

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
 Data File : VN084483.D
 Acq On : 24 Oct 2024 13:10
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 01:59:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

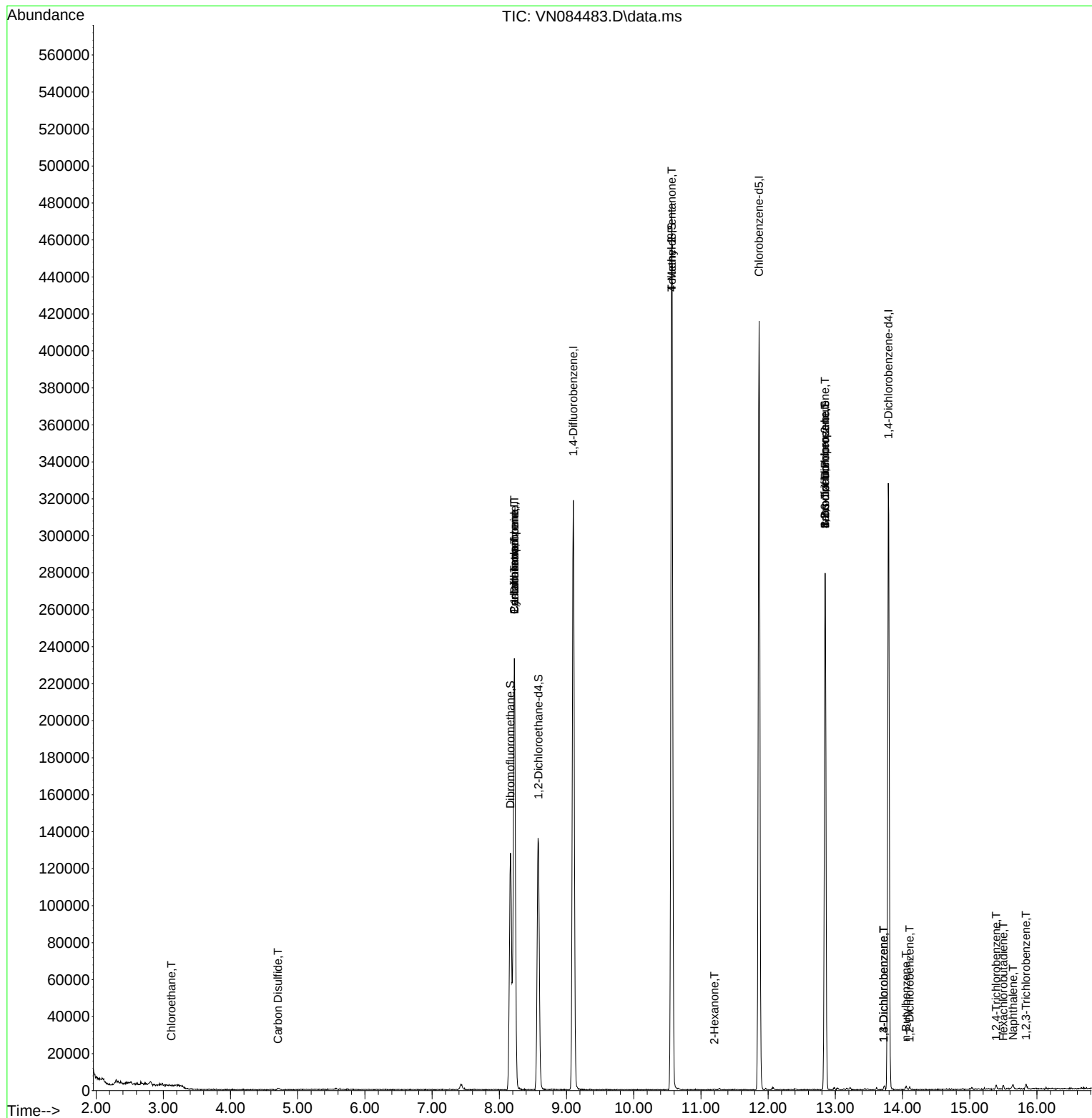
Internal Standards						
1) Pentafluorobenzene	8.224	168	161008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	87187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	114451	47.943	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.880%		
35) Dibromofluoromethane	8.165	113	93354	51.388	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.780%		
50) Toluene-d8	10.565	98	324504	48.552	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.100%		
62) 4-Bromofluorobenzene	12.847	95	100016	41.075	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	82.160%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	736	0.488	ug/l #	45
17) Carbon Disulfide	4.706	76	1166	0.203	ug/l #	75
31) Cyclohexane	8.224	56	4036	1.141	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14092	5.340	ug/l #	48
38) Carbon Tetrachloride	8.224	117	17799	6.149	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	1465	0.568	ug/l #	1
59) 2-Hexanone	11.200	43	505	0.262	ug/l #	24
71) Bromoform	12.847	173	663	0.508	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	51601	28.990	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	51601	69.503	ug/l #	11
87) 1,3-Dichlorobenzene	13.718	146	778	0.258	ug/l	79
88) 1,4-Dichlorobenzene	13.718	146	778	0.256	ug/l	79
89) n-Butylbenzene	14.053	91	1358	0.281	ug/l	87
91) 1,2-Dichlorobenzene	14.106	146	760	0.257	ug/l	75
93) 1,2,4-Trichlorobenzene	15.394	180	896	0.616	ug/l #	72
94) Hexachlorobutadiene	15.500	225	614	0.847	ug/l	84
95) Naphthalene	15.647	128	3342	0.693	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.835	180	1291	0.887	ug/l	81

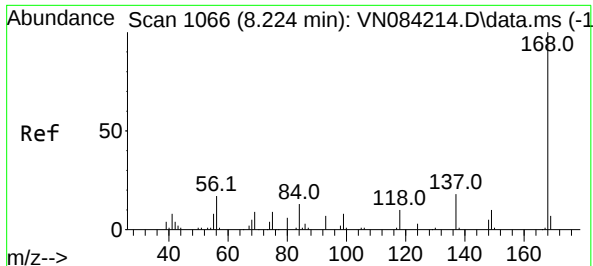
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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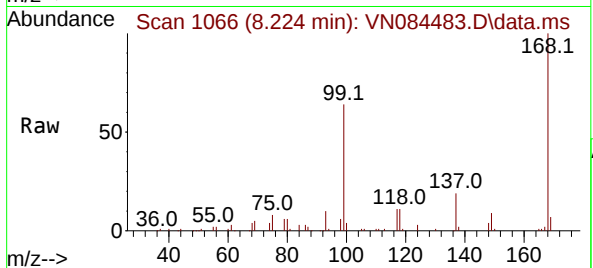
Quant Time: Oct 25 01:59:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
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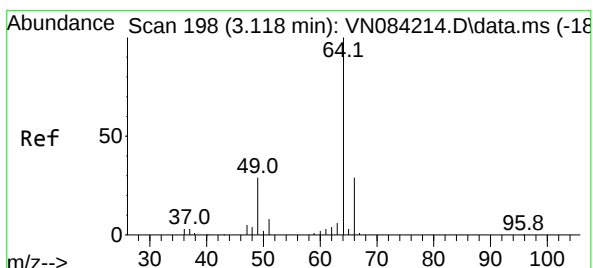
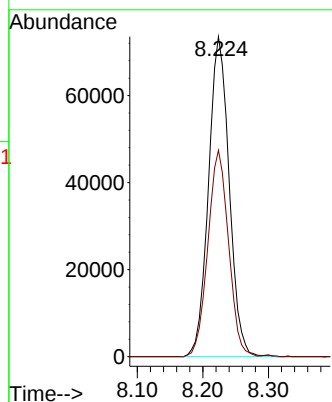
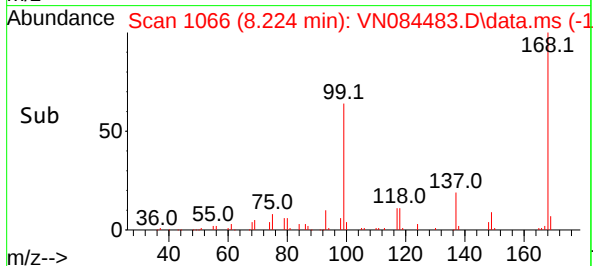


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084483.D
Acq: 24 Oct 2024 13:10

Instrument :
MSVOA_N
ClientSampleId :

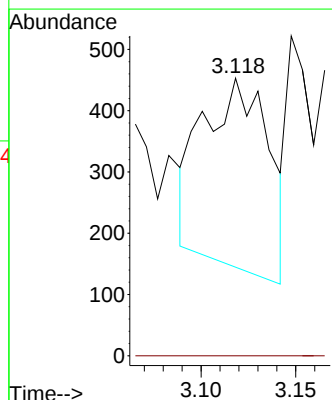
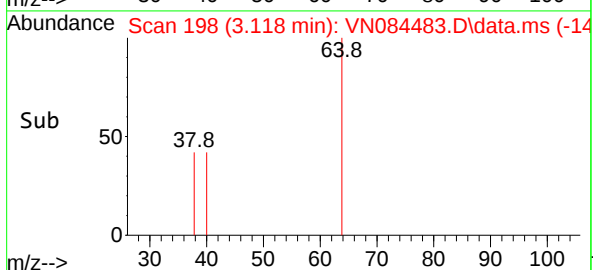
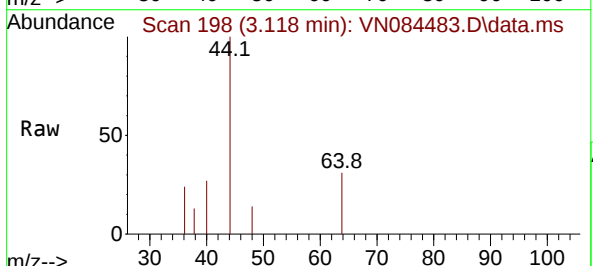


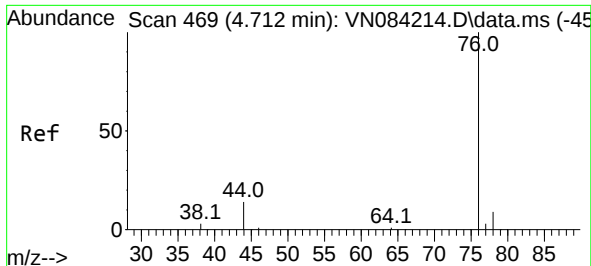
Tgt Ion:168 Resp: 161008
Ion Ratio Lower Upper
168 100
99 64.5 54.2 81.2



#6
Chloroethane
Concen: 0.488 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084483.D
Acq: 24 Oct 2024 13:10

Tgt Ion: 64 Resp: 736
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#





#17

Carbon Disulfide

Concen: 0.203 ug/l

RT: 4.706 min Scan# 4

Delta R.T. -0.006 min

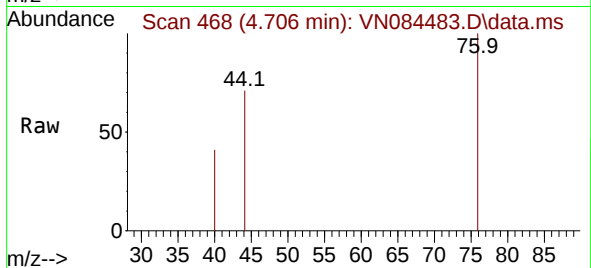
Lab File: VN084483.D

Acq: 24 Oct 2024 13:10

Instrument :

MSVOA_N

ClientSampleId :

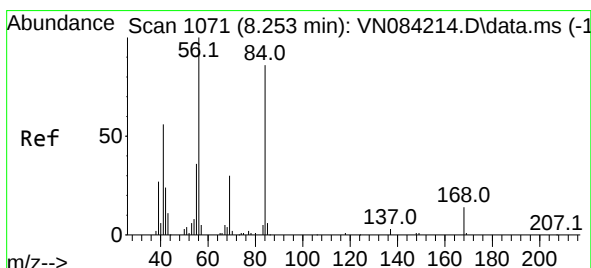
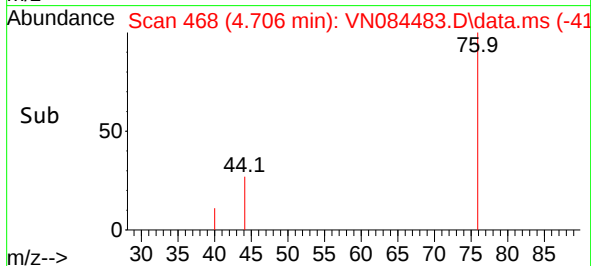
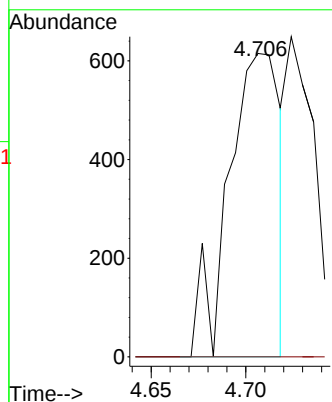


Tgt Ion: 76 Resp: 1166

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#31

Cyclohexane

Concen: 1.141 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084483.D

Acq: 24 Oct 2024 13:10

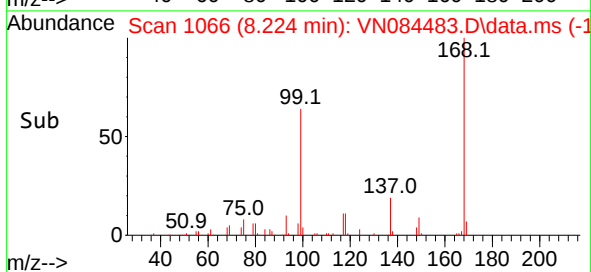
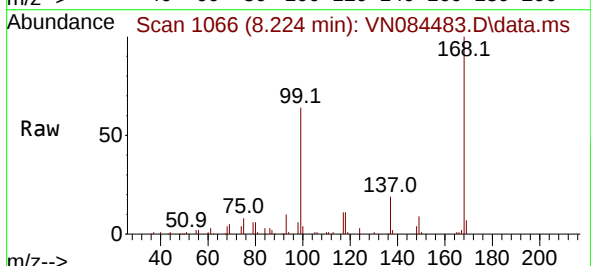
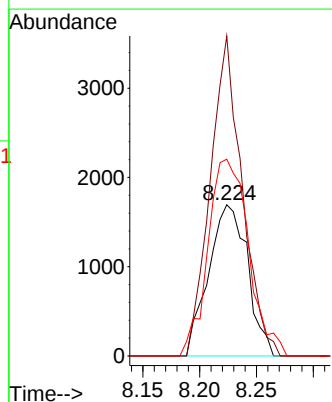
Tgt Ion: 56 Resp: 4036

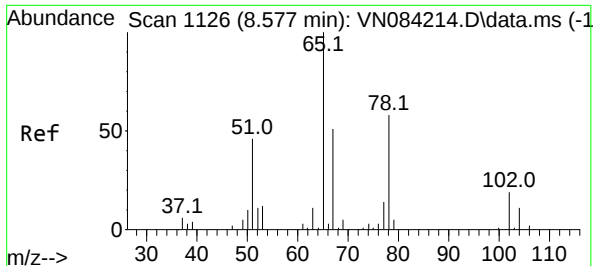
Ion Ratio Lower Upper

56 100

69 211.7 23.8 35.6#

84 130.2 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 47.943 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN084483.D

Acq: 24 Oct 2024 13:10

Instrument :

MSVOA_N

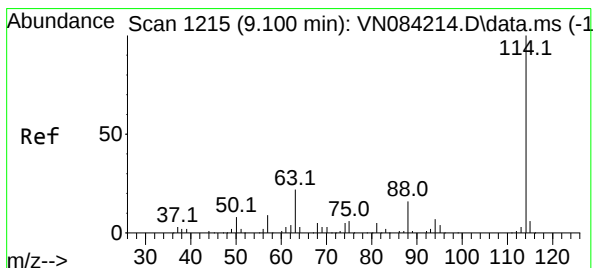
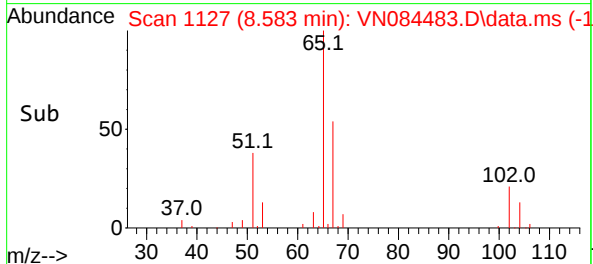
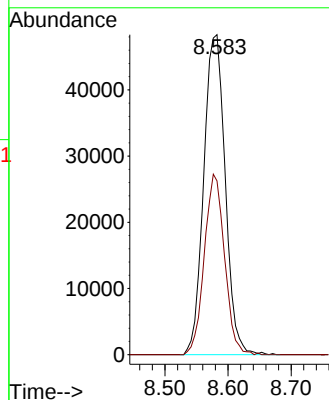
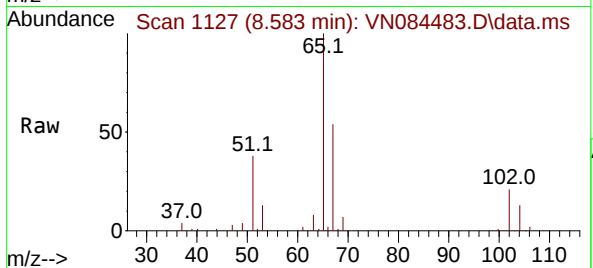
ClientSampleId :

Tgt Ion: 65 Resp: 114451

Ion Ratio Lower Upper

65 100

67 53.1 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084483.D

Acq: 24 Oct 2024 13:10

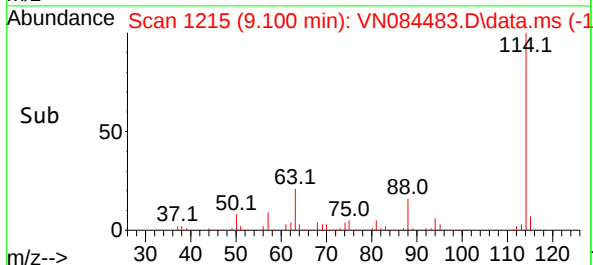
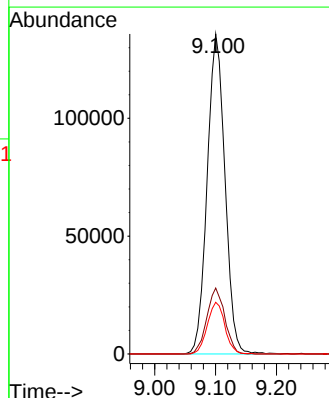
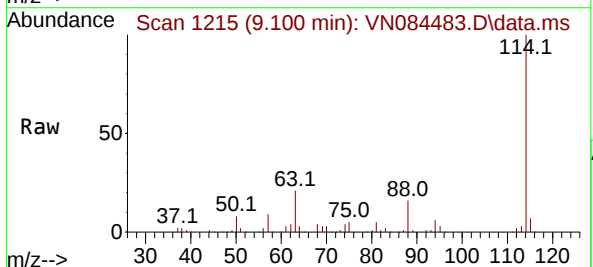
Tgt Ion: 114 Resp: 275560

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.8

88 16.2 0.0 31.6

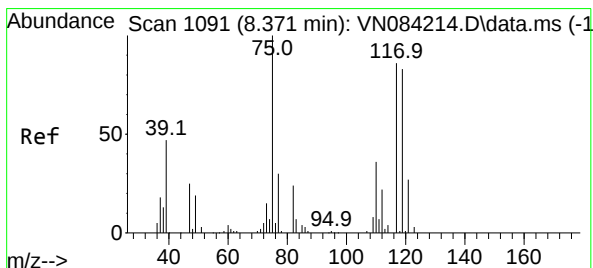
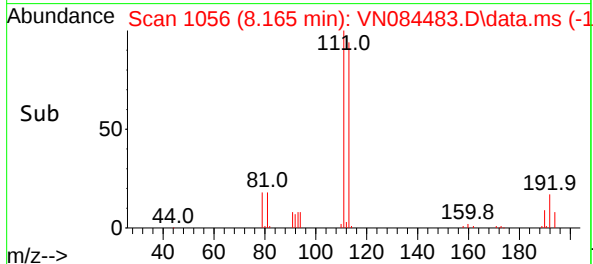
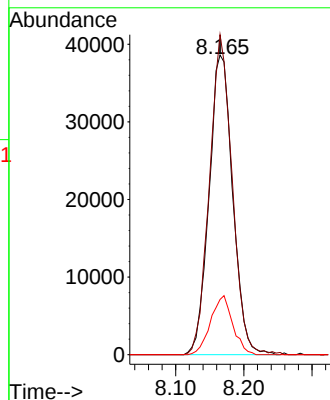
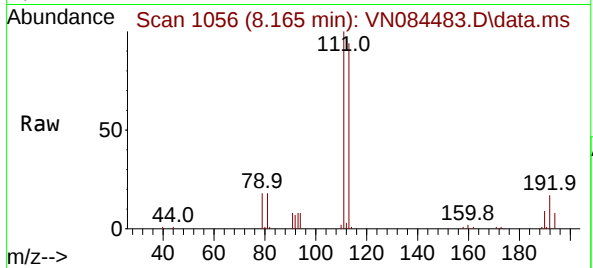




#35
Dibromofluoromethane
Concen: 51.388 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084483.D
Acq: 24 Oct 2024 13:10

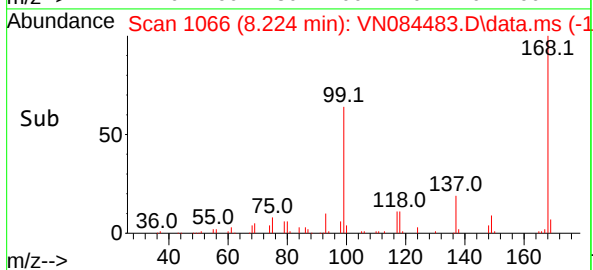
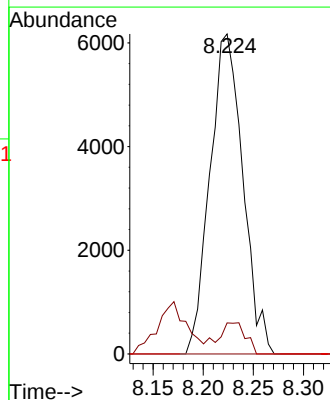
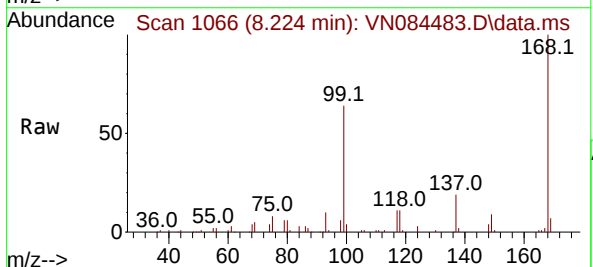
Instrument :
MSVOA_N
ClientSampleId :

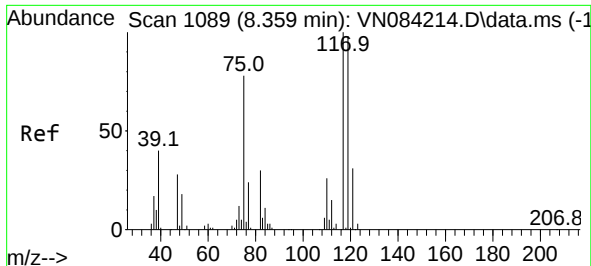
Tgt Ion:113 Resp: 93354
Ion Ratio Lower Upper
113 100
111 102.3 83.3 124.9
192 18.4 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.340 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084483.D
Acq: 24 Oct 2024 13:10

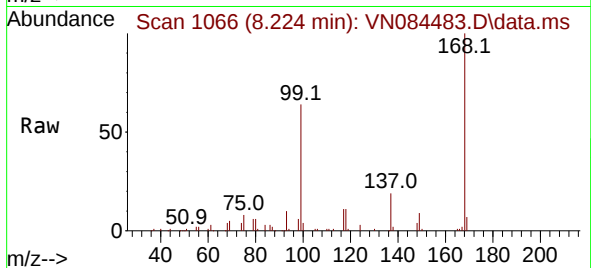
Tgt Ion: 75 Resp: 14092
Ion Ratio Lower Upper
75 100
110 6.9 16.9 50.7#
77 0.0 24.7 37.1#



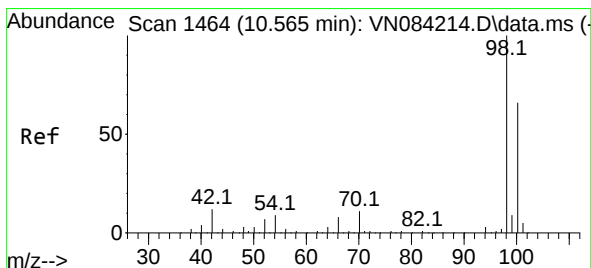
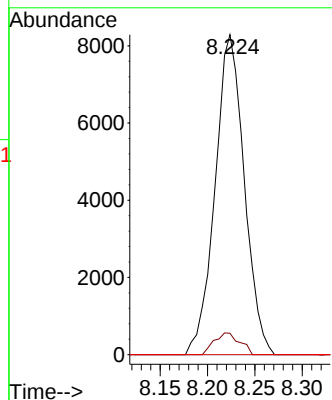
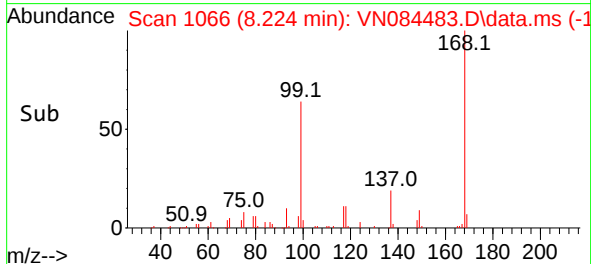


#38
Carbon Tetrachloride
Concen: 6.149 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084483.D
Acq: 24 Oct 2024 13:10

Instrument :
MSVOA_N
ClientSampleId :

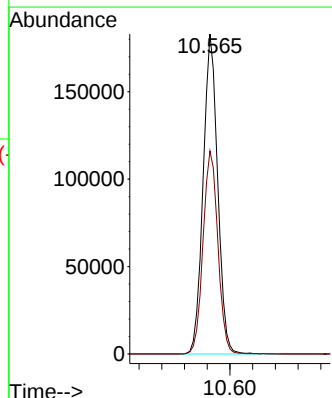
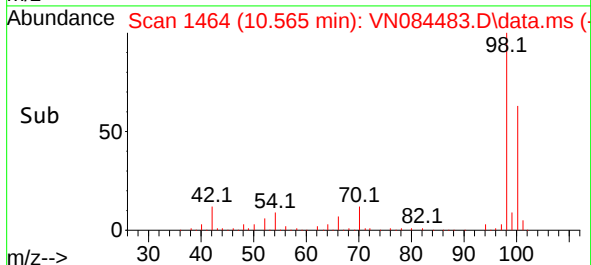
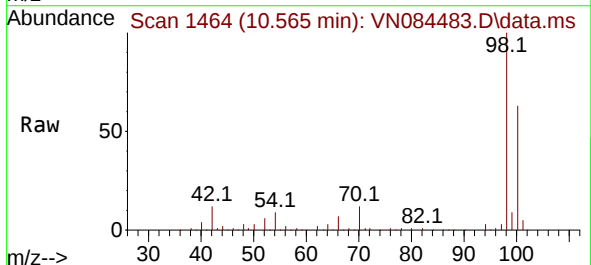


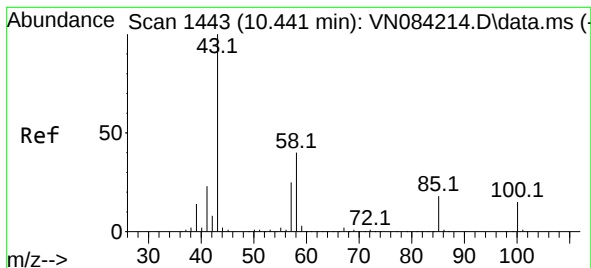
Tgt Ion:117 Resp: 17799
Ion Ratio Lower Upper
117 100
119 6.7 78.7 118.1#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 48.552 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084483.D
Acq: 24 Oct 2024 13:10

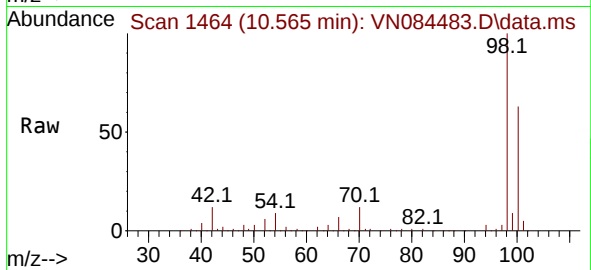
Tgt Ion: 98 Resp: 324504
Ion Ratio Lower Upper
98 100
100 64.7 52.7 79.1



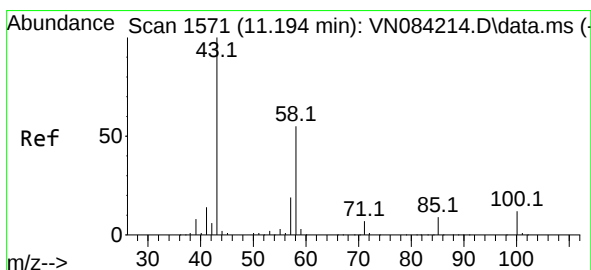
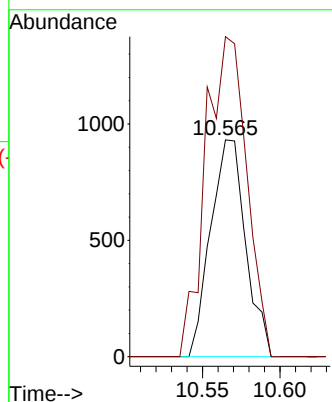
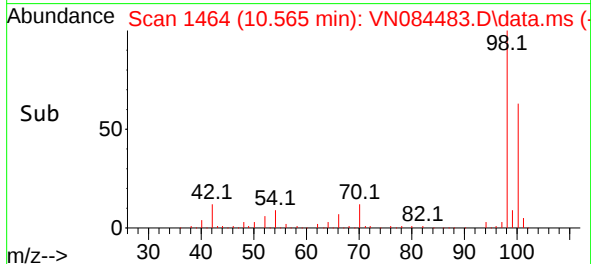


#51
4-Methyl-2-Pentanone
Concen: 0.568 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN084483.D
Acq: 24 Oct 2024 13:10

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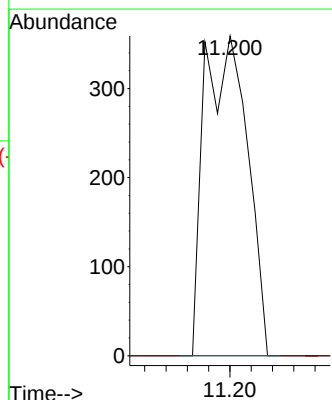
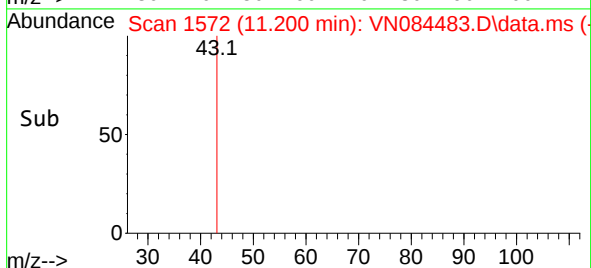
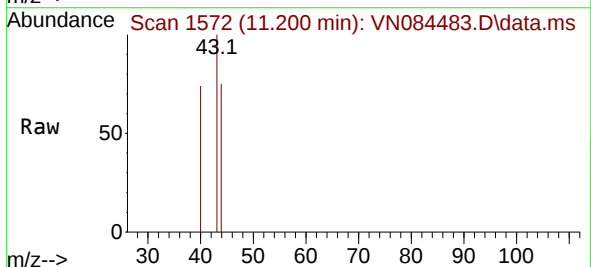


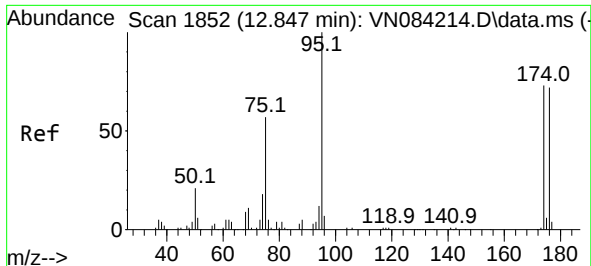
Tgt Ion: 43 Resp: 1465
Ion Ratio Lower Upper
43 100
58 172.5 31.6 47.4#



#59
2-Hexanone
Concen: 0.262 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084483.D
Acq: 24 Oct 2024 13:10

Tgt Ion: 43 Resp: 505
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 41.075 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084483.D

Acq: 24 Oct 2024 13:10

Instrument :

MSVOA_N

ClientSampleId :

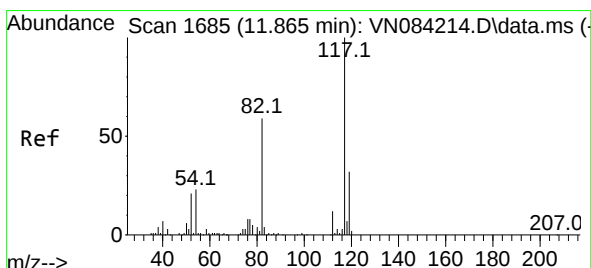
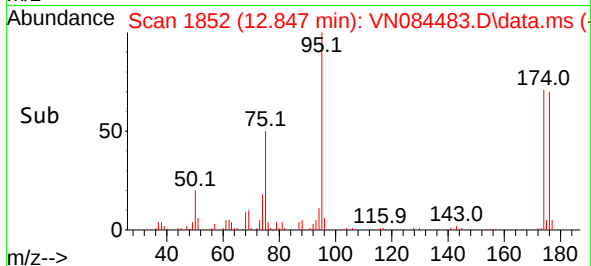
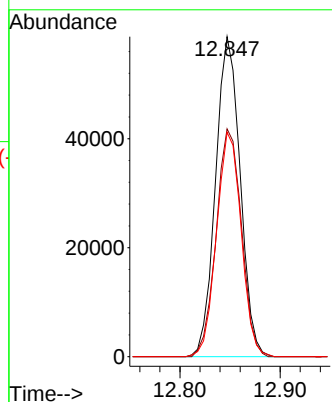
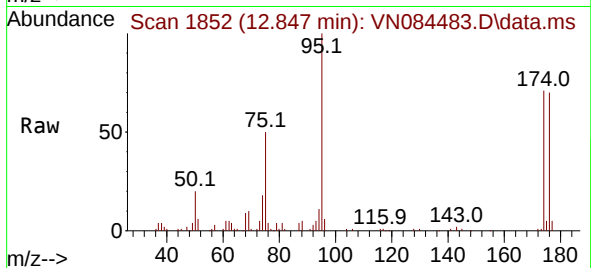
Tgt Ion: 95 Resp: 100016

Ion Ratio Lower Upper

95 100

174 73.0 0.0 145.2

176 70.1 0.0 140.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN084483.D

Acq: 24 Oct 2024 13:10

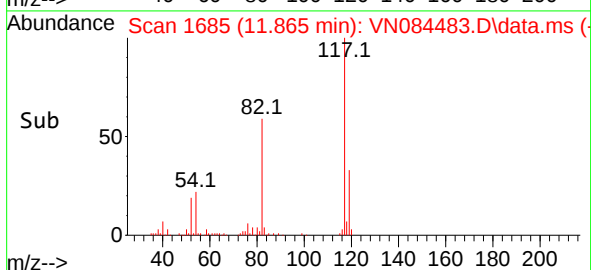
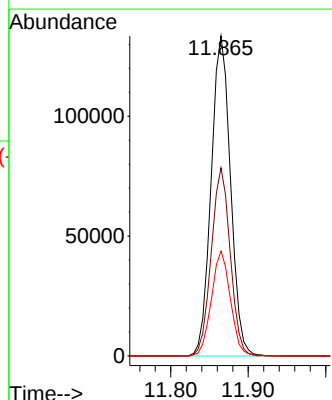
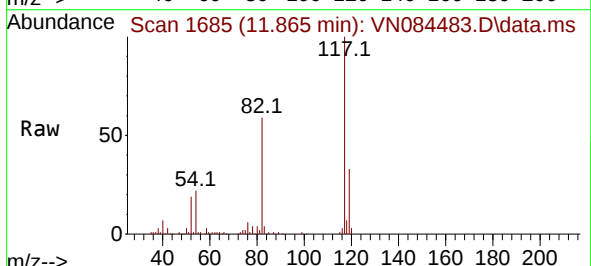
Tgt Ion: 117 Resp: 231893

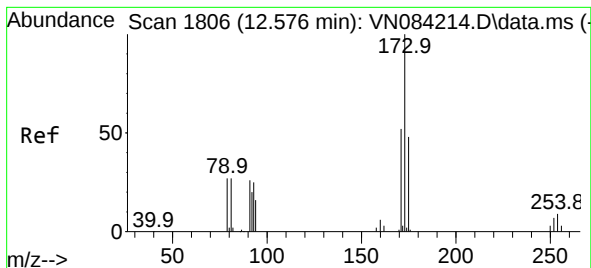
Ion Ratio Lower Upper

117 100

82 58.8 47.2 70.8

119 32.7 25.4 38.0





#71

Bromoform

Concen: 0.508 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

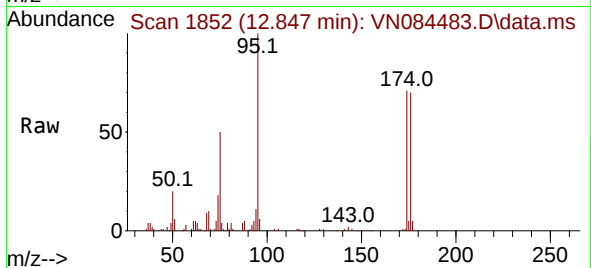
Lab File: VN084483.D

Acq: 24 Oct 2024 13:10

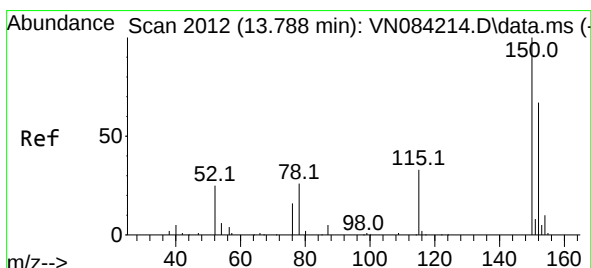
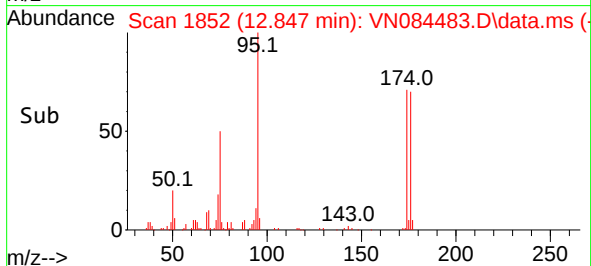
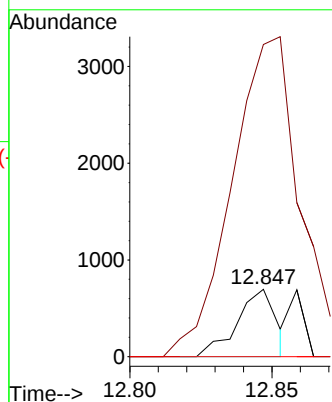
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	663
Ion Ratio	Lower	Upper	
173	100		
175	0.0	23.5	70.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

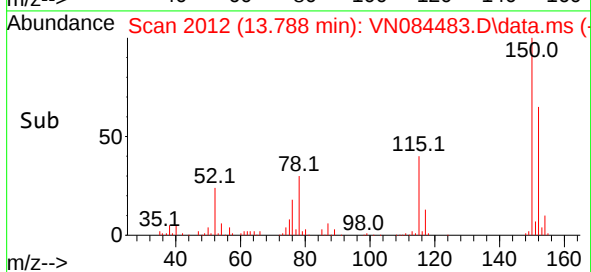
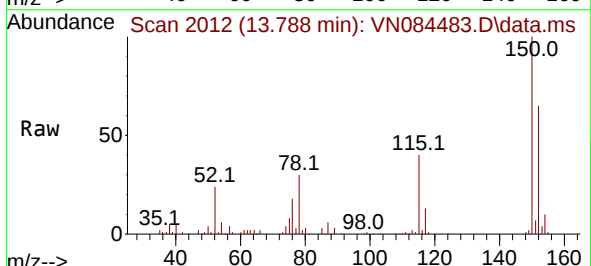
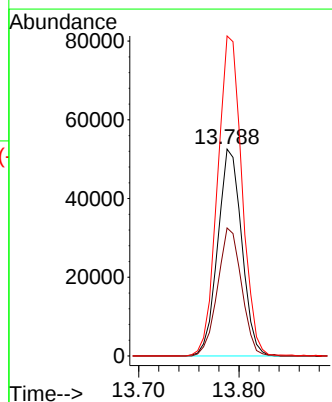
RT: 13.788 min Scan# 2012

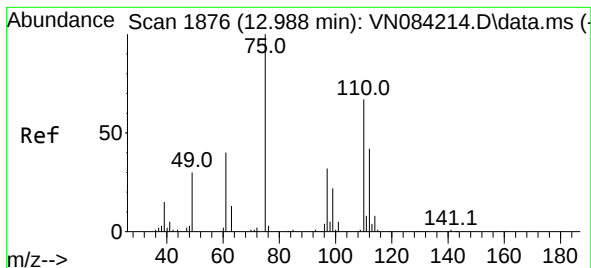
Delta R.T. 0.000 min

Lab File: VN084483.D

Acq: 24 Oct 2024 13:10

Tgt Ion:	152	Resp:	87187
Ion Ratio	Lower	Upper	
152	100		
115	61.9	31.3	93.9
150	157.6	0.0	349.8





#76

1,2,3-Trichloropropane

Concen: 28.990 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084483.D

Acq: 24 Oct 2024 13:10

Instrument :

MSVOA_N

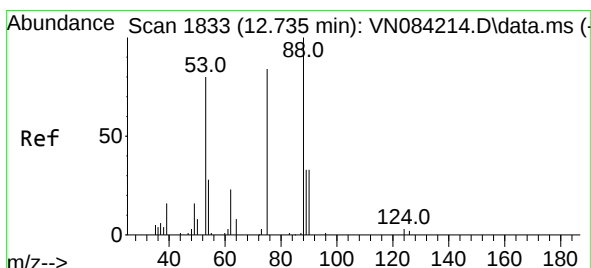
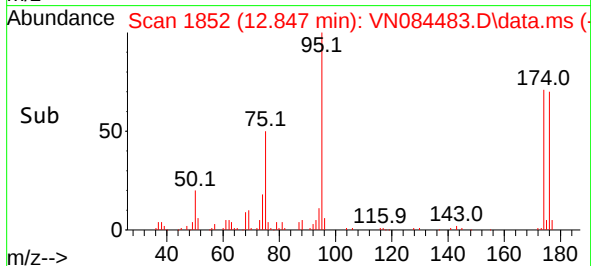
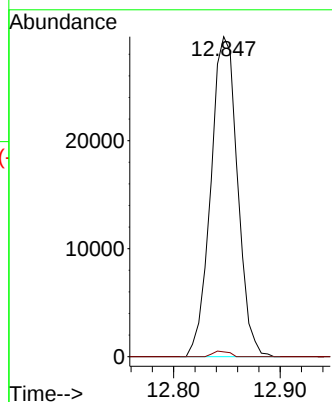
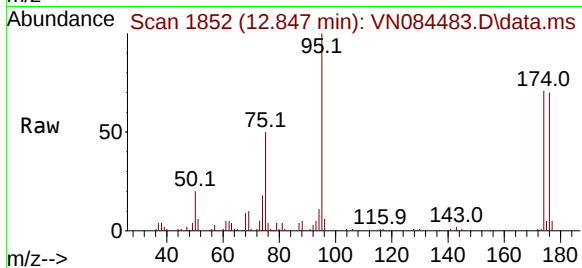
ClientSampleId :

Tgt Ion: 75 Resp: 51601

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.503 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084483.D

Acq: 24 Oct 2024 13:10

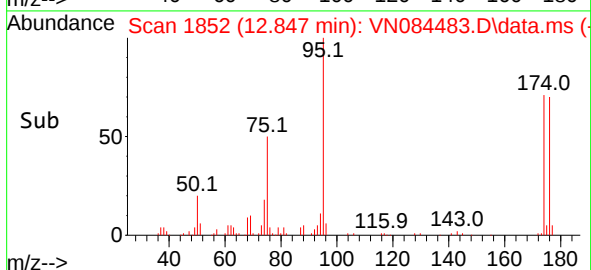
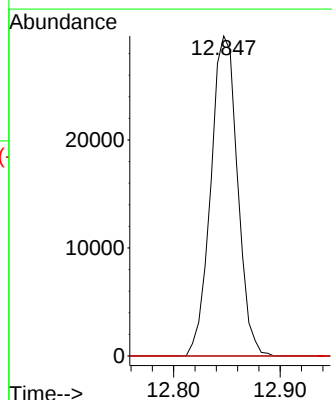
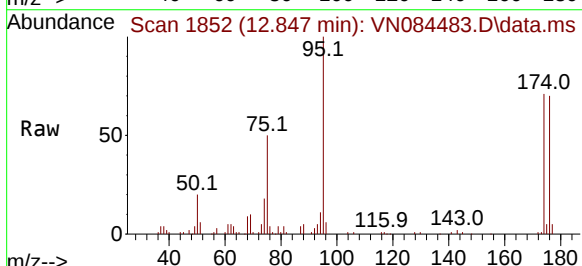
Tgt Ion: 75 Resp: 51601

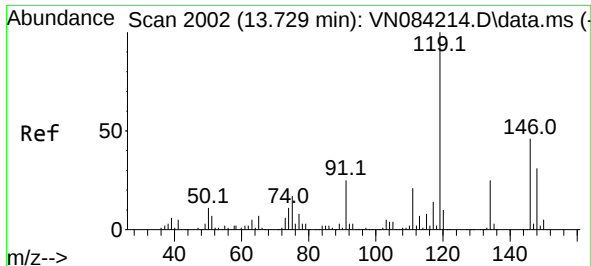
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

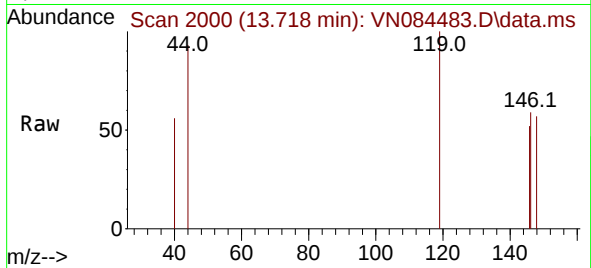
89 0.0 35.5 53.3#



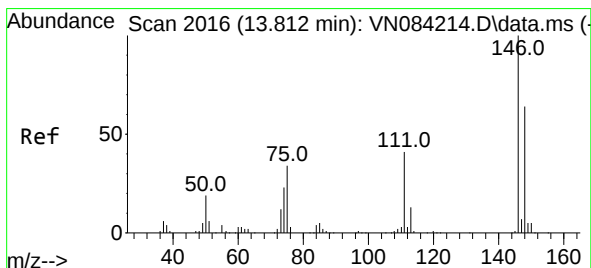
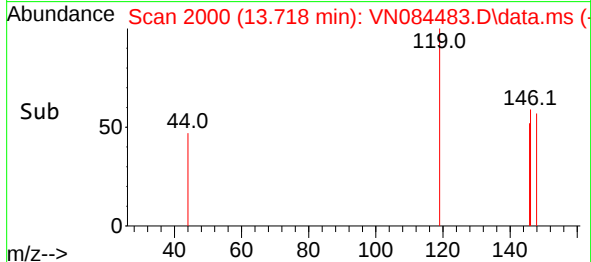
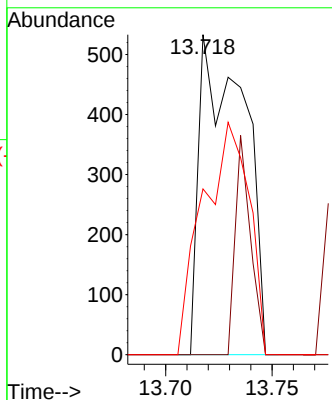


#87
 1,3-Dichlorobenzene
 Concen: 0.258 ug/l
 RT: 13.718 min Scan# 2000
 Delta R.T. -0.012 min
 Lab File: VN084483.D
 Acq: 24 Oct 2024 13:10

Instrument :
 MSVOA_N
 ClientSampleId :

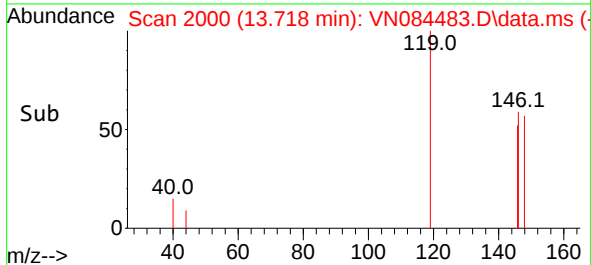
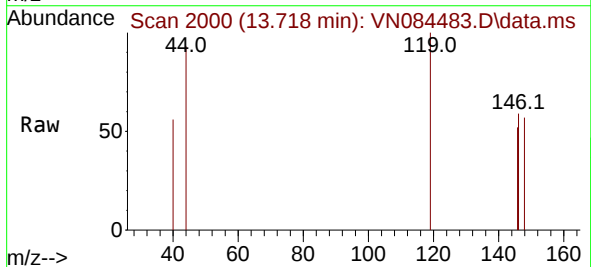
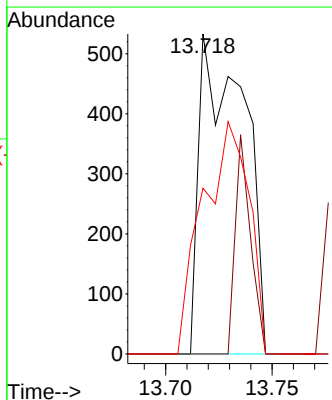


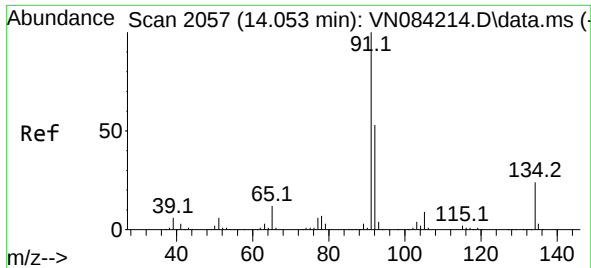
Tgt Ion:146 Resp: 778
 Ion Ratio Lower Upper
 146 100
 111 23.5 21.8 65.3
 148 75.2 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 0.256 ug/l
 RT: 13.718 min Scan# 2000
 Delta R.T. -0.094 min
 Lab File: VN084483.D
 Acq: 24 Oct 2024 13:10

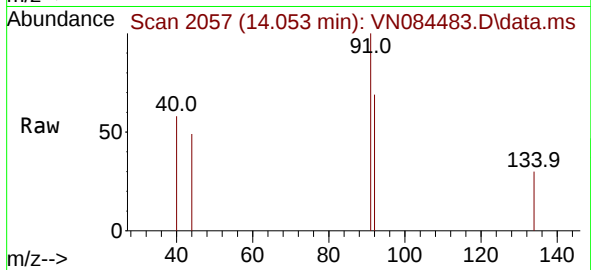
Tgt Ion:146 Resp: 778
 Ion Ratio Lower Upper
 146 100
 111 23.5 21.2 63.6
 148 75.2 31.9 95.9



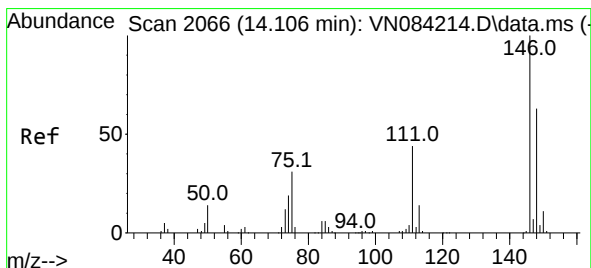
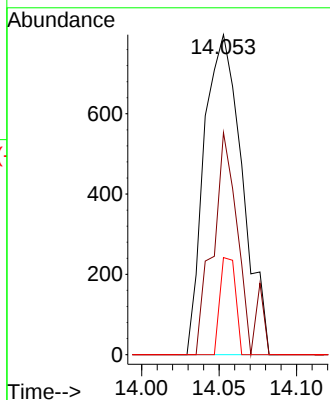
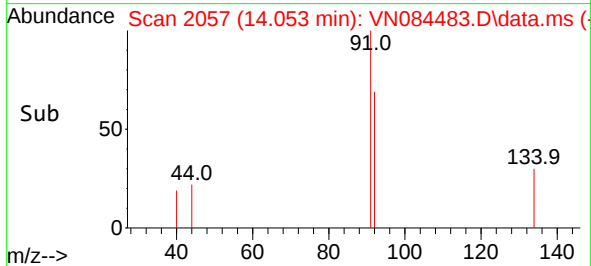


#89
n-Butylbenzene
Concen: 0.281 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN084483.D
Acq: 24 Oct 2024 13:10

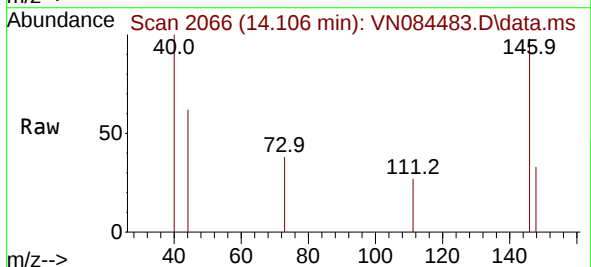
Instrument :
MSVOA_N
ClientSampleId :



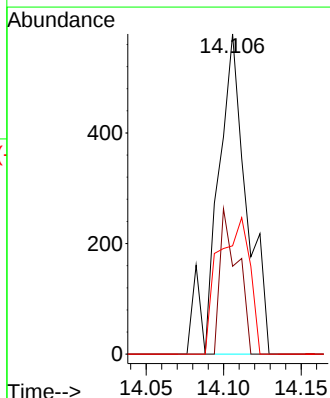
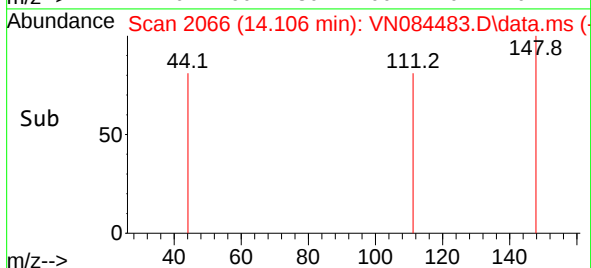
Tgt Ion:	91	Resp:	1358
Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.6	79.7
134	12.4	12.3	36.9

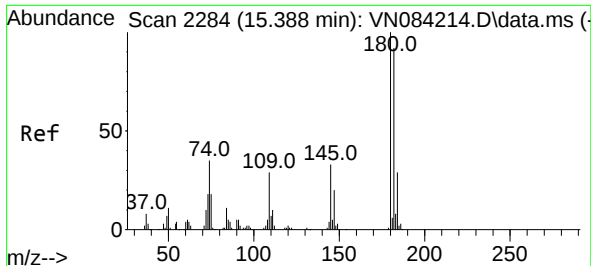


#91
1,2-Dichlorobenzene
Concen: 0.257 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN084483.D
Acq: 24 Oct 2024 13:10



Tgt Ion:	146	Resp:	760
Ion	Ratio	Lower	Upper
146	100		
111	27.6	22.0	66.0
148	45.3	32.1	96.3

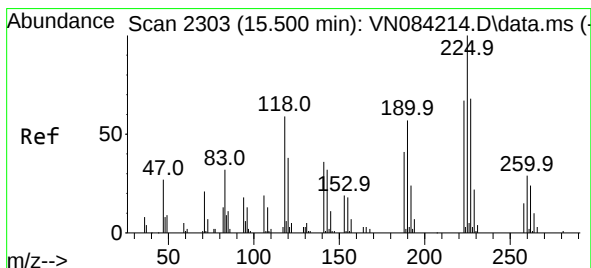
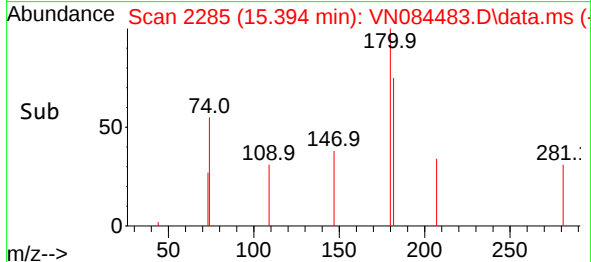
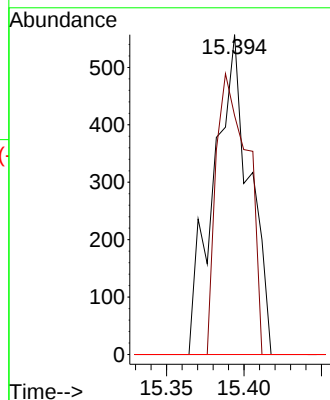
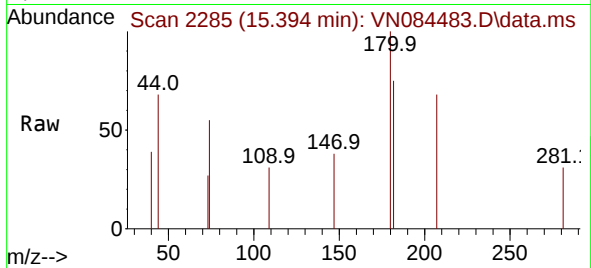




#93
1,2,4-Trichlorobenzene
Concen: 0.616 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084483.D
Acq: 24 Oct 2024 13:10

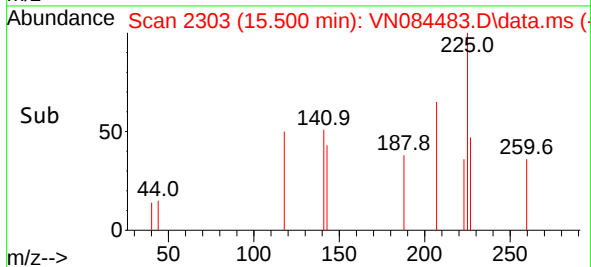
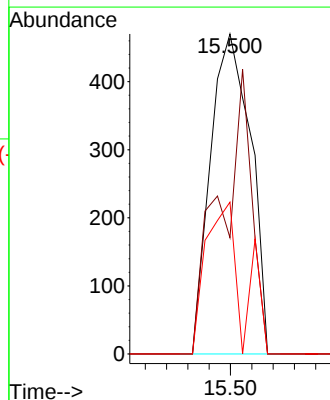
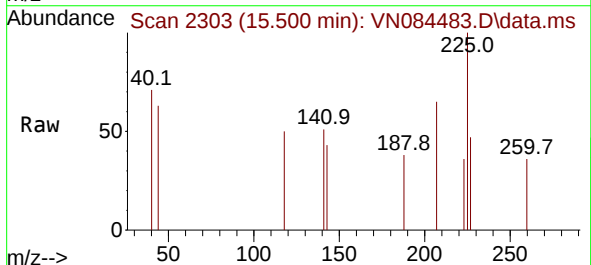
Instrument :
MSVOA_N
ClientSampleId :

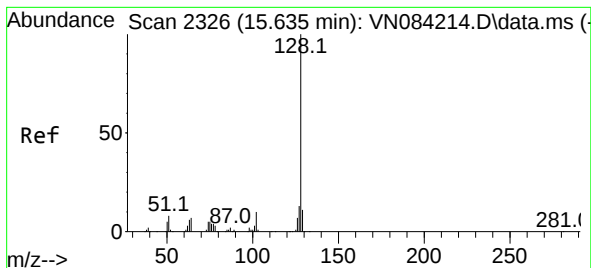
Tgt Ion:180 Resp: 896
Ion Ratio Lower Upper
180 100
182 77.7 47.0 141.0
145 0.0 16.4 49.4#



#94
Hexachlorobutadiene
Concen: 0.847 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084483.D
Acq: 24 Oct 2024 13:10

Tgt Ion:225 Resp: 614
Ion Ratio Lower Upper
225 100
223 69.1 32.4 97.2
227 43.3 32.4 97.0





#95

Naphthalene

Concen: 0.693 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN084483.D

Acq: 24 Oct 2024 13:10

Instrument :

MSVOA_N

ClientSampleId :

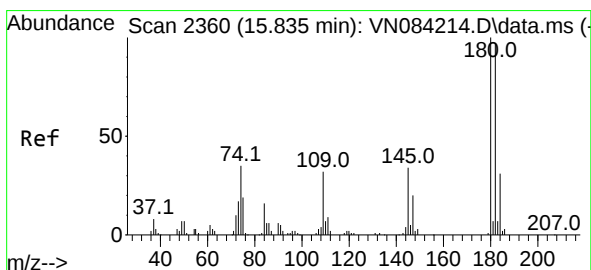
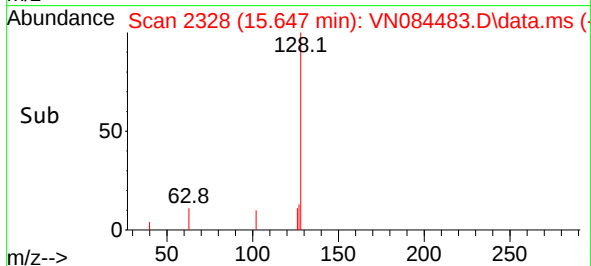
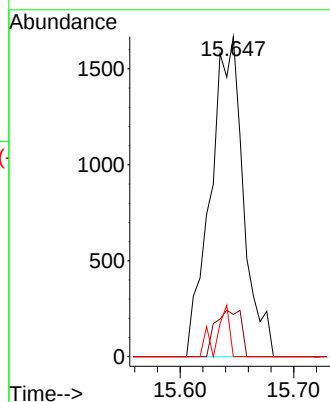
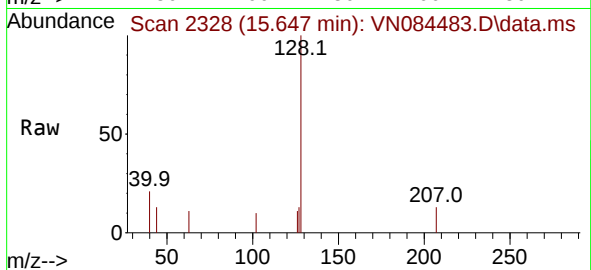
Tgt Ion:128 Resp: 3342

Ion Ratio Lower Upper

128 100

127 11.3 10.5 15.7

129 6.3 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.887 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN084483.D

Acq: 24 Oct 2024 13:10

Tgt Ion:180 Resp: 1291

Ion Ratio Lower Upper

180 100

182 79.6 48.2 144.6

145 21.1 17.3 51.9

