

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084820.D
 Acq On : 13 Nov 2024 12:01
 Operator : JC\MD
 Sample : P4793-01
 Misc : 1.35g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M00-24-00345

Quant Time: Nov 14 00:32:41 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)

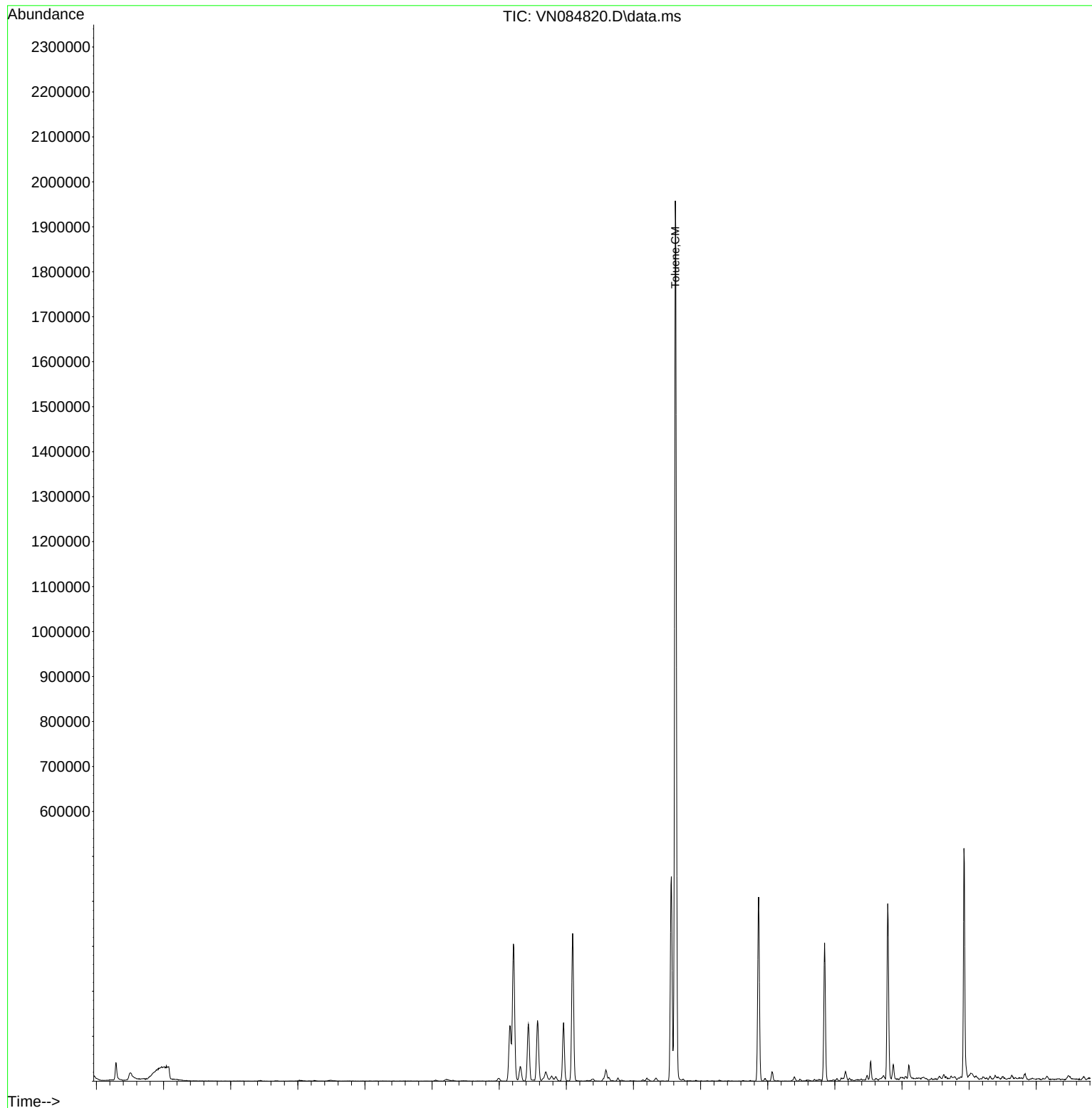
Internal Standards						
1) Pentafluorobenzene	8.218	168	165663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	283775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	111342	46.533	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.060%		
35) Dibromofluoromethane	8.165	113	90017	46.864	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.720%		
50) Toluene-d8	10.565	98	321435	45.428	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.860%		
62) 4-Bromofluorobenzene	12.847	95	105229	39.793	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	79.580%		
Target Compounds					Qvalue	
39) Methylcyclohexane	9.588	83	8692	3.207	ug/l	93
52) Toluene	10.624	92	897967	179.469	ug/l	99
67) Ethyl Benzene	11.965	91	4880	0.549	ug/l #	57
68) m/p-Xylenes	12.071	106	5002	1.488	ug/l	95
69) o-Xylene	12.400	106	2063	0.656	ug/l	85
70) Styrene	12.412	104	1763	0.321	ug/l	94
73) Isopropylbenzene	12.694	105	1956	0.265	ug/l	86
77) Bromobenzene	12.982	156	799	0.403	ug/l	85
78) n-propylbenzene	13.029	91	4843	0.561	ug/l	94
79) 2-Chlorotoluene	13.123	91	2351	0.417	ug/l	84
80) 1,3,5-Trimethylbenzene	13.176	105	3276	0.536	ug/l	90
82) 4-Chlorotoluene	13.223	91	3091	0.521	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	7172	1.138	ug/l	99
85) sec-Butylbenzene	13.612	105	2880	0.403	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	2245	0.581	ug/l	91
89) n-Butylbenzene	14.053	91	5022	0.917	ug/l #	86
93) 1,2,4-Trichlorobenzene	15.388	180	2418	1.189	ug/l #	78
95) Naphthalene	15.635	128	10285	1.690	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	2843	1.440	ug/l	80

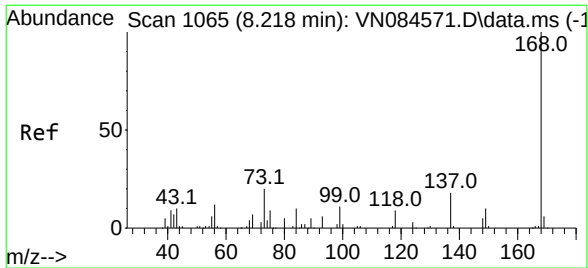
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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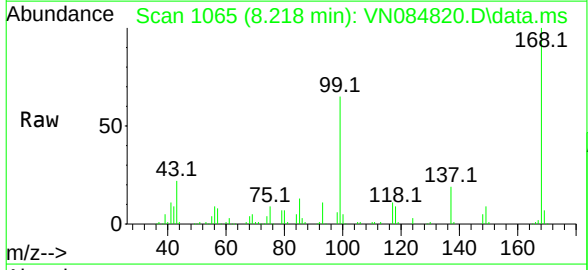
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



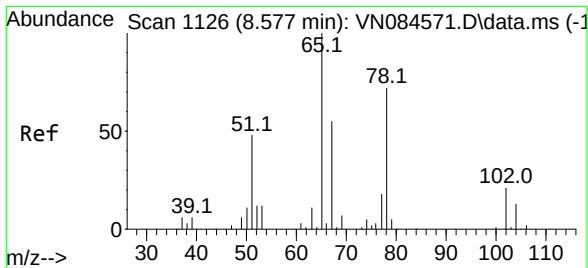
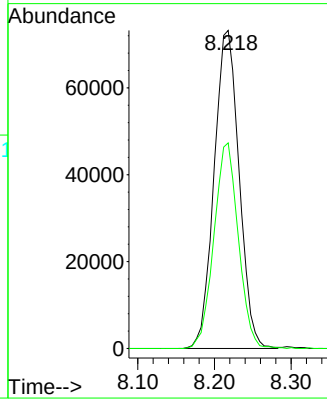
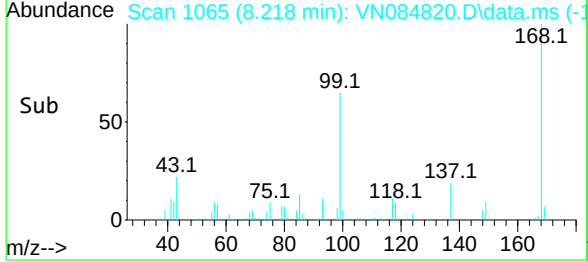


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084820.D
Acq: 13 Nov 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
M00-24-00345

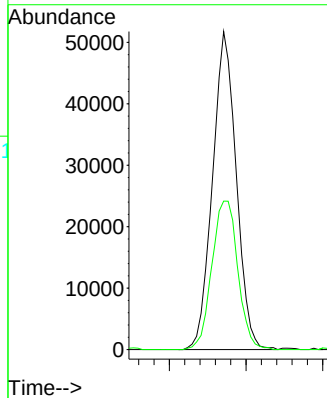
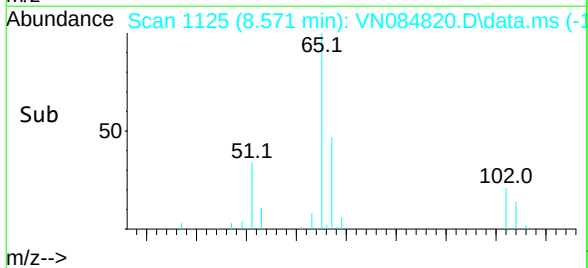
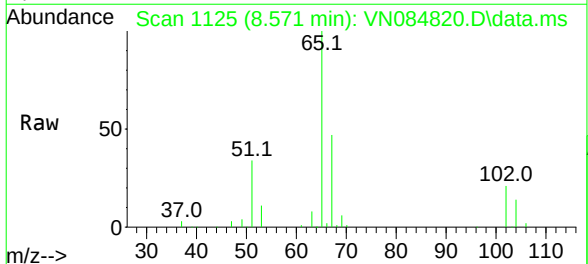


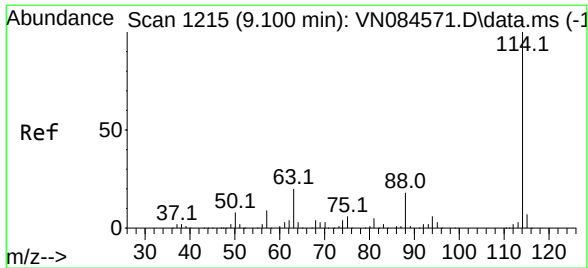
Tgt Ion:168 Resp: 165663
Ion Ratio Lower Upper
168 100
99 64.6 54.2 81.2



#33
1,2-Dichloroethane-d4
Concen: 46.533 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084820.D
Acq: 13 Nov 2024 12:01

Tgt Ion: 65 Resp: 111342
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.0

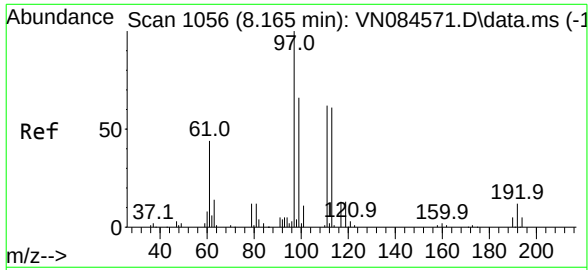
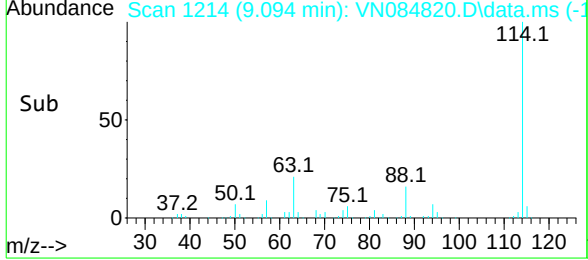
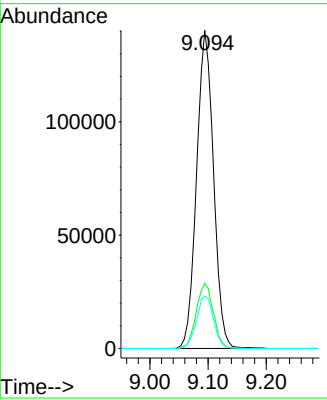
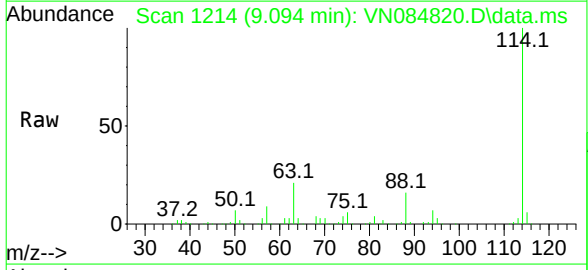




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN084820.D
 Acq: 13 Nov 2024 12:01

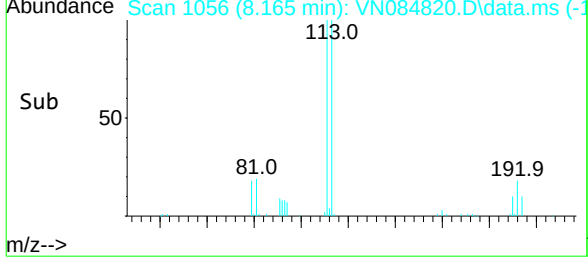
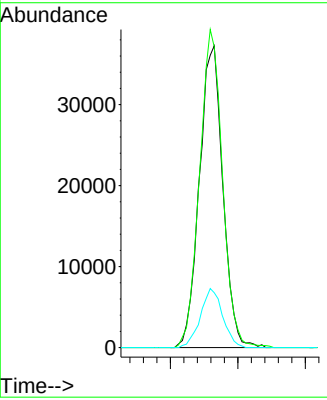
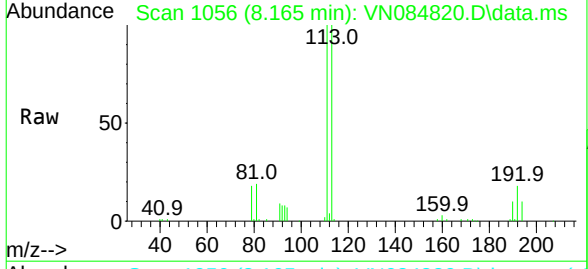
Instrument :
 MSVOA_N
 ClientSampleId :
 M00-24-00345

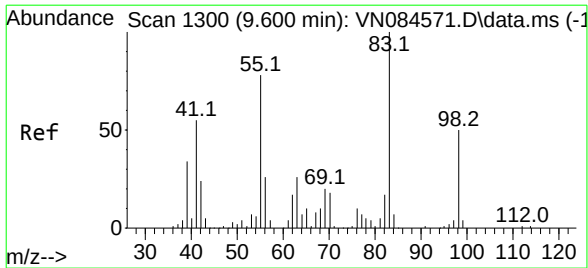
Tgt Ion:	114	Resp:	283775
Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.8
88	16.4	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 46.864 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. 0.000 min
 Lab File: VN084820.D
 Acq: 13 Nov 2024 12:01

Tgt Ion:	113	Resp:	90017
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.3	124.9
192	18.6	13.5	20.3

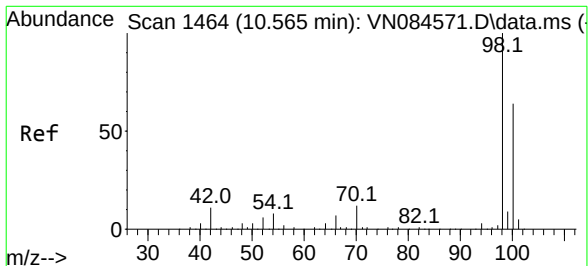
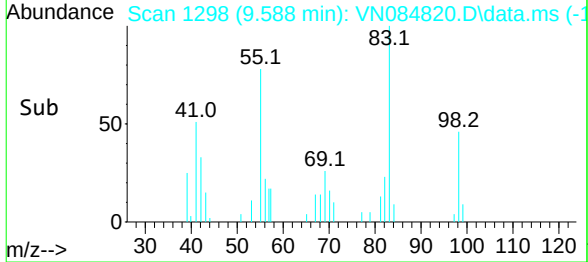
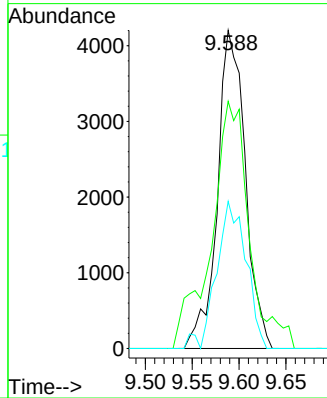
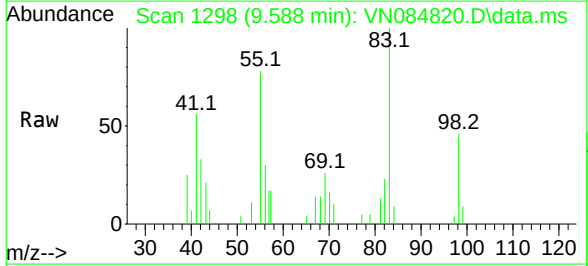




#39
Methylcyclohexane
Concen: 3.207 ug/l
RT: 9.588 min Scan# 12
Delta R.T. -0.012 min
Lab File: VN084820.D
Acq: 13 Nov 2024 12:01

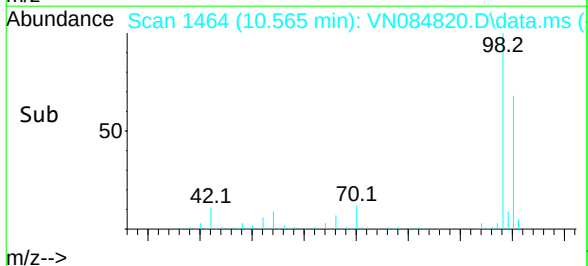
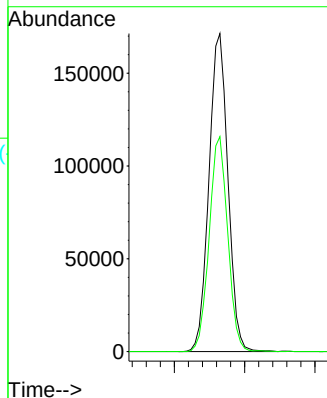
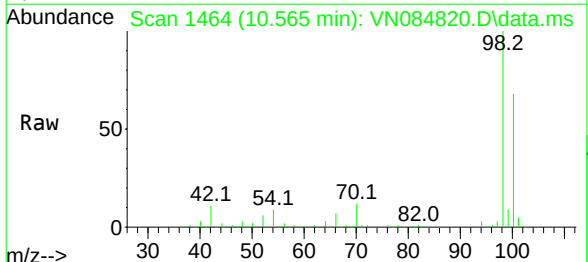
Instrument :
MSVOA_N
ClientSampleId :
M00-24-00345

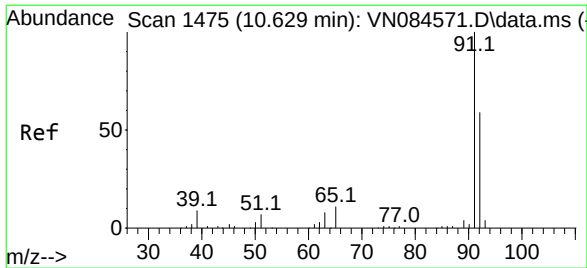
Tgt Ion: 83 Resp: 8692
Ion Ratio Lower Upper
83 100
55 70.0 62.8 94.2
98 46.2 38.8 58.2



#50
Toluene-d8
Concen: 45.428 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084820.D
Acq: 13 Nov 2024 12:01

Tgt Ion: 98 Resp: 321435
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1





#52

Toluene

Concen: 179.469 ug/l

RT: 10.624 min Scan# 14

Delta R.T. -0.006 min

Lab File: VN084820.D

Acq: 13 Nov 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

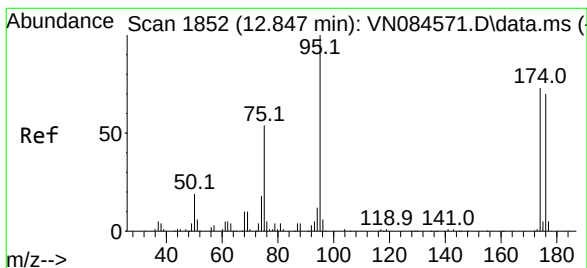
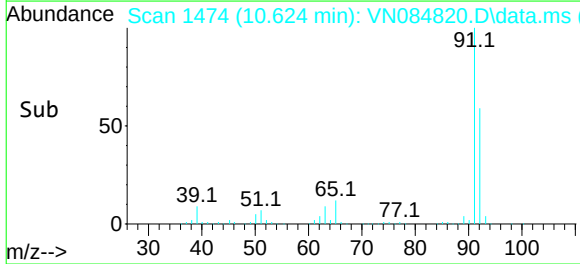
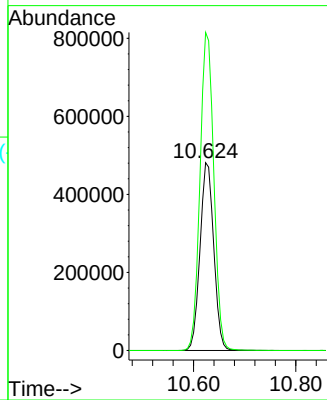
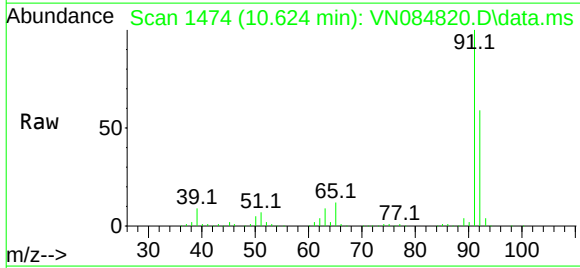
M00-24-00345

Tgt Ion: 92 Resp: 897967

Ion Ratio Lower Upper

92 100

91 170.3 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 39.793 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084820.D

Acq: 13 Nov 2024 12:01

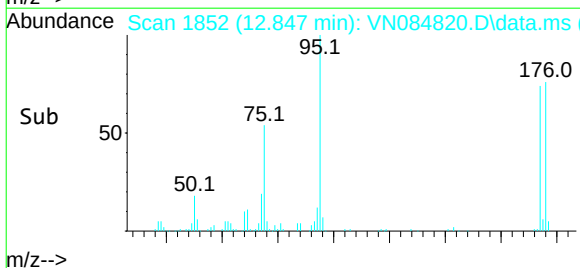
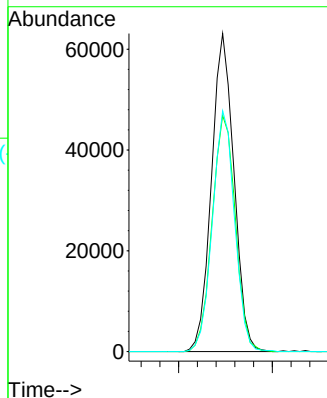
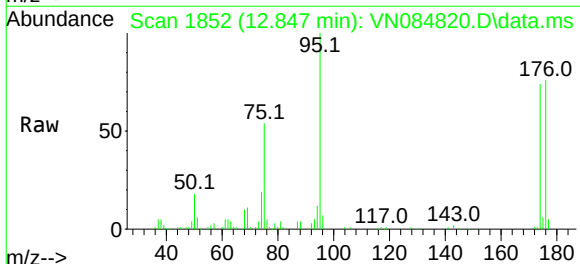
Tgt Ion: 95 Resp: 105229

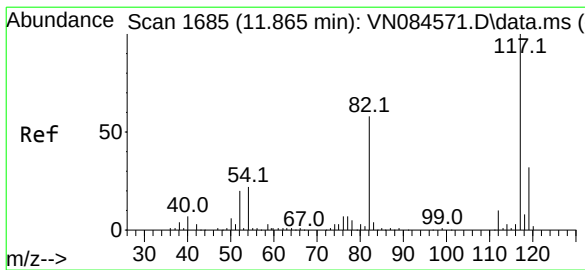
Ion Ratio Lower Upper

95 100

174 76.5 0.0 145.2

176 74.7 0.0 140.0

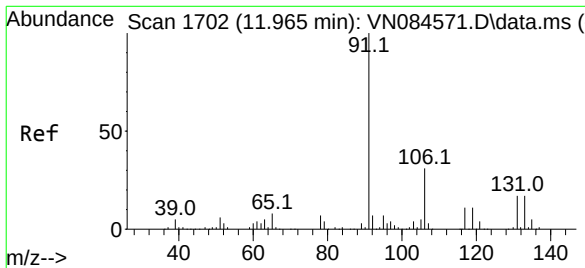
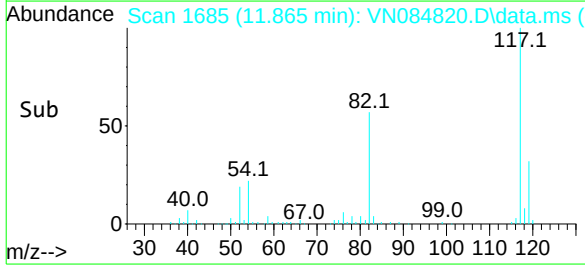
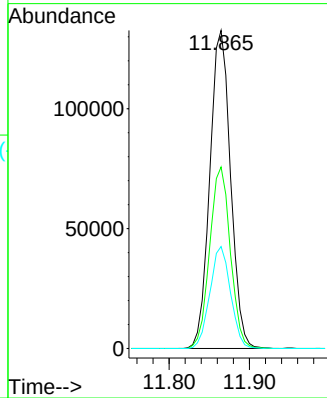
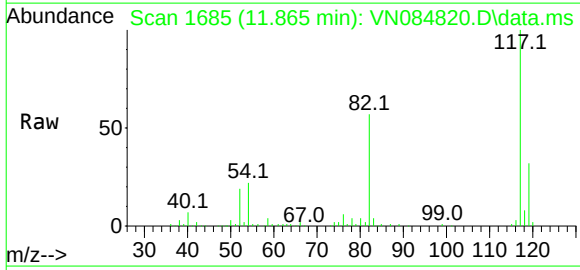




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084820.D
Acq: 13 Nov 2024 12:01

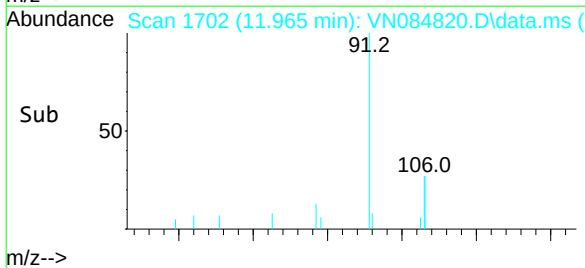
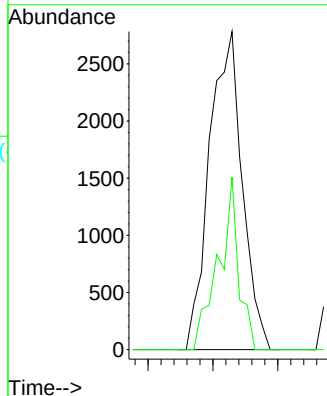
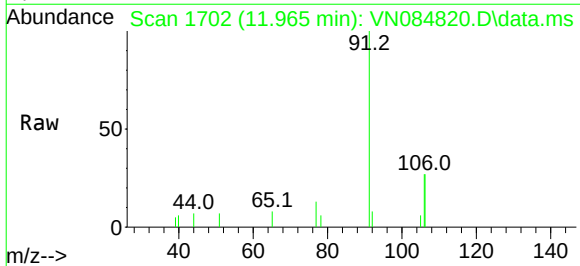
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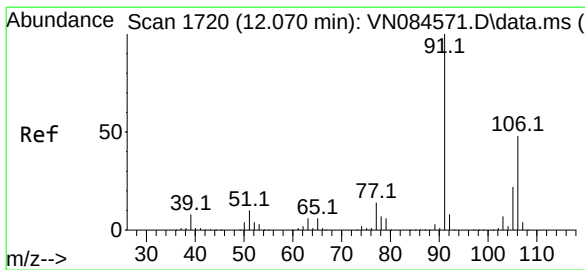
Tgt Ion: 117 Resp: 237821
Ion Ratio Lower Upper
117 100
82 57.1 47.2 70.8
119 32.1 25.4 38.0



#67
Ethyl Benzene
Concen: 0.549 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084820.D
Acq: 13 Nov 2024 12:01

Tgt Ion: 91 Resp: 4880
Ion Ratio Lower Upper
91 100
106 54.3 24.5 36.7#

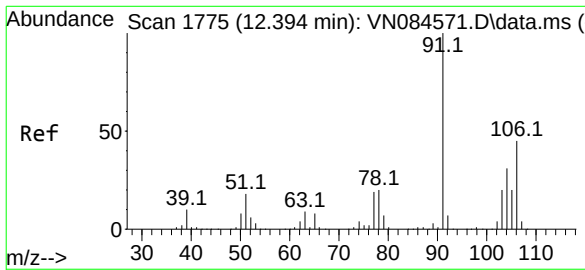
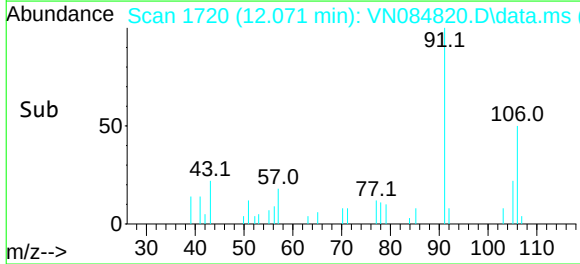
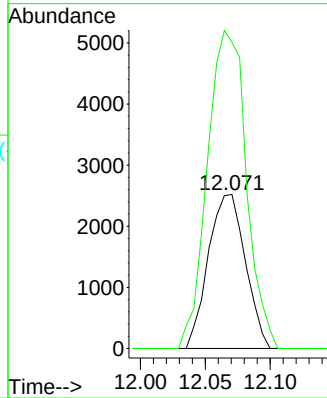
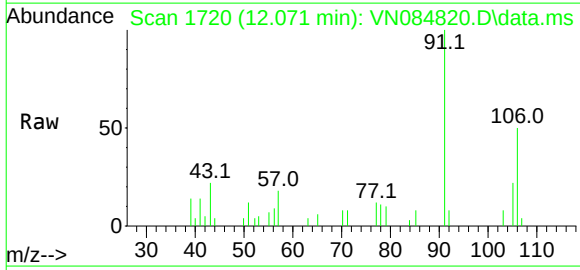




#68
m/p-Xylenes
Concen: 1.488 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084820.D
Acq: 13 Nov 2024 12:01

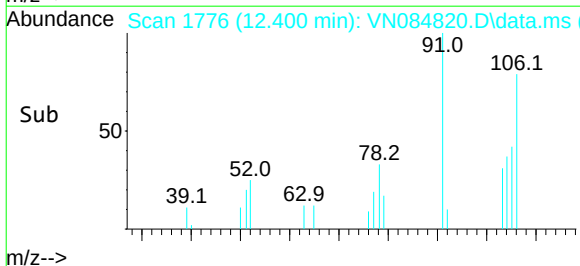
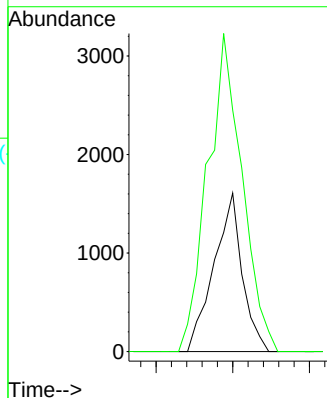
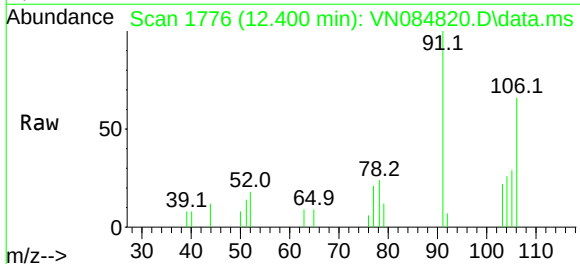
Instrument :
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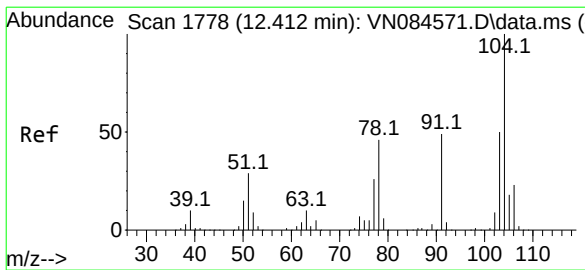
Tgt Ion:106 Resp: 5002
Ion Ratio Lower Upper
106 100
91 217.2 167.1 250.7



#69
o-Xylene
Concen: 0.656 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN084820.D
Acq: 13 Nov 2024 12:01

Tgt Ion:106 Resp: 2063
Ion Ratio Lower Upper
106 100
91 244.0 110.2 330.6





#70

Styrene

Concen: 0.321 ug/l

RT: 12.412 min Scan# 17

Delta R.T. -0.000 min

Lab File: VN084820.D

Acq: 13 Nov 2024 12:01

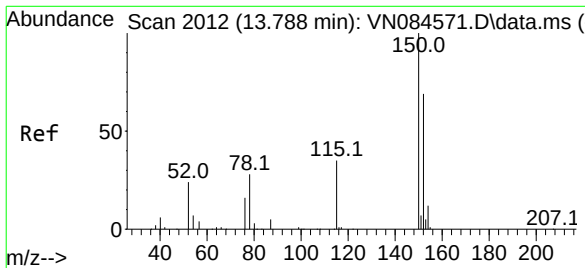
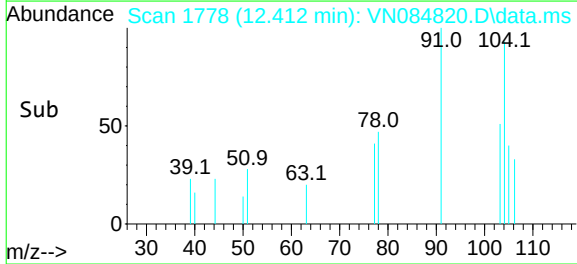
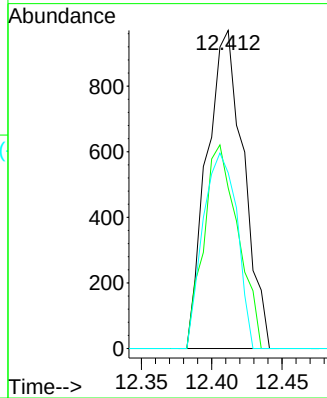
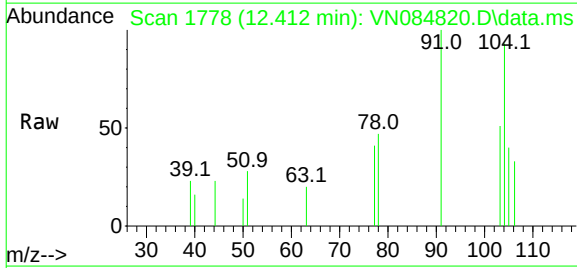
Instrument :

MSVOA_N

ClientSampleId :

M00-24-00345

Tgt Ion:	104	Resp:	1763
Ion	Ratio	Lower	Upper
104	100		
78	59.7	42.7	64.1
103	56.8	43.6	65.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

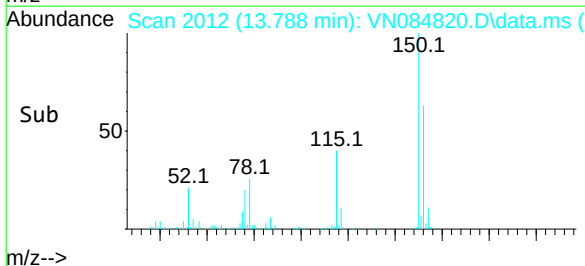
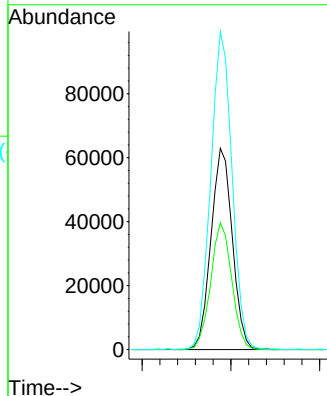
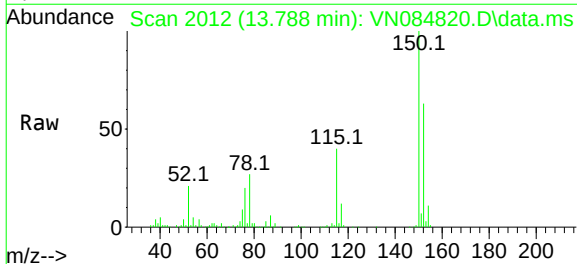
RT: 13.788 min Scan# 2012

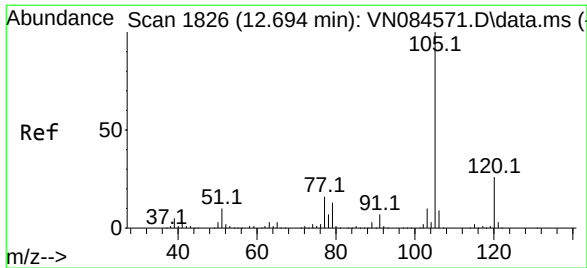
Delta R.T. 0.000 min

Lab File: VN084820.D

Acq: 13 Nov 2024 12:01

Tgt Ion:	152	Resp:	105162
Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.3	93.9
150	157.7	0.0	349.8





#73

Isopropylbenzene

Concen: 0.265 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN084820.D

Acq: 13 Nov 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

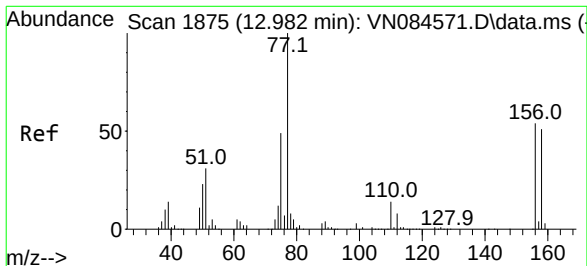
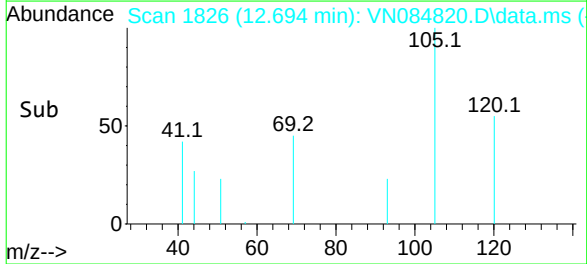
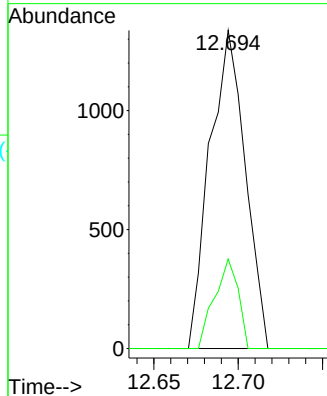
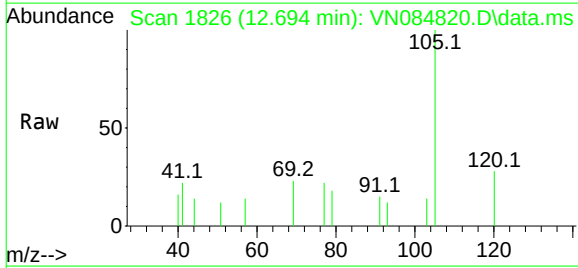
M00-24-00345

Tgt Ion:105 Resp: 1956

Ion Ratio Lower Upper

105 100

120 18.8 12.9 38.7



#77

Bromobenzene

Concen: 0.403 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN084820.D

Acq: 13 Nov 2024 12:01

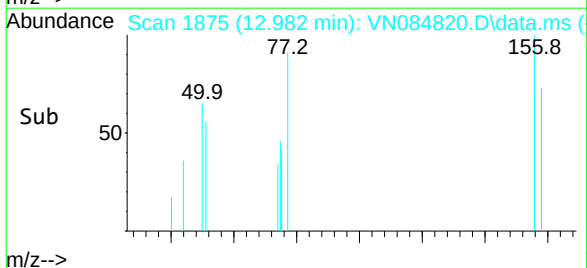
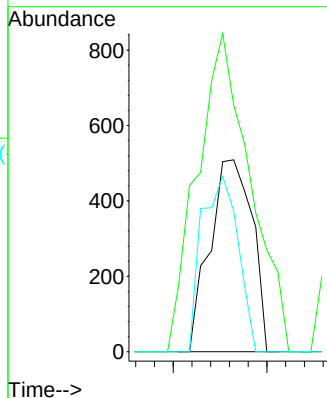
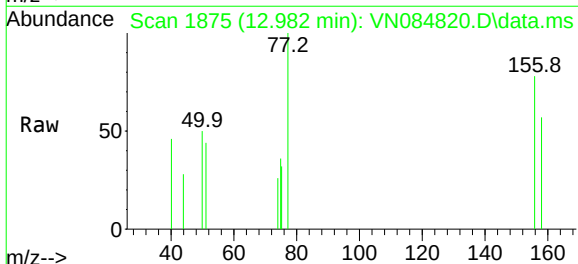
Tgt Ion:156 Resp: 799

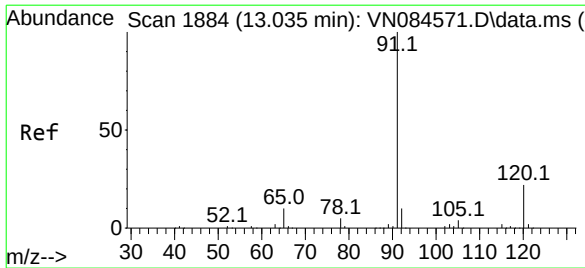
Ion Ratio Lower Upper

156 100

77 208.0 115.1 345.3

158 78.3 48.9 146.8





#78

n-propylbenzene

Concen: 0.561 ug/l

RT: 13.029 min Scan# 18

Delta R.T. -0.006 min

Lab File: VN084820.D

Acq: 13 Nov 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

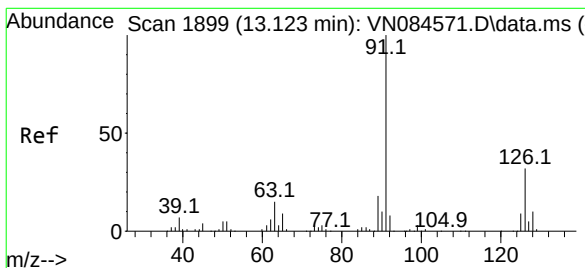
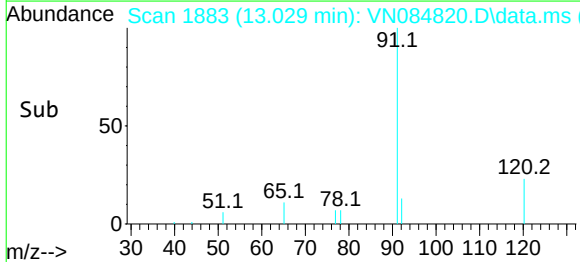
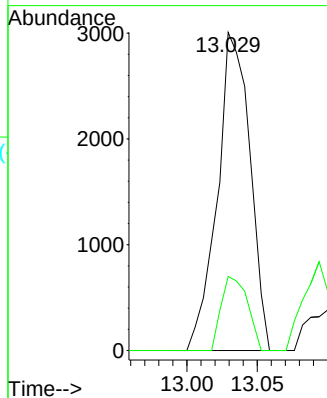
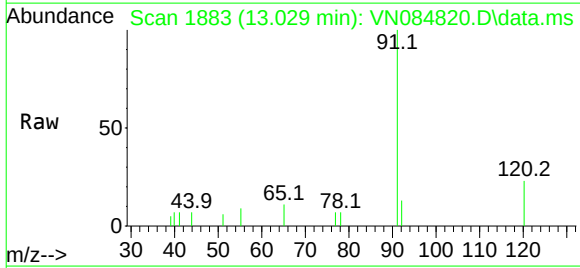
M00-24-00345

Tgt Ion: 91 Resp: 4843

Ion Ratio Lower Upper

91 100

120 18.7 10.8 32.4



#79

2-Chlorotoluene

Concen: 0.417 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN084820.D

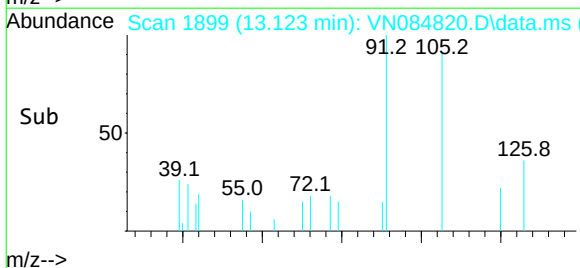
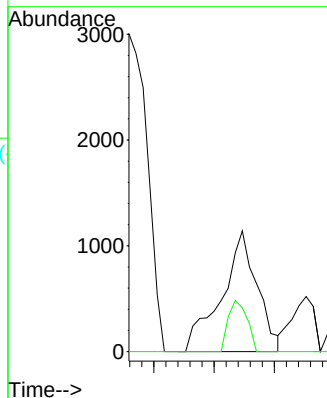
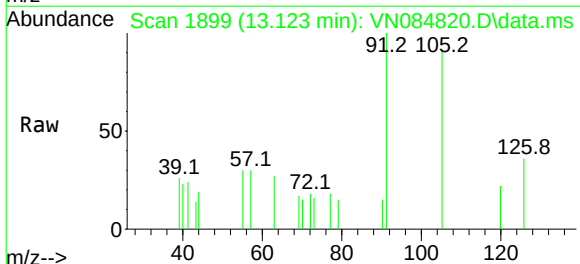
Acq: 13 Nov 2024 12:01

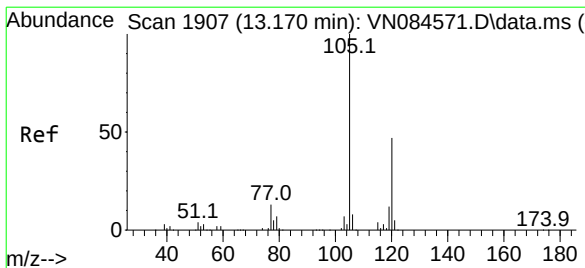
Tgt Ion: 91 Resp: 2351

Ion Ratio Lower Upper

91 100

126 22.4 15.7 47.1





#80

1,3,5-Trimethylbenzene

Concen: 0.536 ug/l

RT: 13.176 min Scan# 19

Delta R.T. 0.006 min

Lab File: VN084820.D

Acq: 13 Nov 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

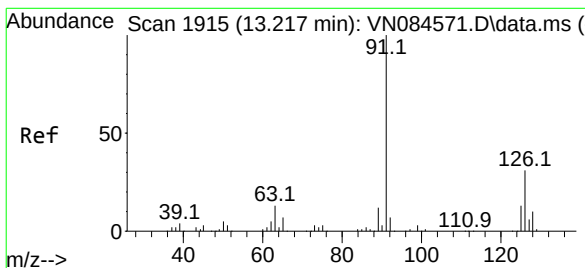
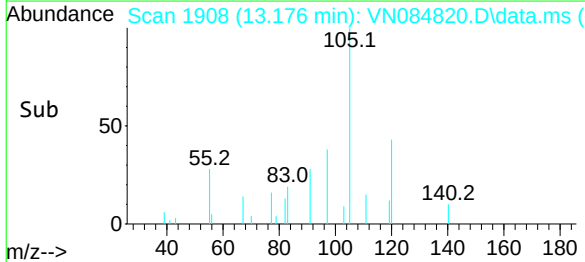
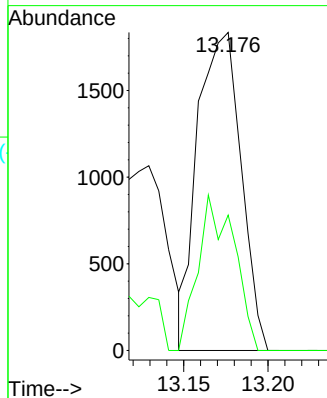
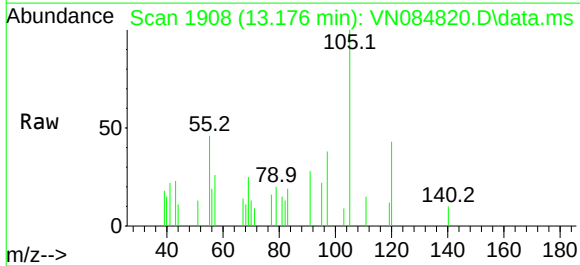
M00-24-00345

Tgt Ion:105 Resp: 3276

Ion Ratio Lower Upper

105 100

120 40.9 23.7 71.1



#82

4-Chlorotoluene

Concen: 0.521 ug/l

RT: 13.223 min Scan# 1916

Delta R.T. 0.006 min

Lab File: VN084820.D

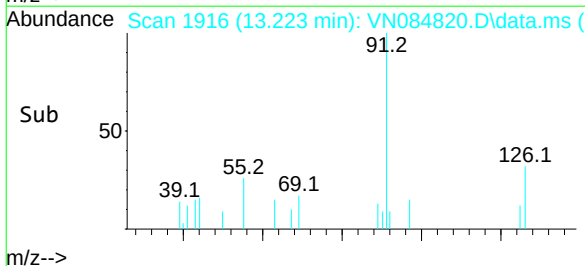
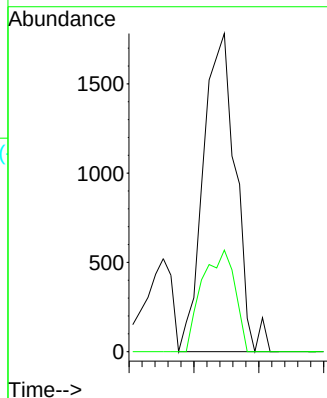
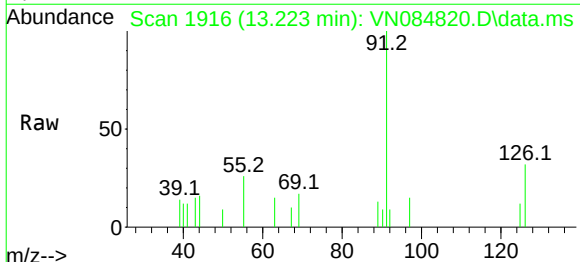
Acq: 13 Nov 2024 12:01

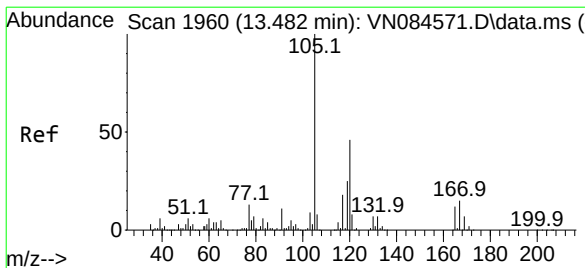
Tgt Ion: 91 Resp: 3091

Ion Ratio Lower Upper

91 100

126 32.4 15.7 47.1





#84

1,2,4-Trimethylbenzene

Concen: 1.138 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN084820.D

Acq: 13 Nov 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

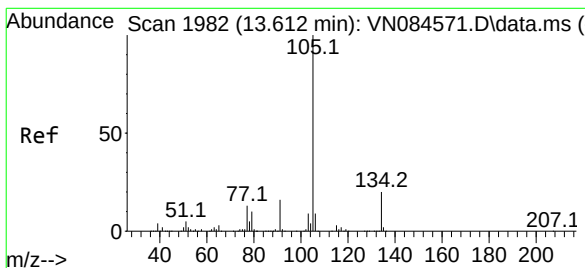
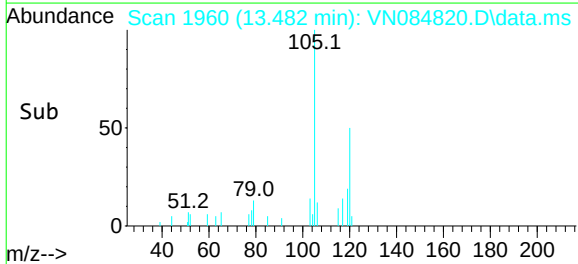
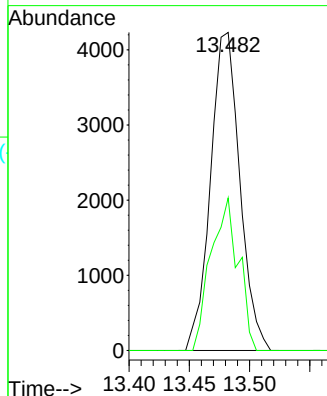
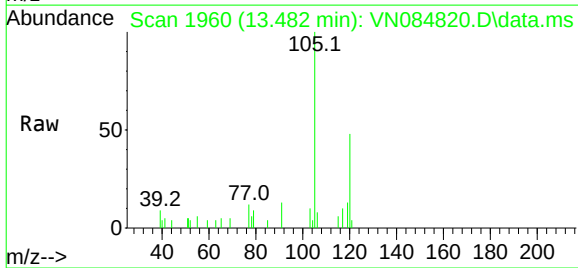
M00-24-00345

Tgt Ion:105 Resp: 7172

Ion Ratio Lower Upper

105 100

120 45.1 22.3 66.8



#85

sec-Butylbenzene

Concen: 0.403 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.006 min

Lab File: VN084820.D

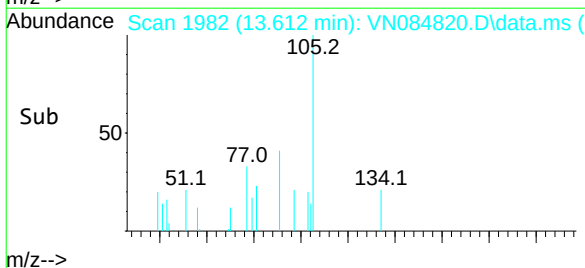
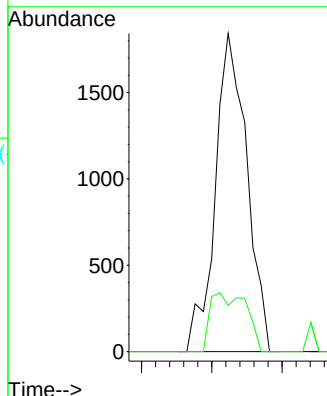
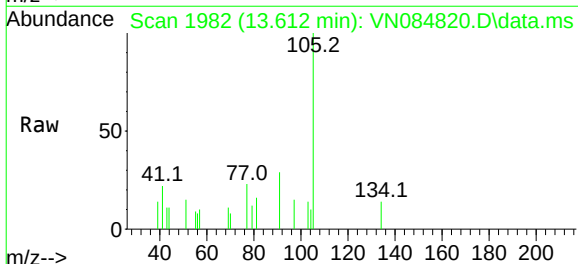
Acq: 13 Nov 2024 12:01

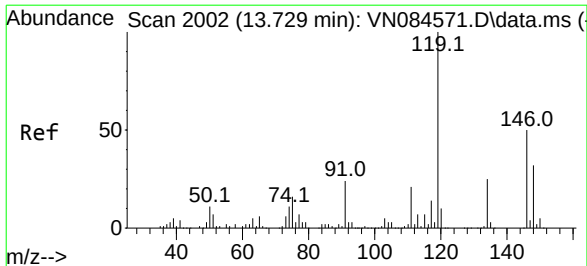
Tgt Ion:105 Resp: 2880

Ion Ratio Lower Upper

105 100

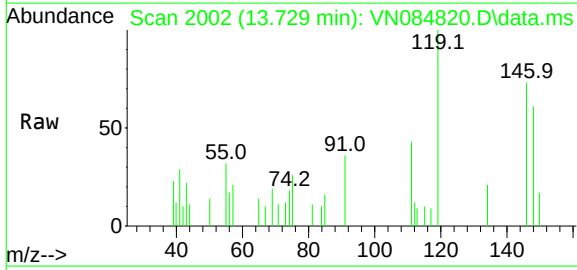
134 21.0 9.8 29.4



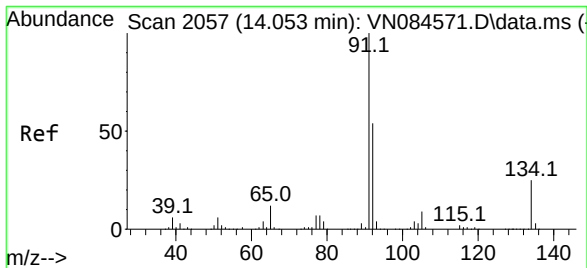
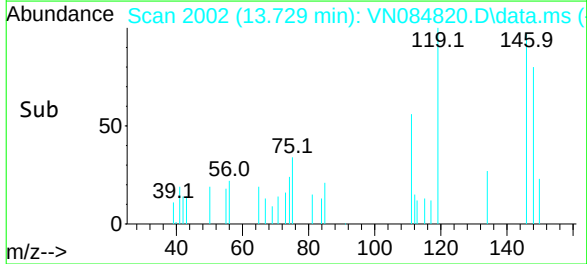
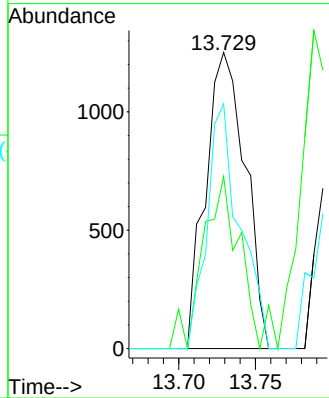


#87
1,3-Dichlorobenzene
Concen: 0.581 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084820.D
Acq: 13 Nov 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
M00-24-00345

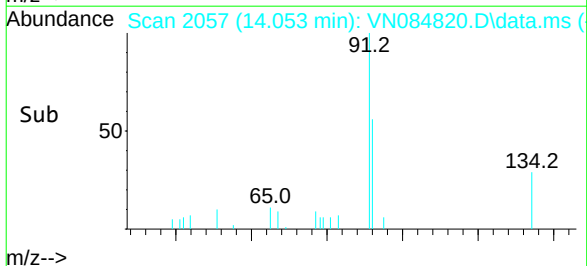
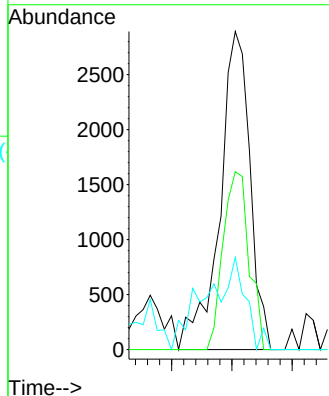
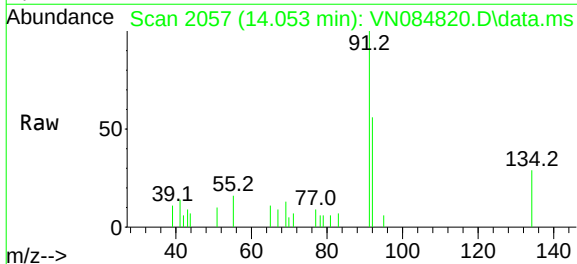


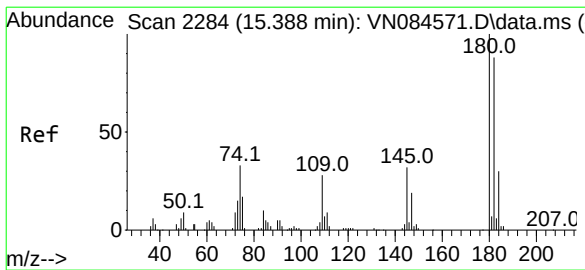
Tgt Ion: 146 Resp: 2245
Ion Ratio Lower Upper
146 100
111 52.7 21.8 65.3
148 68.4 31.9 95.7



#89
n-Butylbenzene
Concen: 0.917 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084820.D
Acq: 13 Nov 2024 12:01

Tgt Ion: 91 Resp: 5022
Ion Ratio Lower Upper
91 100
92 48.1 26.6 79.7
134 38.4 12.3 36.9#





#93

1,2,4-Trichlorobenzene

Concen: 1.189 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN084820.D

Acq: 13 Nov 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

M00-24-00345

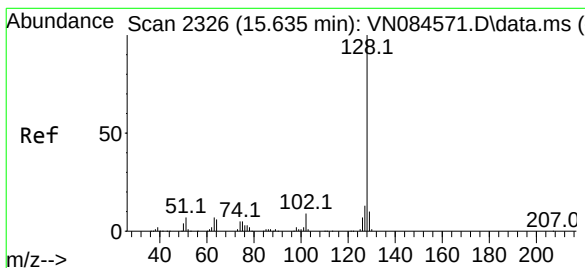
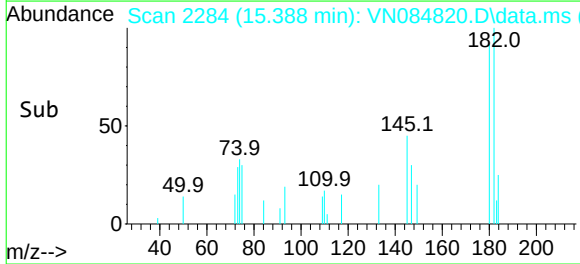
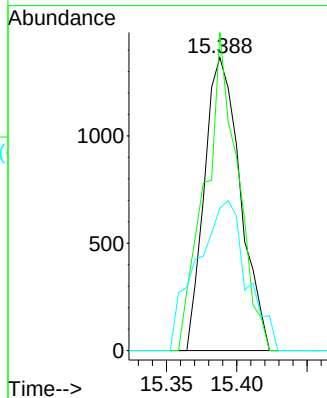
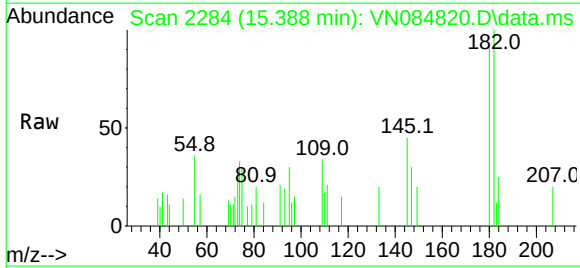
Tgt Ion:180 Resp: 2418

Ion Ratio Lower Upper

180 100

182 99.2 47.0 141.0

145 71.3 16.4 49.4#



#95

Naphthalene

Concen: 1.690 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN084820.D

Acq: 13 Nov 2024 12:01

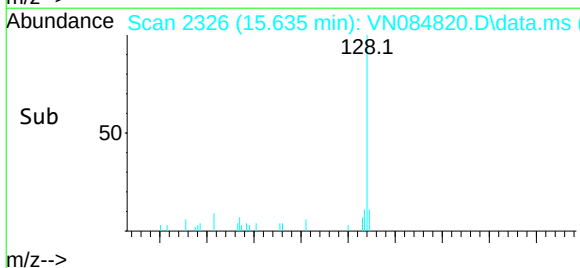
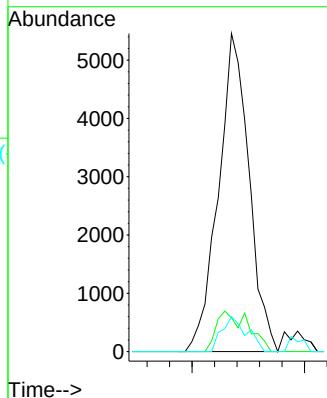
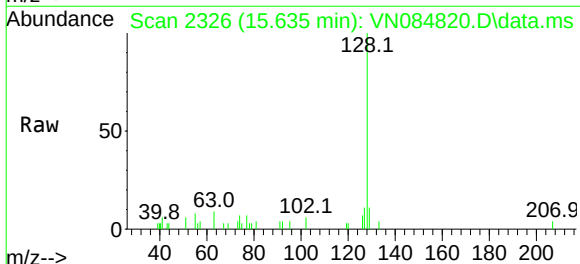
Tgt Ion:128 Resp: 10285

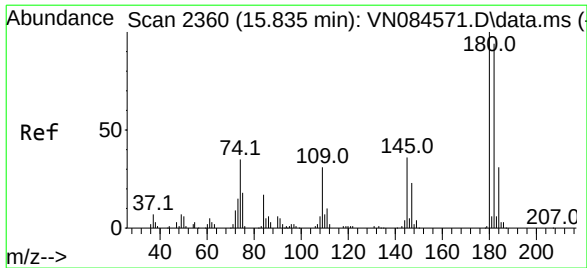
Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

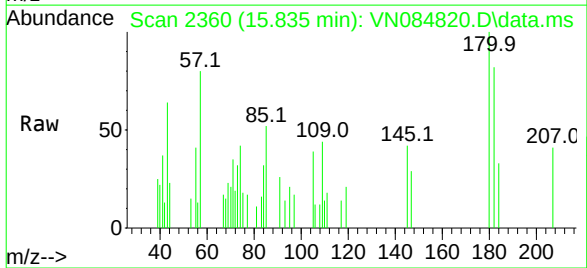
129 9.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.440 ug/l
 RT: 15.835 min Scan# 23
 Delta R.T. 0.000 min
 Lab File: VN084820.D
 Acq: 13 Nov 2024 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 M00-24-00345



Tgt Ion:	180	Resp:	2843
Ion Ratio	Lower	Upper	
180	100		
182	78.1	48.2	144.6
145	47.9	17.3	51.9

