

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
 Data File : VN085196.D
 Acq On : 13 Dec 2024 15:04
 Operator : JC\MD
 Sample : P5270-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 23:34:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

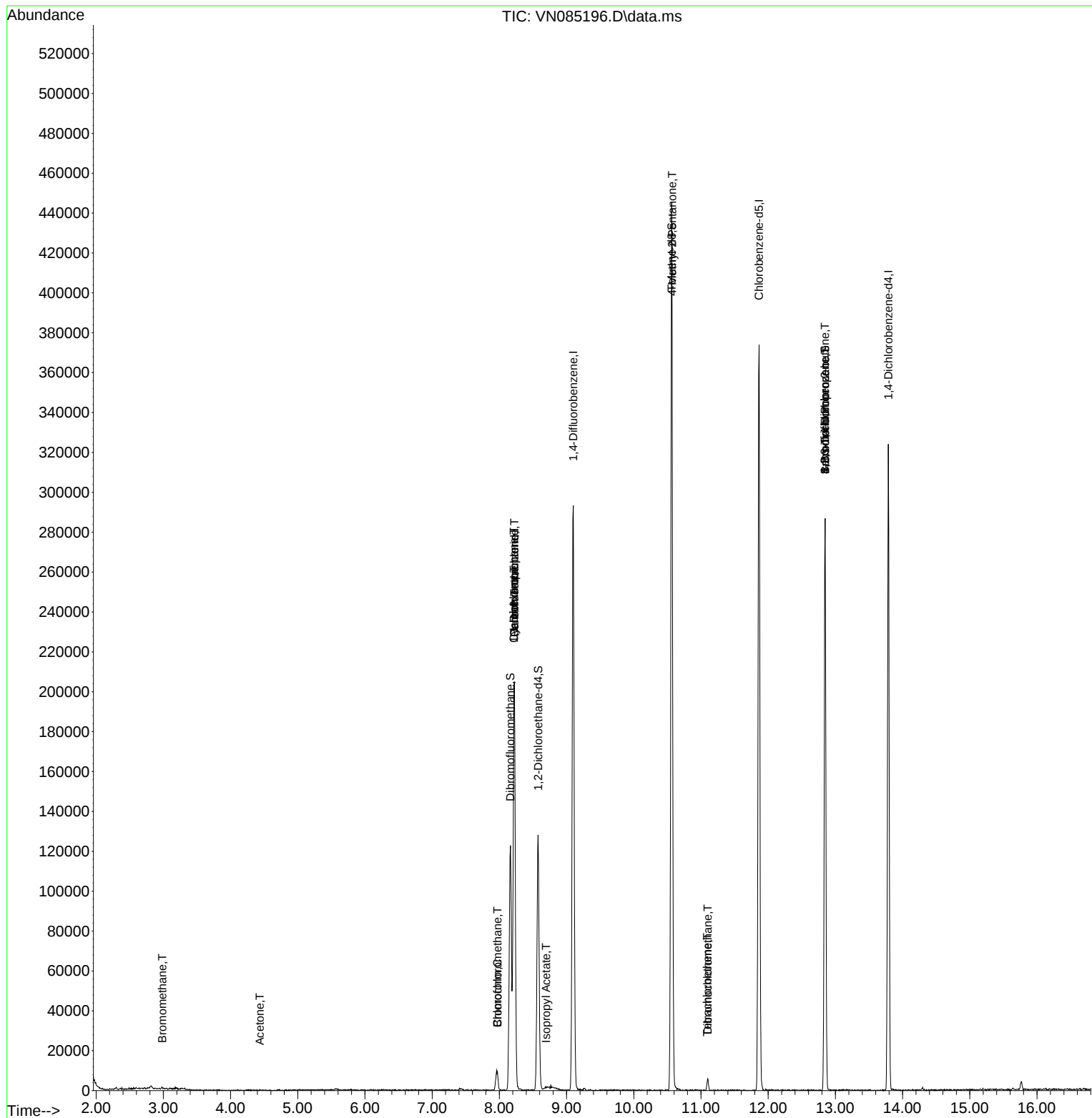
Internal Standards						
1) Pentafluorobenzene	8.224	168	147414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	254847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	86352	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106179	50.566	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.140%	
35) Dibromofluoromethane	8.165	113	87803	51.090	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.180%	
50) Toluene-d8	10.565	98	300598	48.806	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.620%	
62) 4-Bromofluorobenzene	12.847	95	100411	43.595	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 87.180%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.983	94	279	0.287	ug/l #	74
16) Acetone	4.436	43	156	0.255	ug/l #	43
18) Methyl Acetate	5.018	43	56	Below Cal	#	50
28) Bromochloromethane	7.971	49	717	0.598	ug/l #	14
30) Chloroform	7.971	83	10194	3.017	ug/l	86
31) Cyclohexane	8.218	56	3414	1.221	ug/l #	43
36) 1,1-Dichloropropene	8.218	75	12477	5.360	ug/l #	49
38) Carbon Tetrachloride	8.224	117	16468	6.129	ug/l #	15
43) Isopropyl Acetate	8.694	43	1370	0.312	ug/l #	55
51) 4-Methyl-2-Pentanone	10.571	43	1177	0.586	ug/l #	1
60) Dibromochloromethane	11.100	129	1334	0.672	ug/l #	10
64) Tetrachloroethene	11.094	164	1547	1.031	ug/l #	56
71) Bromoform	12.847	173	905	0.686	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	52276	33.282	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	52276	73.473	ug/l #	10

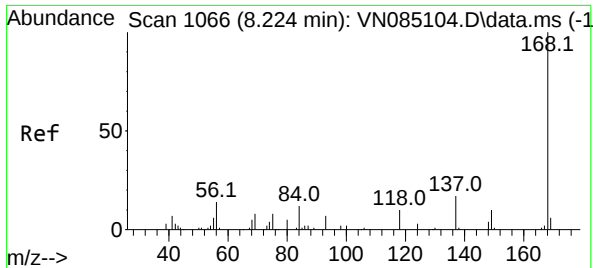
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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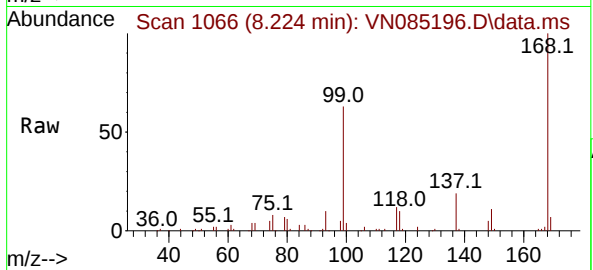
Quant Time: Dec 13 23:34:39 2024
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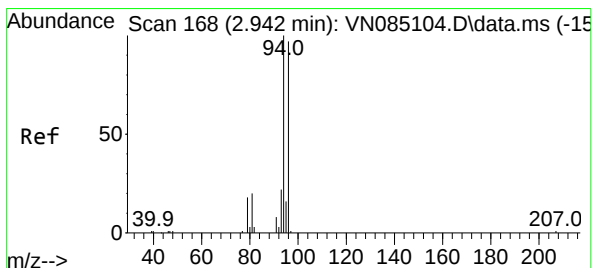
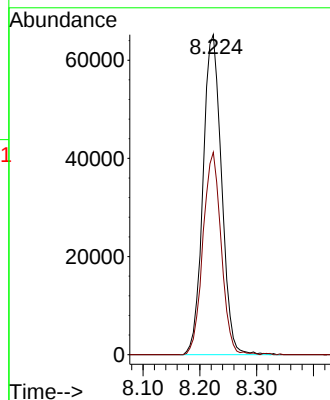
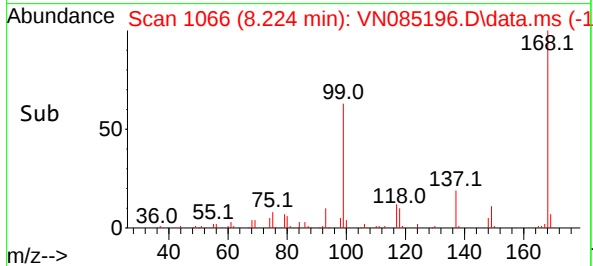


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

Instrument :
MSVOA_N
ClientSampleId :

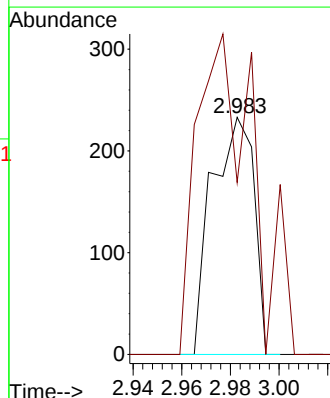
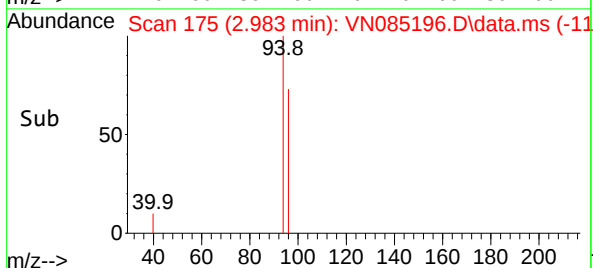
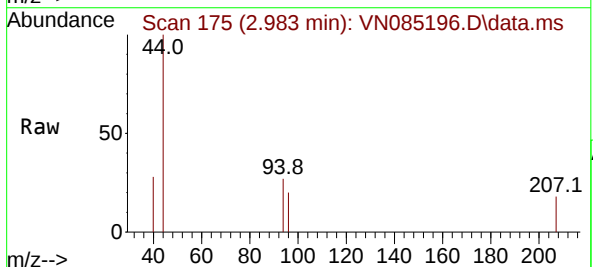


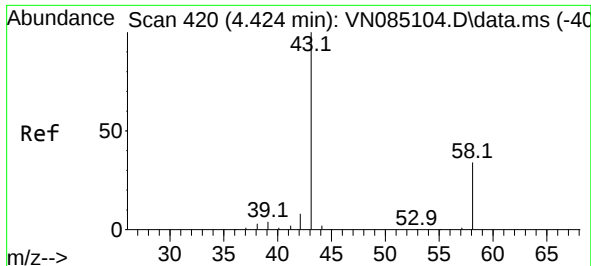
Tgt Ion:168 Resp: 147414
Ion Ratio Lower Upper
168 100
99 63.3 51.2 76.8



#5
Bromomethane
Concen: 0.287 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.082 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

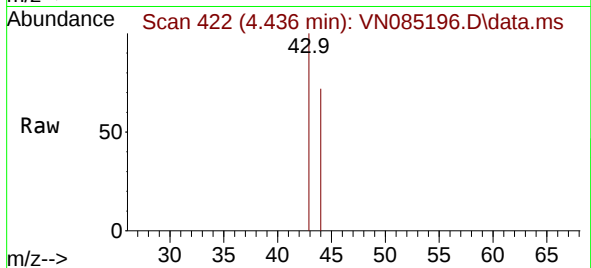
Tgt Ion: 94 Resp: 279
Ion Ratio Lower Upper
94 100
96 72.5 78.7 118.1#



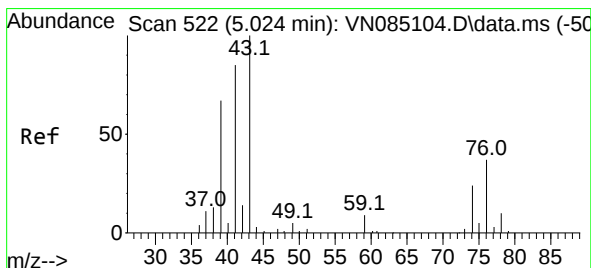
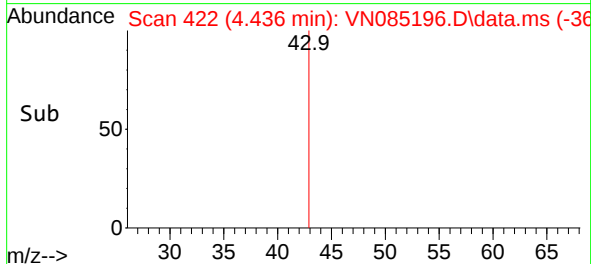
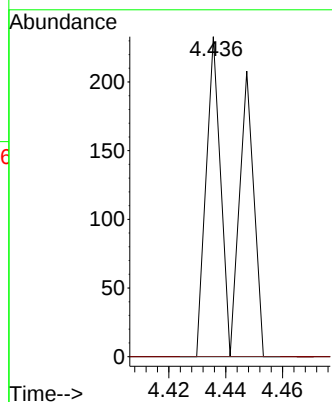


#16
Acetone
Concen: 0.255 ug/l
RT: 4.436 min Scan# 43
Delta R.T. 0.012 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

Instrument :
MSVOA_N
ClientSampleId :

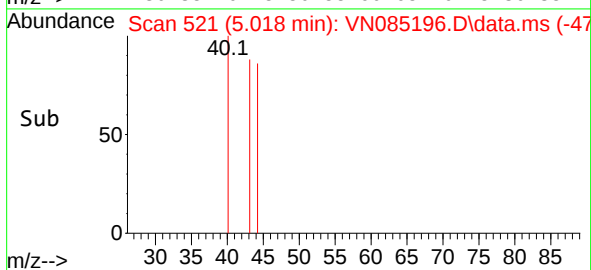
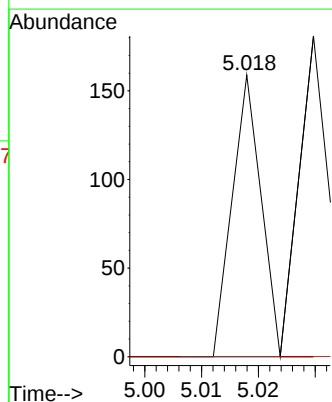
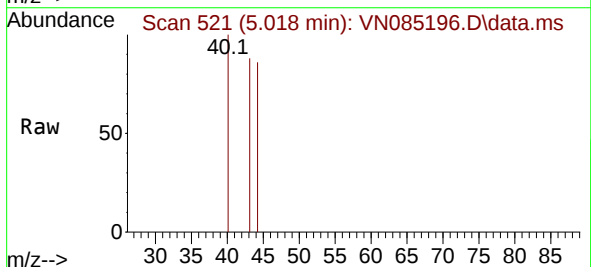


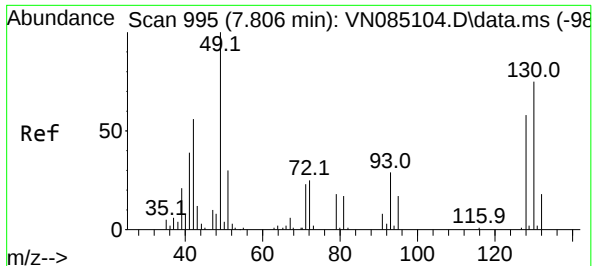
Tgt Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#





#28

Bromochloromethane

Concen: 0.598 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.165 min

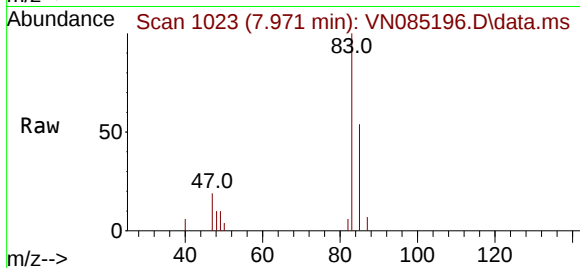
Lab File: VN085196.D

Acq: 13 Dec 2024 15:04

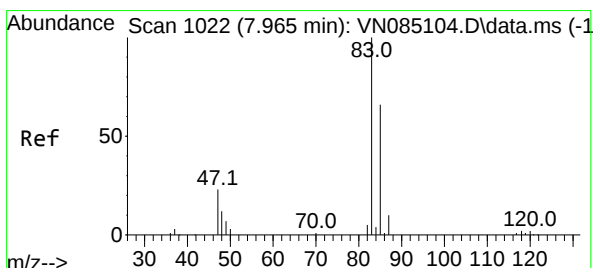
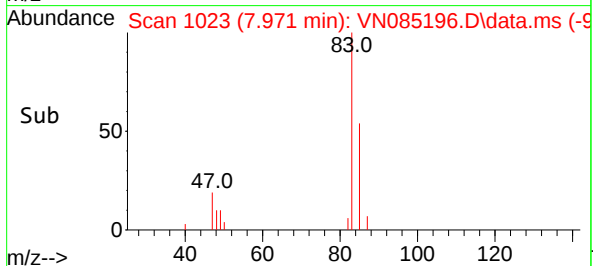
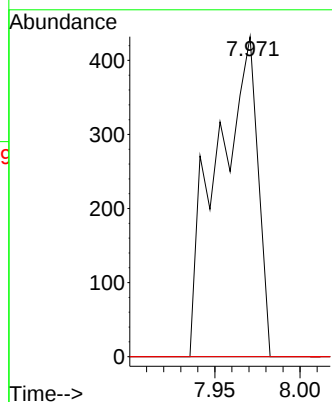
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	49	Resp:	717
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	4.0
130	0.0	60.6	90.8



#30

Chloroform

Concen: 3.017 ug/l

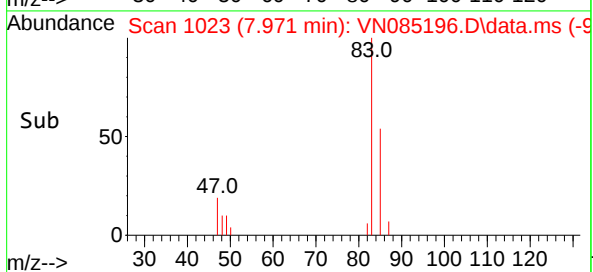
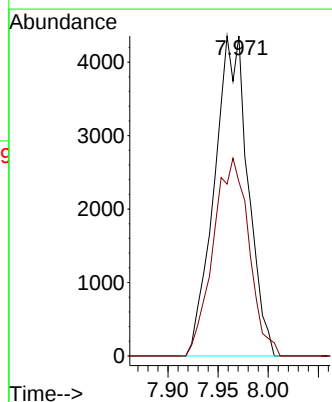
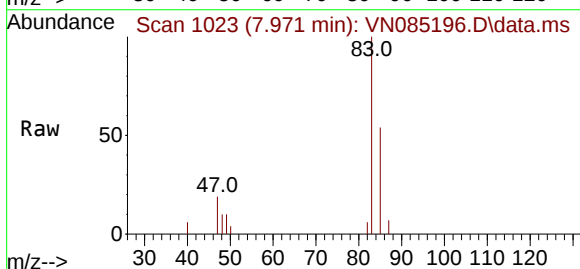
RT: 7.971 min Scan# 1023

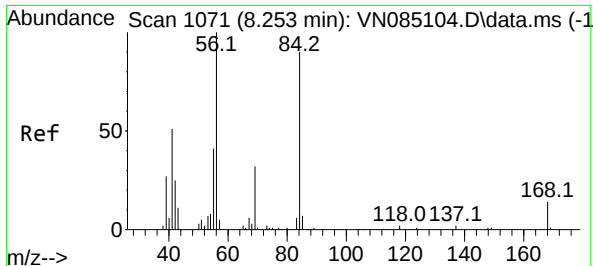
Delta R.T. 0.012 min

Lab File: VN085196.D

Acq: 13 Dec 2024 15:04

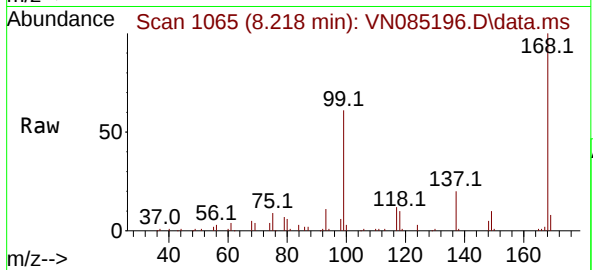
Tgt Ion:	83	Resp:	10194
Ion Ratio	Lower	Upper	
83	100		
85	54.4	52.6	78.8



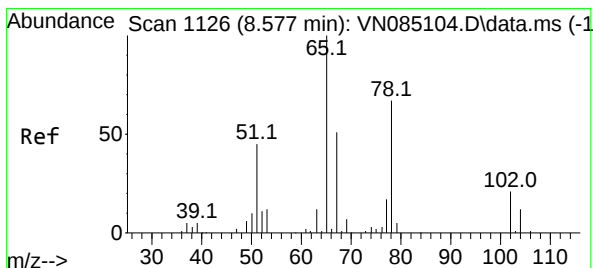
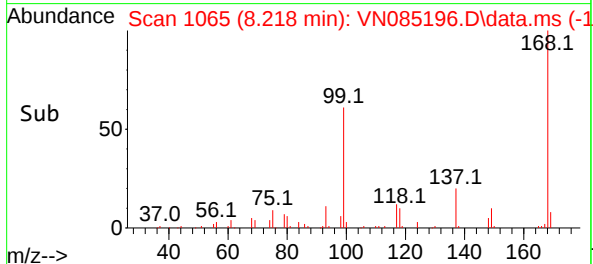
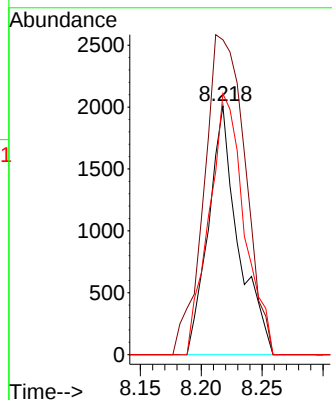


#31
Cyclohexane
Concen: 1.221 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.036 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

Instrument :
MSVOA_N
ClientSampleId :

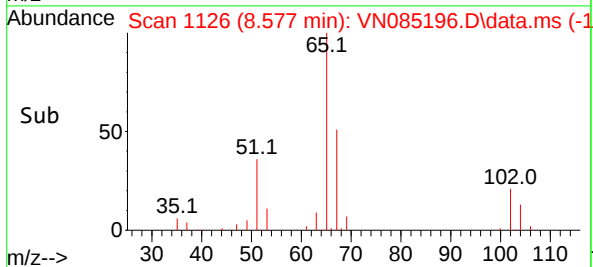
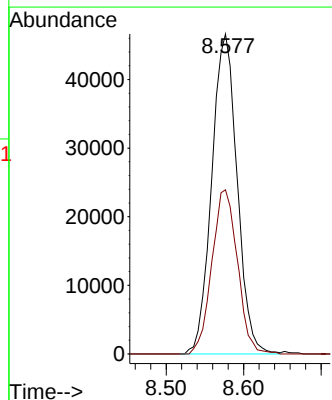
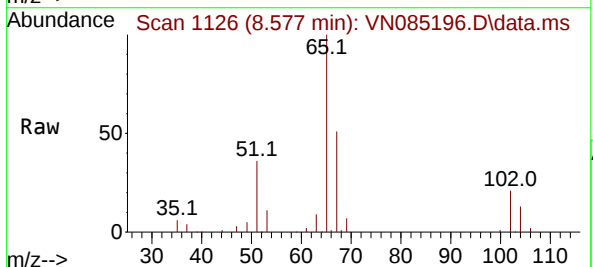


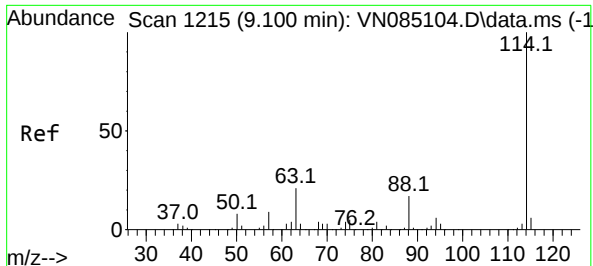
Tgt Ion: 56 Resp: 3414
Ion Ratio Lower Upper
56 100
69 126.6 24.6 36.8#
84 104.9 71.4 107.2



#33
1,2-Dichloroethane-d4
Concen: 50.566 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

Tgt Ion: 65 Resp: 106179
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085196.D

Acq: 13 Dec 2024 15:04

Instrument :

MSVOA_N

ClientSampleId :

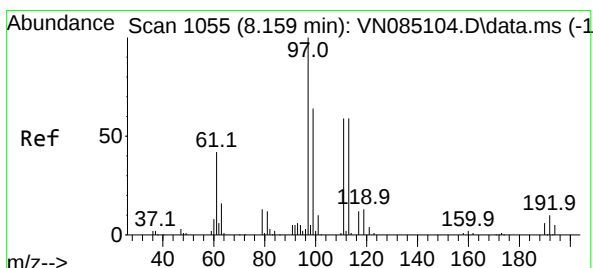
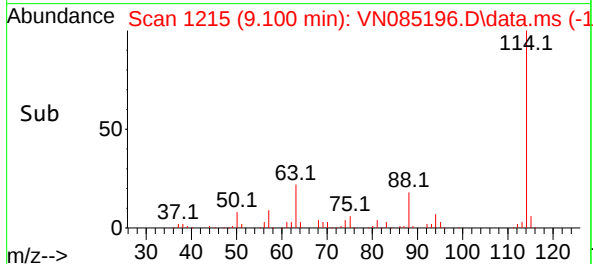
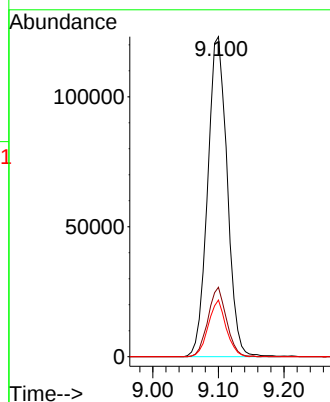
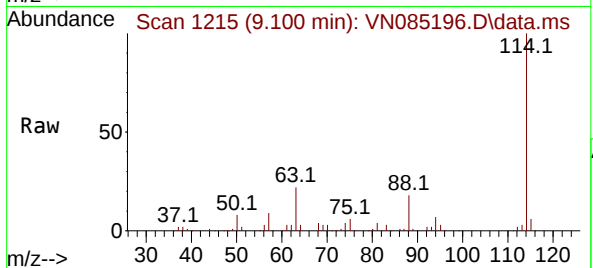
Tgt Ion:114 Resp: 254847

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.0

88 17.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.090 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085196.D

Acq: 13 Dec 2024 15:04

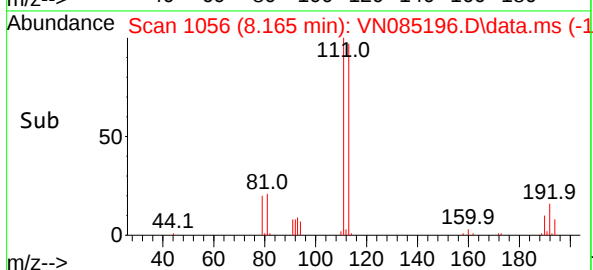
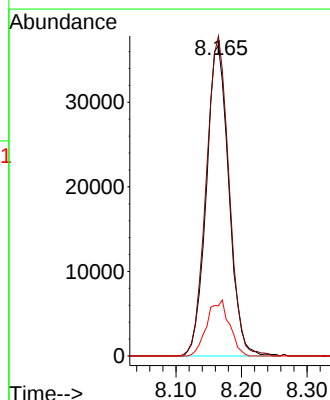
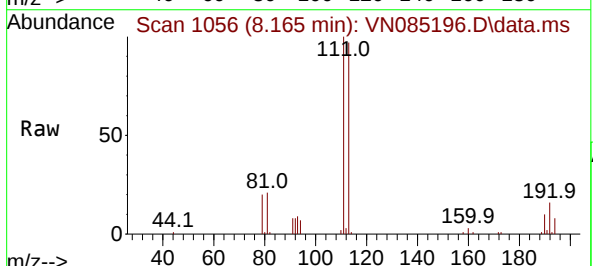
Tgt Ion:113 Resp: 87803

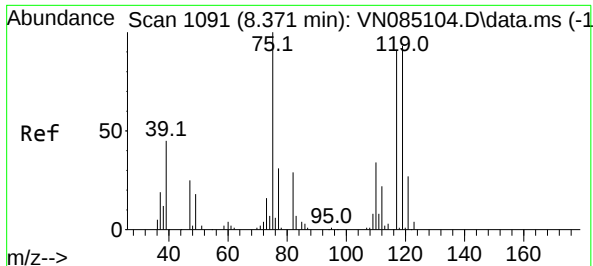
Ion Ratio Lower Upper

113 100

111 103.9 82.0 123.0

192 18.0 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.360 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085196.D

Acq: 13 Dec 2024 15:04

Instrument :

MSVOA_N

ClientSampleId :

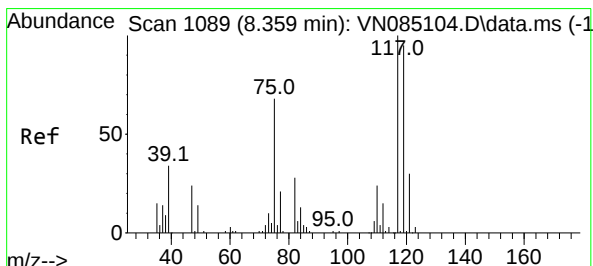
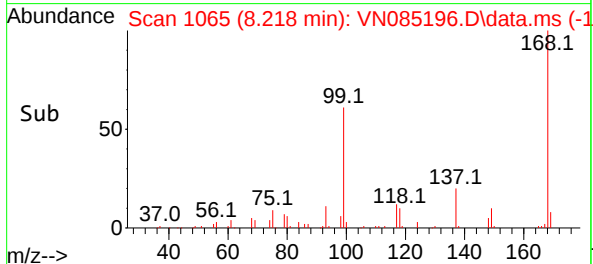
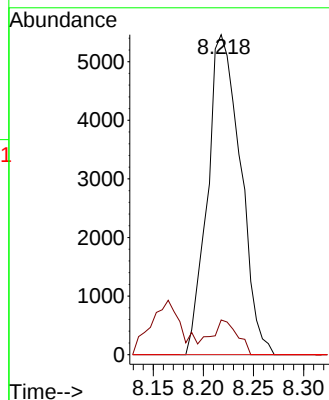
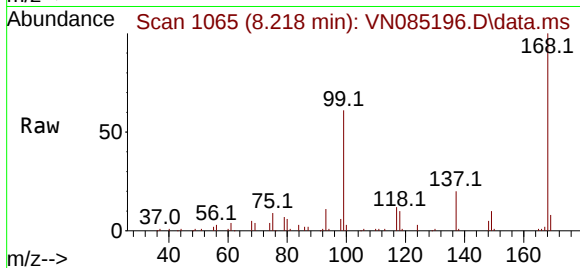
Tgt Ion: 75 Resp: 12477

Ion Ratio Lower Upper

75 100

110 7.8 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.129 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.130 min

Lab File: VN085196.D

Acq: 13 Dec 2024 15:04

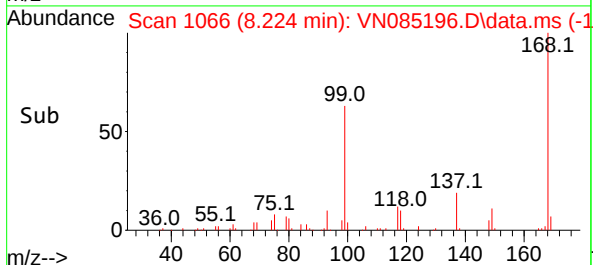
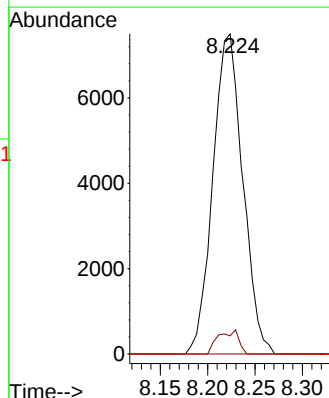
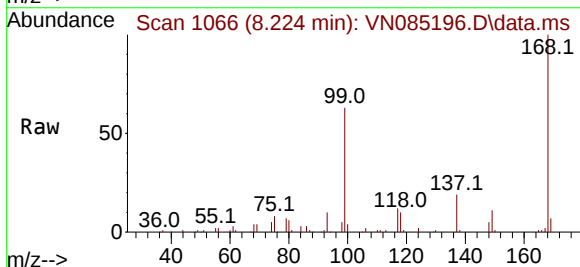
Tgt Ion: 117 Resp: 16468

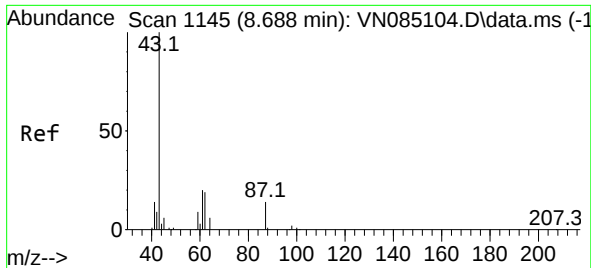
Ion Ratio Lower Upper

117 100

119 5.7 78.6 117.8#

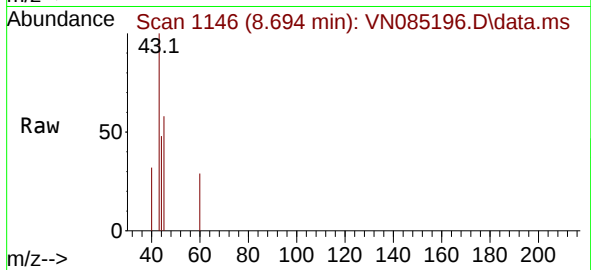
121 0.0 24.2 36.2#



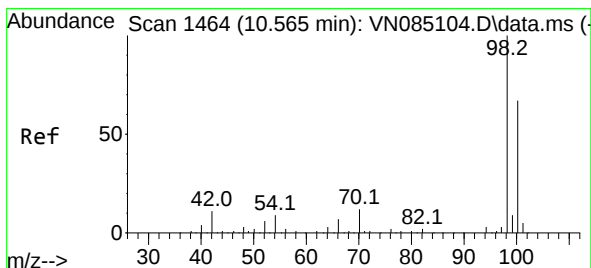
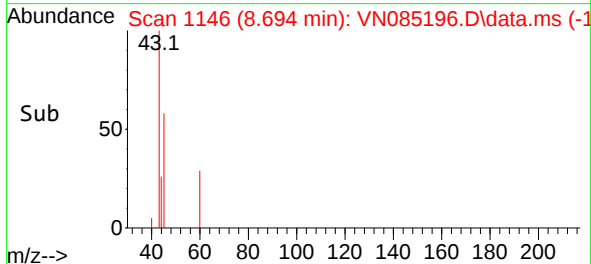
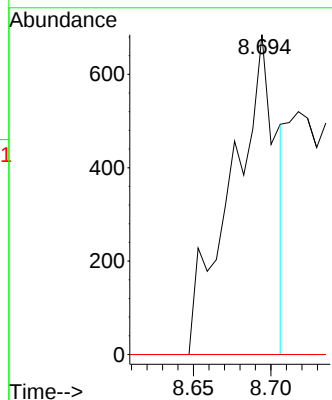


#43
Isopropyl Acetate
Concen: 0.312 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

Instrument :
MSVOA_N
ClientSampleId :

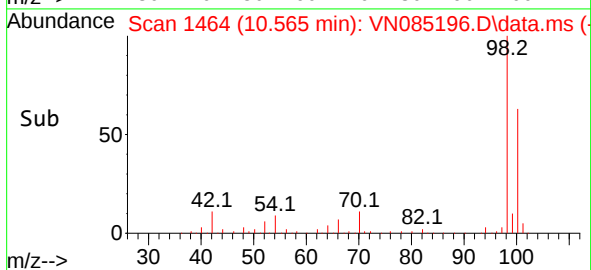
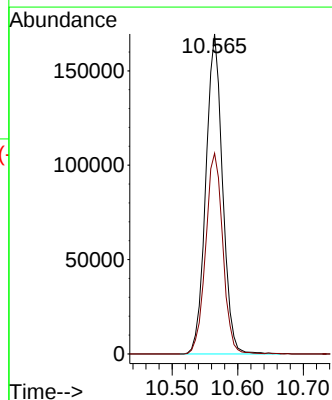
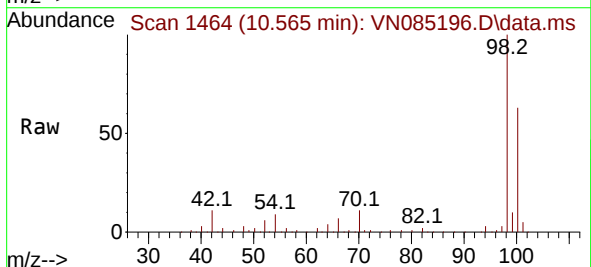


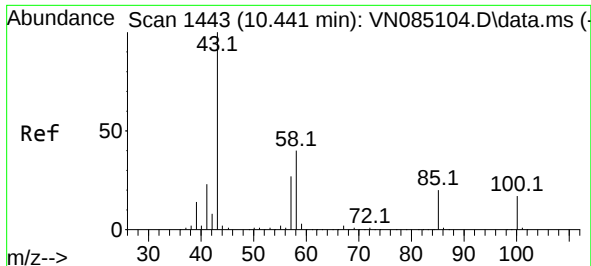
Tgt Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
61 0.0 20.6 30.8#
87 0.0 11.0 16.4#



#50
Toluene-d8
Concen: 48.806 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

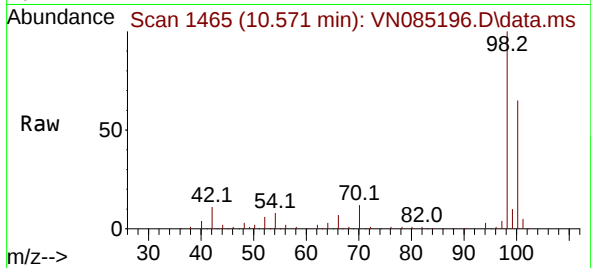
Tgt Ion: 98 Resp: 300598
Ion Ratio Lower Upper
98 100
100 64.3 52.5 78.7



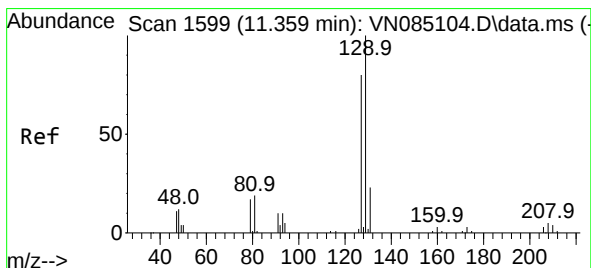
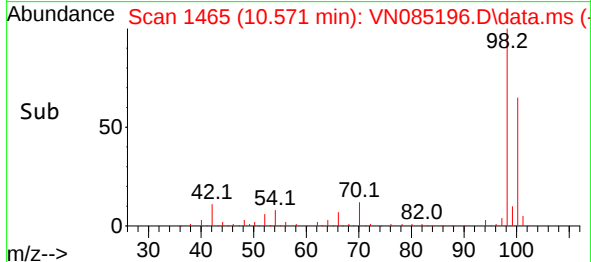
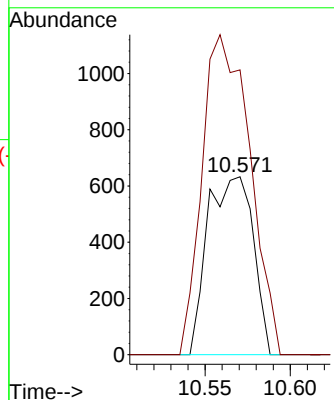


#51
 4-Methyl-2-Pentanone
 Concen: 0.586 ug/l
 RT: 10.571 min Scan# 1443
 Delta R.T. 0.129 min
 Lab File: VN085196.D
 Acq: 13 Dec 2024 15:04

Instrument :
 MSVOA_N
 ClientSampleId :

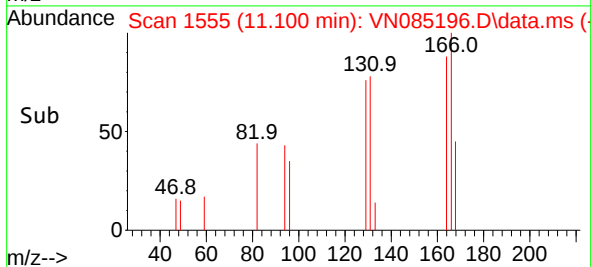
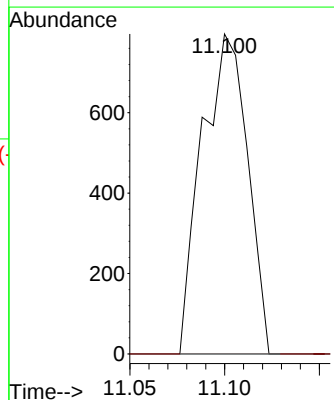
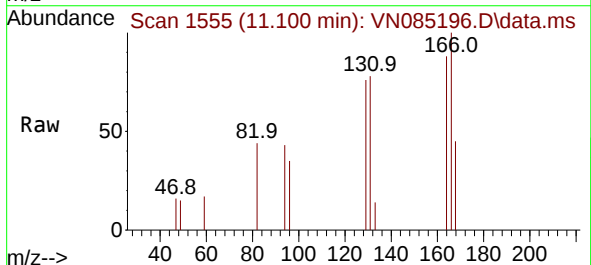


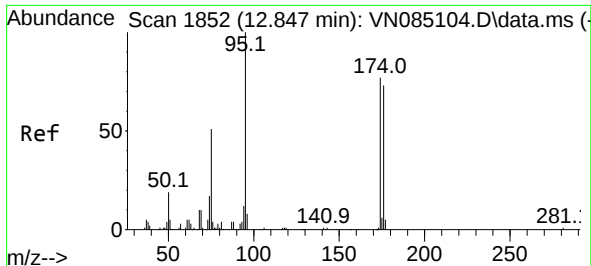
Tgt Ion: 43 Resp: 1177
 Ion Ratio Lower Upper
 43 100
 58 188.8 32.1 48.1#



#60
 Dibromochloromethane
 Concen: 0.672 ug/l
 RT: 11.100 min Scan# 1555
 Delta R.T. -0.259 min
 Lab File: VN085196.D
 Acq: 13 Dec 2024 15:04

Tgt Ion: 129 Resp: 1334
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.2 117.6#

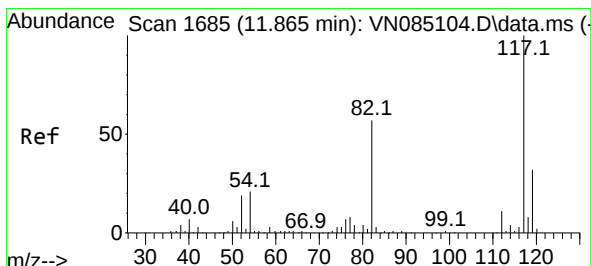
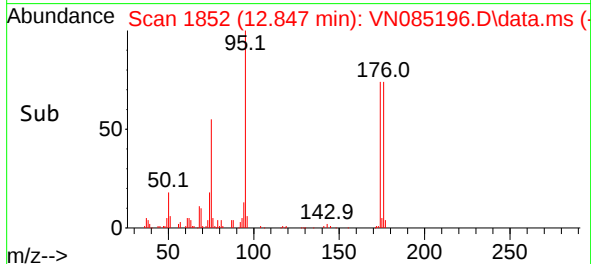
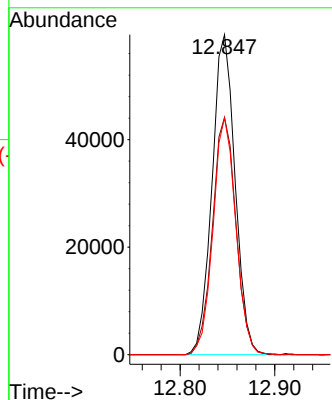
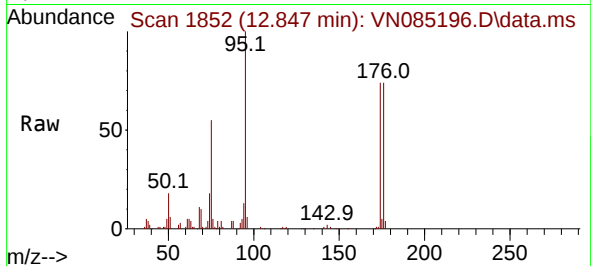




#62
4-Bromofluorobenzene
Concen: 43.595 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

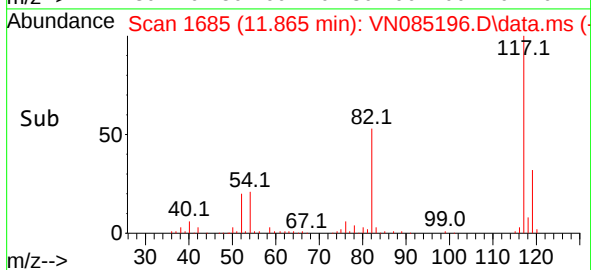
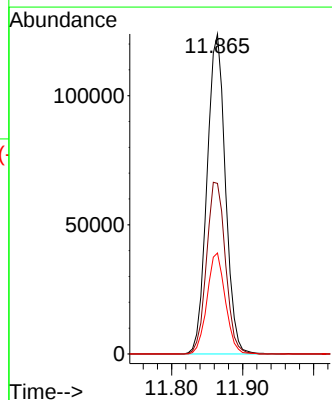
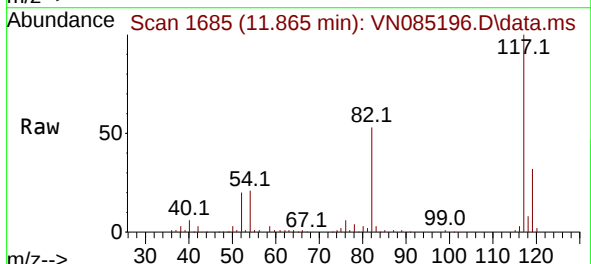
Instrument :
MSVOA_N
ClientSampleId :

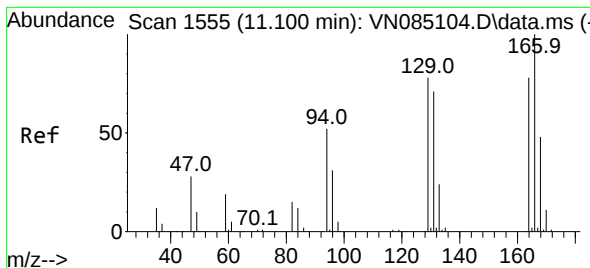
Tgt Ion: 95 Resp: 100411
Ion Ratio Lower Upper
95 100
174 75.7 0.0 146.6
176 73.2 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

Tgt Ion: 117 Resp: 222652
Ion Ratio Lower Upper
117 100
82 53.3 46.0 69.0
119 31.6 25.6 38.4





#64

Tetrachloroethene

Concen: 1.031 ug/l

RT: 11.094 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN085196.D

Acq: 13 Dec 2024 15:04

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:164 Resp: 1547

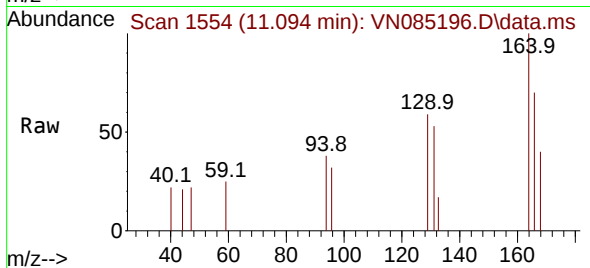
Ion Ratio Lower Upper

164 100

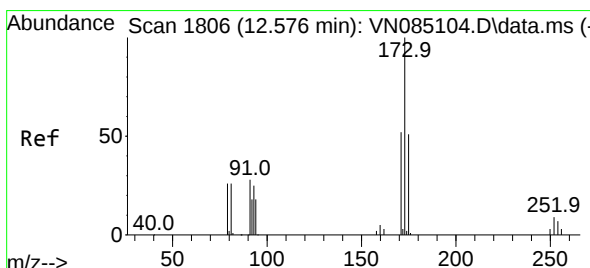
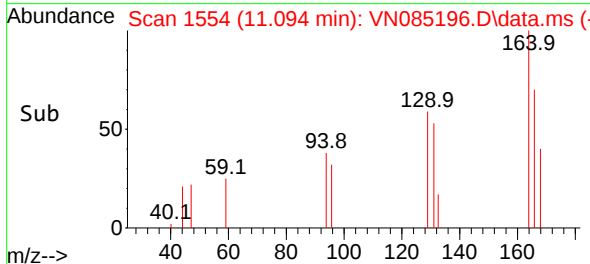
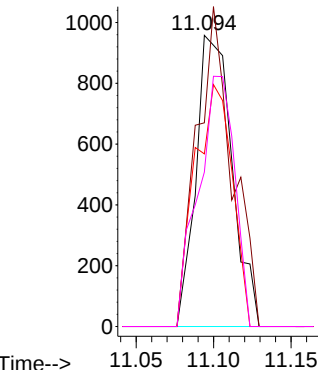
166 69.9 100.6 151.0#

129 59.3 77.7 116.5#

131 53.0 77.2 115.8#



Abundance



#71

Bromoform

Concen: 0.686 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.270 min

Lab File: VN085196.D

Acq: 13 Dec 2024 15:04

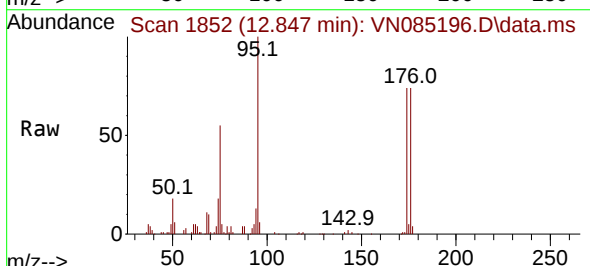
Tgt Ion:173 Resp: 905

Ion Ratio Lower Upper

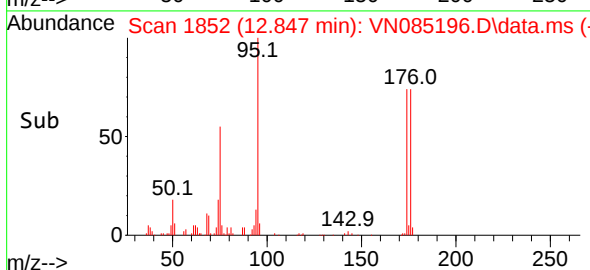
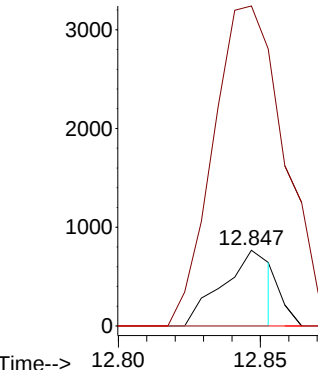
173 100

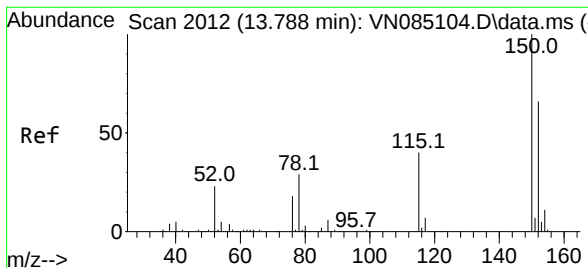
175 501.9 23.8 71.2#

254 0.0 0.0 0.0



Abundance





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085196.D

Acq: 13 Dec 2024 15:04

Instrument :

MSVOA_N

ClientSampleId :

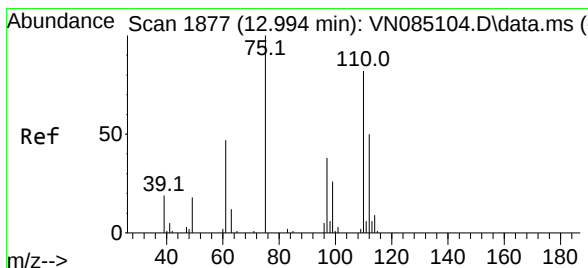
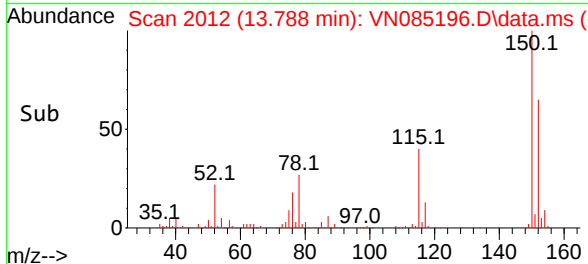
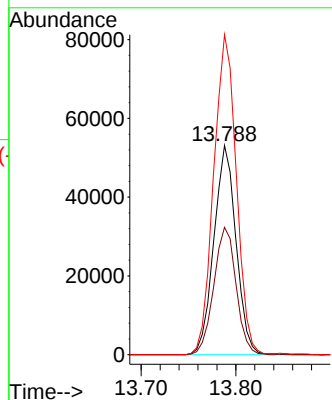
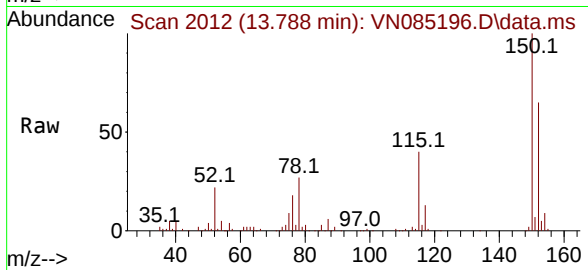
Tgt Ion:152 Resp: 86352

Ion Ratio Lower Upper

152 100

115 61.2 31.7 95.1

150 156.2 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 33.282 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN085196.D

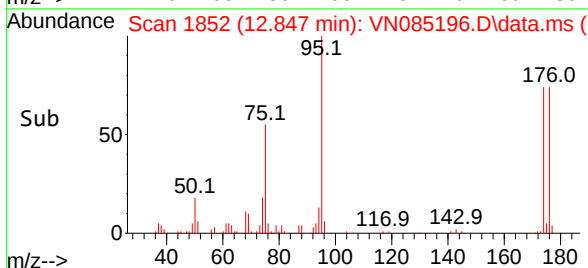
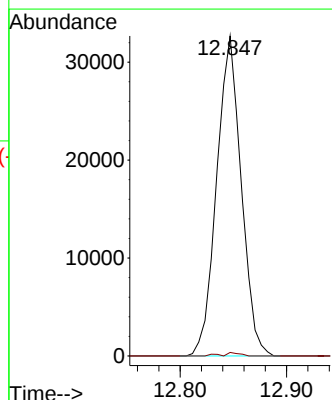
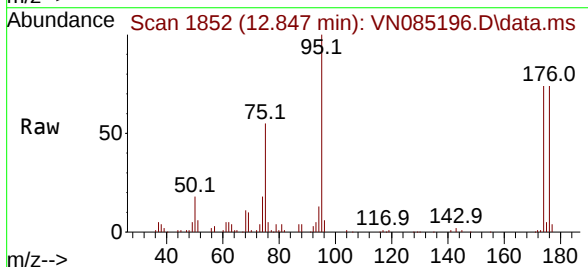
Acq: 13 Dec 2024 15:04

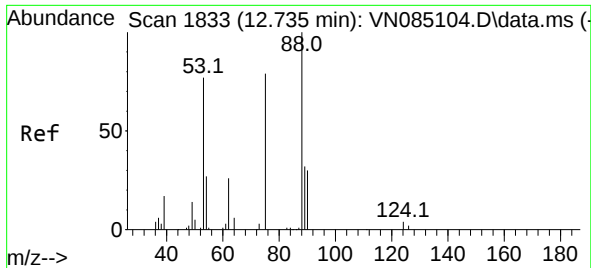
Tgt Ion: 75 Resp: 52276

Ion Ratio Lower Upper

75 100

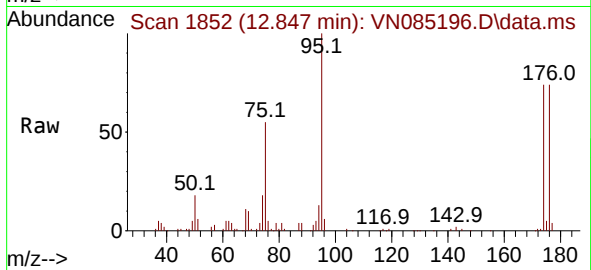
77 0.8 109.1 327.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.473 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 52276
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#

