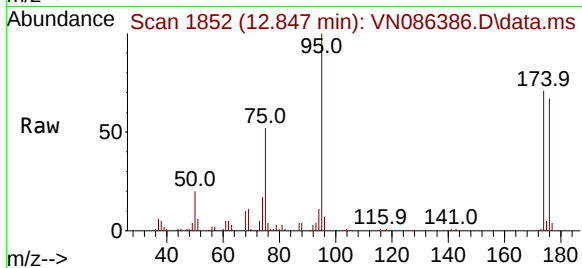
Tgt Ion: 75 Resp: 40143

Ion Ratio Lower Upper

75 100

53 0.0 46.0 138.0#

89 0.0 21.6 64.6#



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.641 ug/l

RT: 14.441 min Scan# 2123

Delta R.T. -0.276 min

Lab File: VN086386.D

Acq: 23 Apr 2025 16:48

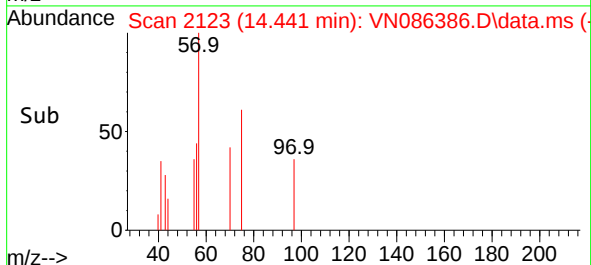
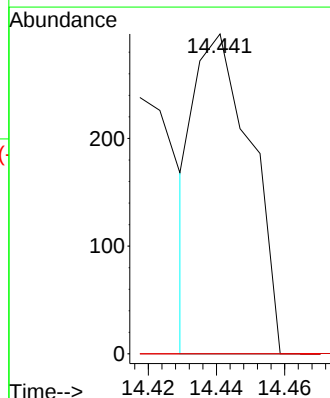
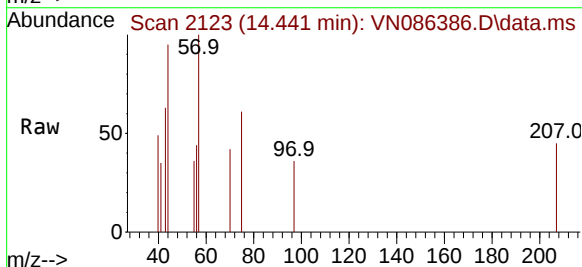
Tgt Ion: 75 Resp: 340

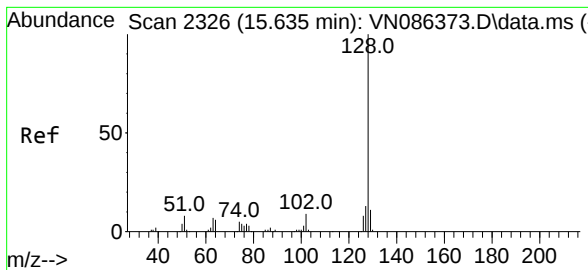
Ion Ratio Lower Upper

75 100

155 0.0 64.0 96.0#

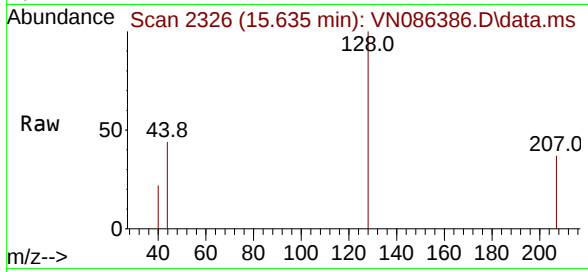
157 0.0 78.2 117.4#





#91
 Naphthalene
 Concen: 0.251 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN086386.D
 Acq: 23 Apr 2025 16:48

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:128 Resp: 1677

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.7	13.1#

