

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
 Data File : VN084284.D
 Acq On : 03 Oct 2024 09:18
 Operator : JC\MD
 Sample : VN1003MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003MBL01

Quant Time: Oct 04 01:28:33 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)

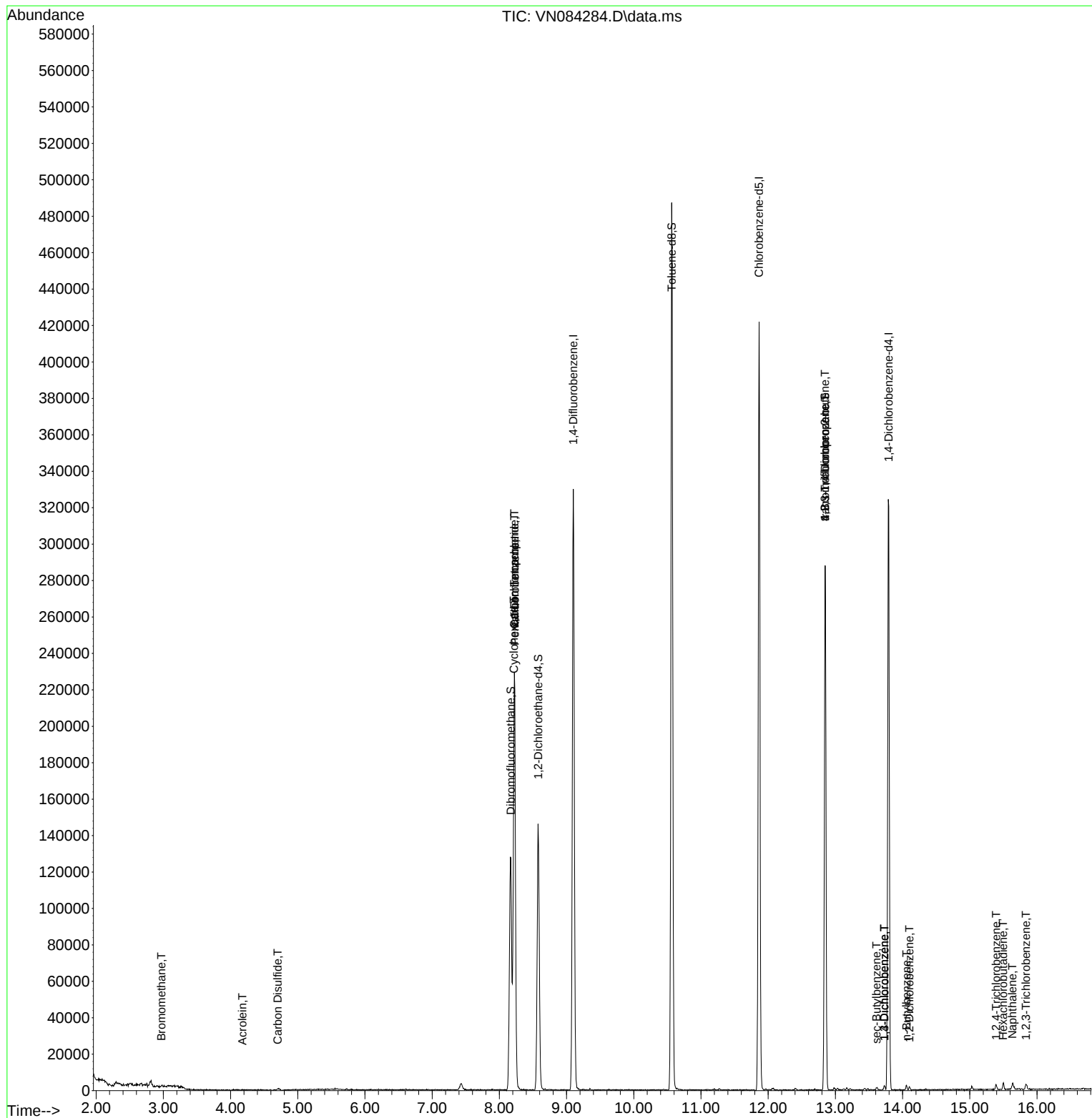
Internal Standards						
1) Pentafluorobenzene	8.229	168	158087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	274878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	85994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	118649	50.620	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.240%			
35) Dibromofluoromethane	8.171	113	94393	52.088	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.180%			
50) Toluene-d8	10.565	98	332741	49.907	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.820%			
62) 4-Bromofluorobenzene	12.847	95	99544	40.983	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 81.960%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	413	0.303	ug/l	98
13) Acrolein	4.177	56	155	0.349	ug/l #	14
17) Carbon Disulfide	4.700	76	1351	0.240	ug/l #	75
31) Cyclohexane	8.218	56	3718	1.071	ug/l #	18
36) 1,1-Dichloropropene	8.224	75	14275	5.423	ug/l #	50
38) Carbon Tetrachloride	8.224	117	17717	6.136	ug/l #	14
76) 1,2,3-Trichloropropane	12.847	75	53134	30.266	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	53134	72.560	ug/l #	11
85) sec-Butylbenzene	13.611	105	1298	0.204	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	897	0.302	ug/l	83
88) 1,4-Dichlorobenzene	13.729	146	897	0.299	ug/l	84
89) n-Butylbenzene	14.059	91	1836	0.386	ug/l	92
91) 1,2-Dichlorobenzene	14.100	146	1052	0.361	ug/l	82
93) 1,2,4-Trichlorobenzene	15.394	180	1176	0.820	ug/l	87
94) Hexachlorobutadiene	15.494	225	823	1.151	ug/l	92
95) Naphthalene	15.635	128	4324	0.909	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.835	180	1595	1.111	ug/l	83

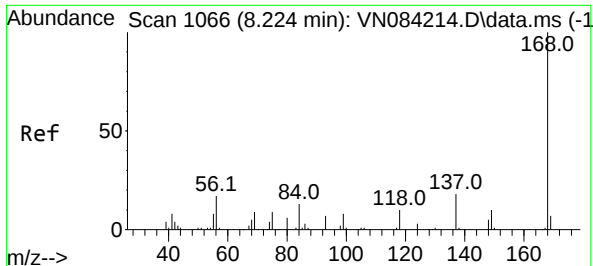
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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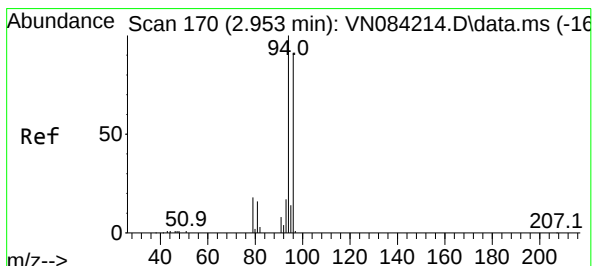
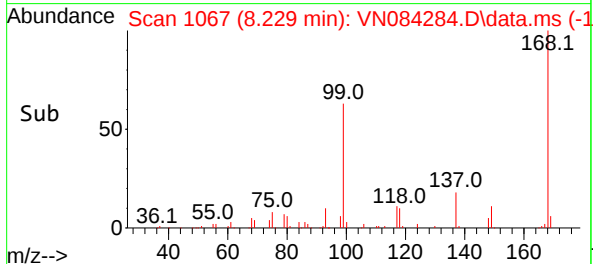
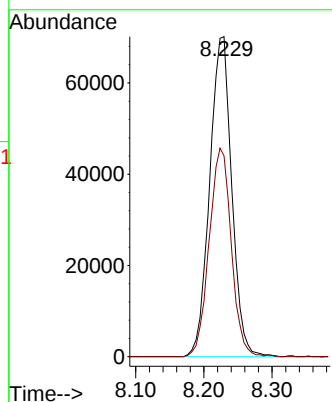
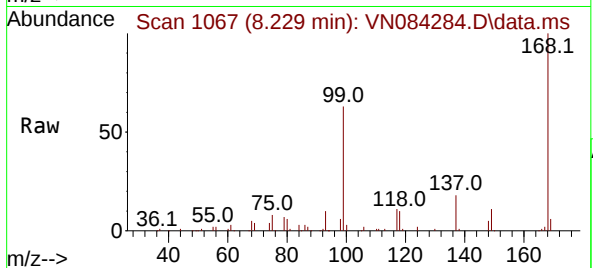




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

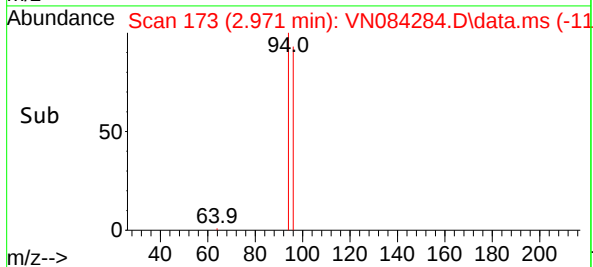
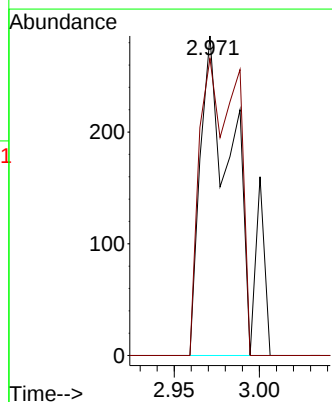
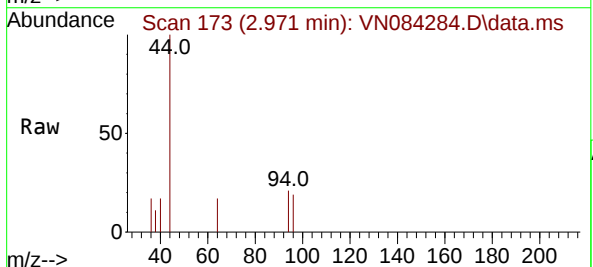
Instrument :
MSVOA_N
ClientSampleId :
VN1003MBL01

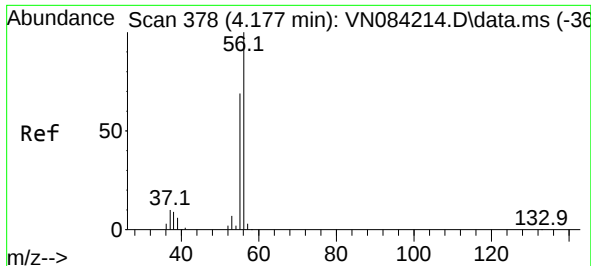
Tgt Ion:168 Resp: 158087
Ion Ratio Lower Upper
168 100
99 62.8 54.2 81.2



#5
Bromomethane
Concen: 0.303 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.018 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

Tgt Ion: 94 Resp: 413
Ion Ratio Lower Upper
94 100
96 93.0 72.9 109.3





#13

Acrolein

Concen: 0.349 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN084284.D

Acq: 03 Oct 2024 09:18

Instrument :

MSVOA_N

ClientSampleId :

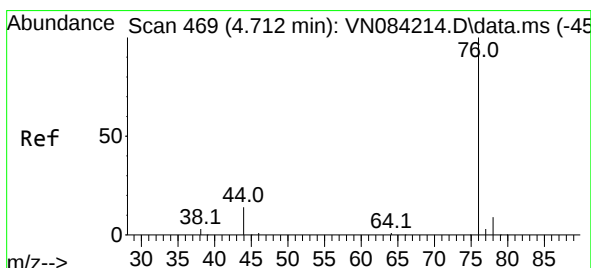
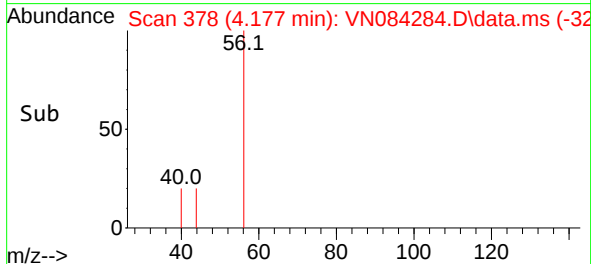
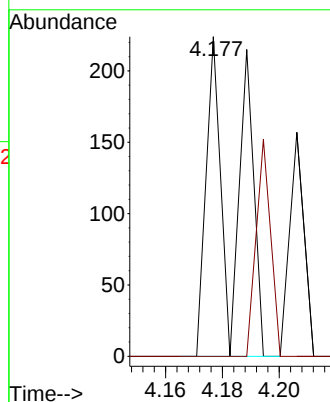
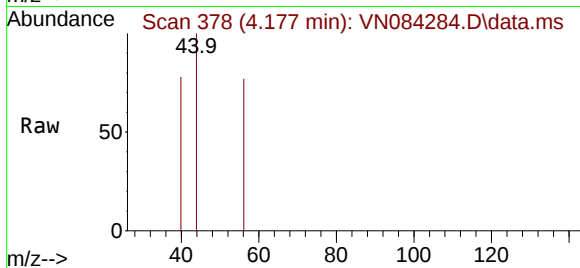
VN1003MBL01

Tgt Ion: 56 Resp: 155

Ion Ratio Lower Upper

56 100

55 0.0 57.2 85.8#



#17

Carbon Disulfide

Concen: 0.240 ug/l

RT: 4.700 min Scan# 467

Delta R.T. -0.012 min

Lab File: VN084284.D

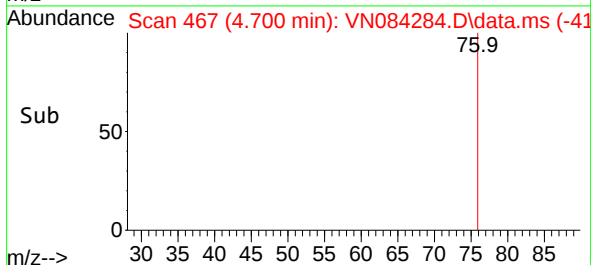
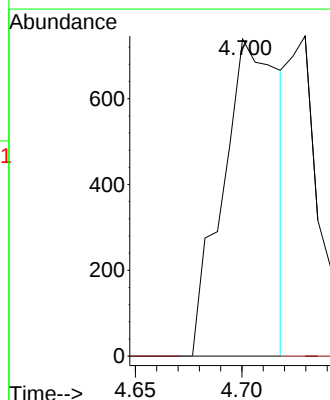
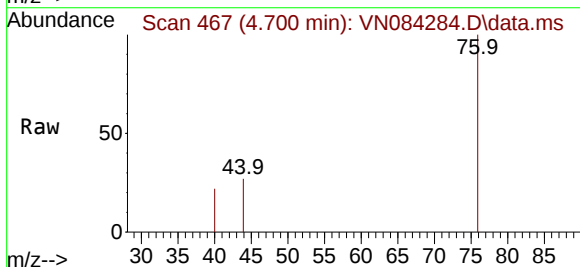
Acq: 03 Oct 2024 09:18

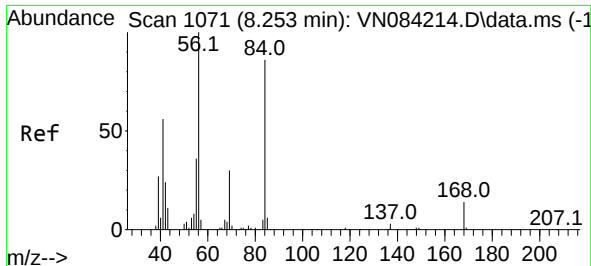
Tgt Ion: 76 Resp: 1351

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

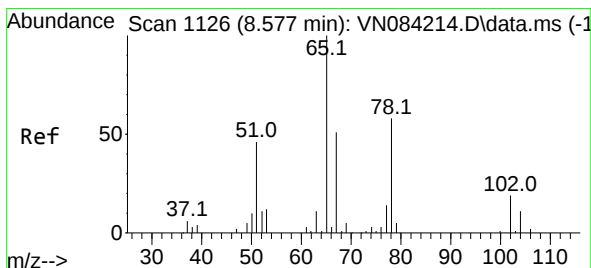
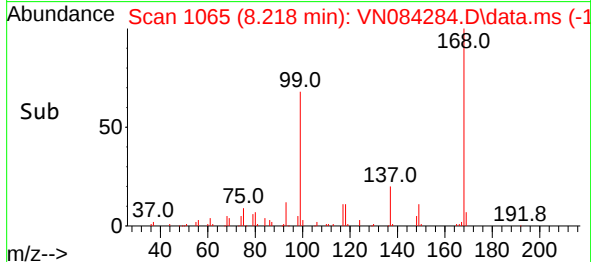
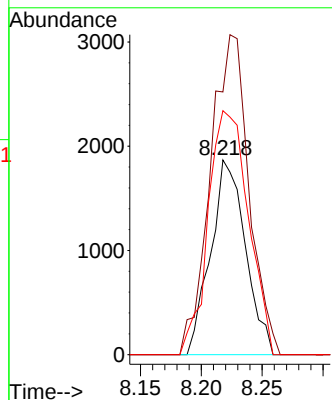
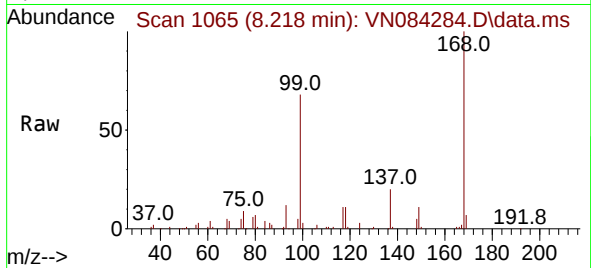




#31
Cyclohexane
Concen: 1.071 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

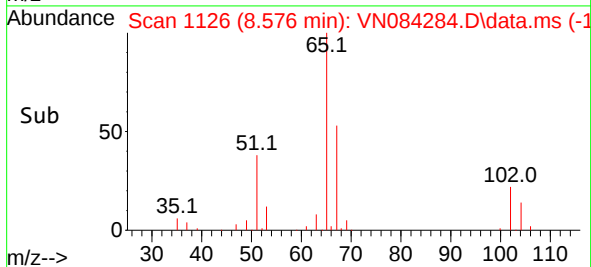
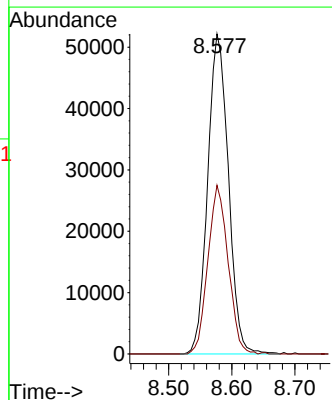
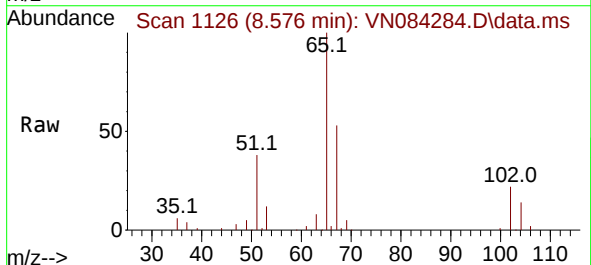
Instrument :
MSVOA_N
ClientSampleId :
VN1003MBL01

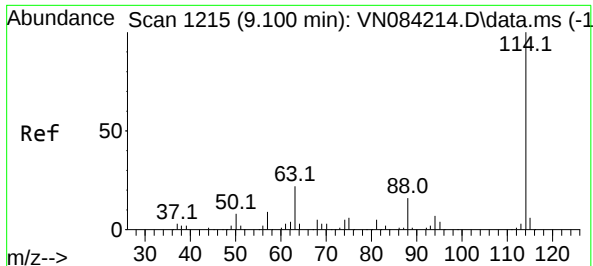
Tgt Ion: 56 Resp: 3718
Ion Ratio Lower Upper
56 100
69 135.0 23.8 35.6#
84 125.3 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 50.620 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

Tgt Ion: 65 Resp: 118649
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084284.D

Acq: 03 Oct 2024 09:18

Instrument :

MSVOA_N

ClientSampleId :

VN1003MBL01

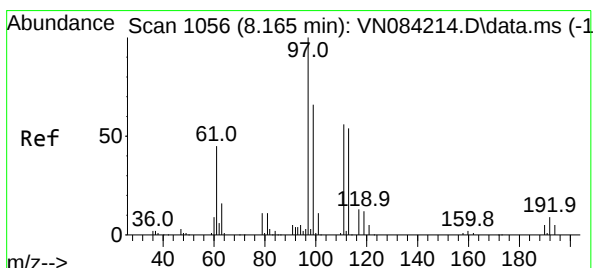
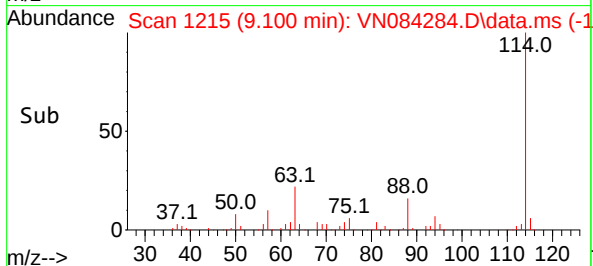
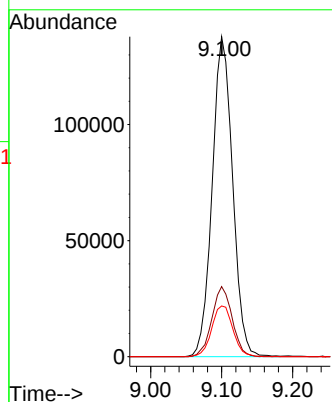
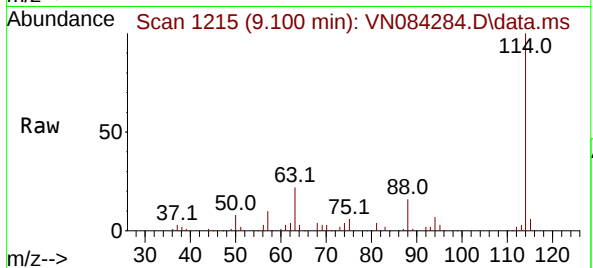
Tgt Ion:114 Resp: 274878

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

88 15.8 0.0 31.6



#35

Dibromofluoromethane

Concen: 52.088 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084284.D

Acq: 03 Oct 2024 09:18

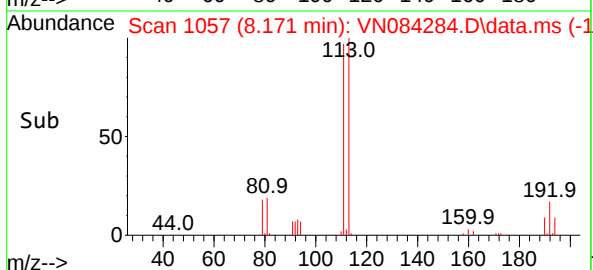
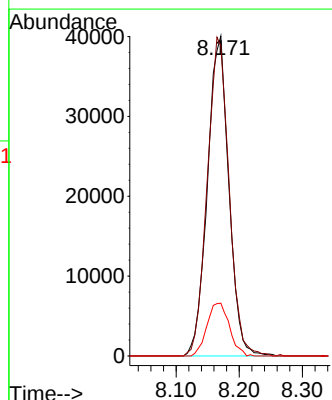
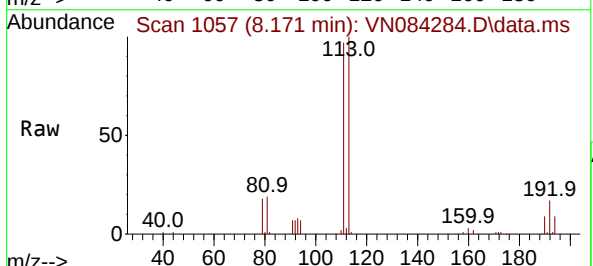
Tgt Ion:113 Resp: 94393

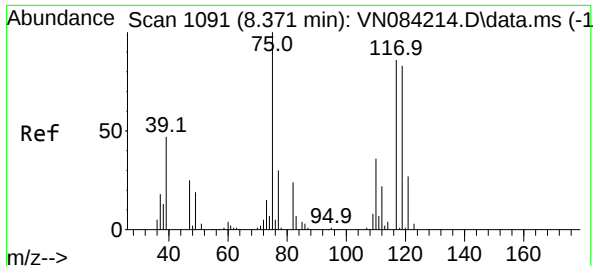
Ion Ratio Lower Upper

113 100

111 101.0 83.3 124.9

192 17.3 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.423 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084284.D

Acq: 03 Oct 2024 09:18

Instrument :

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ClientSampleId :

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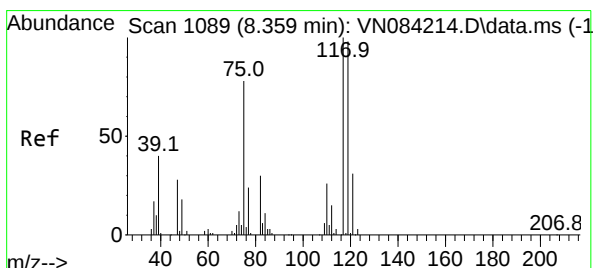
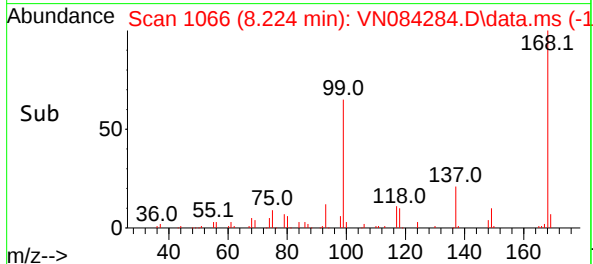
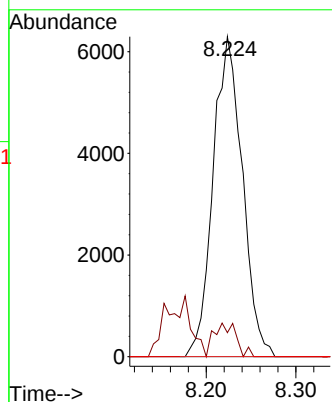
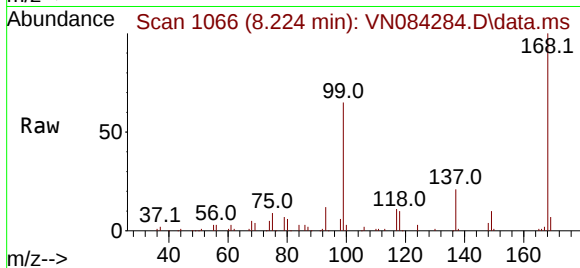
Tgt Ion: 75 Resp: 14275

Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.136 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084284.D

Acq: 03 Oct 2024 09:18

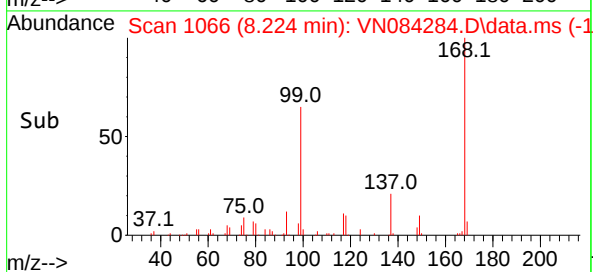
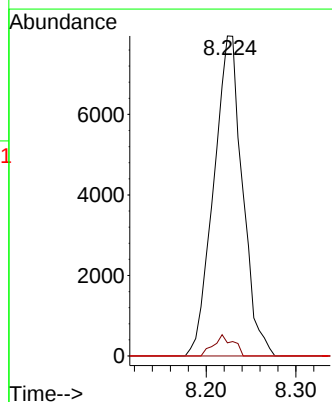
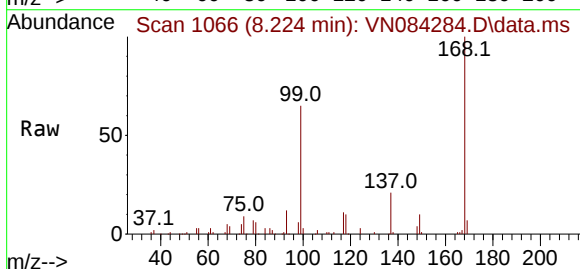
Tgt Ion: 117 Resp: 17717

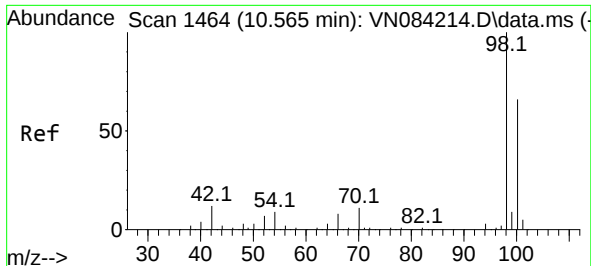
Ion Ratio Lower Upper

117 100

119 4.1 78.7 118.1#

121 0.0 24.4 36.6#

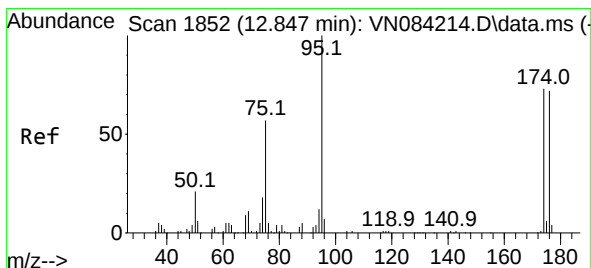
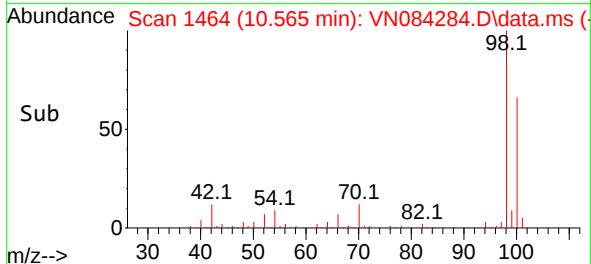
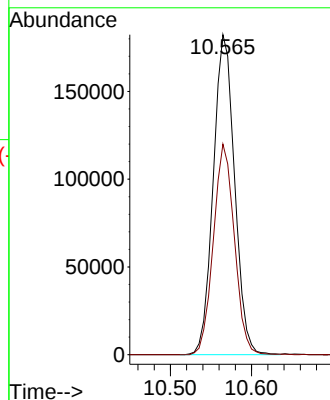
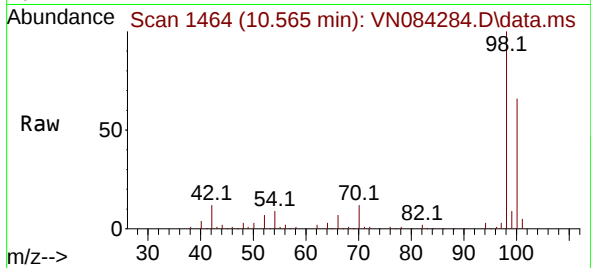




#50
Toluene-d8
Concen: 49.907 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

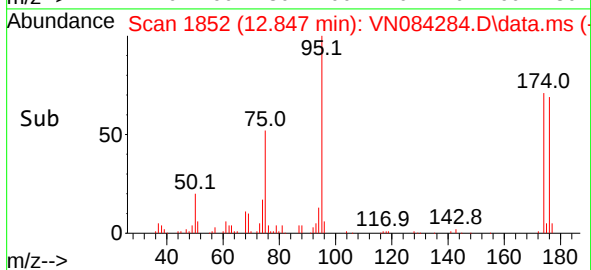
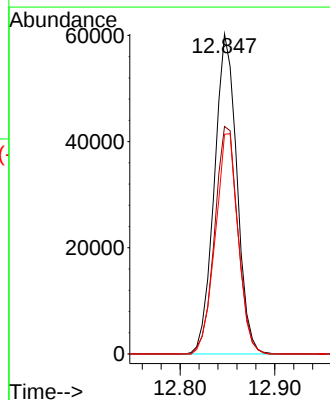
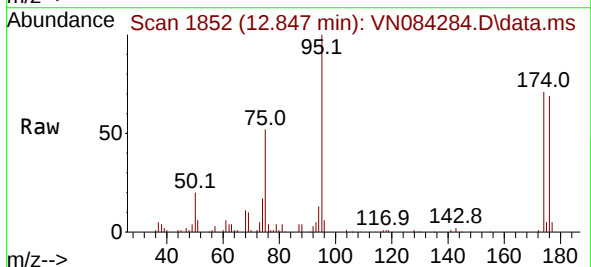
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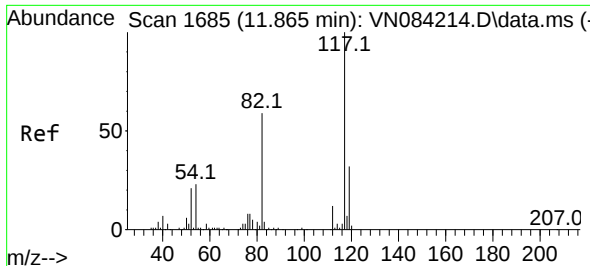
Tgt Ion: 98 Resp: 332741
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 40.983 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

Tgt Ion: 95 Resp: 99544
Ion Ratio Lower Upper
95 100
174 73.2 0.0 145.2
176 69.9 0.0 140.0

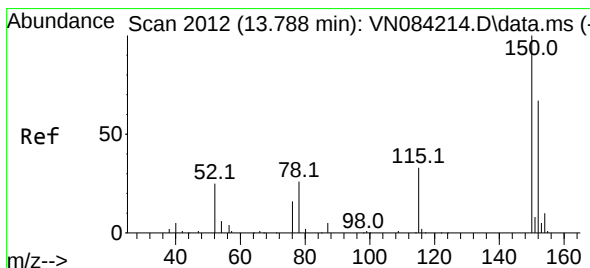
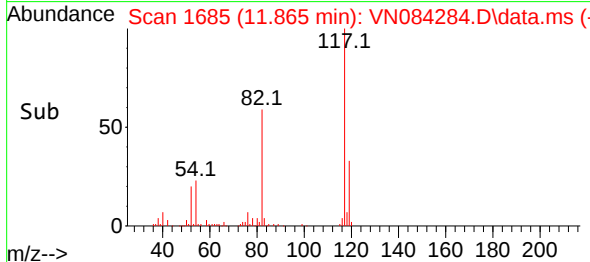
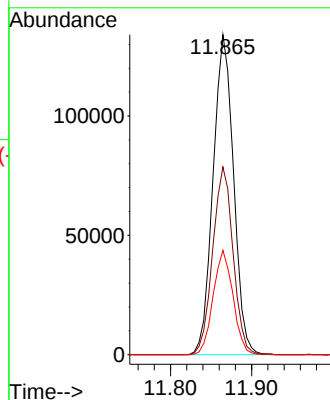
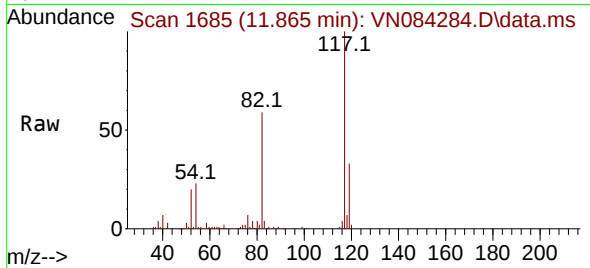




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

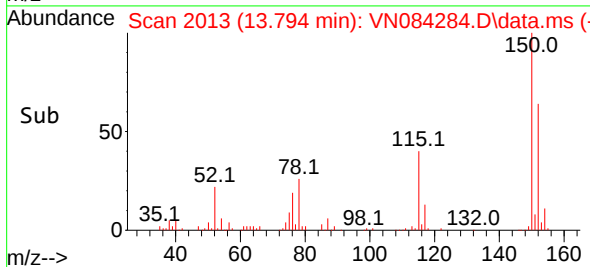
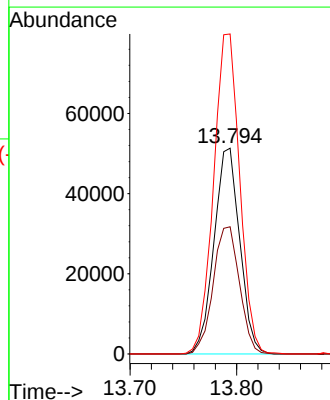
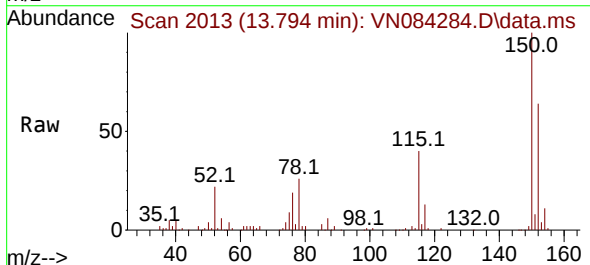
Instrument :
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ClientSampleId :
VN1003MBL01

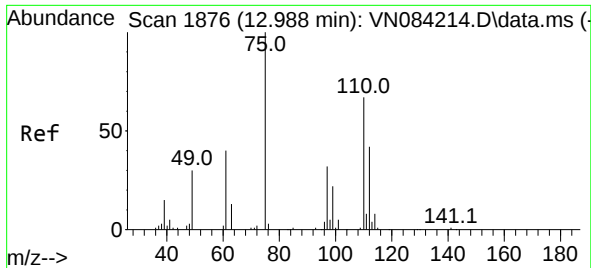
Tgt Ion:117 Resp: 235277
Ion Ratio Lower Upper
117 100
82 58.7 47.2 70.8
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

Tgt Ion:152 Resp: 85994
Ion Ratio Lower Upper
152 100
115 63.3 31.3 93.9
150 157.8 0.0 349.8

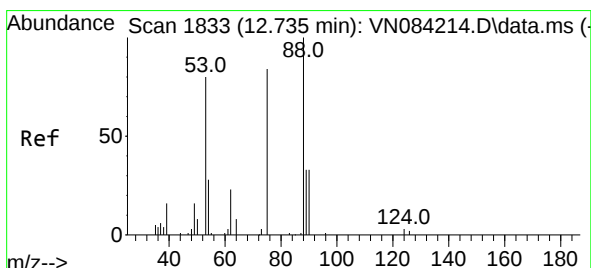
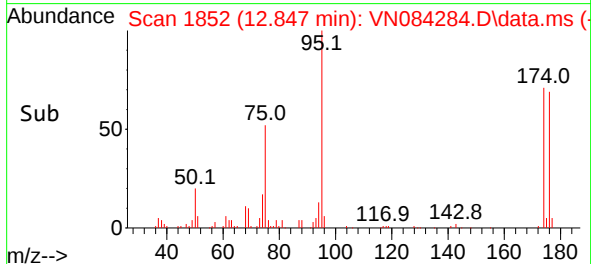
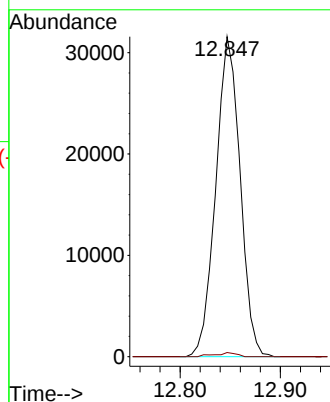
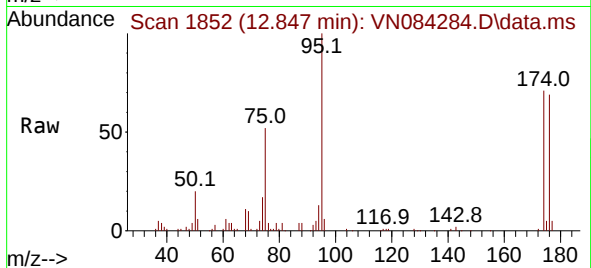




#76
1,2,3-Trichloropropane
Concen: 30.266 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

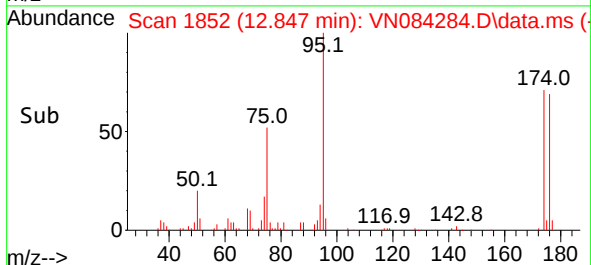
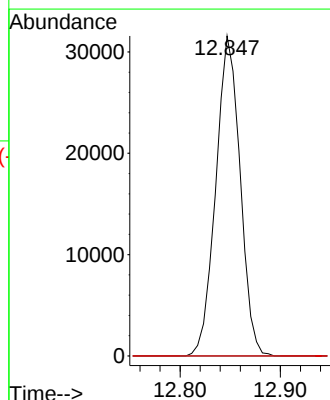
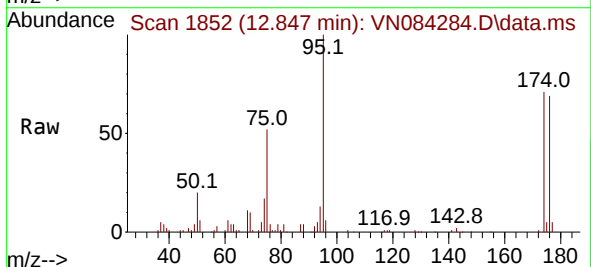
Instrument :
MSVOA_N
ClientSampleId :
VN1003MBL01

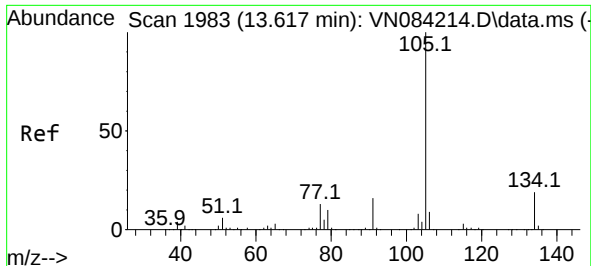
Tgt Ion: 75 Resp: 53134
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.560 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

Tgt Ion: 75 Resp: 53134
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

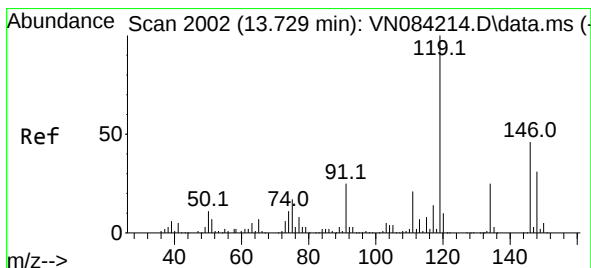
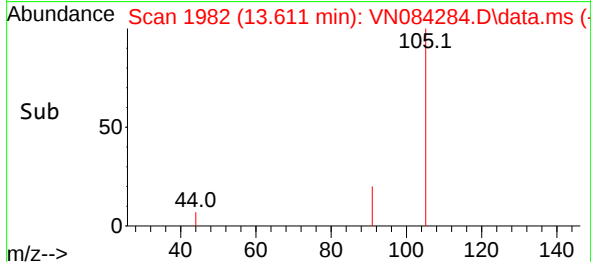
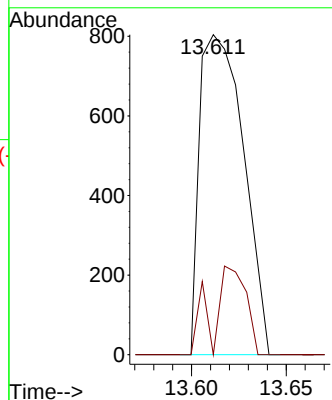
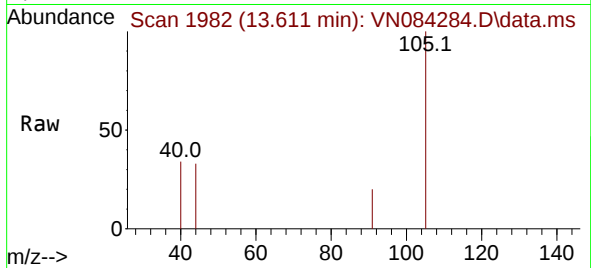




#85
 sec-Butylbenzene
 Concen: 0.204 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: VN084284.D
 Acq: 03 Oct 2024 09:18

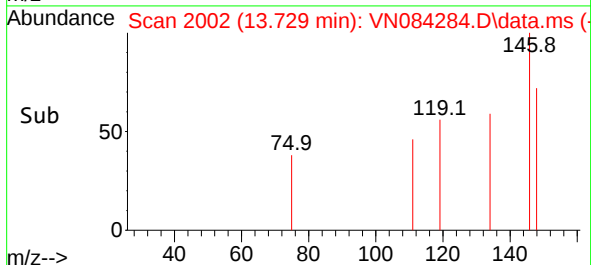
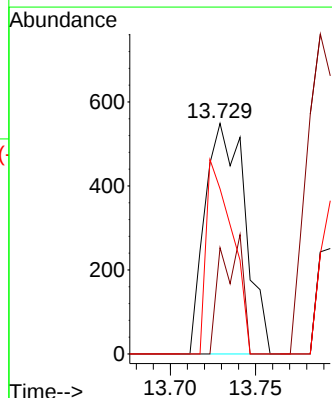
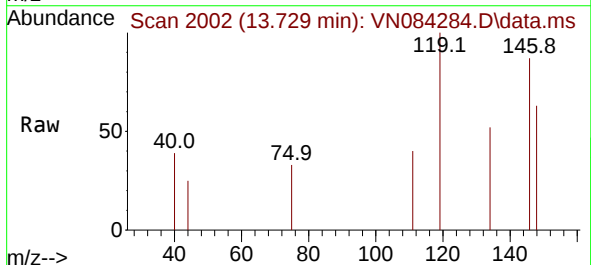
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003MBL01

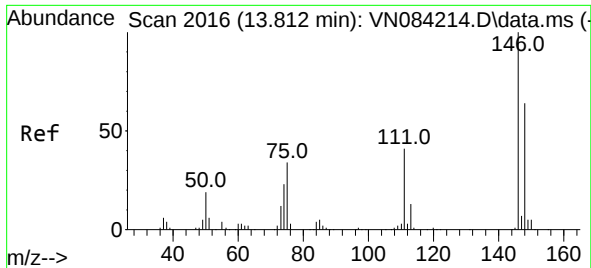
Tgt Ion:105 Resp: 1298
 Ion Ratio Lower Upper
 105 100
 134 21.0 9.8 29.4



#87
 1,3-Dichlorobenzene
 Concen: 0.302 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN084284.D
 Acq: 03 Oct 2024 09:18

Tgt Ion:146 Resp: 897
 Ion Ratio Lower Upper
 146 100
 111 27.6 21.8 65.3
 148 54.5 31.9 95.7

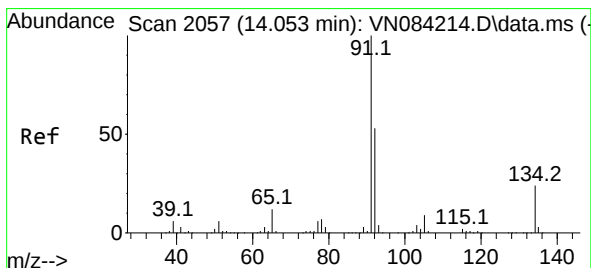
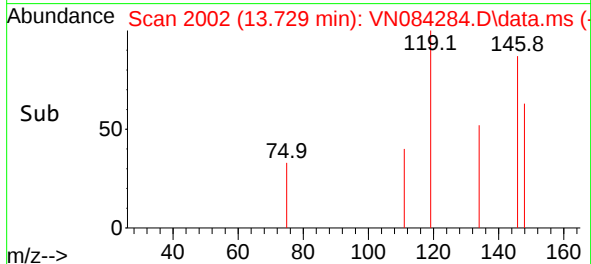
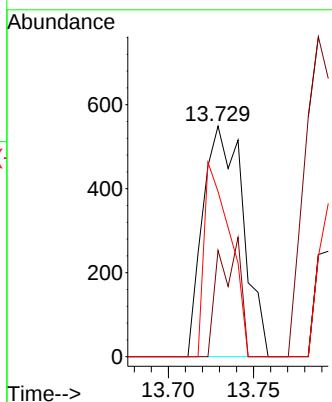
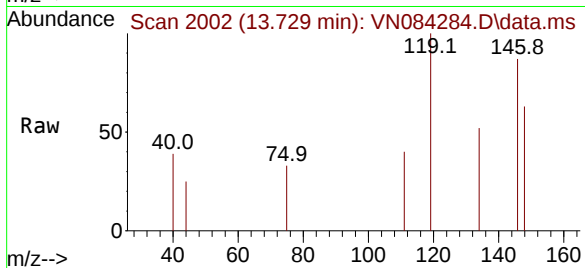




#88
1,4-Dichlorobenzene
Concen: 0.299 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.082 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

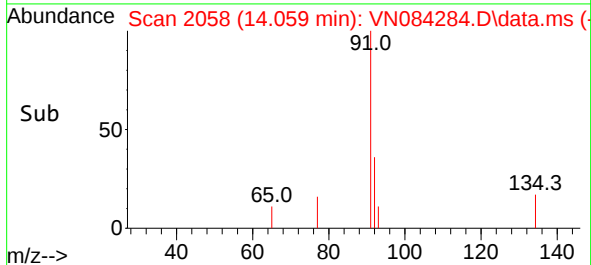
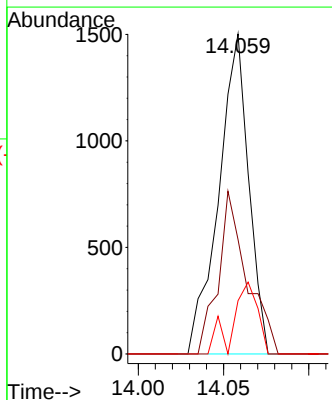
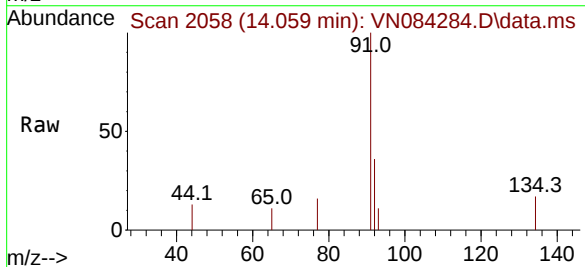
Instrument :
MSVOA_N
ClientSampleId :
VN1003MBL01

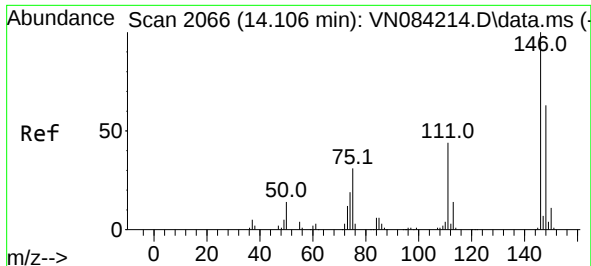
Tgt Ion:146 Resp: 897
Ion Ratio Lower Upper
146 100
111 27.6 21.2 63.6
148 54.5 31.9 95.9



#89
n-Butylbenzene
Concen: 0.386 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

Tgt Ion: 91 Resp: 1836
Ion Ratio Lower Upper
91 100
92 48.7 26.6 79.7
134 18.8 12.3 36.9





#91

1,2-Dichlorobenzene

Concen: 0.361 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN084284.D

Acq: 03 Oct 2024 09:18

Instrument :

MSVOA_N

ClientSampleId :

VN1003MBL01

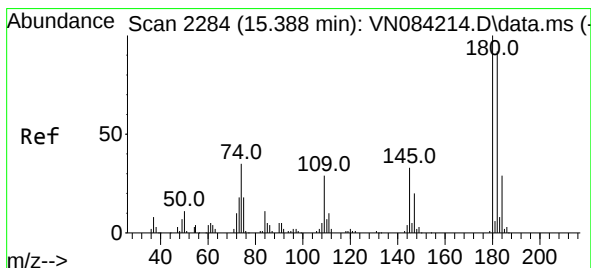
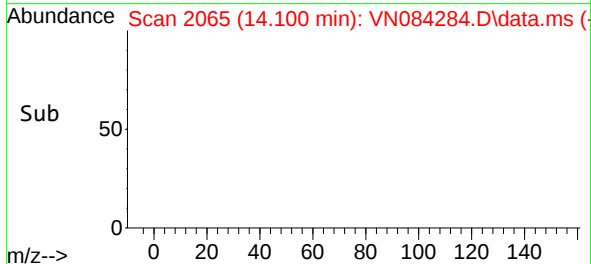
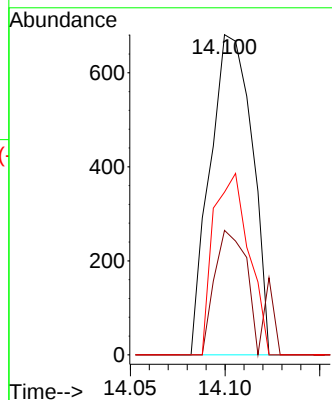
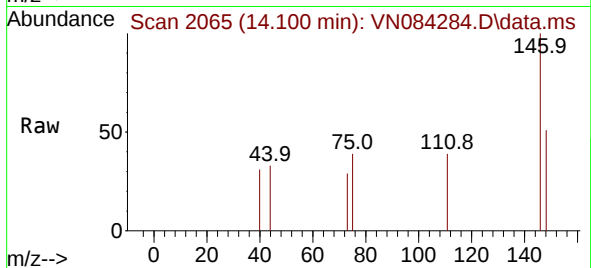
Tgt Ion:146 Resp: 1052

Ion Ratio Lower Upper

146 100

111 34.7 22.0 66.0

148 47.9 32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 0.820 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN084284.D

Acq: 03 Oct 2024 09:18

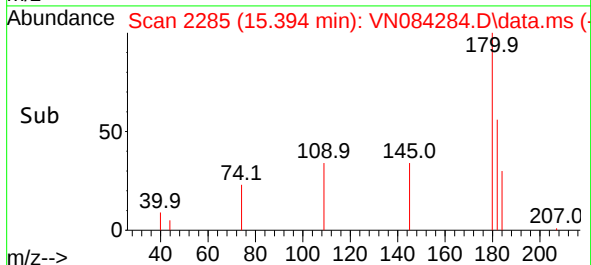
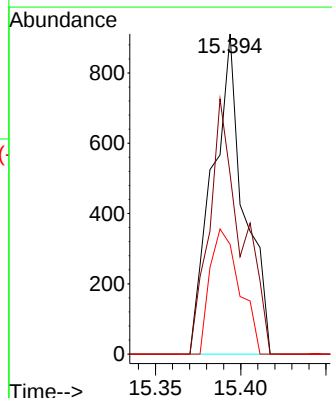
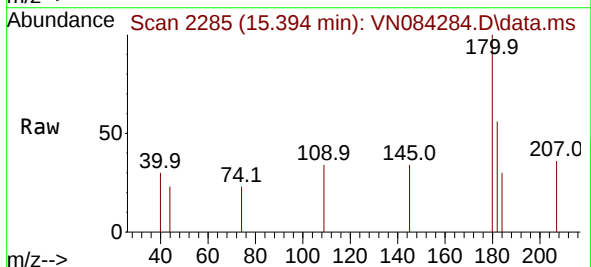
Tgt Ion:180 Resp: 1176

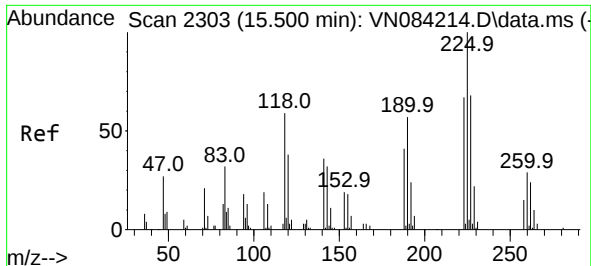
Ion Ratio Lower Upper

180 100

182 79.9 47.0 141.0

145 36.9 16.4 49.4

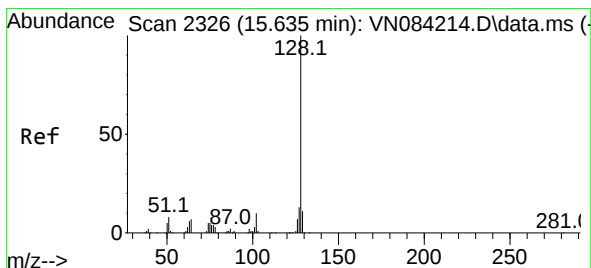
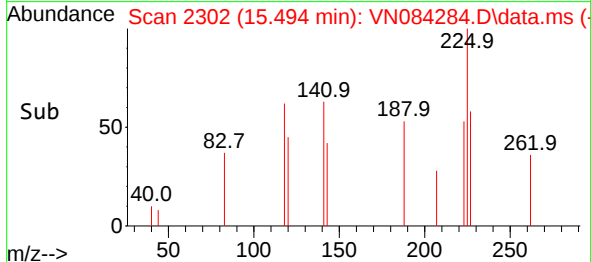
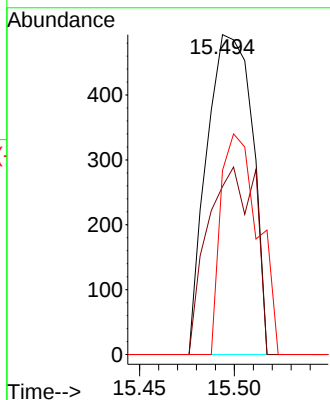
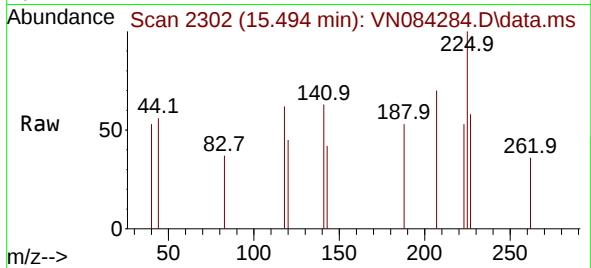




#94
Hexachlorobutadiene
Concen: 1.151 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

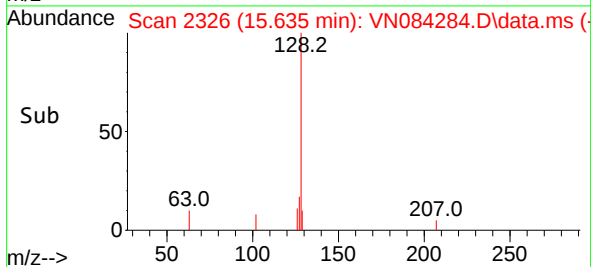
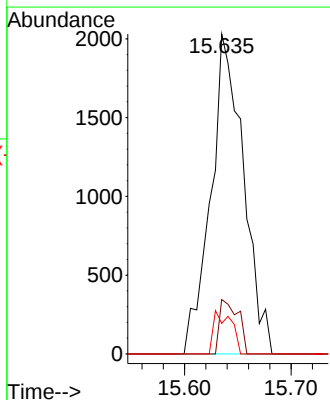
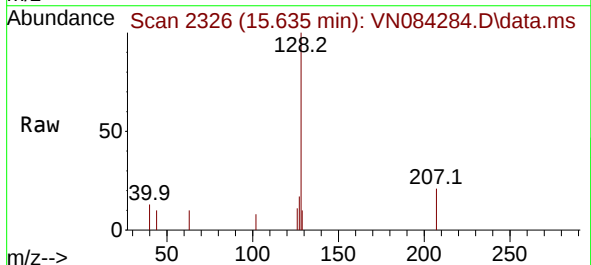
Instrument :
MSVOA_N
ClientSampleId :
VN1003MBL01

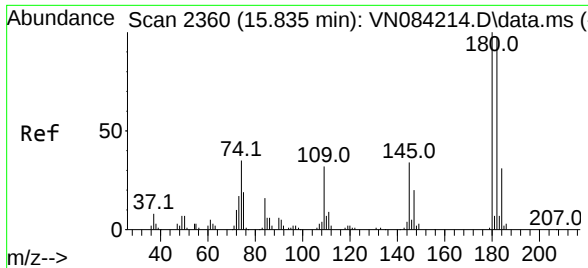
Tgt Ion:225 Resp: 823
Ion Ratio Lower Upper
225 100
223 61.0 32.4 97.2
227 56.4 32.4 97.0



#95
Naphthalene
Concen: 0.909 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN084284.D
Acq: 03 Oct 2024 09:18

Tgt Ion:128 Resp: 4324
Ion Ratio Lower Upper
128 100
127 9.6 10.5 15.7#
129 7.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.111 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN084284.D
 Acq: 03 Oct 2024 09:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003MBL01

Tgt Ion:	180	Resp:	1595
Ion	Ratio	Lower	Upper
180	100		
182	77.3	48.2	144.6
145	29.3	17.3	51.9

