

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084821.D
 Acq On : 13 Nov 2024 13:00
 Operator : JC\MD
 Sample : P4793-01DL 5X
 Misc : 1.35g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M00-24-00345DL

Quant Time: Nov 14 00:33:22 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)

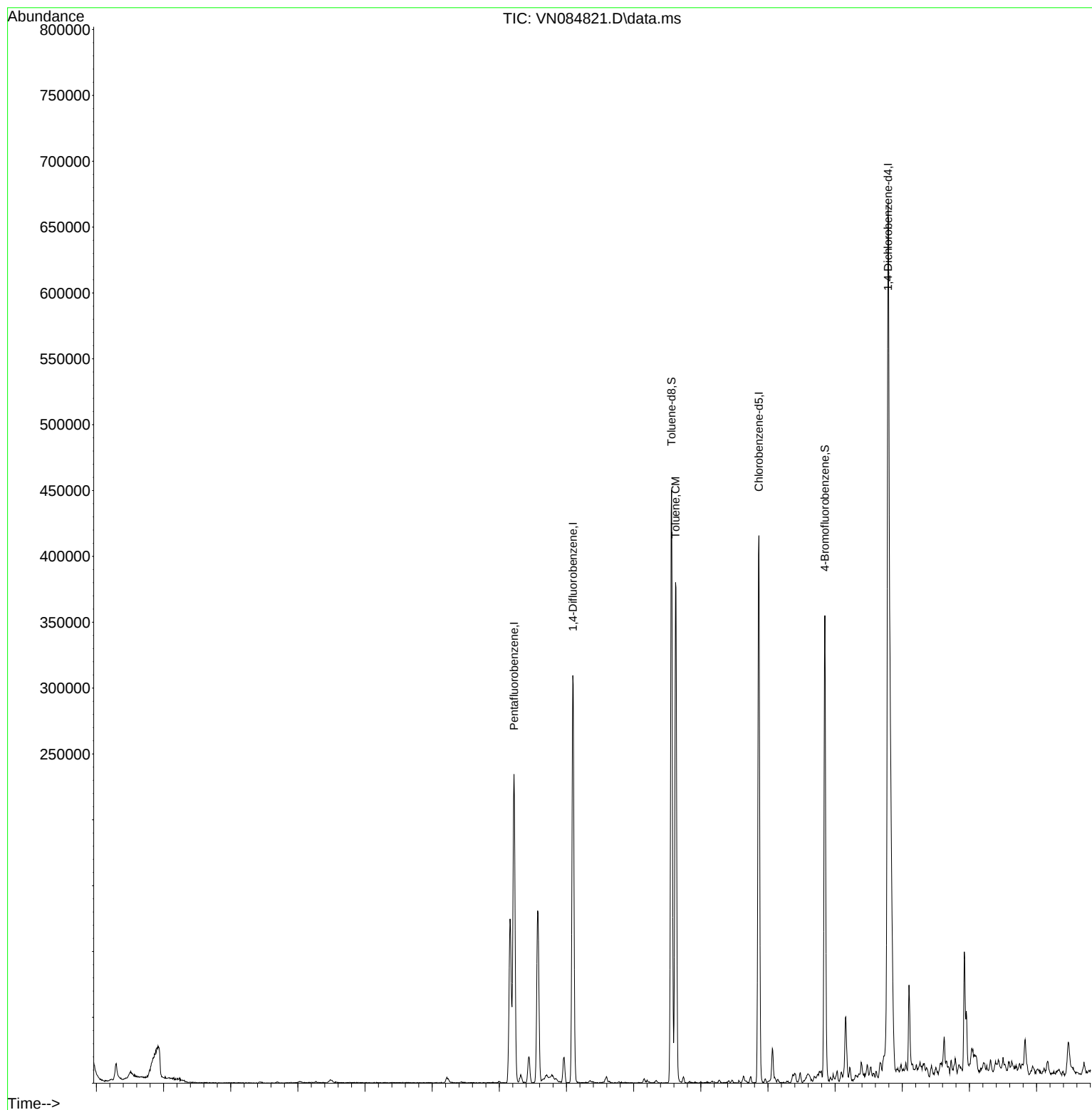
Internal Standards						
1) Pentafluorobenzene	8.218	168	161204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	277081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	241176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	112317	48.239	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.480%		
35) Dibromofluoromethane	8.159	113	89423	47.679	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.360%		
50) Toluene-d8	10.565	98	313313	45.350	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.700%		
62) 4-Bromofluorobenzene	12.847	95	126611	49.036	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.080%		
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.594	83	1857	0.702	ug/l	95
52) Toluene	10.624	92	173447	35.503	ug/l	100
67) Ethyl Benzene	11.965	91	2722	0.302	ug/l	89
68) m/p-Xylenes	12.065	106	3143	0.922	ug/l	91
69) o-Xylene	12.388	106	915	0.287	ug/l	70
70) Styrene	12.406	104	1545	0.278	ug/l #	83
77) Bromobenzene	12.971	156	900	0.386	ug/l	84
78) n-propylbenzene	13.035	91	4910	0.483	ug/l	96
79) 2-Chlorotoluene	13.123	91	2933	0.441	ug/l	75
80) 1,3,5-Trimethylbenzene	13.171	105	3448	0.479	ug/l	87
82) 4-Chlorotoluene	13.218	91	3106	0.444	ug/l	88
84) 1,2,4-Trimethylbenzene	13.476	105	6908	0.930	ug/l	94
85) sec-Butylbenzene	13.612	105	3000	0.357	ug/l	94
87) 1,3-Dichlorobenzene	13.735	146	2432	0.534	ug/l #	73
89) n-Butylbenzene	14.053	91	5020	0.778	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	2328	0.972	ug/l #	79
95) Naphthalene	15.641	128	7961	1.110	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.835	180	2601	1.119	ug/l #	87

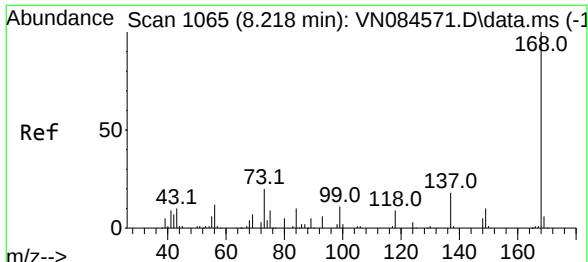
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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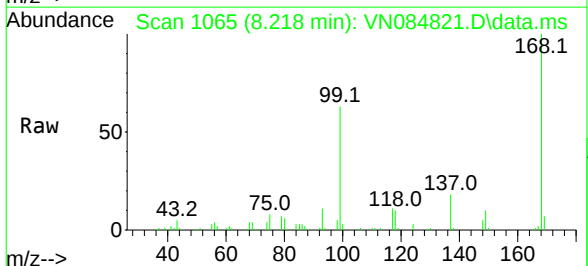
Quant Time: Nov 14 00:33:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
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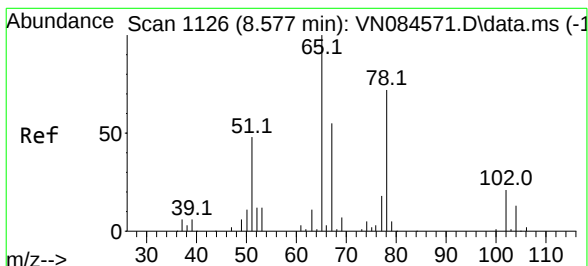
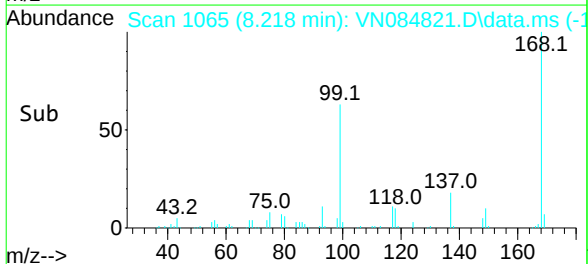
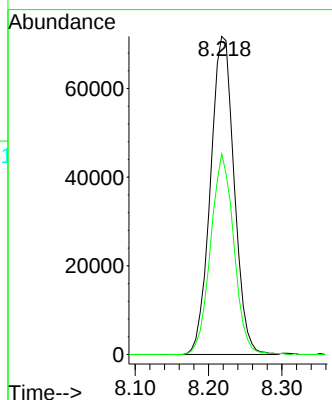


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084821.D
Acq: 13 Nov 2024 13:00

Instrument :
MSVOA_N
ClientSampleId :
M00-24-00345DL

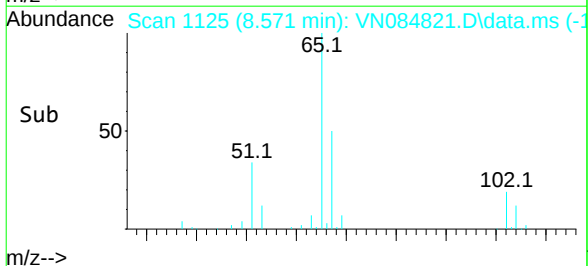
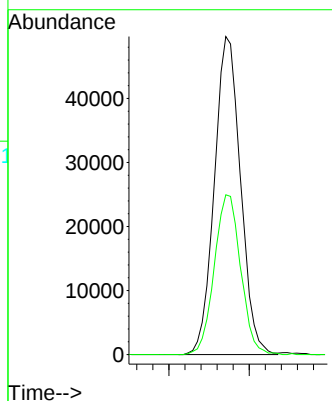
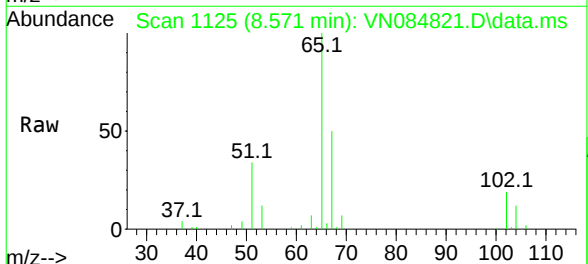


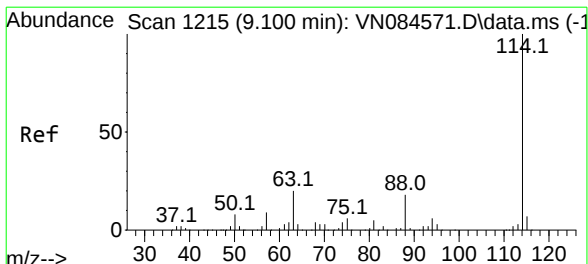
Tgt Ion:168 Resp: 161204
Ion Ratio Lower Upper
168 100
99 63.1 54.2 81.2



#33
1,2-Dichloroethane-d4
Concen: 48.239 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084821.D
Acq: 13 Nov 2024 13:00

Tgt Ion: 65 Resp: 112317
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.0

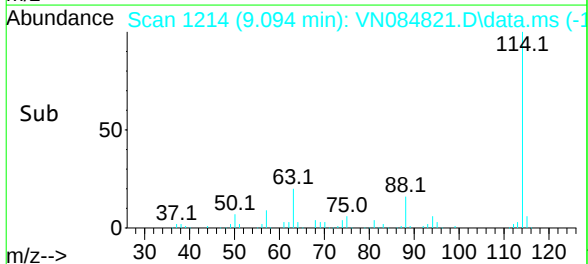
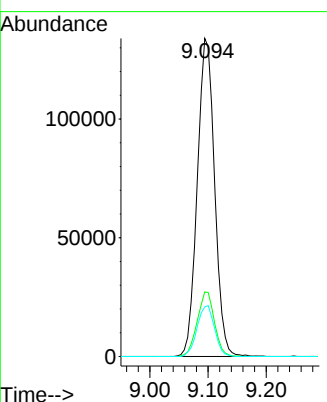
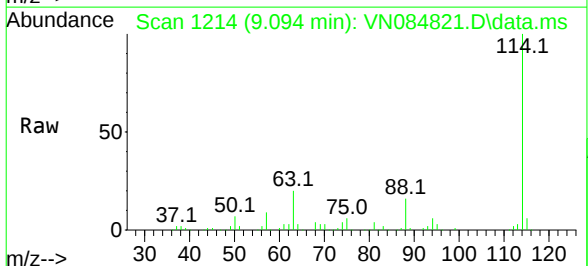




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN084821.D
 Acq: 13 Nov 2024 13:00

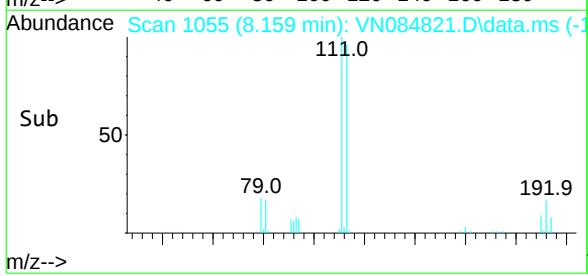
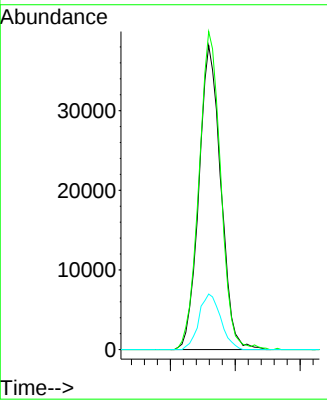
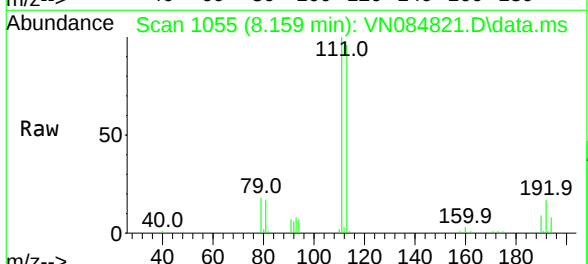
Instrument :
 MSVOA_N
 ClientSampleId :
 M00-24-00345DL

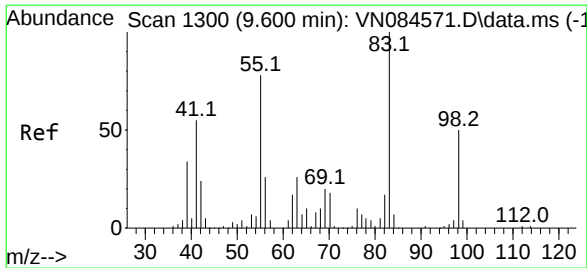
Tgt Ion:	114	Resp:	277081
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.8
88	15.6	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 47.679 ug/l
 RT: 8.159 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VN084821.D
 Acq: 13 Nov 2024 13:00

Tgt Ion:	113	Resp:	89423
Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.3	124.9
192	18.2	13.5	20.3

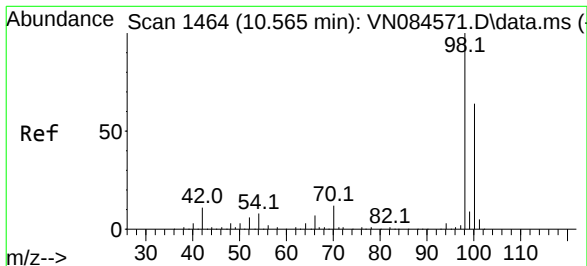
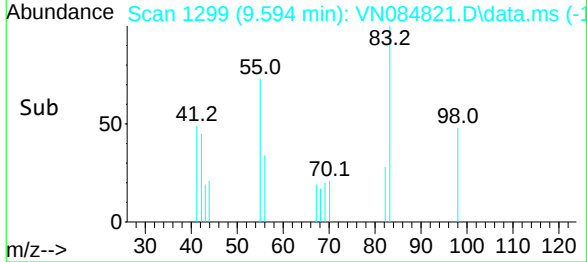
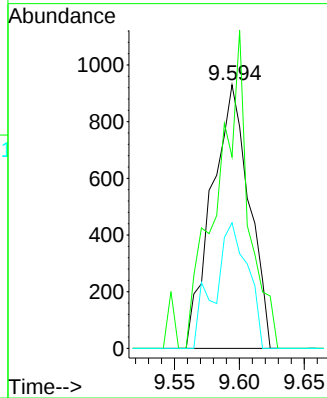
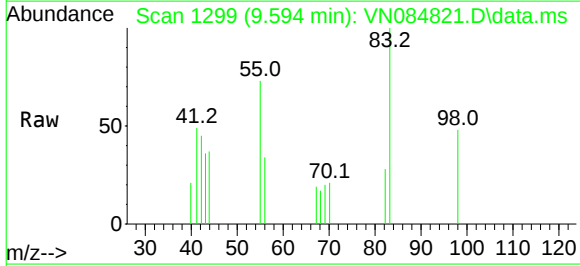




#39
Methylcyclohexane
Concen: 0.702 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084821.D
Acq: 13 Nov 2024 13:00

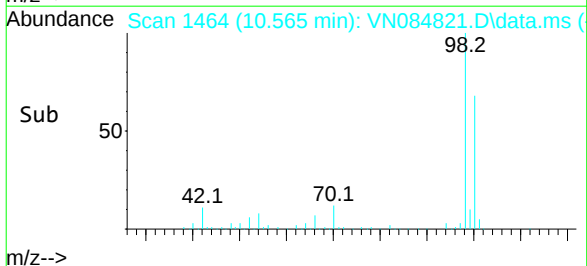
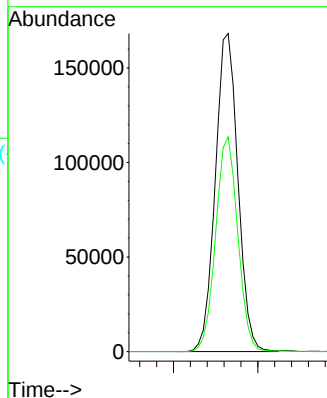
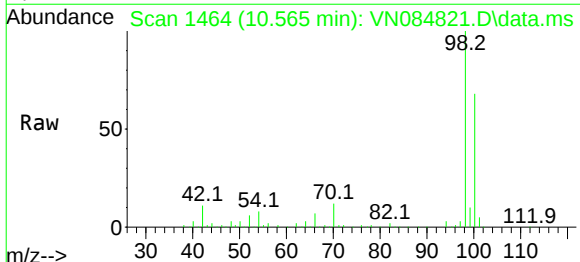
Instrument :
MSVOA_N
ClientSampleId :
M00-24-00345DL

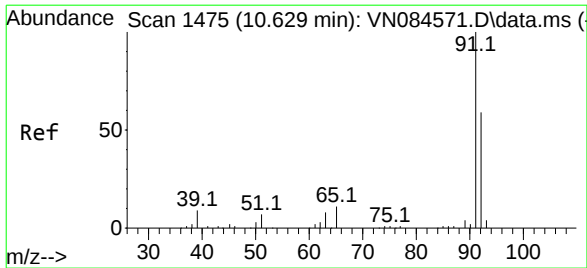
Tgt Ion:	83	Resp:	1857
Ion	Ratio	Lower	Upper
83	100		
55	72.7	62.8	94.2
98	47.6	38.8	58.2



#50
Toluene-d8
Concen: 45.350 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084821.D
Acq: 13 Nov 2024 13:00

Tgt Ion:	98	Resp:	313313
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.7	79.1





#52

Toluene

Concen: 35.503 ug/l

RT: 10.624 min Scan# 14

Delta R.T. -0.006 min

Lab File: VN084821.D

Acq: 13 Nov 2024 13:00

Instrument :

MSVOA_N

ClientSampleId :

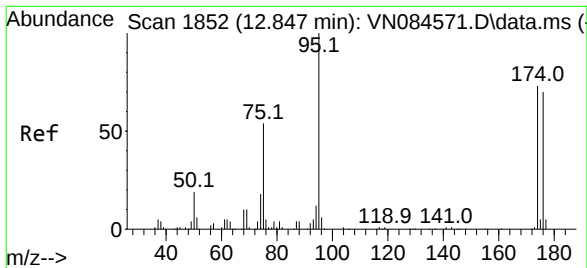
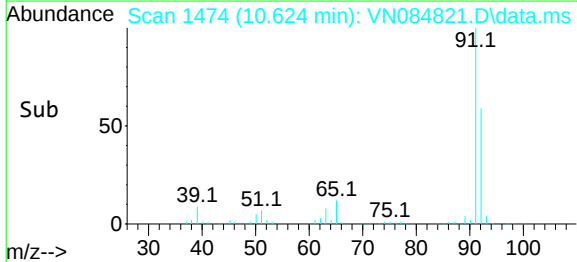
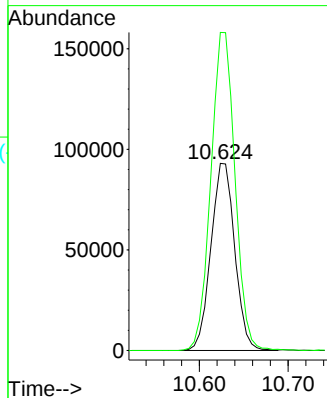
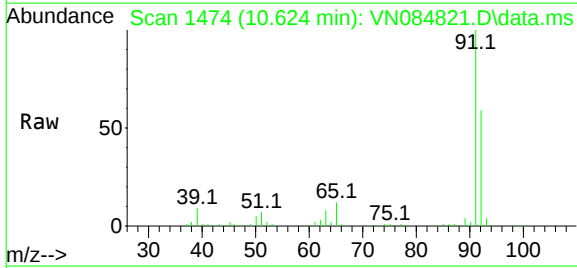
M00-24-00345DL

Tgt Ion: 92 Resp: 173447

Ion Ratio Lower Upper

92 100

91 172.2 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 49.036 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084821.D

Acq: 13 Nov 2024 13:00

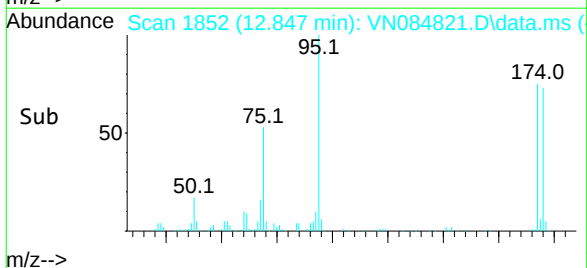
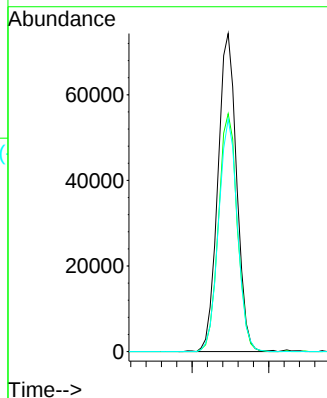
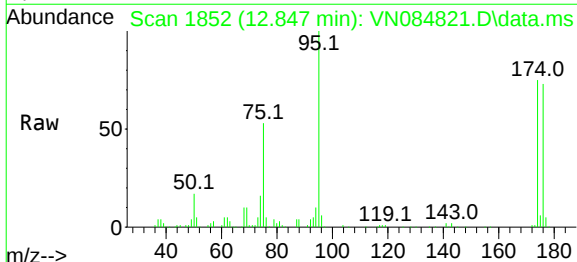
Tgt Ion: 95 Resp: 126611

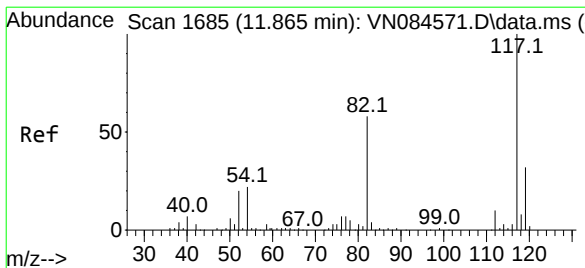
Ion Ratio Lower Upper

95 100

174 74.8 0.0 145.2

176 73.0 0.0 140.0

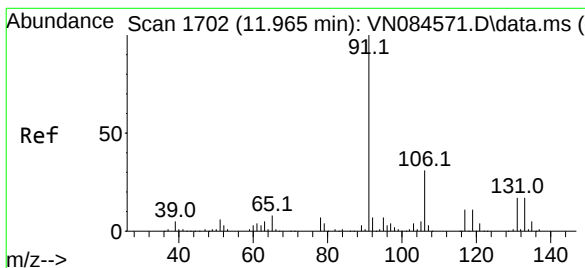
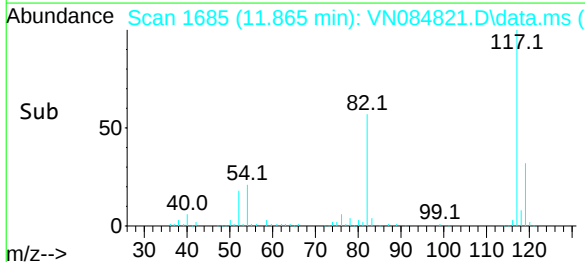
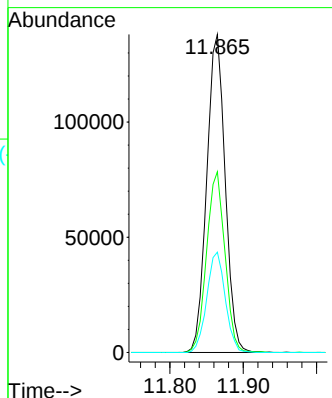
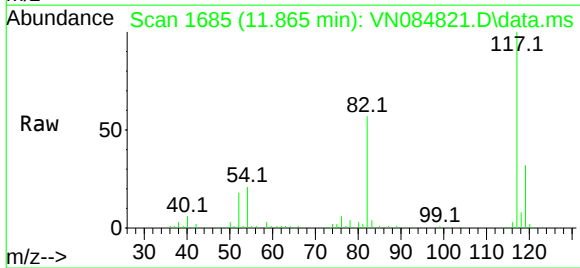




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084821.D
Acq: 13 Nov 2024 13:00

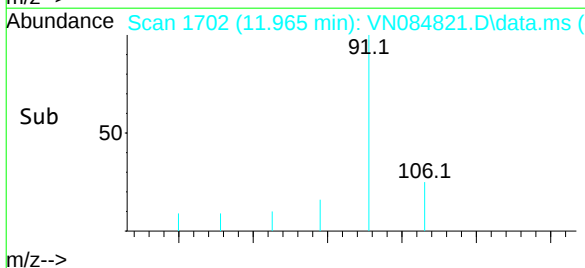
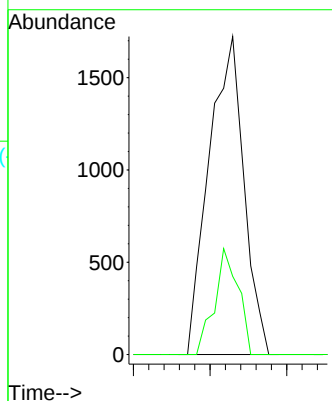
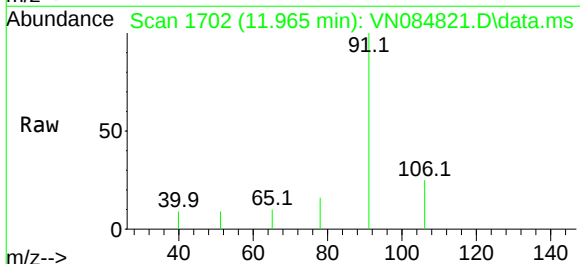
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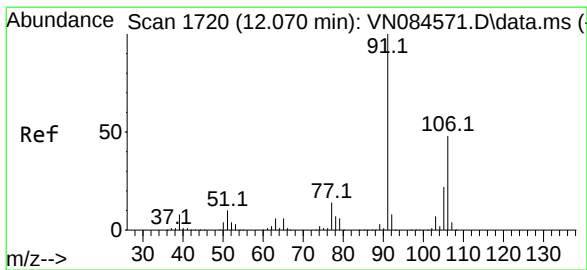
Tgt Ion: 117 Resp: 241176
Ion Ratio Lower Upper
117 100
82 56.8 47.2 70.8
119 31.5 25.4 38.0



#67
Ethyl Benzene
Concen: 0.302 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084821.D
Acq: 13 Nov 2024 13:00

Tgt Ion: 91 Resp: 2722
Ion Ratio Lower Upper
91 100
106 24.6 24.5 36.7

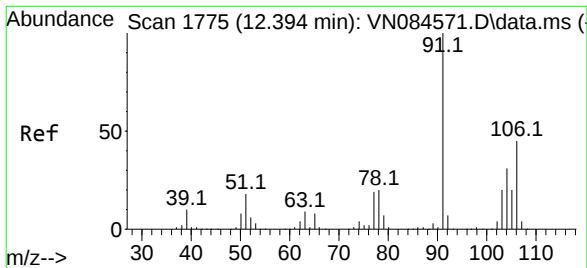
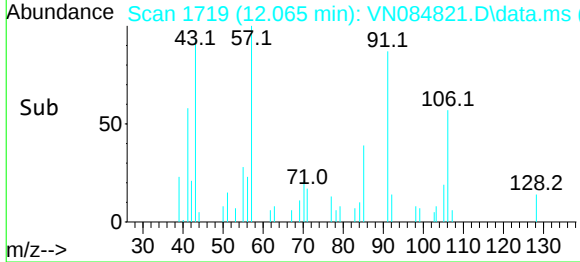
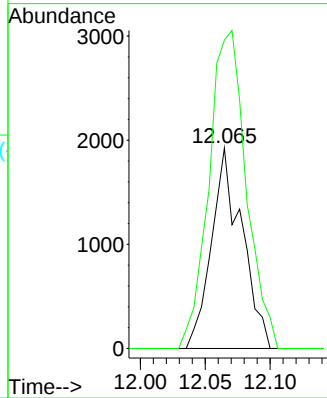
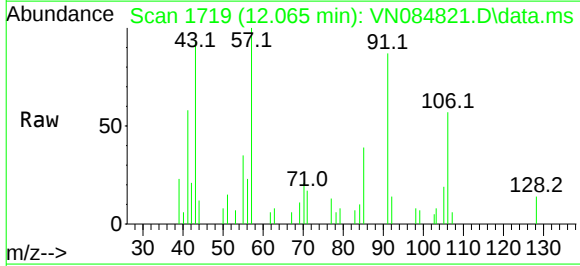




#68
m/p-Xylenes
Concen: 0.922 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084821.D
Acq: 13 Nov 2024 13:00

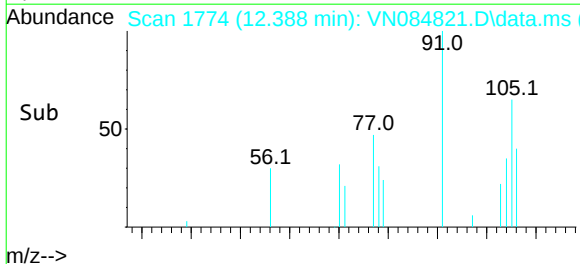
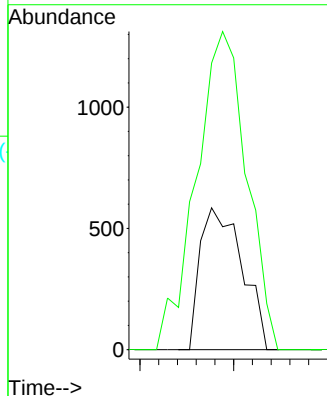
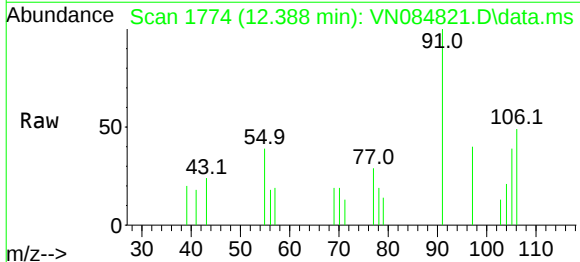
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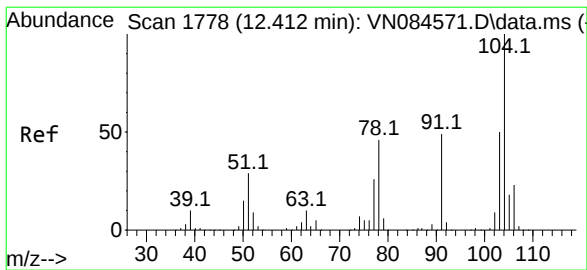
Tgt Ion:106 Resp: 3143
Ion Ratio Lower Upper
106 100
91 194.5 167.1 250.7



#69
o-Xylene
Concen: 0.287 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN084821.D
Acq: 13 Nov 2024 13:00

Tgt Ion:106 Resp: 915
Ion Ratio Lower Upper
106 100
91 268.2 110.2 330.6





#70

Styrene

Concen: 0.278 ug/l

RT: 12.406 min Scan# 17

Delta R.T. -0.006 min

Lab File: VN084821.D

Acq: 13 Nov 2024 13:00

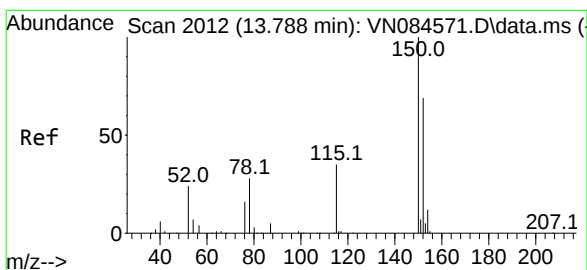
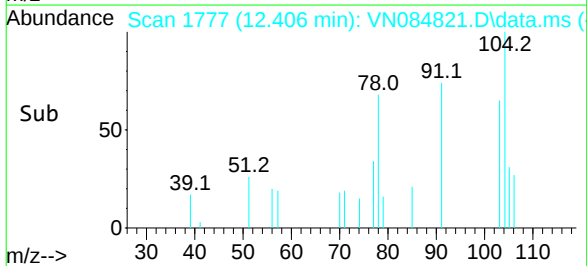
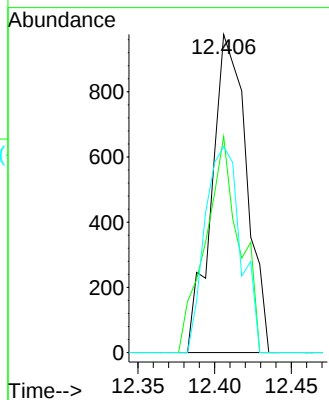
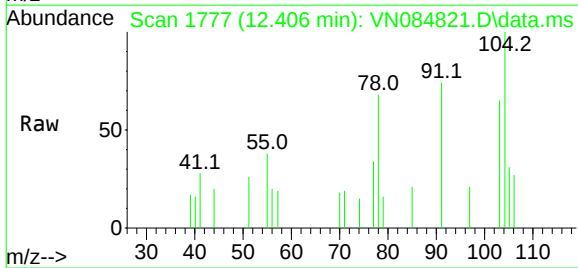
Instrument :

MSVOA_N

ClientSampleId :

M00-24-00345DL

Tgt Ion:	104	Resp:	1545
Ion	Ratio	Lower	Upper
104	100		
78	66.5	42.7	64.1#
103	66.2	43.6	65.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

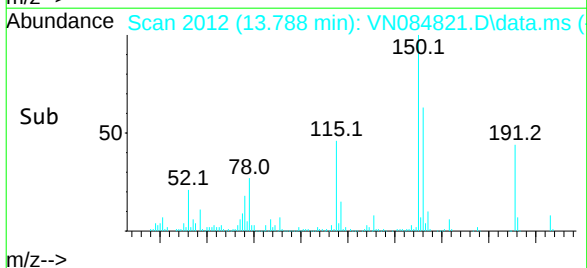
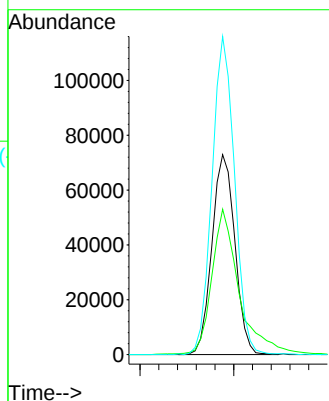
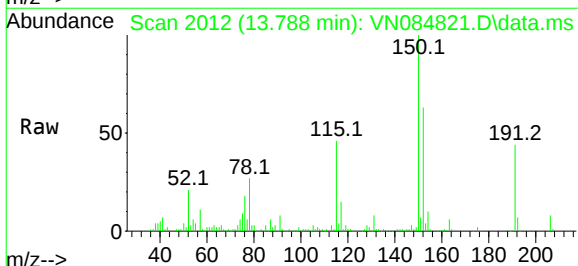
RT: 13.788 min Scan# 2012

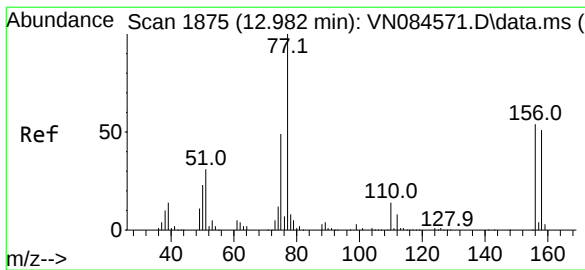
Delta R.T. 0.000 min

Lab File: VN084821.D

Acq: 13 Nov 2024 13:00

Tgt Ion:	152	Resp:	123871
Ion	Ratio	Lower	Upper
152	100		
115	87.4	31.3	93.9
150	156.7	0.0	349.8





#77

Bromobenzene

Concen: 0.386 ug/l

RT: 12.971 min Scan# 1875

Delta R.T. -0.012 min

Lab File: VN084821.D

Acq: 13 Nov 2024 13:00

Instrument :

MSVOA_N

ClientSampleId :

M00-24-00345DL

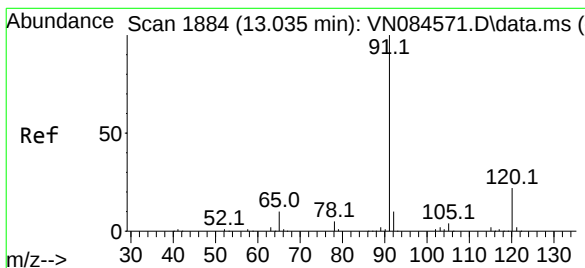
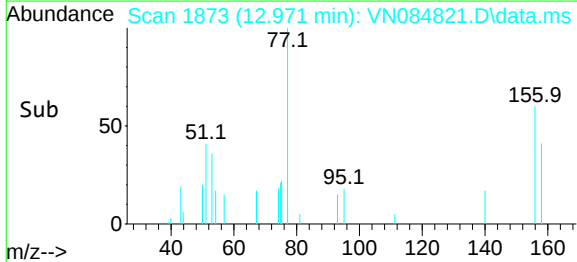
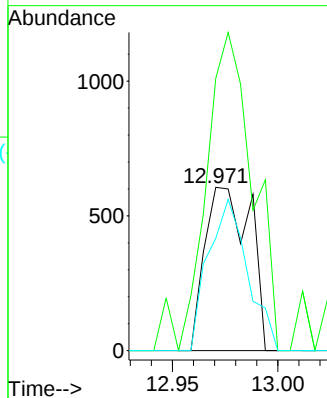
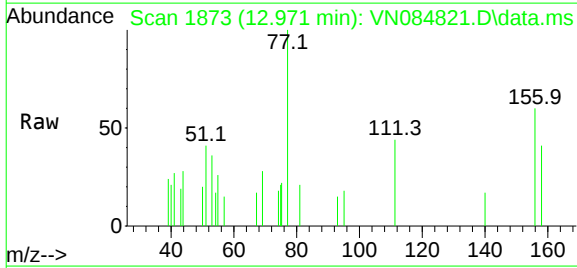
Tgt Ion:156 Resp: 900

Ion Ratio Lower Upper

156 100

77 205.7 115.1 345.3

158 80.9 48.9 146.8



#78

n-propylbenzene

Concen: 0.483 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN084821.D

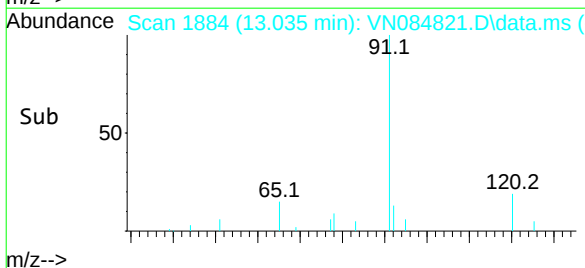
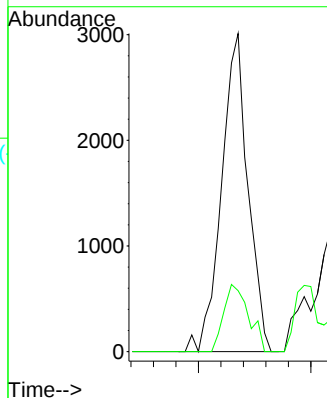
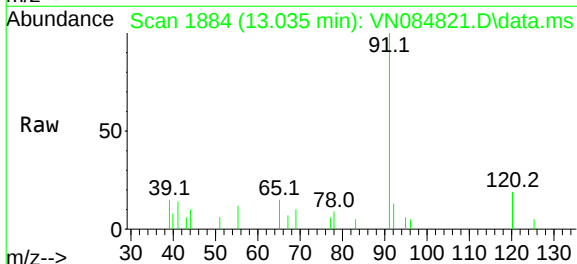
Acq: 13 Nov 2024 13:00

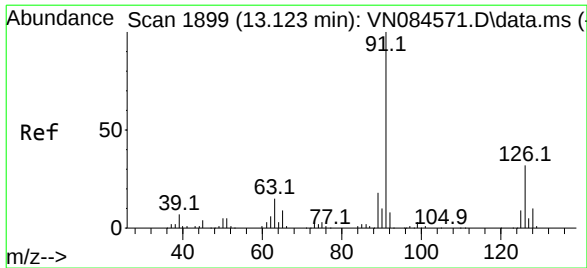
Tgt Ion: 91 Resp: 4910

Ion Ratio Lower Upper

91 100

120 19.9 10.8 32.4





#79

2-Chlorotoluene

Concen: 0.441 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN084821.D

Acq: 13 Nov 2024 13:00

Instrument :

MSVOA_N

ClientSampleId :

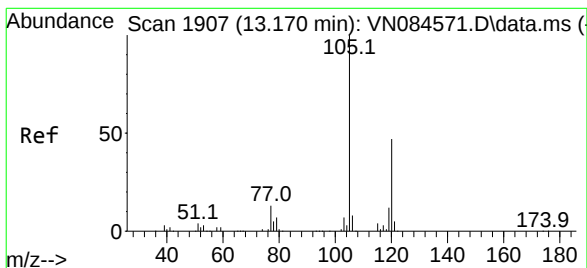
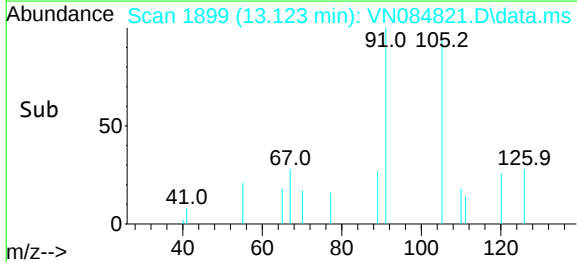
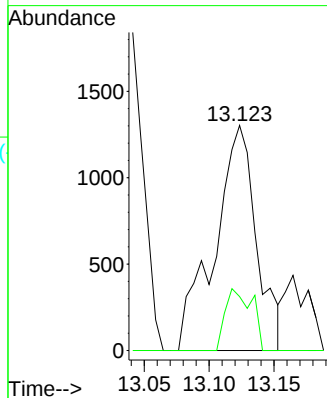
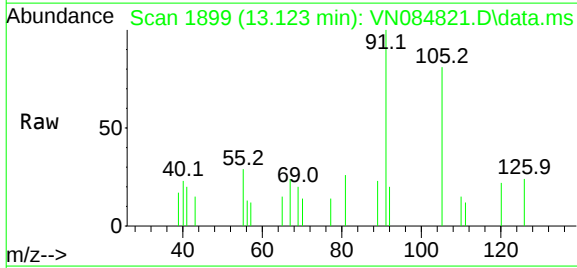
M00-24-00345DL

Tgt Ion: 91 Resp: 2933

Ion Ratio Lower Upper

91 100

126 17.4 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 0.479 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN084821.D

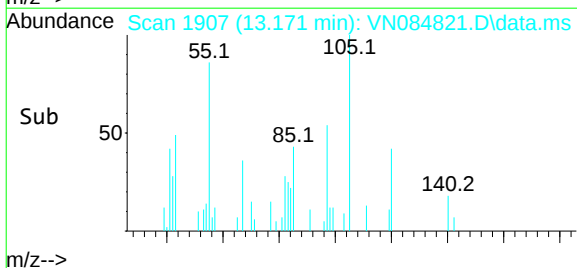
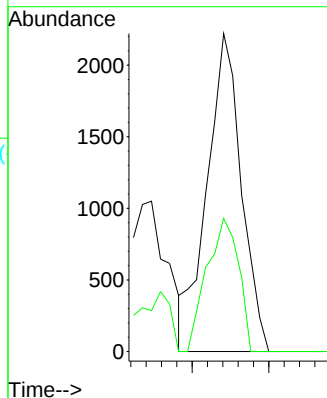
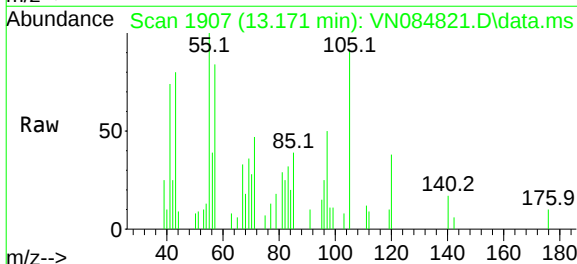
Acq: 13 Nov 2024 13:00

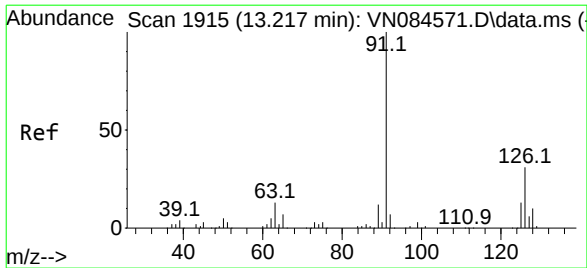
Tgt Ion: 105 Resp: 3448

Ion Ratio Lower Upper

105 100

120 38.9 23.7 71.1





#82

4-Chlorotoluene

Concen: 0.444 ug/l

RT: 13.218 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VN084821.D

Acq: 13 Nov 2024 13:00

Instrument :

MSVOA_N

ClientSampleId :

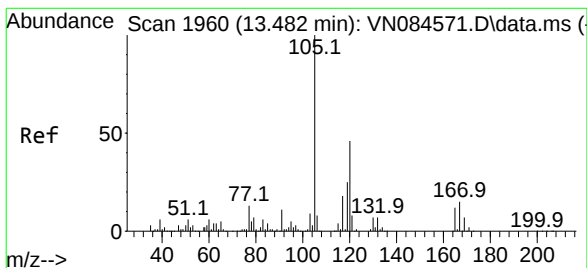
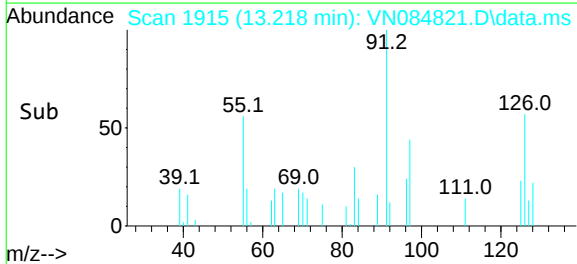
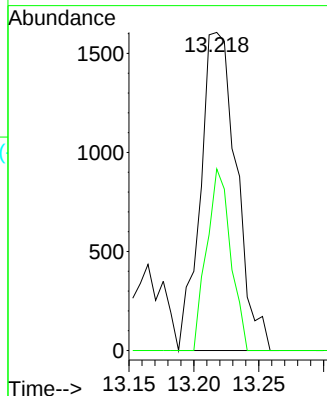
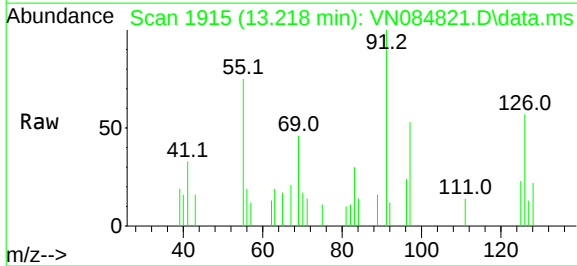
M00-24-00345DL

Tgt Ion: 91 Resp: 3106

Ion Ratio Lower Upper

91 100

126 38.0 15.7 47.1



#84

1,2,4-Trimethylbenzene

Concen: 0.930 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.006 min

Lab File: VN084821.D

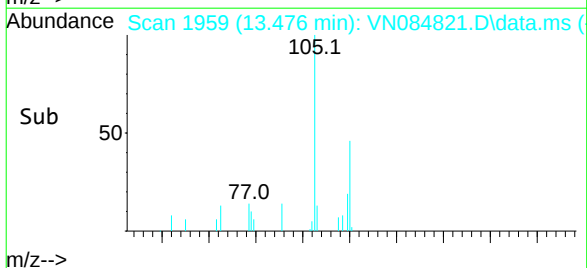
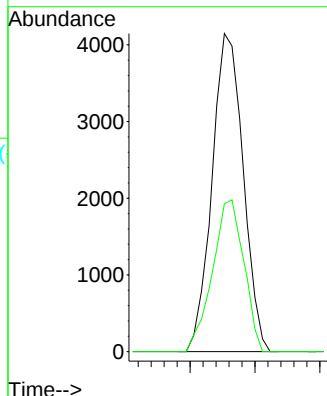
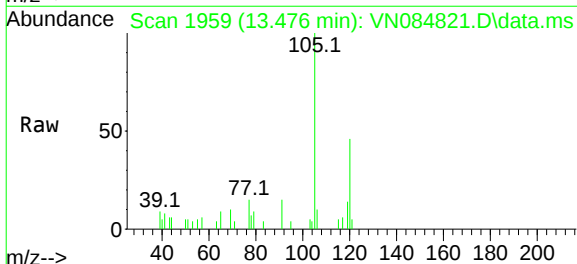
Acq: 13 Nov 2024 13:00

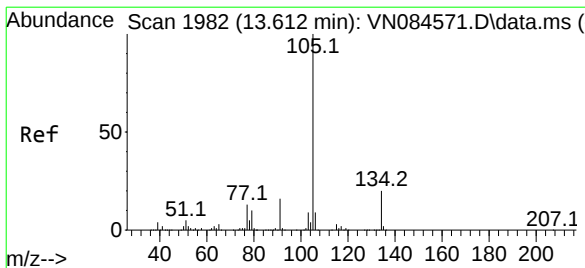
Tgt Ion:105 Resp: 6908

Ion Ratio Lower Upper

105 100

120 48.1 22.3 66.8





#85

sec-Butylbenzene

Concen: 0.357 ug/l

RT: 13.612 min Scan# 19

Delta R.T. -0.006 min

Lab File: VN084821.D

Acq: 13 Nov 2024 13:00

Instrument :

MSVOA_N

ClientSampleId :

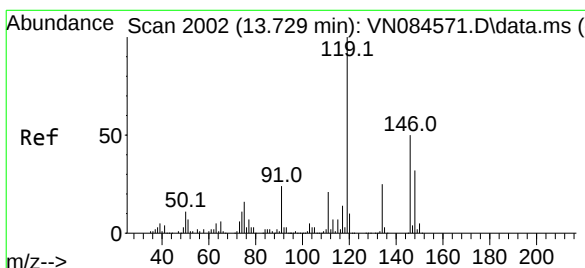
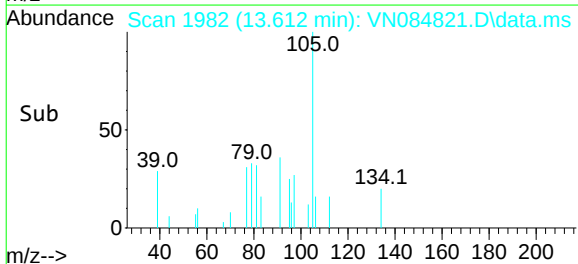
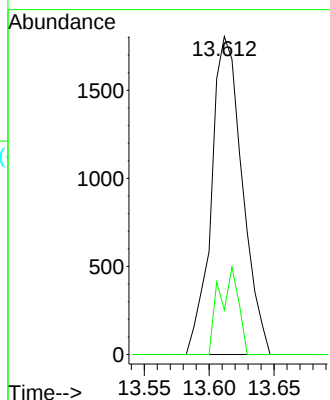
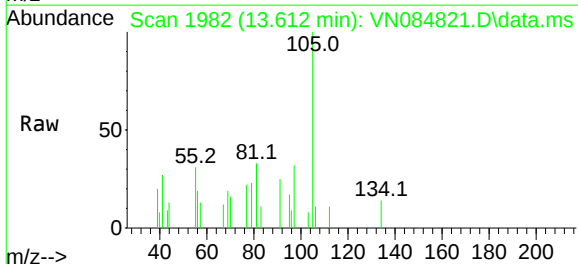
M00-24-00345DL

Tgt Ion:105 Resp: 3000

Ion Ratio Lower Upper

105 100

134 16.9 9.8 29.4



#87

1,3-Dichlorobenzene

Concen: 0.534 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN084821.D

Acq: 13 Nov 2024 13:00

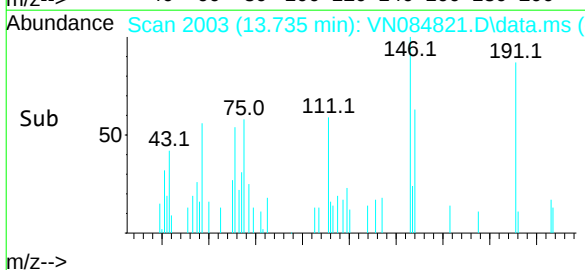
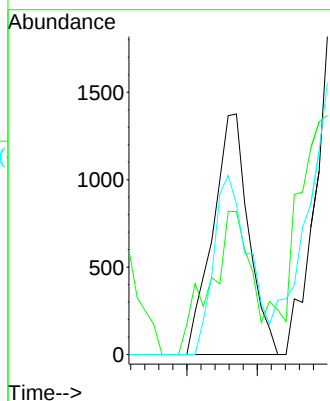
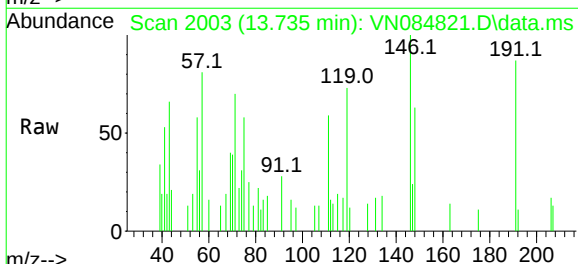
Tgt Ion:146 Resp: 2432

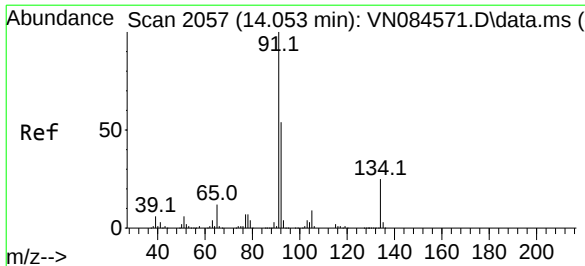
Ion Ratio Lower Upper

146 100

111 74.8 21.8 65.3#

148 73.6 31.9 95.7





#89

n-Butylbenzene

Concen: 0.778 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN084821.D

Acq: 13 Nov 2024 13:00

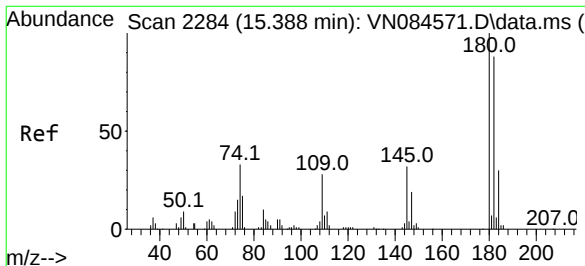
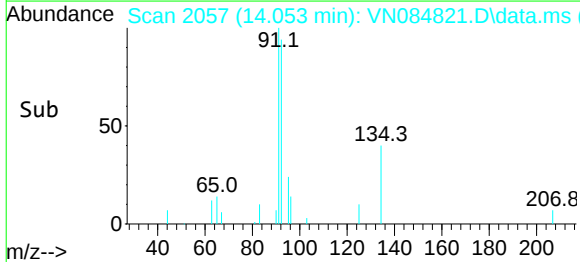
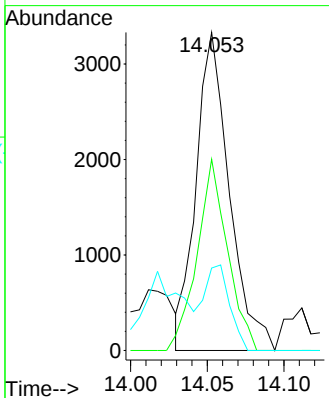
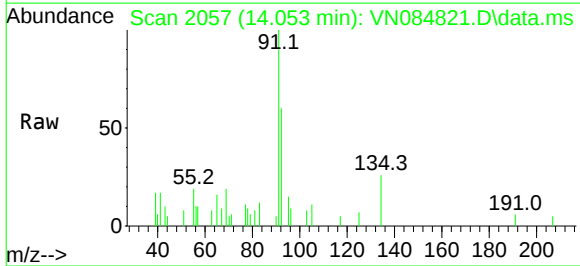
Instrument :

MSVOA_N

ClientSampleId :

M00-24-00345DL

Tgt Ion:	91	Resp:	5020
Ion	Ratio	Lower	Upper
91	100		
92	54.9	26.6	79.7
134	20.8	12.3	36.9



#93

1,2,4-Trichlorobenzene

Concen: 0.972 ug/l

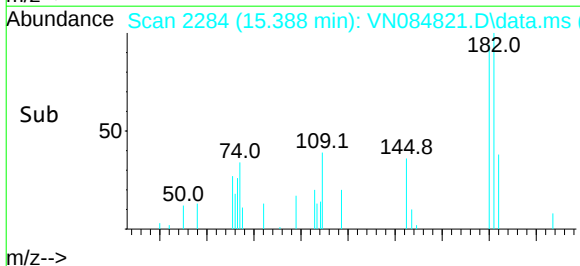
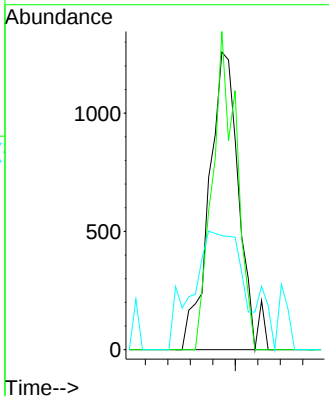
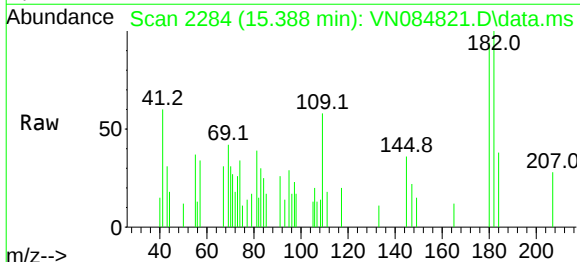
RT: 15.388 min Scan# 2284

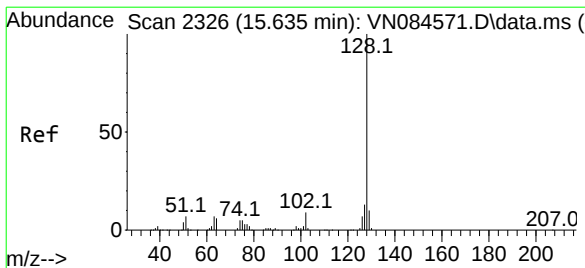
Delta R.T. 0.000 min

Lab File: VN084821.D

Acq: 13 Nov 2024 13:00

Tgt Ion:	180	Resp:	2328
Ion	Ratio	Lower	Upper
180	100		
182	86.0	47.0	141.0
145	66.1	16.4	49.4





#95

Naphthalene

Concen: 1.110 ug/l

RT: 15.641 min Scan# 2326

Delta R.T. 0.006 min

Lab File: VN084821.D

Acq: 13 Nov 2024 13:00

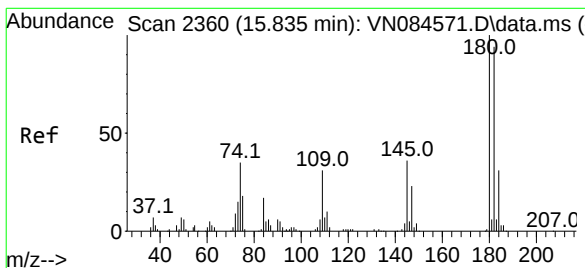
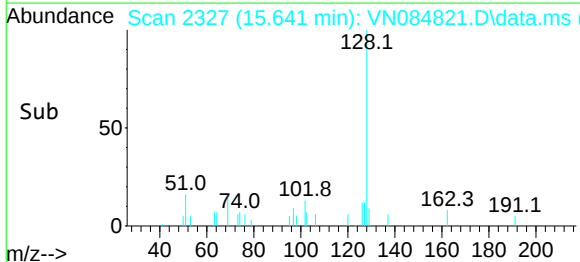
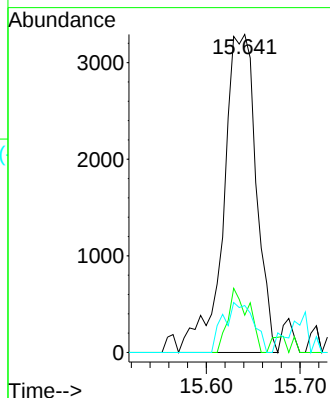
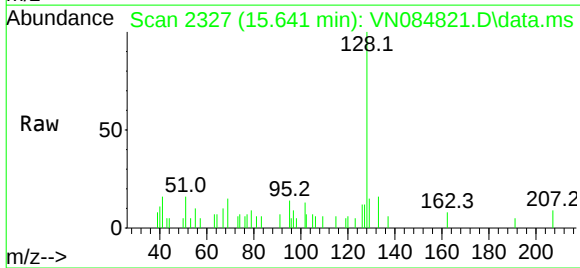
Instrument :

MSVOA_N

ClientSampleId :

M00-24-00345DL

Tgt Ion:	128	Resp:	7961
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	14.6	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.119 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN084821.D

Acq: 13 Nov 2024 13:00

Tgt Ion:	180	Resp:	2601
Ion	Ratio	Lower	Upper
180	100		
182	92.4	48.2	144.6
145	57.1	17.3	51.9

