

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
 Data File : VN084650.D
 Acq On : 04 Nov 2024 12:14
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

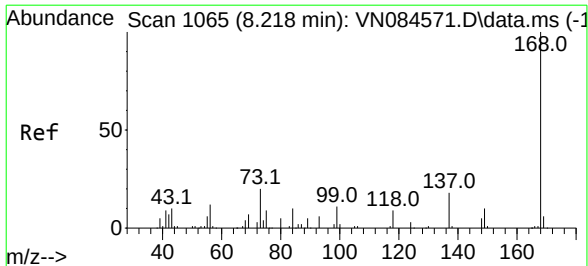
Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Nov 05 01:28:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

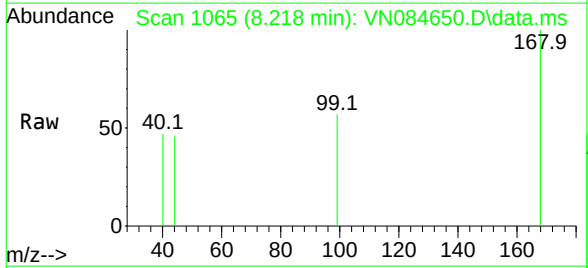
Internal Standards						
1) Pentafluorobenzene	8.218	168	934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	1891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	5398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	6067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	676	50.111	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.220%			
35) Dibromofluoromethane	8.159	113	308	24.063	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 48.120%#			
50) Toluene-d8	10.559	98	3049	64.666	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 129.340%#			
62) 4-Bromofluorobenzene	12.847	95	8542	484.746	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 969.500%#			
Target Compounds						
					Qvalue	
44) Trichloroethene	9.341	130	438	33.314	ug/l	97
65) Chlorobenzene	11.882	112	1784	14.773	ug/l #	85
67) Ethyl Benzene	11.959	91	1819	9.024	ug/l #	84
68) m/p-Xylenes	12.070	106	1361	17.834	ug/l	88
69) o-Xylene	12.400	106	398	5.575	ug/l	80
70) Styrene	12.406	104	1532	12.301	ug/l #	67
73) Isopropylbenzene	12.694	105	1517	3.568	ug/l	84
77) Bromobenzene	12.982	156	998	8.732	ug/l	69
78) n-propylbenzene	13.035	91	2900	5.821	ug/l	90
79) 2-Chlorotoluene	13.123	91	1640	5.038	ug/l	87
80) 1,3,5-Trimethylbenzene	13.170	105	1213	3.442	ug/l	73
82) 4-Chlorotoluene	13.223	91	2865	8.363	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	1384	3.805	ug/l	88
85) sec-Butylbenzene	13.617	105	1741	4.226	ug/l	90
86) p-Isopropyltoluene	13.723	119	1566	4.635	ug/l	86
87) 1,3-Dichlorobenzene	13.729	146	2492	11.172	ug/l	91
88) 1,4-Dichlorobenzene	13.811	146	3057	14.182	ug/l	96
89) n-Butylbenzene	14.047	91	2671	8.452	ug/l	90
91) 1,2-Dichlorobenzene	14.111	146	1700	7.931	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	1893	16.135	ug/l	100
94) Hexachlorobutadiene	15.500	225	429	8.327	ug/l	82
95) Naphthalene	15.641	128	4135	11.775	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.829	180	1715	15.059	ug/l	95

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

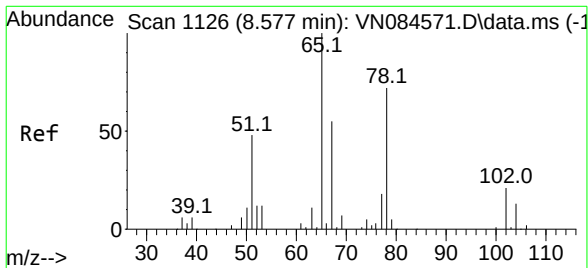
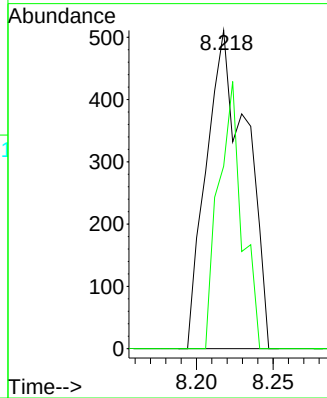
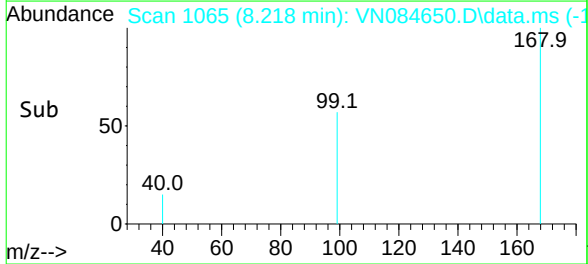


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084650.D
Acq: 04 Nov 2024 12:14

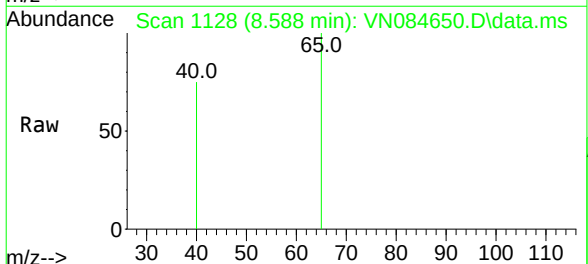
Instrument :
MSVOA_N
ClientSampleId :
VIBLK



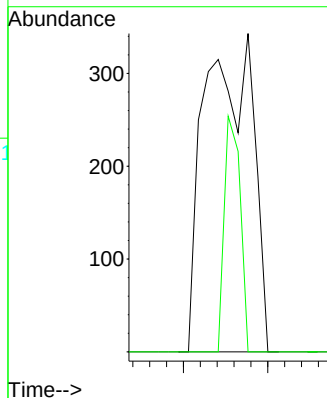
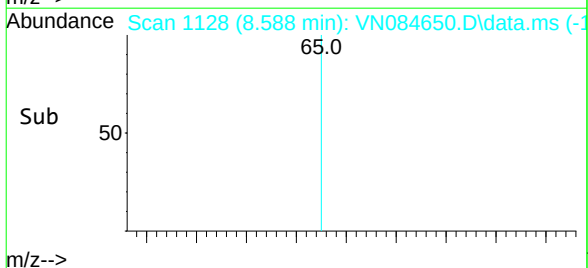
Tgt Ion:168 Resp: 934
Ion Ratio Lower Upper
168 100
99 57.3 54.2 81.2

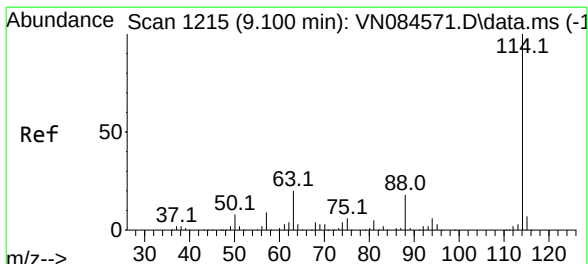


#33
1,2-Dichloroethane-d4
Concen: 50.111 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VN084650.D
Acq: 04 Nov 2024 12:14



Tgt Ion: 65 Resp: 676
Ion Ratio Lower Upper
65 100
67 24.6 0.0 102.0

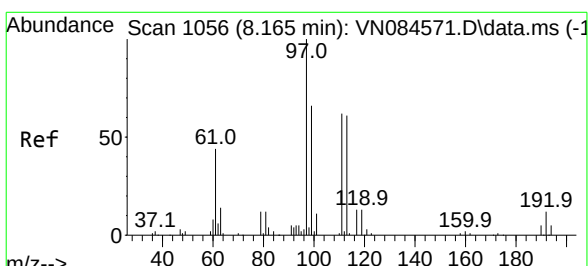
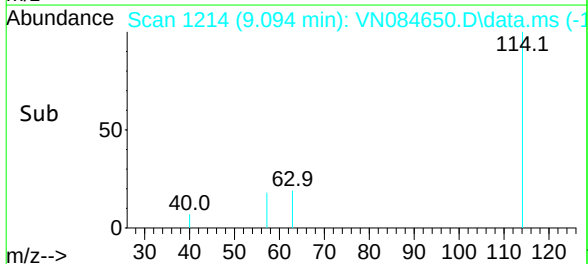
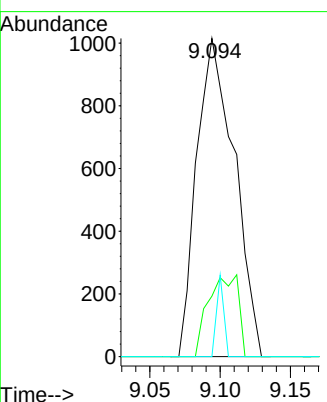
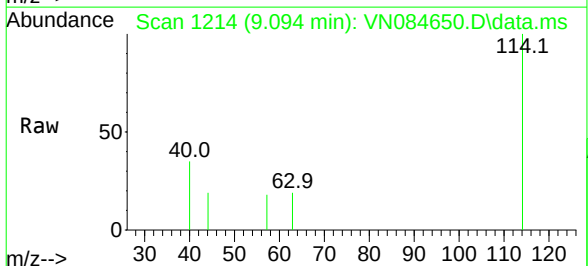




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN084650.D
 Acq: 04 Nov 2024 12:14

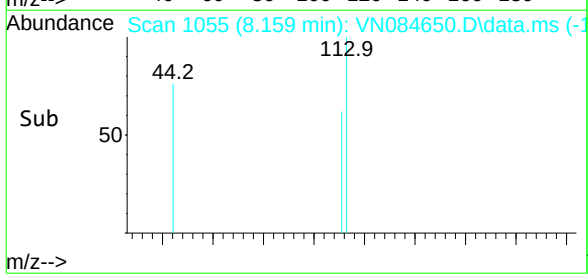
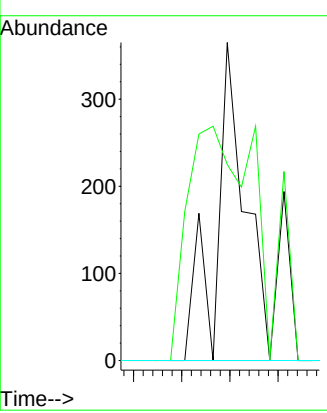
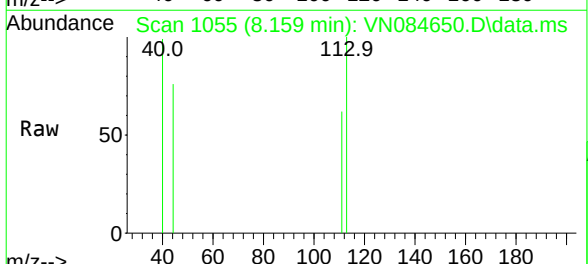
Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

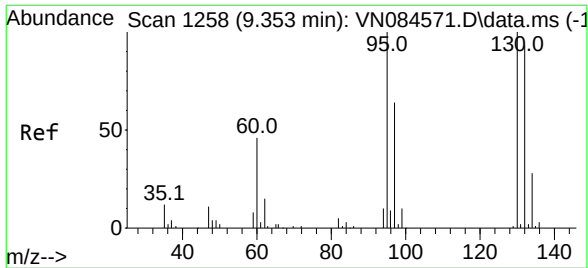
Tgt Ion:	114	Resp:	1891
Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	43.8
88	0.0	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 24.063 ug/l
 RT: 8.159 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VN084650.D
 Acq: 04 Nov 2024 12:14

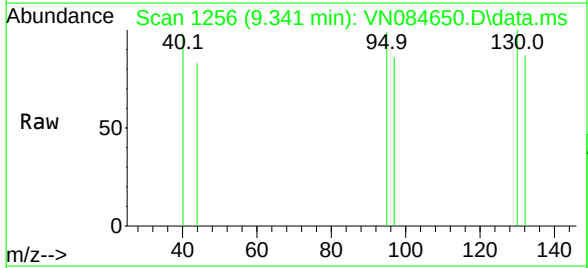
Tgt Ion:	113	Resp:	308
Ion	Ratio	Lower	Upper
113	100		
111	184.4	83.3	124.9#
192	0.0	13.5	20.3#



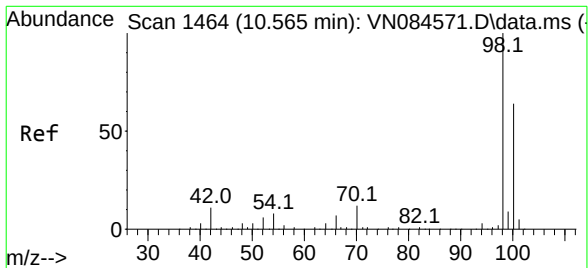
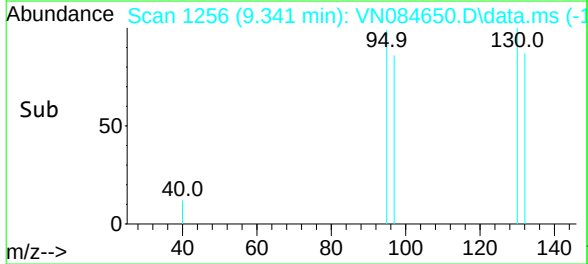
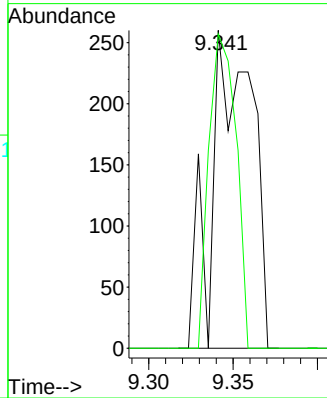


#44
 Trichloroethene
 Concen: 33.314 ug/l
 RT: 9.341 min Scan# 1256
 Delta R.T. -0.006 min
 Lab File: VN084650.D
 Acq: 04 Nov 2024 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

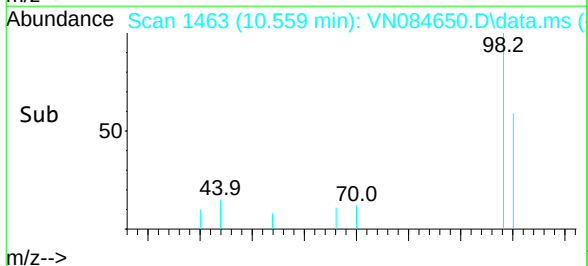
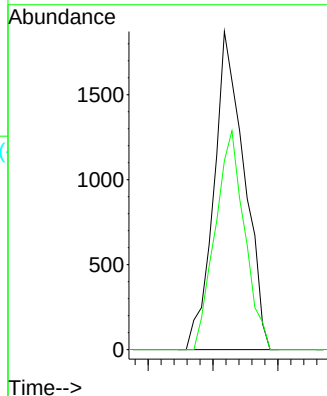
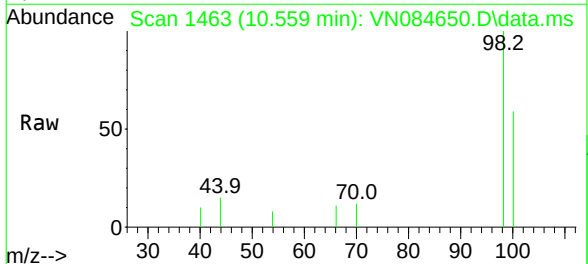


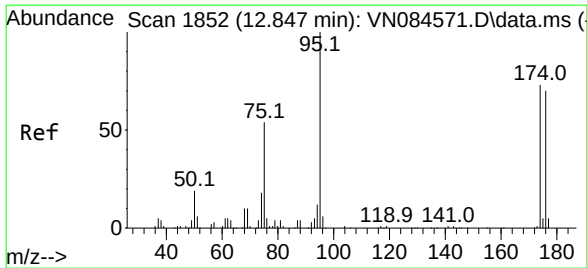
Tgt Ion:130 Resp: 438
 Ion Ratio Lower Upper
 130 100
 95 98.8 0.0 203.0



#50
 Toluene-d8
 Concen: 64.666 ug/l
 RT: 10.559 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: VN084650.D
 Acq: 04 Nov 2024 12:14

Tgt Ion: 98 Resp: 3049
 Ion Ratio Lower Upper
 98 100
 100 66.5 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 484.746 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084650.D

Acq: 04 Nov 2024 12:14

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

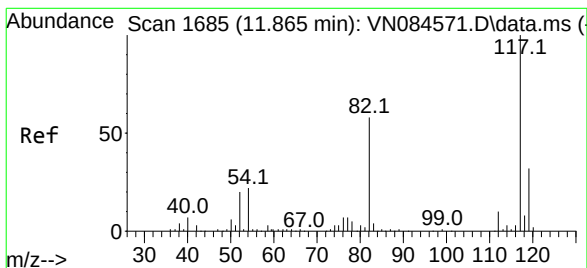
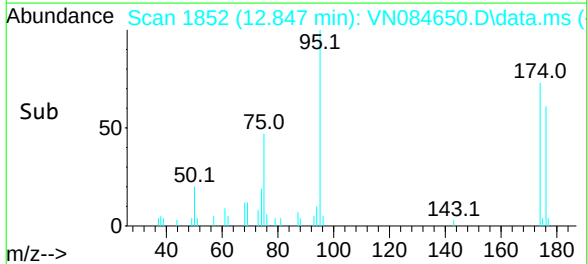
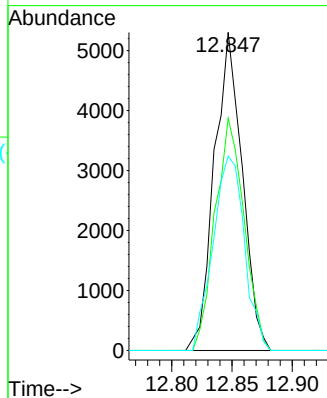
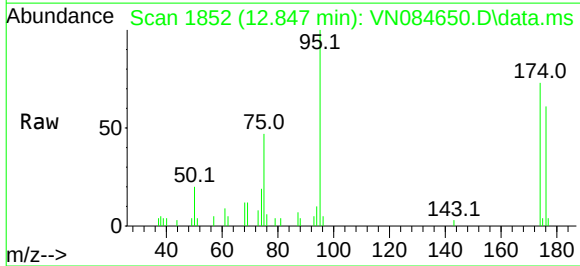
Tgt Ion: 95 Resp: 8542

Ion Ratio Lower Upper

95 100

174 76.0 0.0 145.2

176 68.8 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: VN084650.D

Acq: 04 Nov 2024 12:14

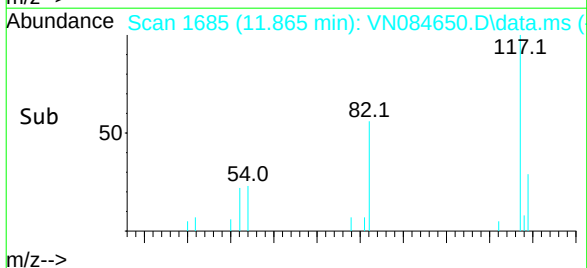
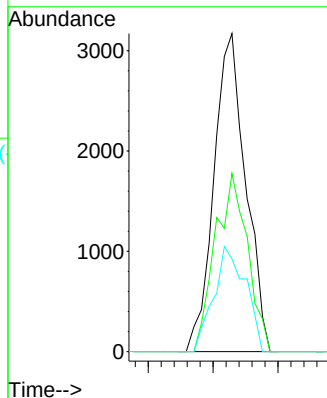
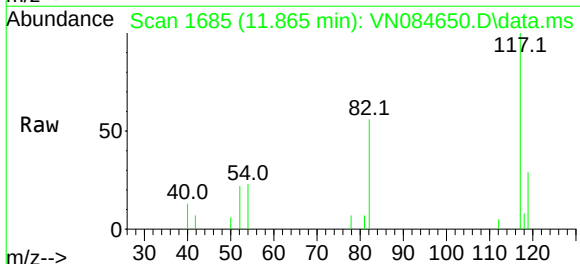
Tgt Ion: 117 Resp: 5398

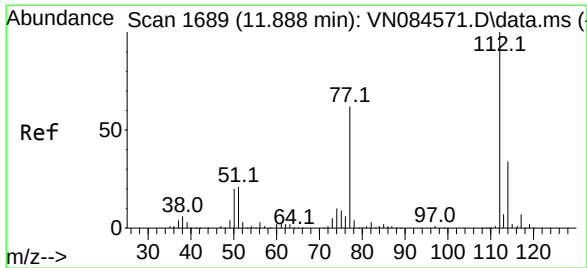
Ion Ratio Lower Upper

117 100

82 56.0 47.2 70.8

119 29.2 25.4 38.0

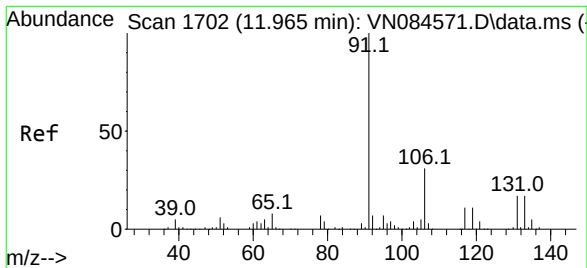
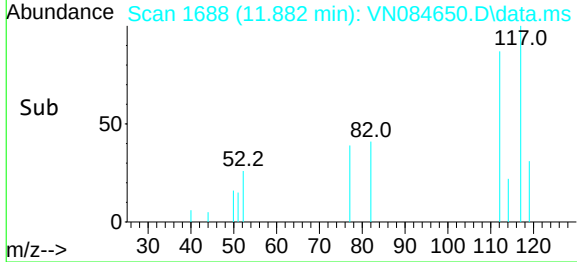
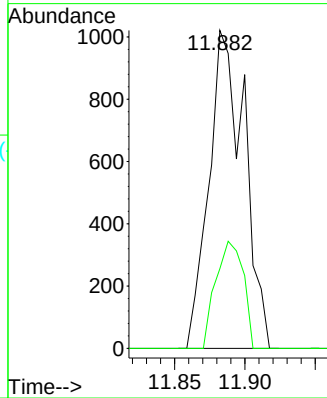
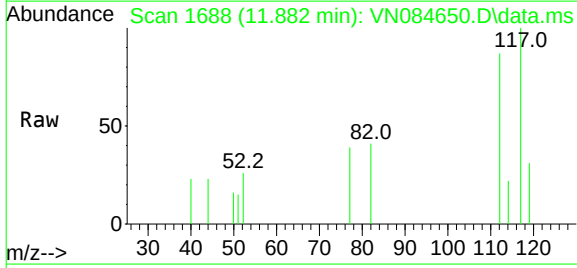




#65
Chlorobenzene
Concen: 14.773 ug/l
RT: 11.882 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN084650.D
Acq: 04 Nov 2024 12:14

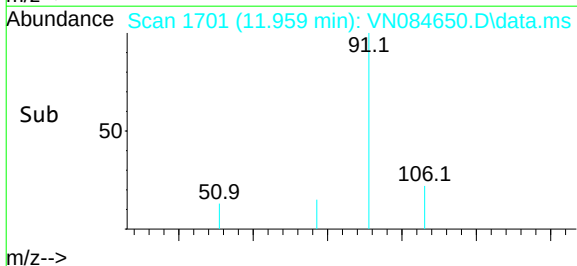
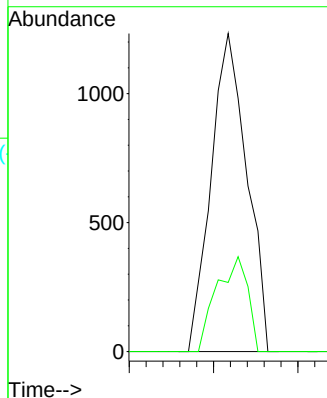
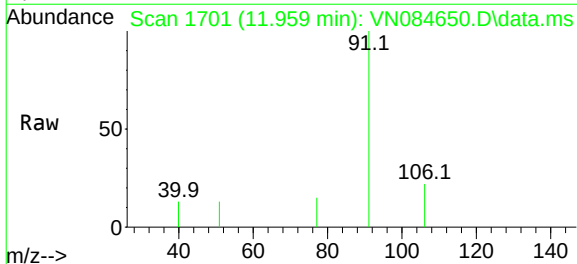
Instrument :
MSVOA_N
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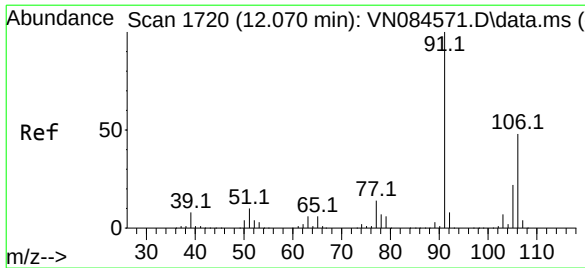
Tgt Ion:112 Resp: 1784
Ion Ratio Lower Upper
112 100
114 25.1 27.0 40.6#



#67
Ethyl Benzene
Concen: 9.024 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084650.D
Acq: 04 Nov 2024 12:14

Tgt Ion: 91 Resp: 1819
Ion Ratio Lower Upper
91 100
106 21.7 24.5 36.7#

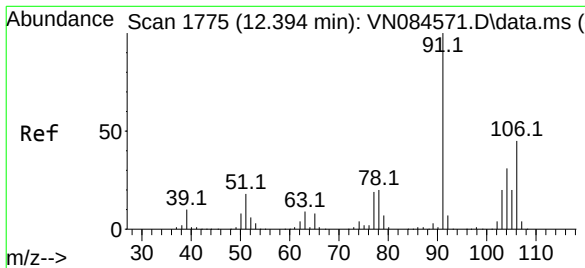
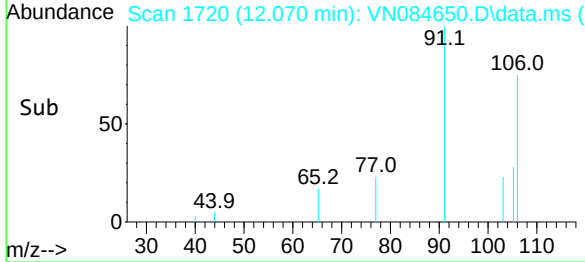
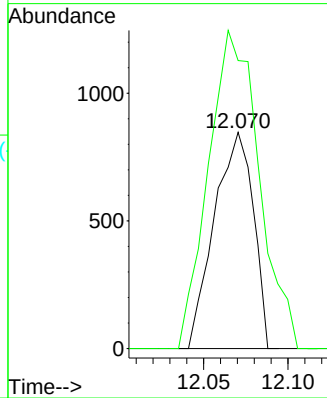
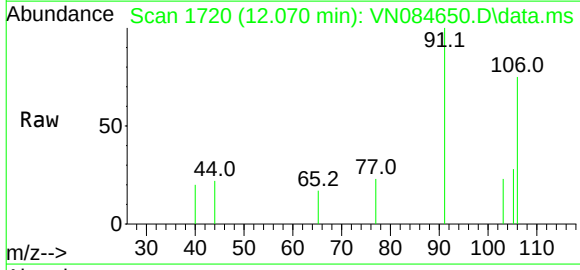




#68
m/p-Xylenes
Concen: 17.834 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084650.D
Acq: 04 Nov 2024 12:14

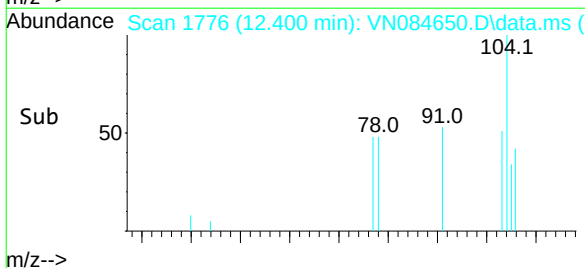
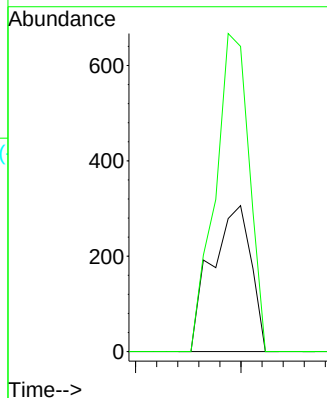
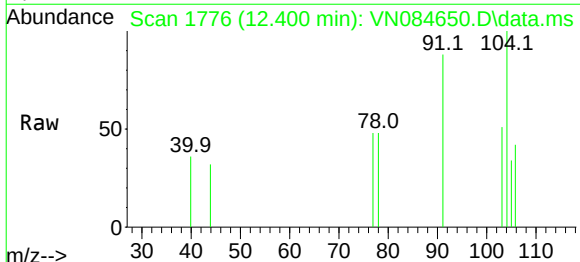
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MSVOA_N
ClientSampleId :
VIBLK

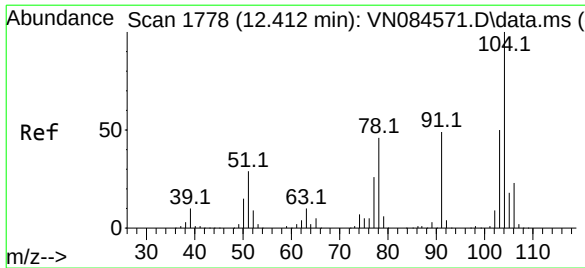
Tgt Ion:106 Resp: 1361
Ion Ratio Lower Upper
106 100
91 190.7 167.1 250.7



#69
o-Xylene
Concen: 5.575 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN084650.D
Acq: 04 Nov 2024 12:14

Tgt Ion:106 Resp: 398
Ion Ratio Lower Upper
106 100
91 188.2 110.2 330.6





#70

Styrene

Concen: 12.301 ug/l

RT: 12.406 min Scan# 17

Delta R.T. -0.006 min

Lab File: VN084650.D

Acq: 04 Nov 2024 12:14

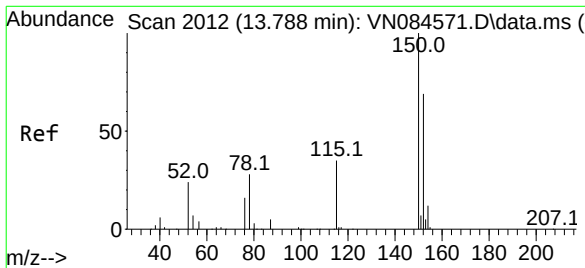
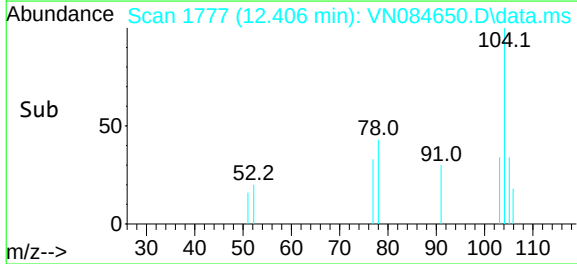
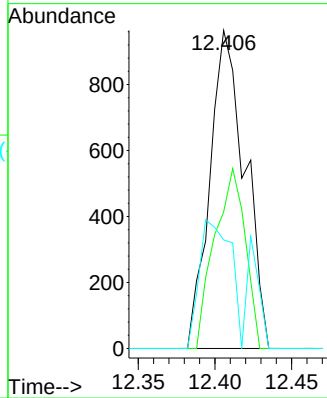
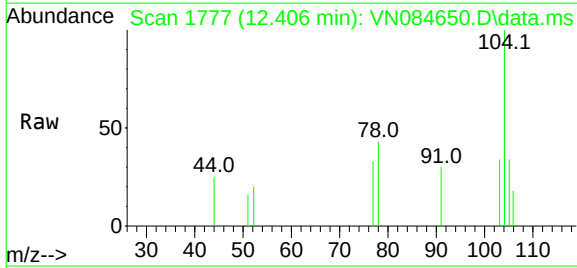
Instrument :

MSVOA_N

ClientSampleId :

VIBLK

Tgt Ion:	104	Resp:	1532
Ion Ratio	Lower	Upper	
104	100		
78	49.4	42.7	64.1
103	11.9	43.6	65.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

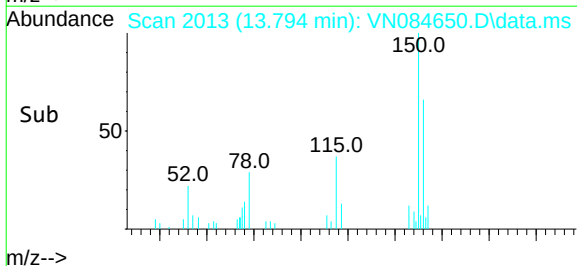
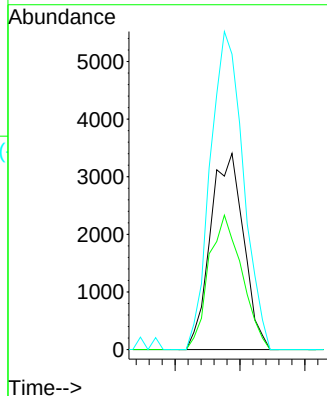
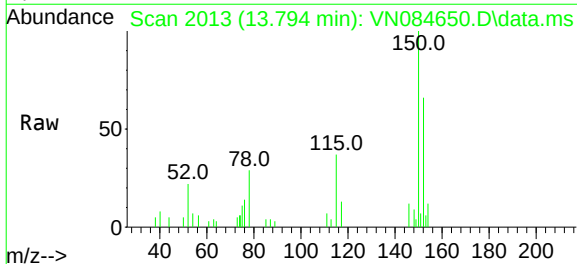
RT: 13.794 min Scan# 2013

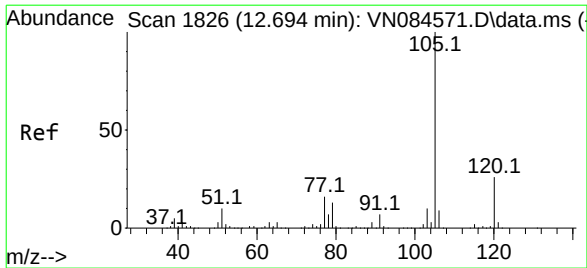
Delta R.T. 0.006 min

Lab File: VN084650.D

Acq: 04 Nov 2024 12:14

Tgt Ion:	152	Resp:	6067
Ion Ratio	Lower	Upper	
152	100		
115	68.3	31.3	93.9
150	161.3	0.0	349.8





#73

Isopropylbenzene

Concen: 3.568 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN084650.D

Acq: 04 Nov 2024 12:14

Instrument :

MSVOA_N

ClientSampleId :

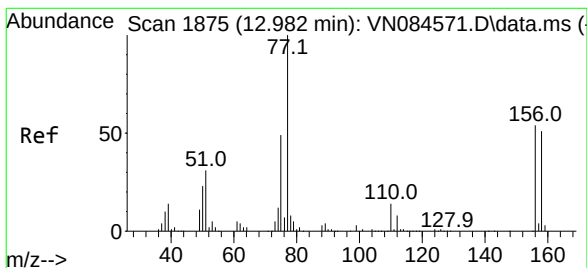
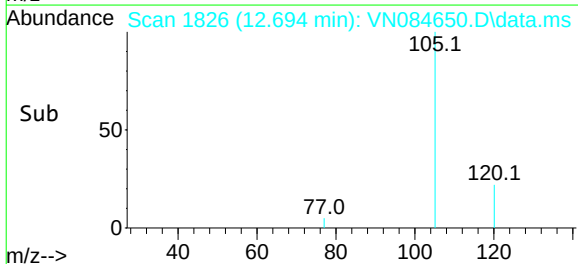
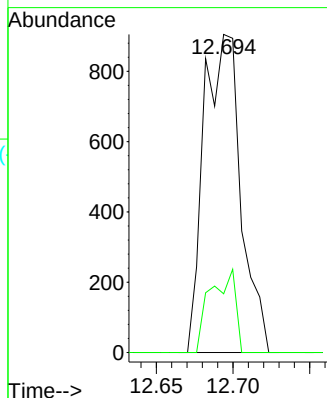
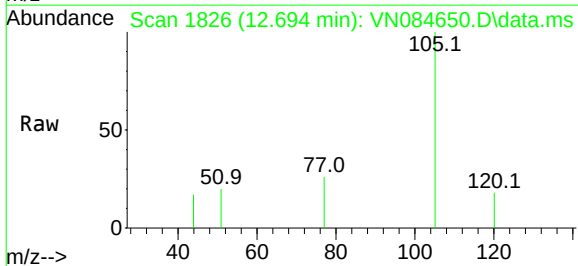
VIBLK

Tgt Ion:105 Resp: 1517

Ion Ratio Lower Upper

105 100

120 17.7 12.9 38.7



#77

Bromobenzene

Concen: 8.732 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VN084650.D

Acq: 04 Nov 2024 12:14

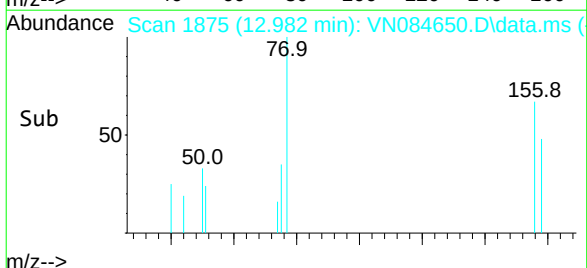
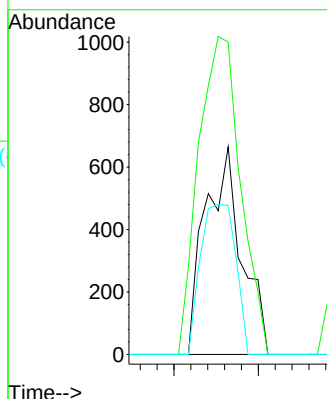
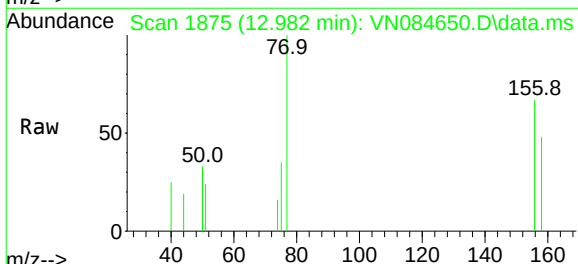
Tgt Ion:156 Resp: 998

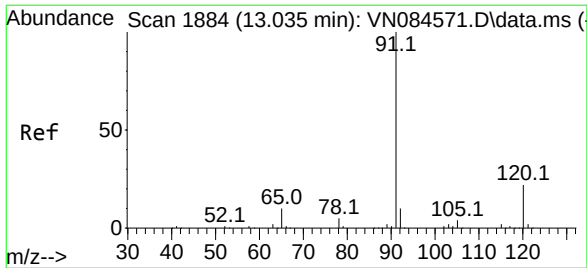
Ion Ratio Lower Upper

156 100

77 176.9 115.1 345.3

158 69.6 48.9 146.8





#78

n-propylbenzene

Concen: 5.821 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN084650.D

Acq: 04 Nov 2024 12:14

Instrument :

MSVOA_N

ClientSampleId :

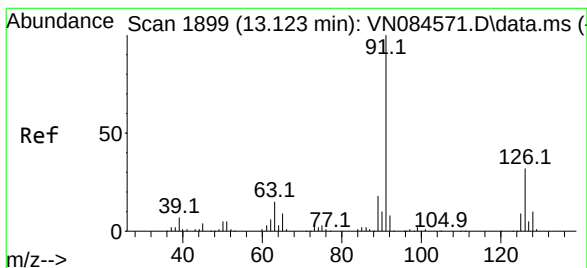
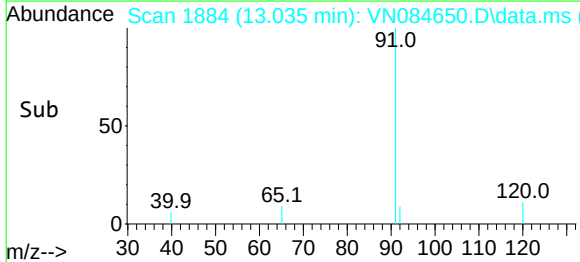
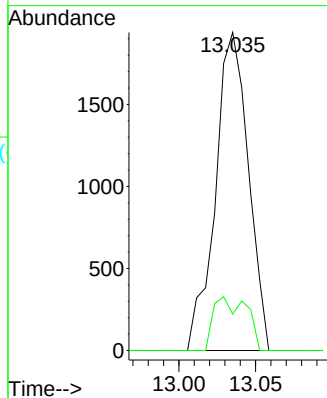
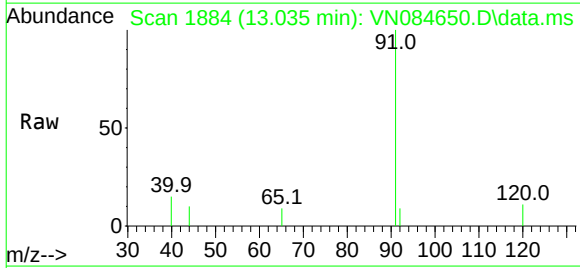
VIBLK

Tgt Ion: 91 Resp: 2900

Ion Ratio Lower Upper

91 100

120 16.9 10.8 32.4



#79

2-Chlorotoluene

Concen: 5.038 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN084650.D

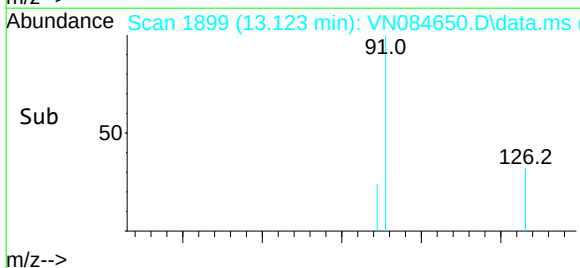
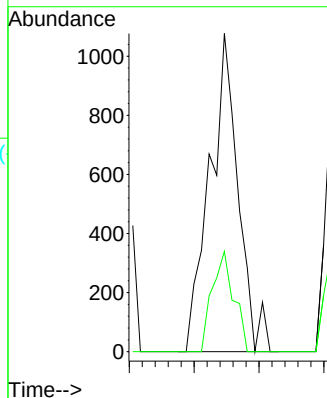
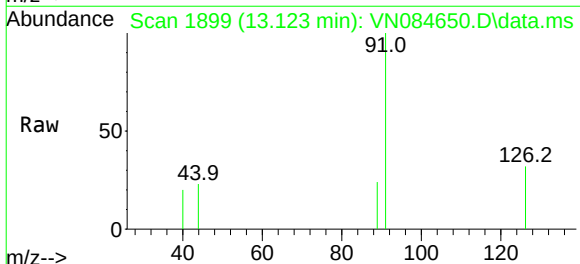
Acq: 04 Nov 2024 12:14

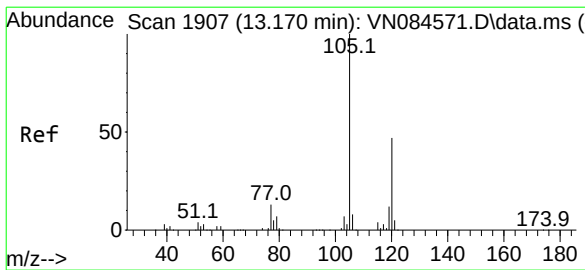
Tgt Ion: 91 Resp: 1640

Ion Ratio Lower Upper

91 100

126 24.0 15.7 47.1





#80

1,3,5-Trimethylbenzene

Concen: 3.442 ug/l

RT: 13.170 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN084650.D

Acq: 04 Nov 2024 12:14

Instrument :

MSVOA_N

ClientSampleId :

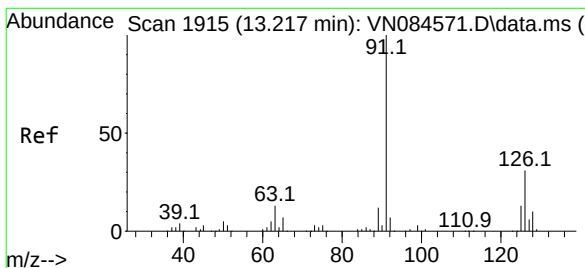
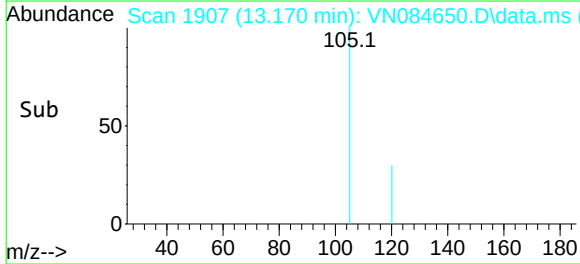
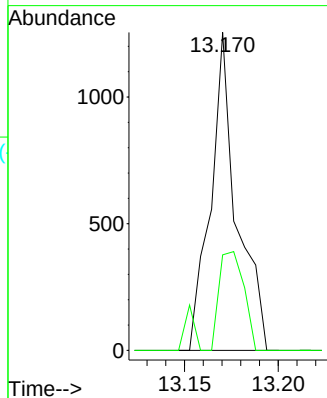
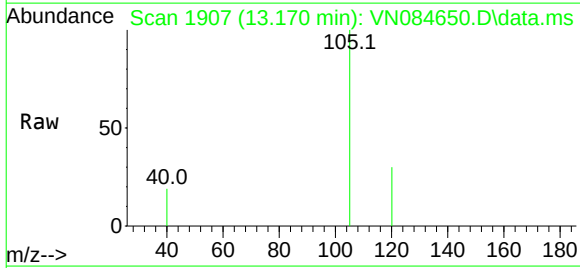
VIBLK

Tgt Ion:105 Resp: 1213

Ion Ratio Lower Upper

105 100

120 29.5 23.7 71.1



#82

4-Chlorotoluene

Concen: 8.363 ug/l

RT: 13.223 min Scan# 1916

Delta R.T. 0.006 min

Lab File: VN084650.D

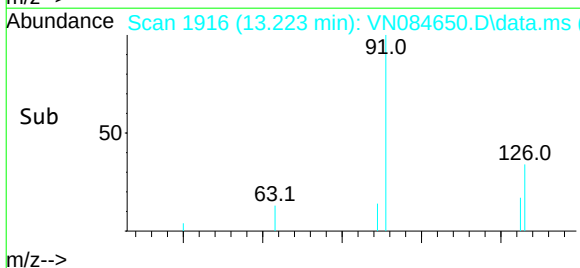
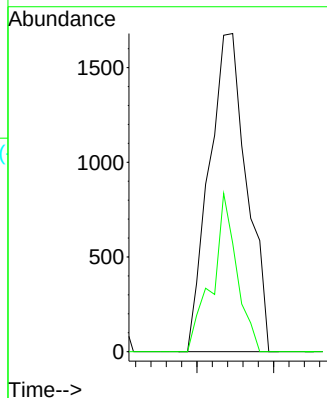
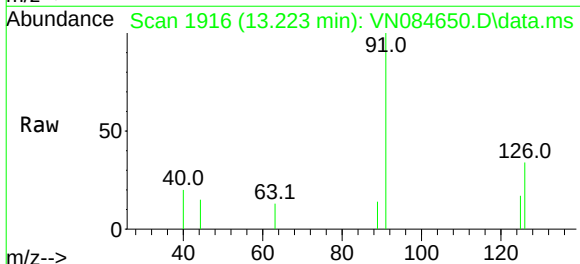
Acq: 04 Nov 2024 12:14

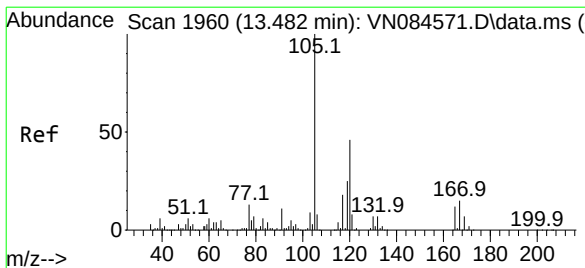
Tgt Ion: 91 Resp: 2865

Ion Ratio Lower Upper

91 100

126 32.5 15.7 47.1





#84

1,2,4-Trimethylbenzene

Concen: 3.805 ug/l

RT: 13.488 min Scan# 19

Delta R.T. 0.006 min

Lab File: VN084650.D

Acq: 04 Nov 2024 12:14

Instrument :

MSVOA_N

ClientSampleId :

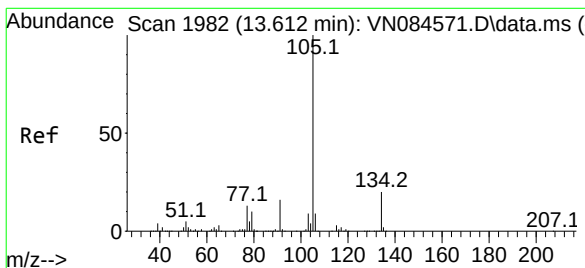
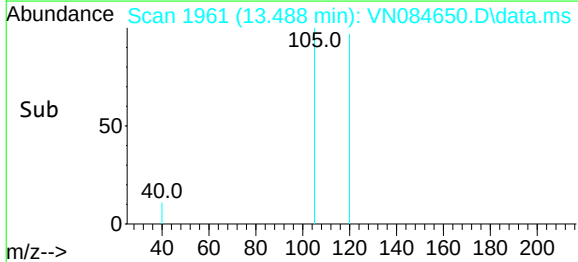
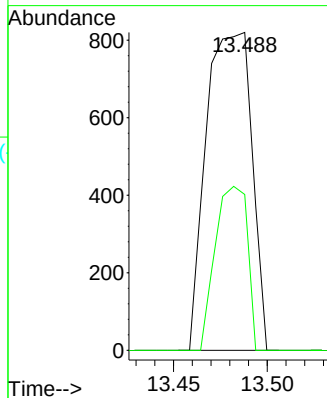
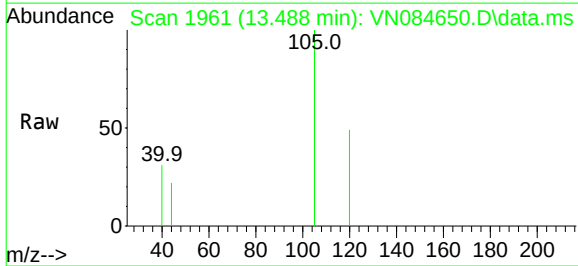
VIBLK

Tgt Ion:105 Resp: 1384

Ion Ratio Lower Upper

105 100

120 36.4 22.3 66.8



#85

sec-Butylbenzene

Concen: 4.226 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. -0.000 min

Lab File: VN084650.D

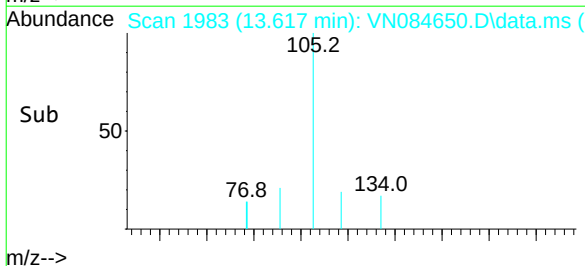
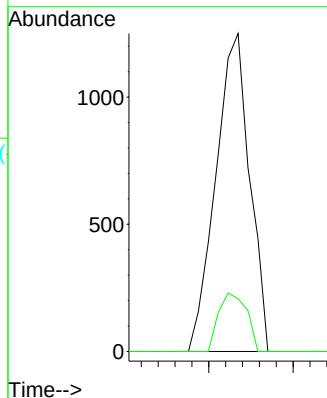
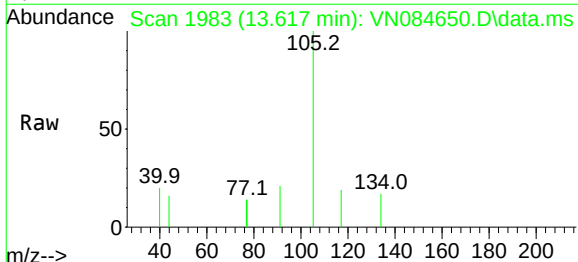
Acq: 04 Nov 2024 12:14

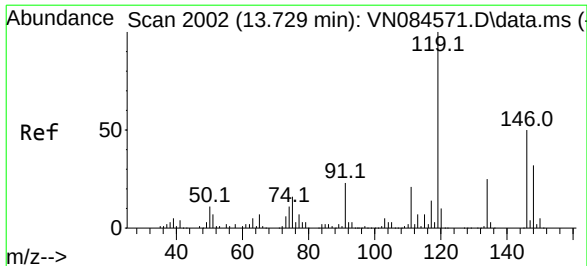
Tgt Ion:105 Resp: 1741

Ion Ratio Lower Upper

105 100

134 15.2 9.8 29.4





#86

p-Isopropyltoluene

Concen: 4.635 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN084650.D

Acq: 04 Nov 2024 12:14

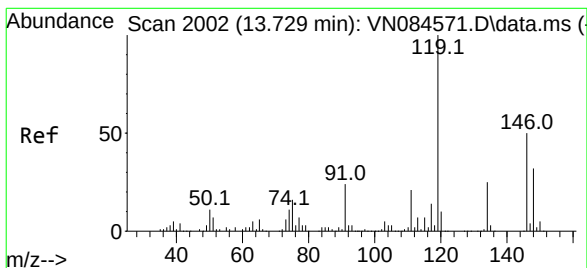
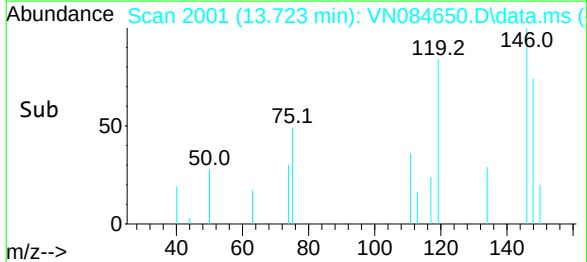
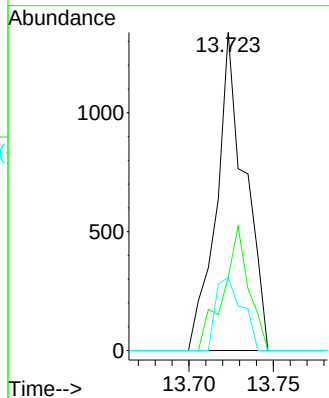
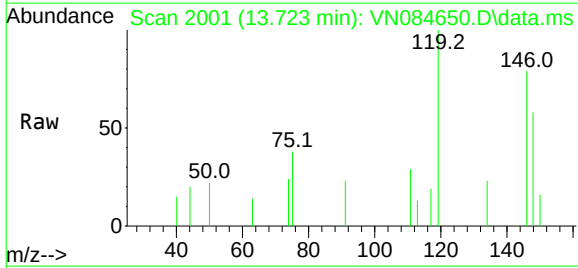
Instrument :

MSVOA_N

ClientSampleId :

VIBLK

Tgt Ion:	119	Resp:	1566
Ion	Ratio	Lower	Upper
119	100		
134	35.3	12.6	37.8
91	21.4	12.4	37.2



#87

1,3-Dichlorobenzene

Concen: 11.172 ug/l

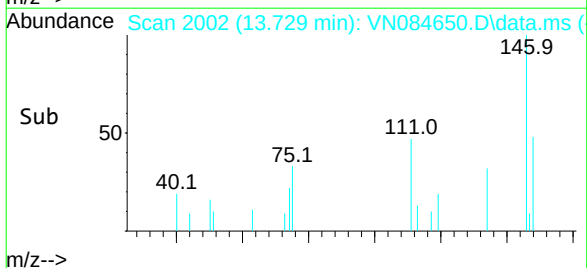
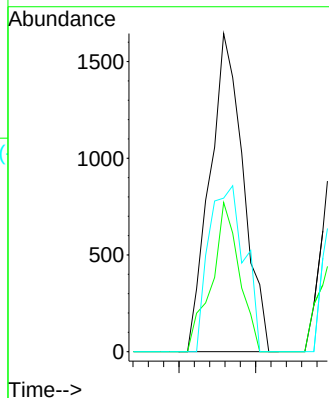
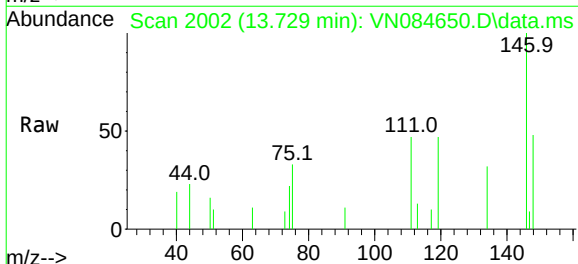
RT: 13.729 min Scan# 2002

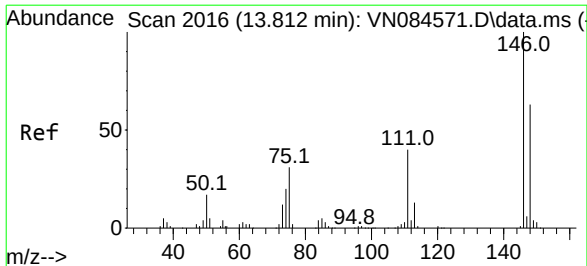
Delta R.T. 0.000 min

Lab File: VN084650.D

Acq: 04 Nov 2024 12:14

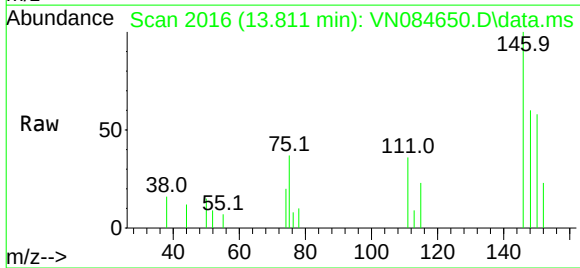
Tgt Ion:	146	Resp:	2492
Ion	Ratio	Lower	Upper
146	100		
111	38.8	21.8	65.3
148	55.4	31.9	95.7



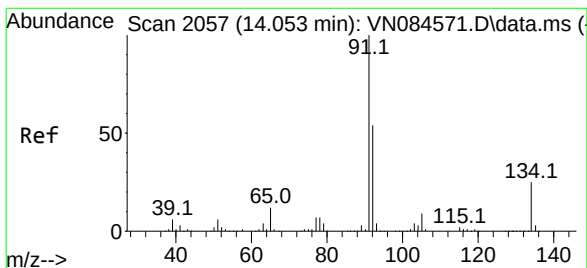
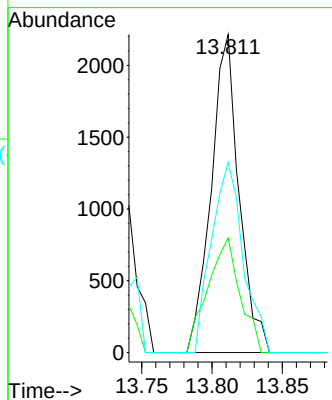
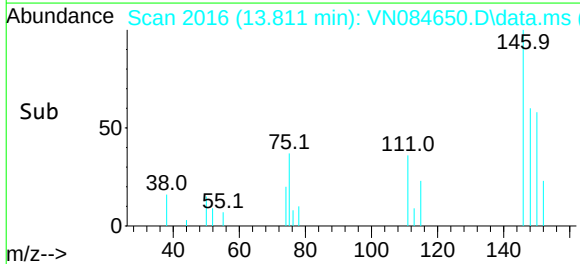


#88
1,4-Dichlorobenzene
Concen: 14.182 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.001 min
Lab File: VN084650.D
Acq: 04 Nov 2024 12:14

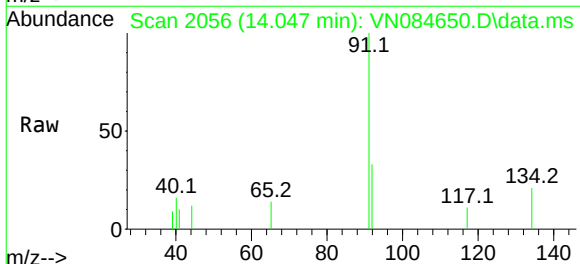
Instrument :
MSVOA_N
ClientSampleId :
VIBLK



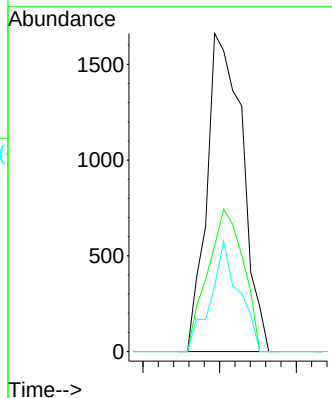
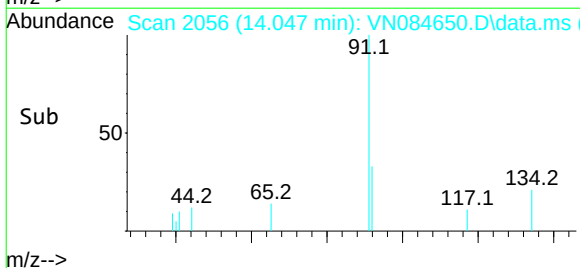
Tgt Ion: 146 Resp: 3057
Ion Ratio Lower Upper
146 100
111 41.7 21.2 63.6
148 68.2 31.9 95.9

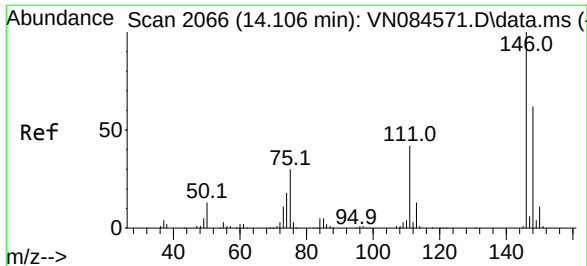


#89
n-Butylbenzene
Concen: 8.452 ug/l
RT: 14.047 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VN084650.D
Acq: 04 Nov 2024 12:14



Tgt Ion: 91 Resp: 2671
Ion Ratio Lower Upper
91 100
92 44.8 26.6 79.7
134 27.7 12.3 36.9





#91

1,2-Dichlorobenzene

Concen: 7.931 ug/l

RT: 14.111 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VN084650.D

Acq: 04 Nov 2024 12:14

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

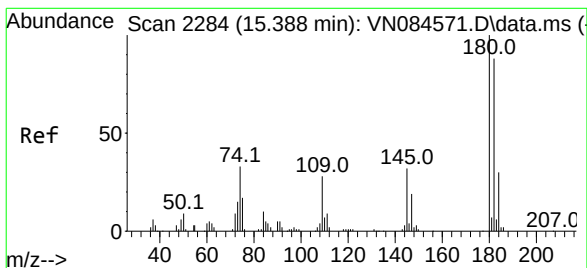
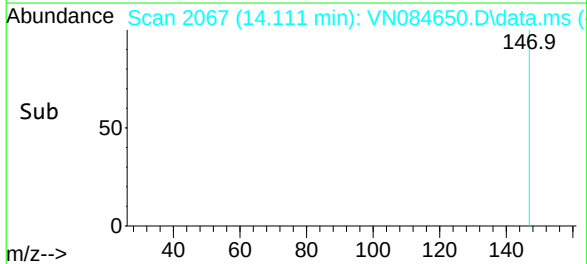
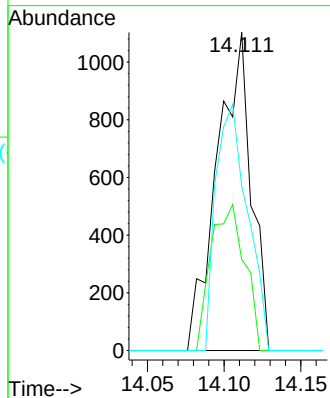
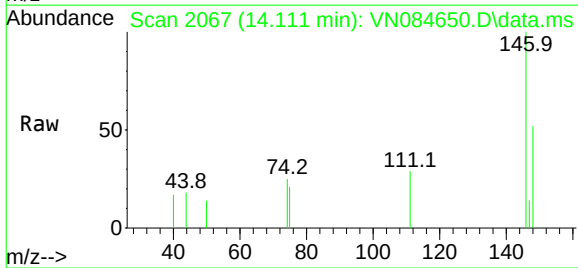
Tgt Ion:146 Resp: 1700

Ion Ratio Lower Upper

146 100

111 45.6 22.0 66.0

148 72.2 32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 16.135 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN084650.D

Acq: 04 Nov 2024 12:14

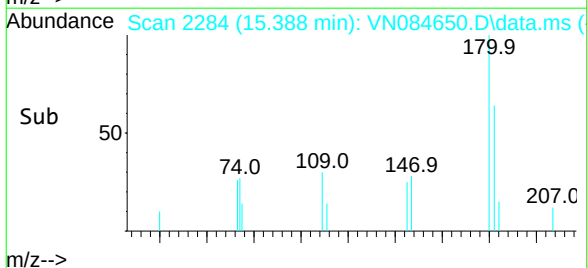
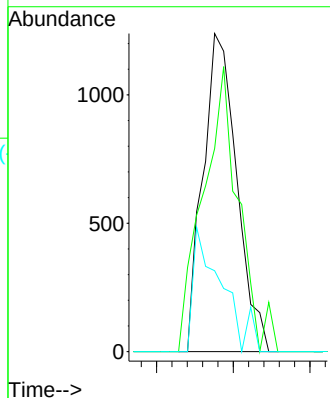
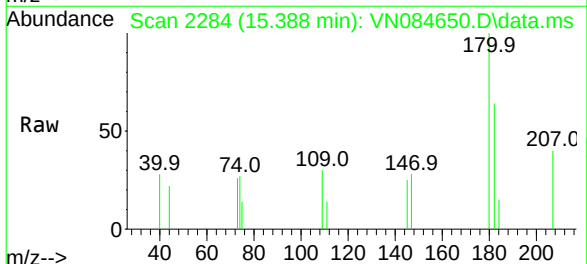
Tgt Ion:180 Resp: 1893

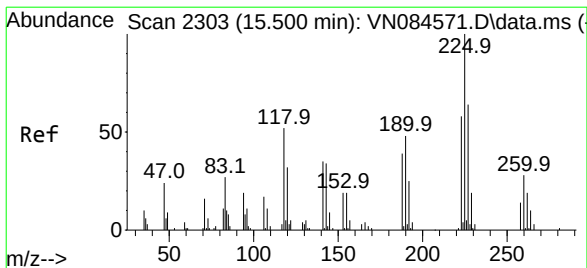
Ion Ratio Lower Upper

180 100

182 94.3 47.0 141.0

145 33.2 16.4 49.4





#94

Hexachlorobutadiene

Concen: 8.327 ug/l

RT: 15.500 min Scan# 23

Delta R.T. -0.000 min

Lab File: VN084650.D

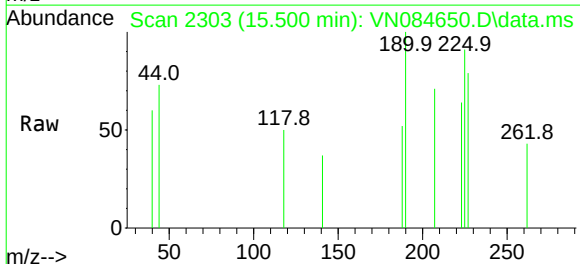
Acq: 04 Nov 2024 12:14

Instrument :

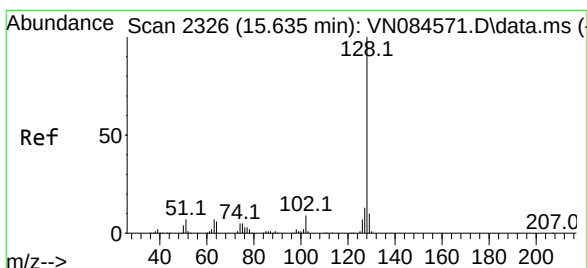
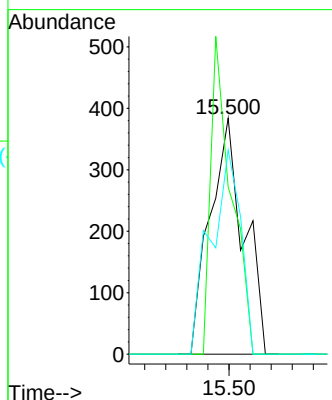
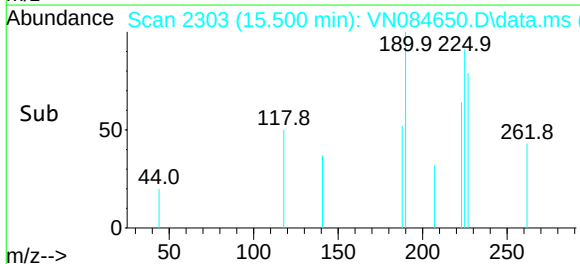
MSVOA_N

ClientSampleId :

VIBLK



Tgt Ion:	225	Resp:	429
Ion	Ratio	Lower	Upper
225	100		
223	81.8	32.4	97.2
227	76.5	32.4	97.0



#95

Naphthalene

Concen: 11.775 ug/l

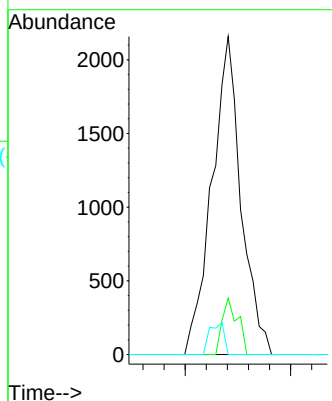
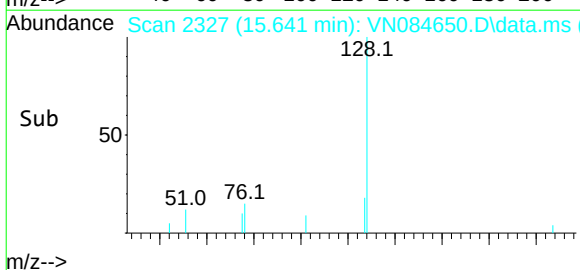
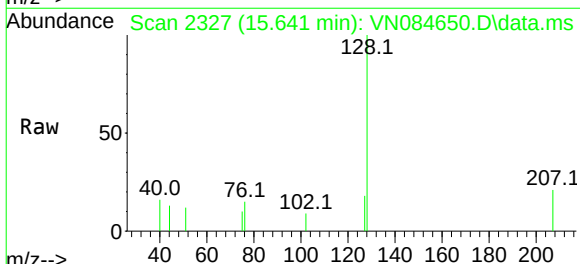
RT: 15.641 min Scan# 2327

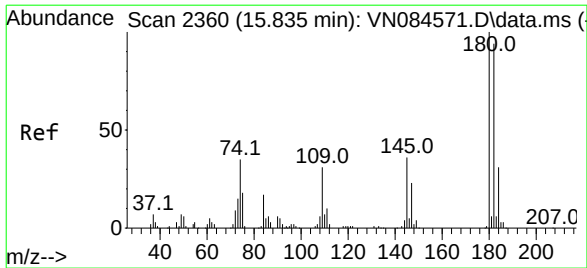
Delta R.T. 0.006 min

Lab File: VN084650.D

Acq: 04 Nov 2024 12:14

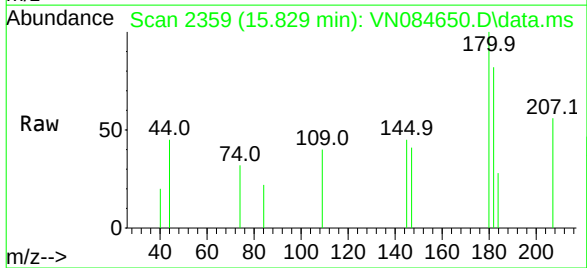
Tgt Ion:	128	Resp:	4135
Ion	Ratio	Lower	Upper
128	100		
127	9.4	10.5	15.7#
129	5.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 15.059 ug/l
 RT: 15.829 min Scan# 23
 Delta R.T. -0.006 min
 Lab File: VN084650.D
 Acq: 04 Nov 2024 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK



Tgt Ion:	180	Resp:	1715
Ion	Ratio	Lower	Upper
180	100		
182	100.1	48.2	144.6
145	29.3	17.3	51.9

