

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092524\
 Data File : VN084167.D
 Acq On : 25 Sep 2024 18:11
 Operator : JC\MD
 Sample : P4116-16DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 26 01:36:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	153846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	273267	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111803	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121922	52.558	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.120%
35) Dibromofluoromethane	8.171	113	91560	52.337	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.680%
50) Toluene-d8	10.565	98	337320	55.775	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	111.560%
62) 4-Bromofluorobenzene	12.847	95	124432	49.869	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.740%

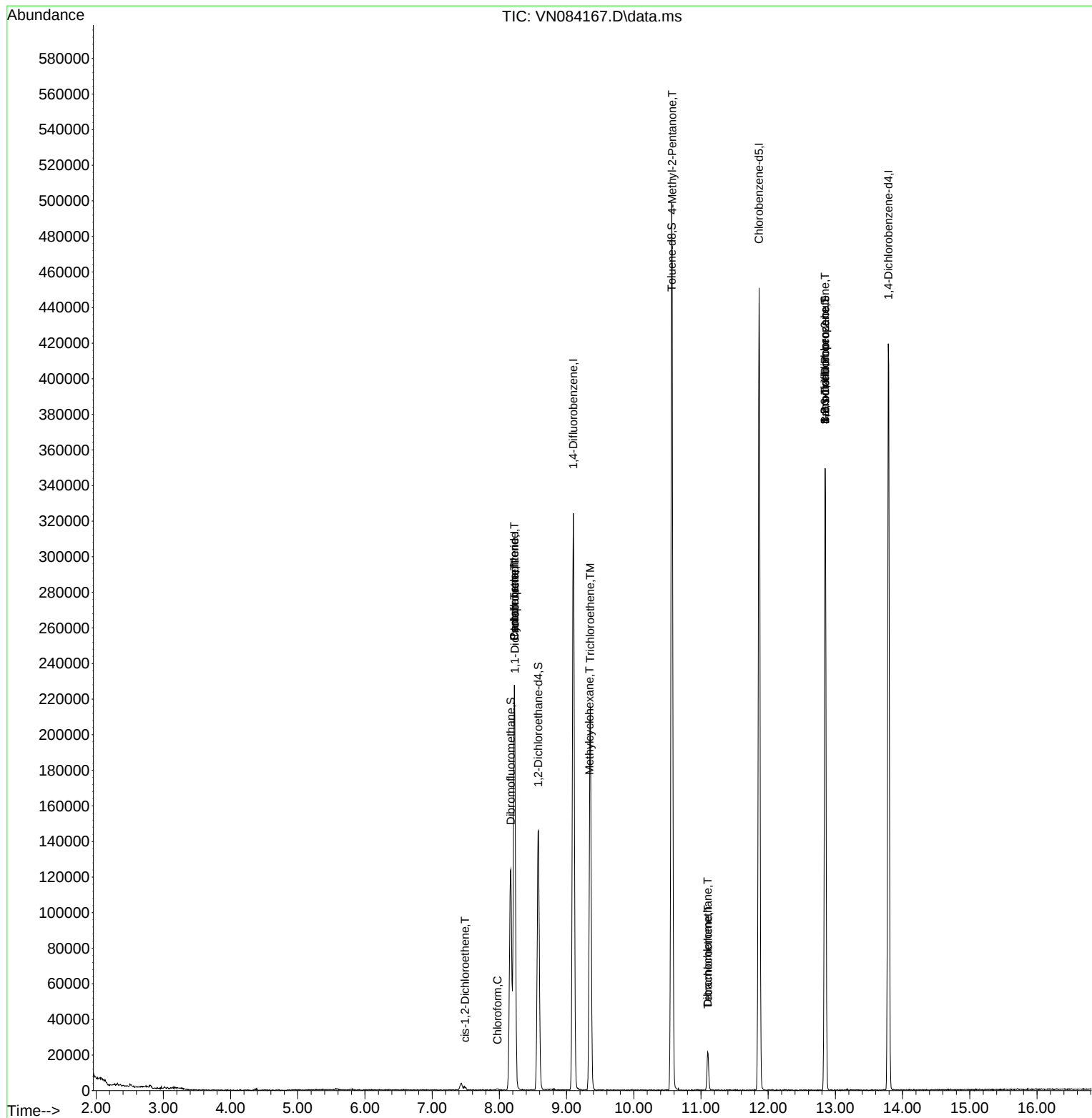
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	151	Below Cal	#	41
27) cis-1,2-Dichloroethene	7.488	96	1350	0.638	ug/l	76
30) Chloroform	7.971	83	829	0.222	ug/l	# 58
31) Cyclohexane	8.224	56	3897	1.162	ug/l	# 28
36) 1,1-Dichloropropene	8.230	75	14402	5.470	ug/l	# 49
38) Carbon Tetrachloride	8.224	117	17806	5.961	ug/l	# 15
39) Methylcyclohexane	9.341	83	687	0.229	ug/l	# 1
44) Trichloroethene	9.353	130	73517	40.057	ug/l	97
51) 4-Methyl-2-Pentanone	10.571	43	1610	0.683	ug/l	# 1
60) Dibromochloromethane	11.100	129	5037	2.487	ug/l	# 10
64) Tetrachloroethene	11.106	164	4623	2.826	ug/l	94
71) Bromoform	12.847	173	431	0.337	ug/l	# 1
76) 1,2,3-Trichloropropane	12.847	75	67040	29.717	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	67040	77.830	ug/l	# 9

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

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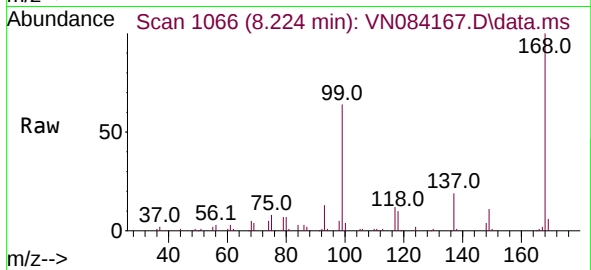
Quant Time: Sep 26 01:36:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
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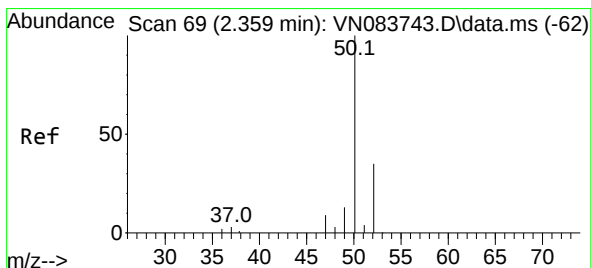
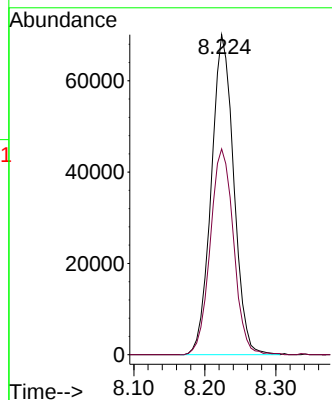
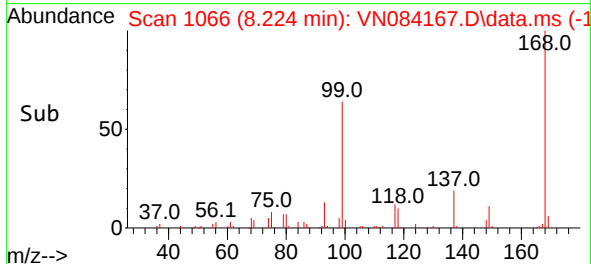


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084167.D
Acq: 25 Sep 2024 18:11

Instrument :
MSVOA_N
ClientSampleId :

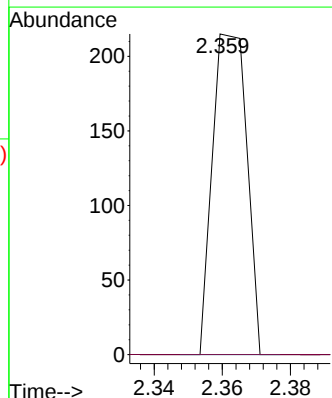
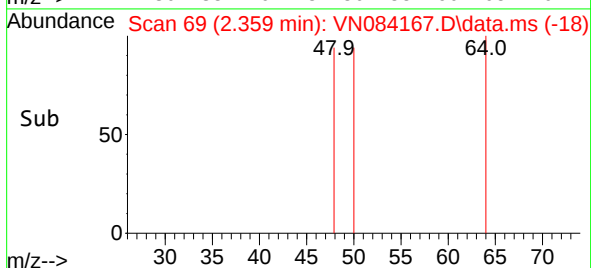
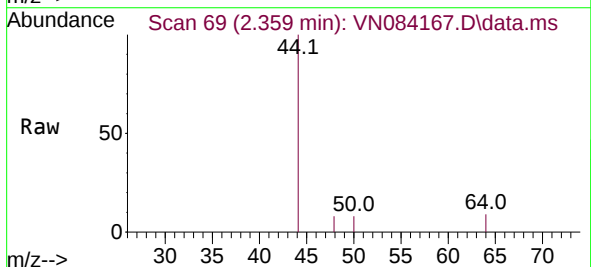


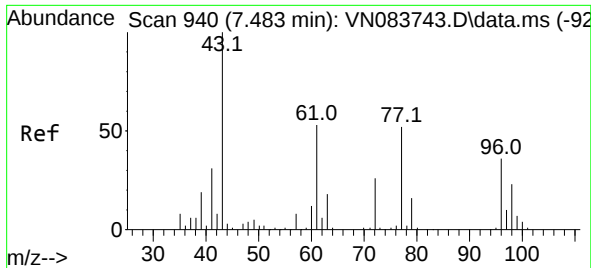
Tgt Ion:168 Resp: 153846
Ion Ratio Lower Upper
168 100
99 64.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084167.D
Acq: 25 Sep 2024 18:11

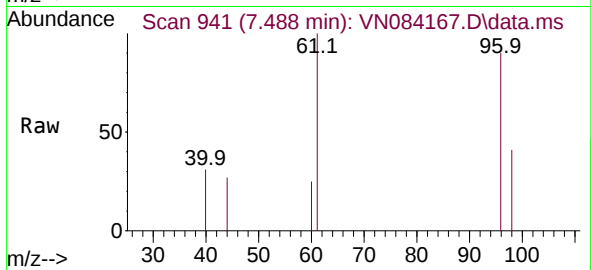
Tgt Ion: 50 Resp: 151
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



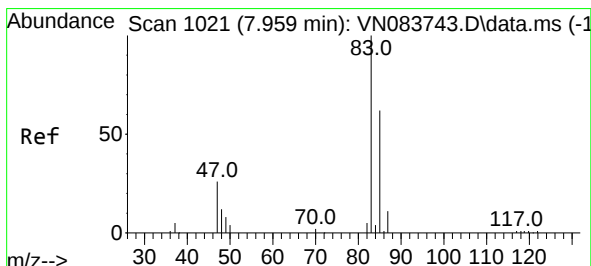
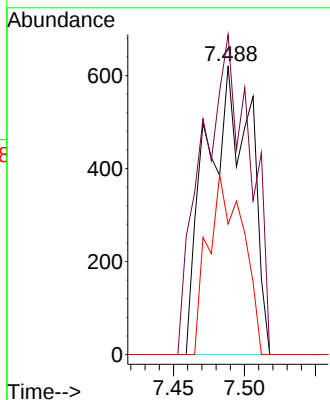
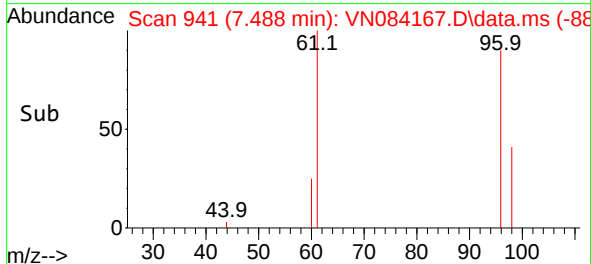


#27
 cis-1,2-Dichloroethene
 Concen: 0.638 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN084167.D
 Acq: 25 Sep 2024 18:11

Instrument :
 MSVOA_N
 ClientSampleId :

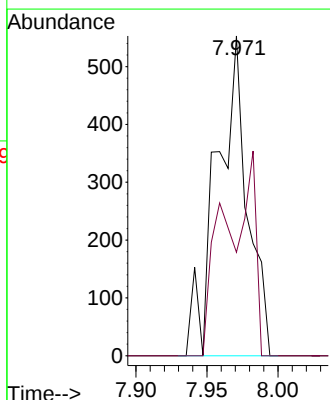
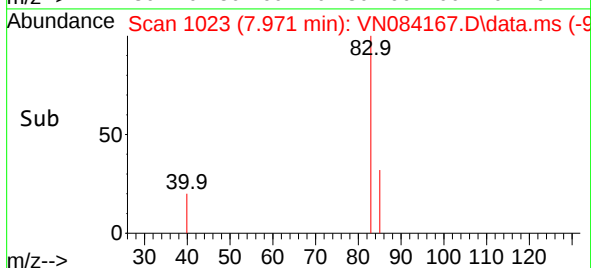
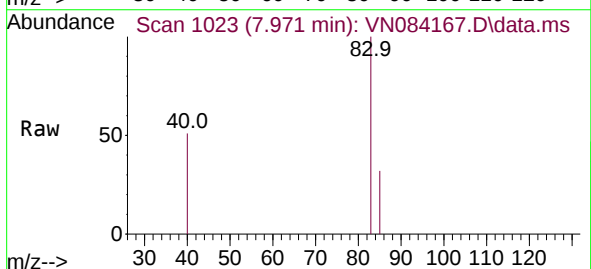


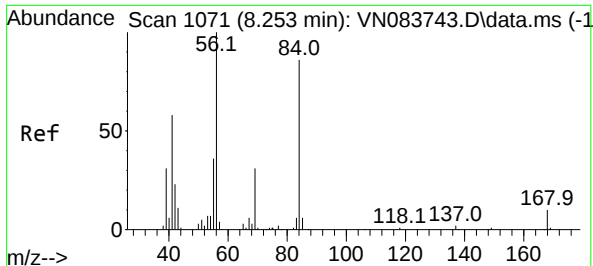
Tgt Ion: 96	Resp: 1350		
Ion	Ratio	Lower	Upper
96	100		
61	119.3	0.0	306.2
98	49.3	0.0	128.6



#30
 Chloroform
 Concen: 0.222 ug/l
 RT: 7.971 min Scan# 1023
 Delta R.T. 0.012 min
 Lab File: VN084167.D
 Acq: 25 Sep 2024 18:11

Tgt Ion: 83	Resp: 829		
Ion Ratio	Lower	Upper	
83 100			
85 32.4	52.8	79.2#	





#31

Cyclohexane

Concen: 1.162 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

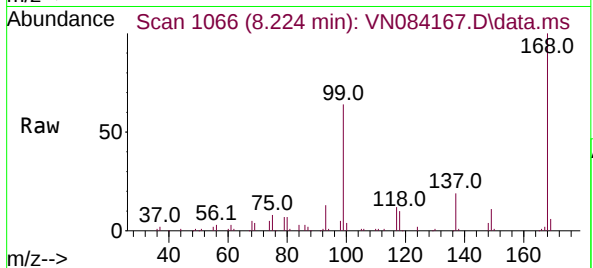
Lab File: VN084167.D

Acq: 25 Sep 2024 18:11

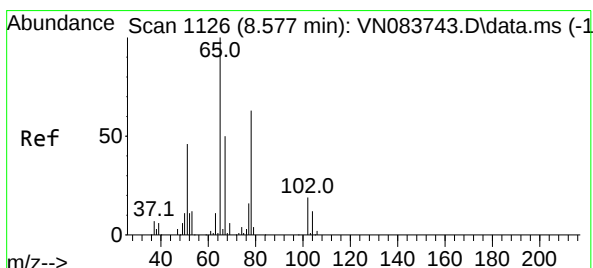
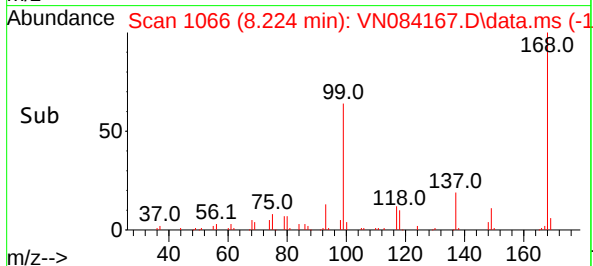
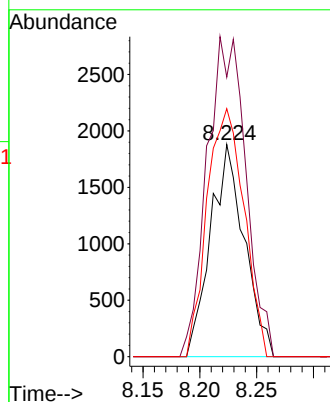
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	3897
Ion Ratio	Lower	Upper	
56	100		
69	131.8	26.9	40.3#
84	116.9	69.2	103.8#



#33

1,2-Dichloroethane-d4

Concen: 52.558 ug/l

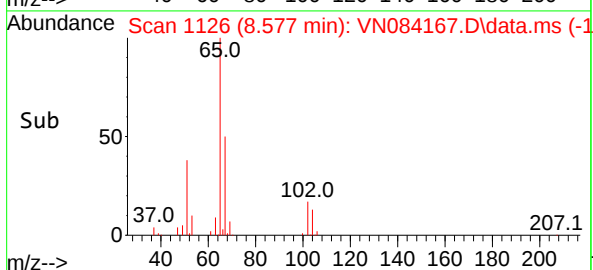
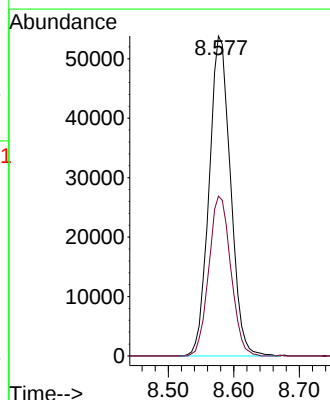
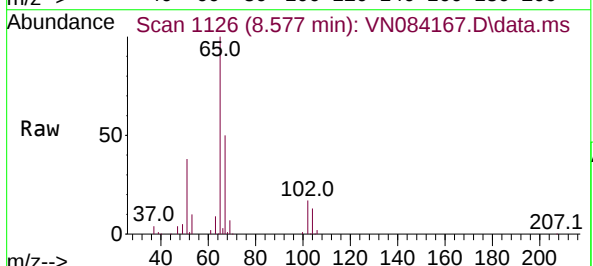
RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084167.D

Acq: 25 Sep 2024 18:11

Tgt Ion:	65	Resp:	121922
Ion Ratio	Lower	Upper	
65	100		
67	51.2	0.0	100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084167.D

Acq: 25 Sep 2024 18:11

Instrument :

MSVOA_N

ClientSampleId :

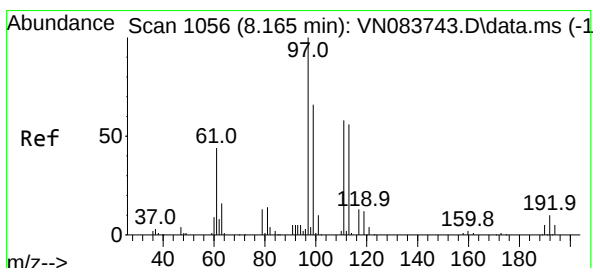
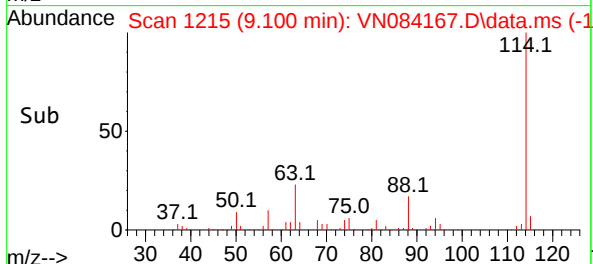
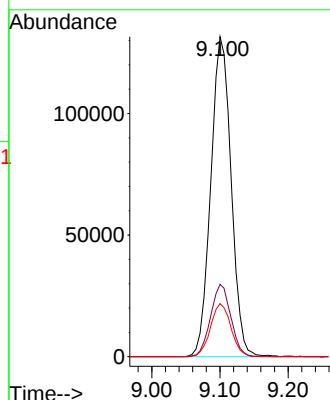
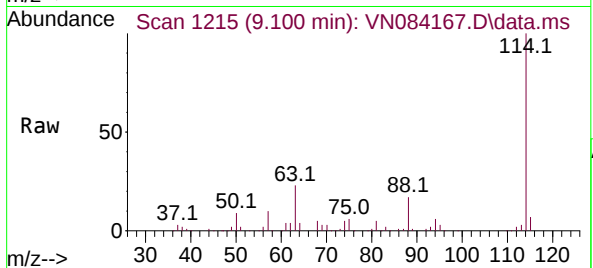
Tgt Ion:114 Resp: 273267

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.4

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.337 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084167.D

Acq: 25 Sep 2024 18:11

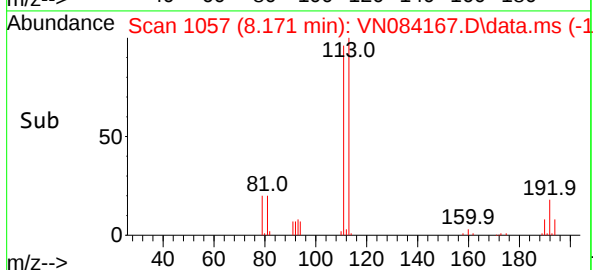
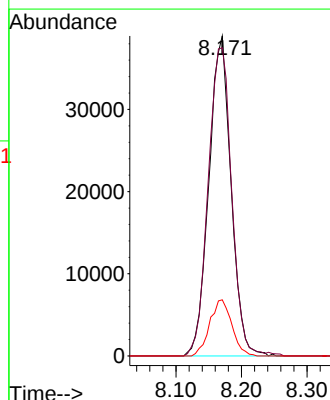
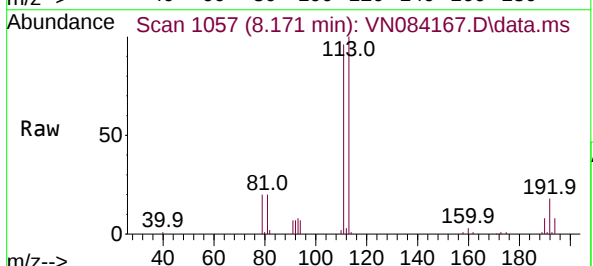
Tgt Ion:113 Resp: 91560

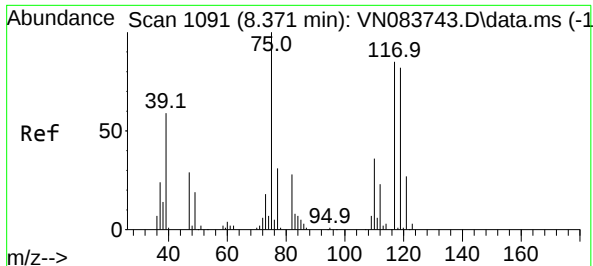
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 17.5 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.470 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

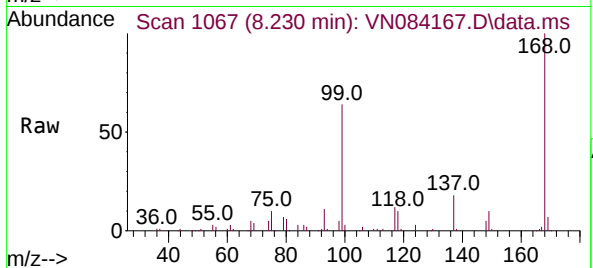
Lab File: VN084167.D

Acq: 25 Sep 2024 18:11

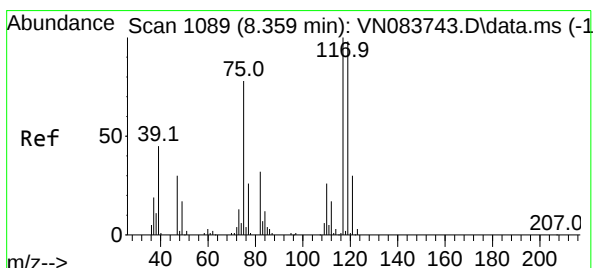
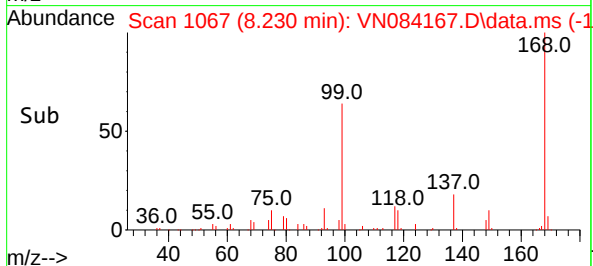
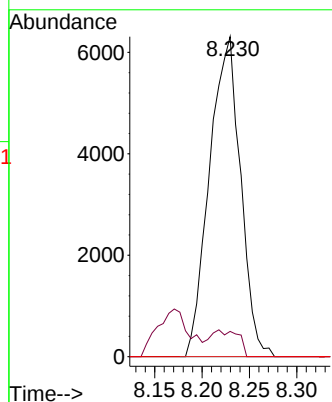
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	14402
Ion Ratio	Lower	Upper	
75	100		
110	7.7	16.7	50.1#
77	0.0	25.2	37.8#



#38

Carbon Tetrachloride

Concen: 5.961 ug/l

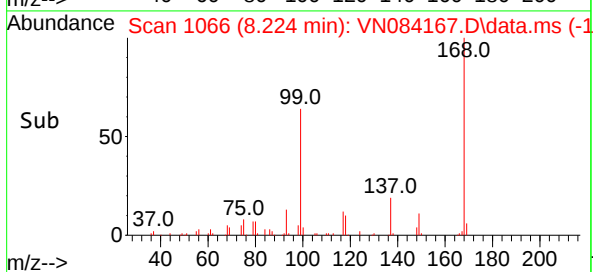
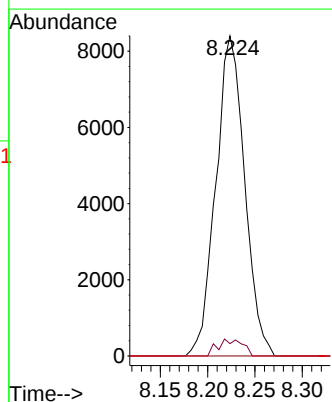
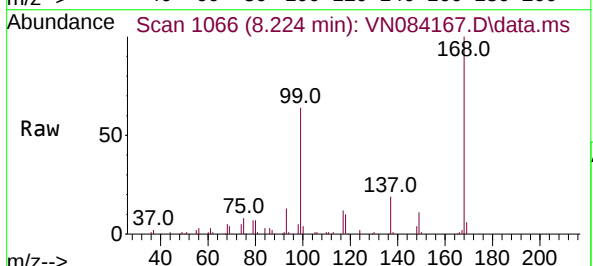
RT: 8.224 min Scan# 1066

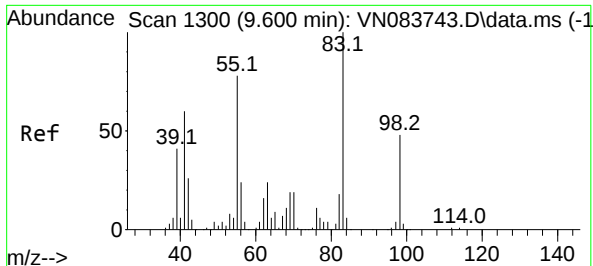
Delta R.T. -0.135 min

Lab File: VN084167.D

Acq: 25 Sep 2024 18:11

Tgt Ion:	117	Resp:	17806
Ion Ratio	Lower	Upper	
117	100		
119	3.9	76.1	114.1#
121	0.0	24.1	36.1#





#39

Methylcyclohexane

Concen: 0.229 ug/l

RT: 9.341 min Scan# 11

Delta R.T. -0.259 min

Lab File: VN084167.D

Acq: 25 Sep 2024 18:11

Instrument :

MSVOA_N

ClientSampleId :

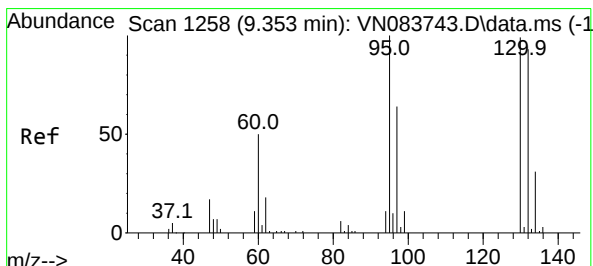
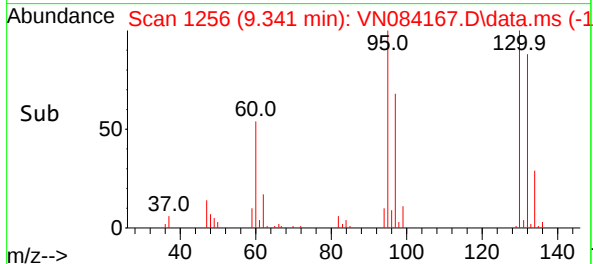
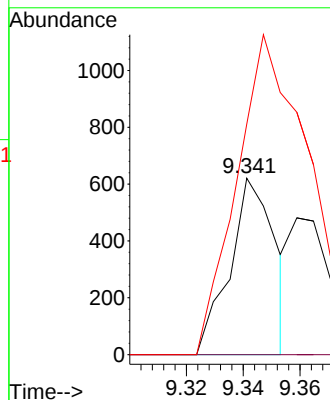
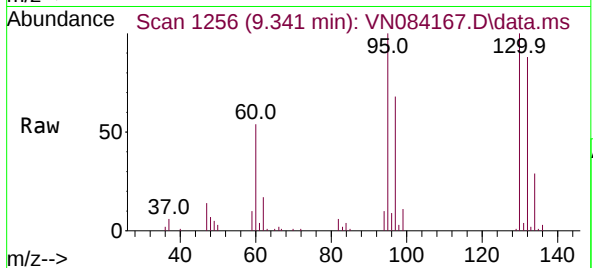
Tgt Ion: 83 Resp: 687

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.4#

98 130.6 37.6 56.4#



#44

Trichloroethene

Concen: 40.057 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN084167.D

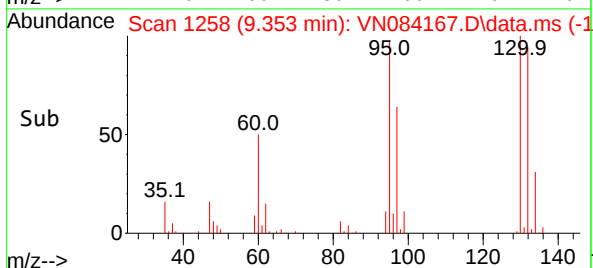
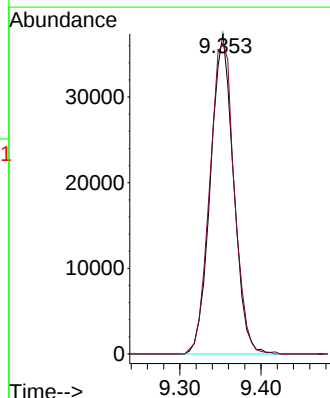
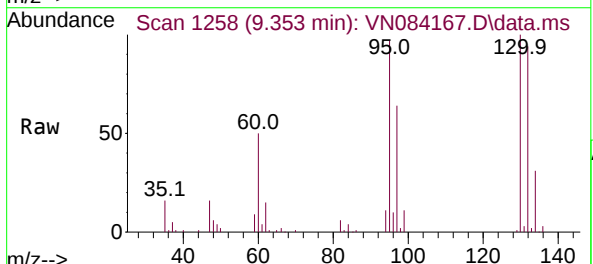
Acq: 25 Sep 2024 18:11

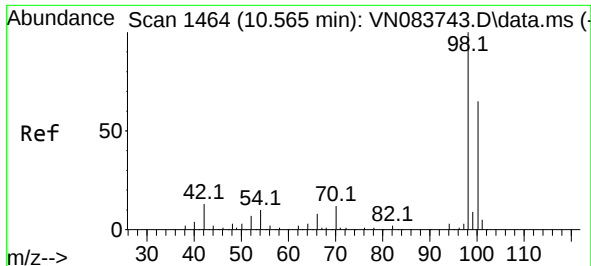
Tgt Ion:130 Resp: 73517

Ion Ratio Lower Upper

130 100

95 97.1 0.0 200.4

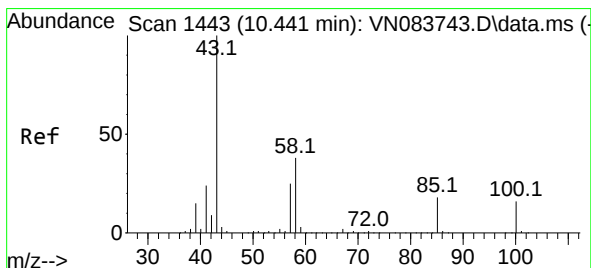
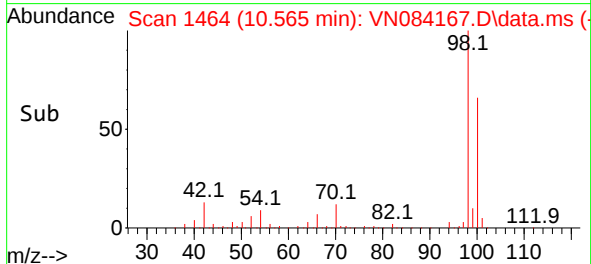
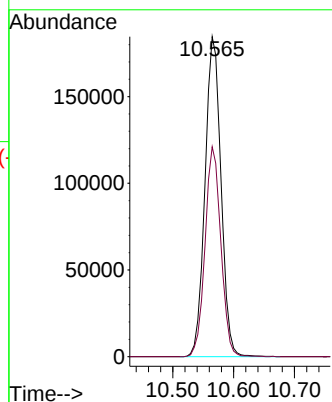
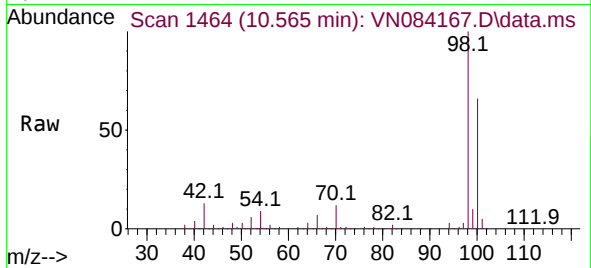




#50
Toluene-d8
Concen: 55.775 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084167.D
Acq: 25 Sep 2024 18:11

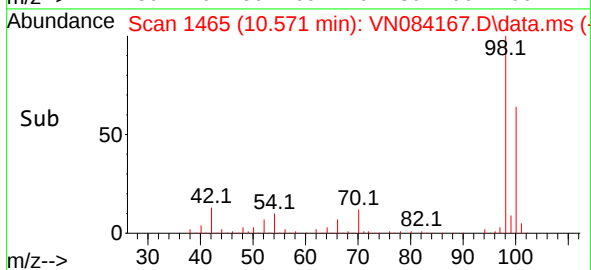
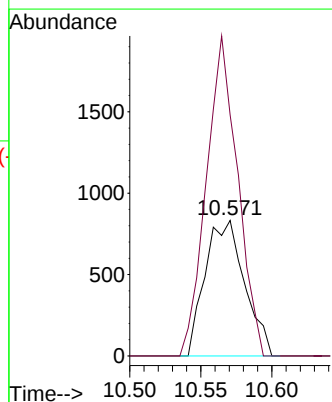
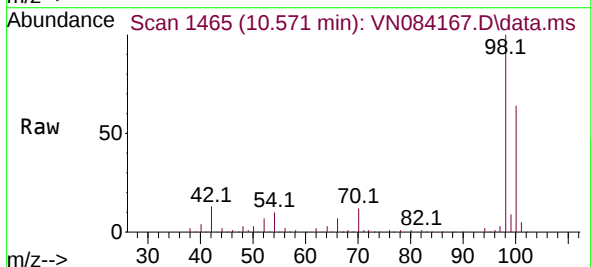
Instrument :
MSVOA_N
ClientSampleId :

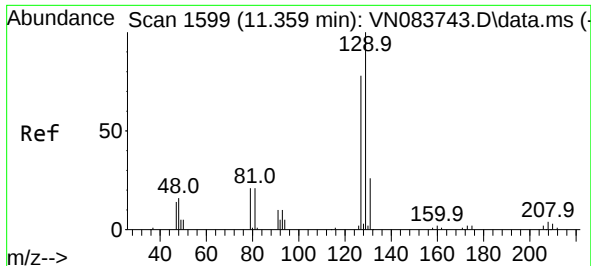
Tgt Ion: 98 Resp: 337320
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.683 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.129 min
Lab File: VN084167.D
Acq: 25 Sep 2024 18:11

Tgt Ion: 43 Resp: 1610
Ion Ratio Lower Upper
43 100
58 187.3 31.6 47.4#

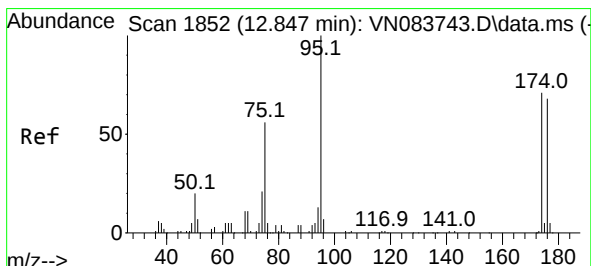
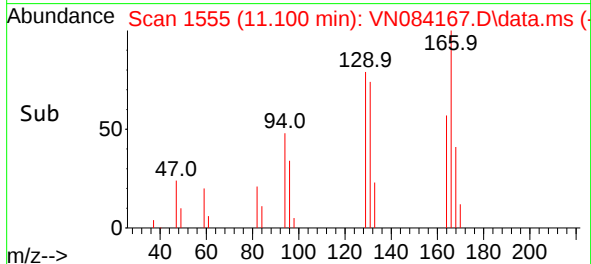
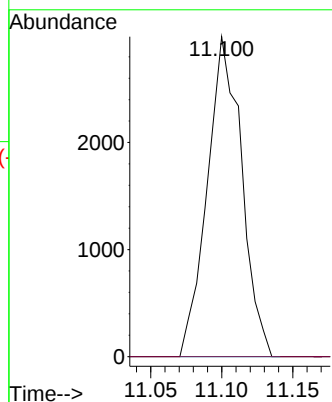
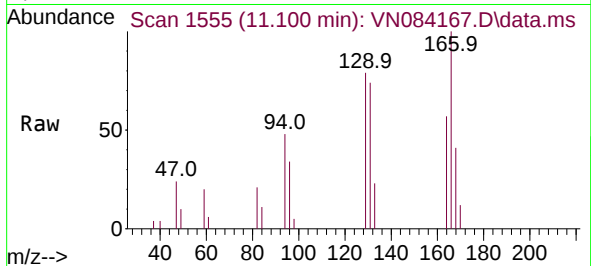




#60
Dibromochloromethane
Concen: 2.487 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN084167.D
Acq: 25 Sep 2024 18:11

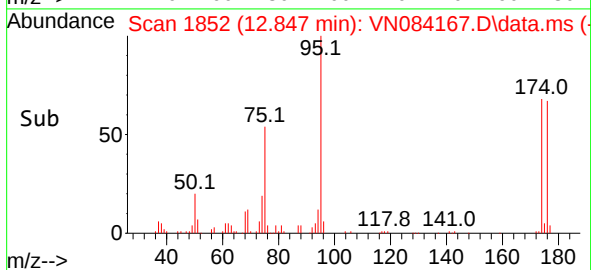
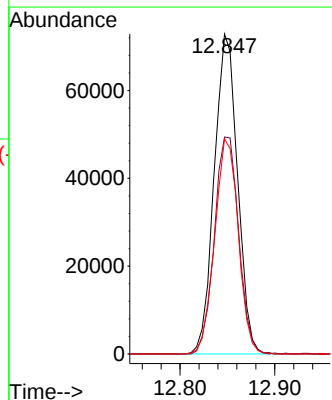
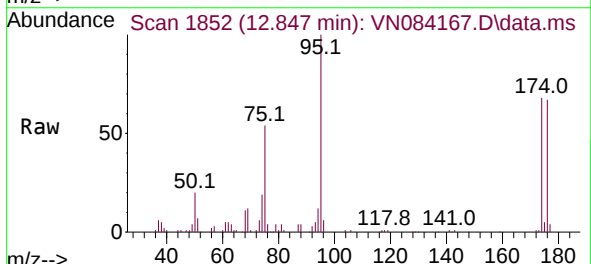
Instrument :
MSVOA_N
ClientSampleId :

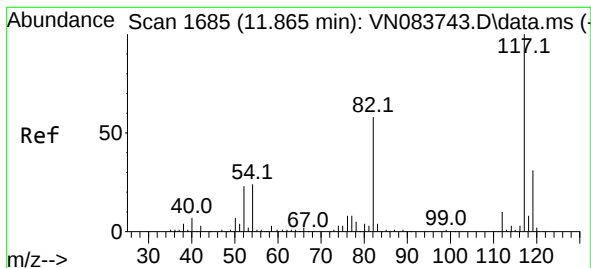
Tgt Ion:129 Resp: 5037
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 49.869 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084167.D
Acq: 25 Sep 2024 18:11

Tgt Ion: 95 Resp: 124432
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.8
176 68.0 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084167.D

Acq: 25 Sep 2024 18:11

Instrument :

MSVOA_N

ClientSampleId :

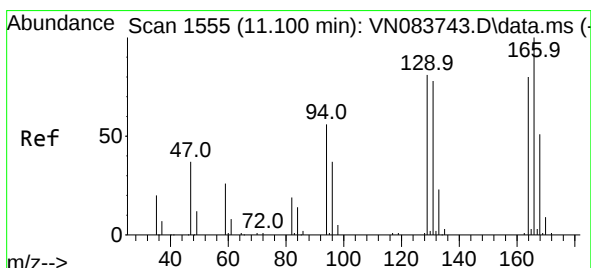
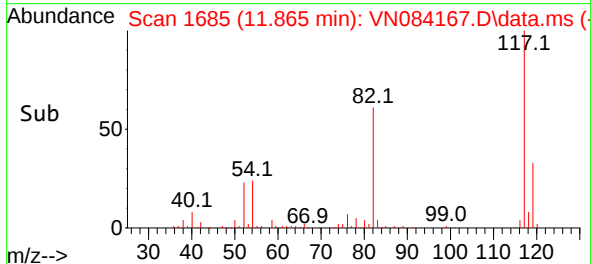
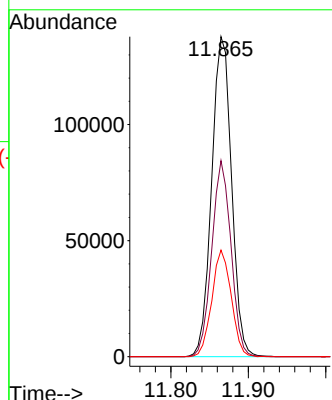
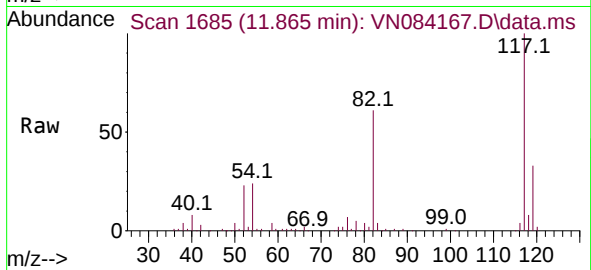
Tgt Ion:117 Resp: 245973

Ion Ratio Lower Upper

117 100

82 61.3 47.4 71.0

119 33.3 26.3 39.5



#64

Tetrachloroethene

Concen: 2.826 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN084167.D

Acq: 25 Sep 2024 18:11

Tgt Ion:164 Resp: 4623

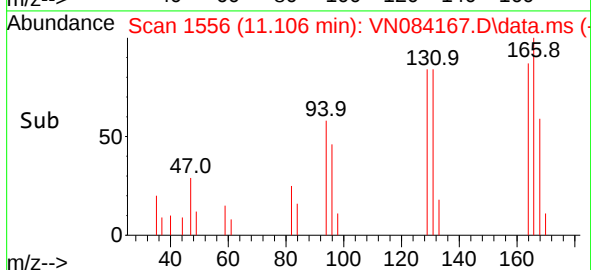
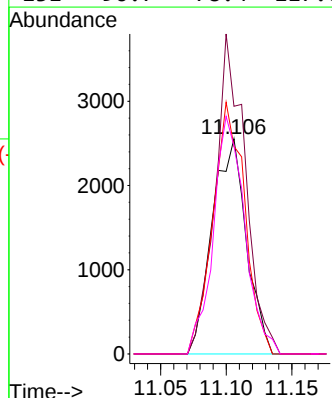
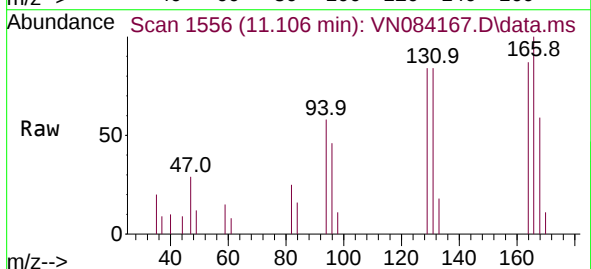
Ion Ratio Lower Upper

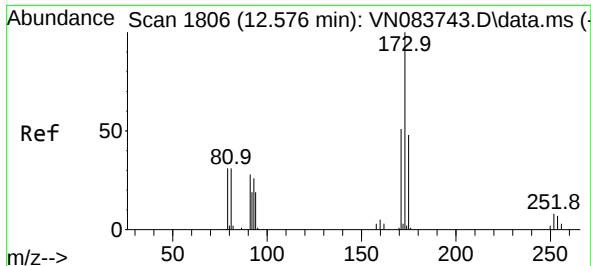
164 100

166 115.1 103.7 155.5

129 96.4 79.9 119.9

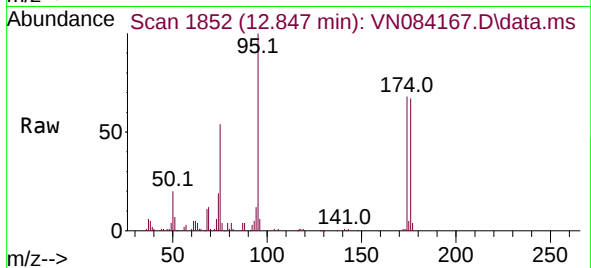
131 96.7 78.4 117.6



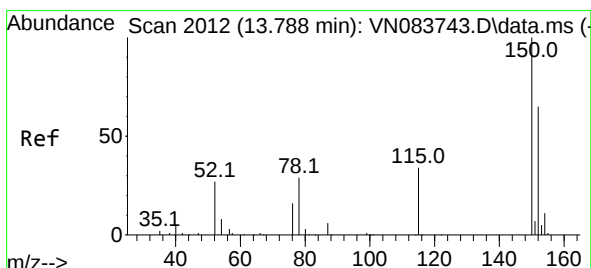
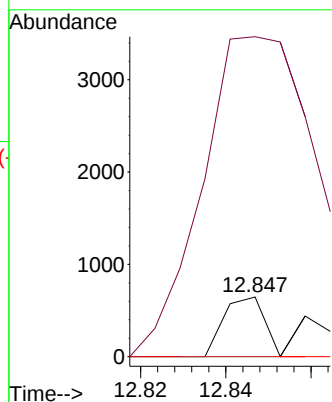
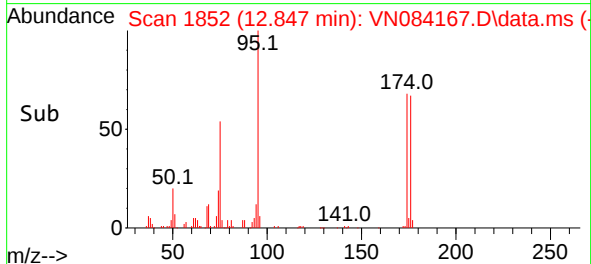


#71
Bromoform
Concen: 0.337 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN084167.D
Acq: 25 Sep 2024 18:11

Instrument :
MSVOA_N
ClientSampleId :

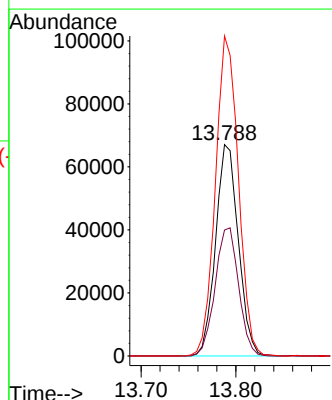
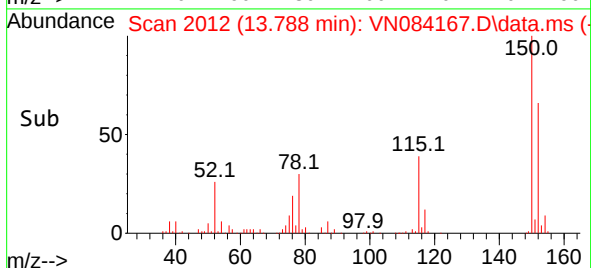
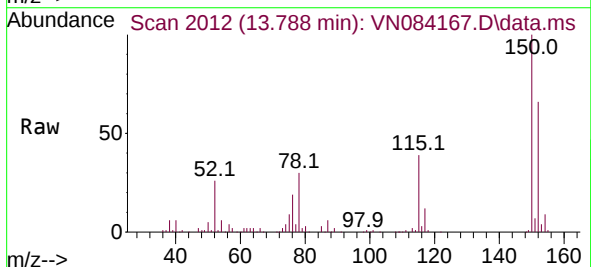


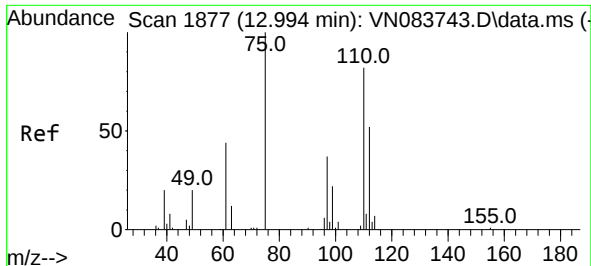
Tgt Ion:173 Resp: 431
Ion Ratio Lower Upper
173 100
175 1106.0 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1202
Delta R.T. -0.000 min
Lab File: VN084167.D
Acq: 25 Sep 2024 18:11

Tgt Ion:152 Resp: 111803
Ion Ratio Lower Upper
152 100
115 62.6 32.2 96.6
150 152.7 0.0 348.6

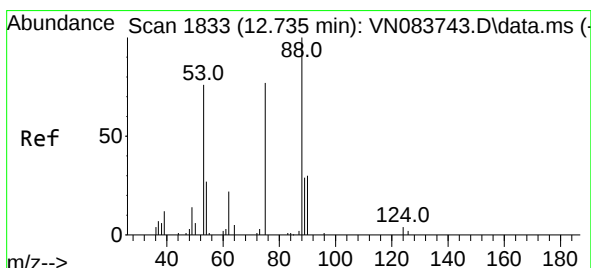
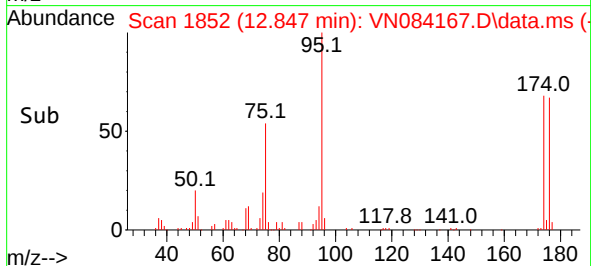
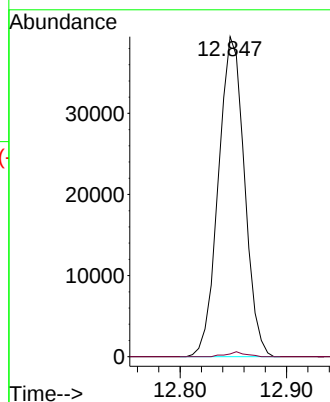
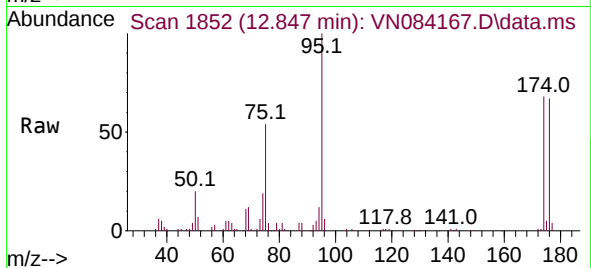




#76
1,2,3-Trichloropropane
Concen: 29.717 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084167.D
Acq: 25 Sep 2024 18:11

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 67040
Ion Ratio Lower Upper
75 100
77 1.1 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.830 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084167.D
Acq: 25 Sep 2024 18:11

Tgt Ion: 75 Resp: 67040
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

