

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111824\
 Data File : VN084925.D
 Acq On : 18 Nov 2024 17:16
 Operator : JC\MD
 Sample : P4871-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-10-A-202411

Quant Time: Nov 19 00:31:18 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)

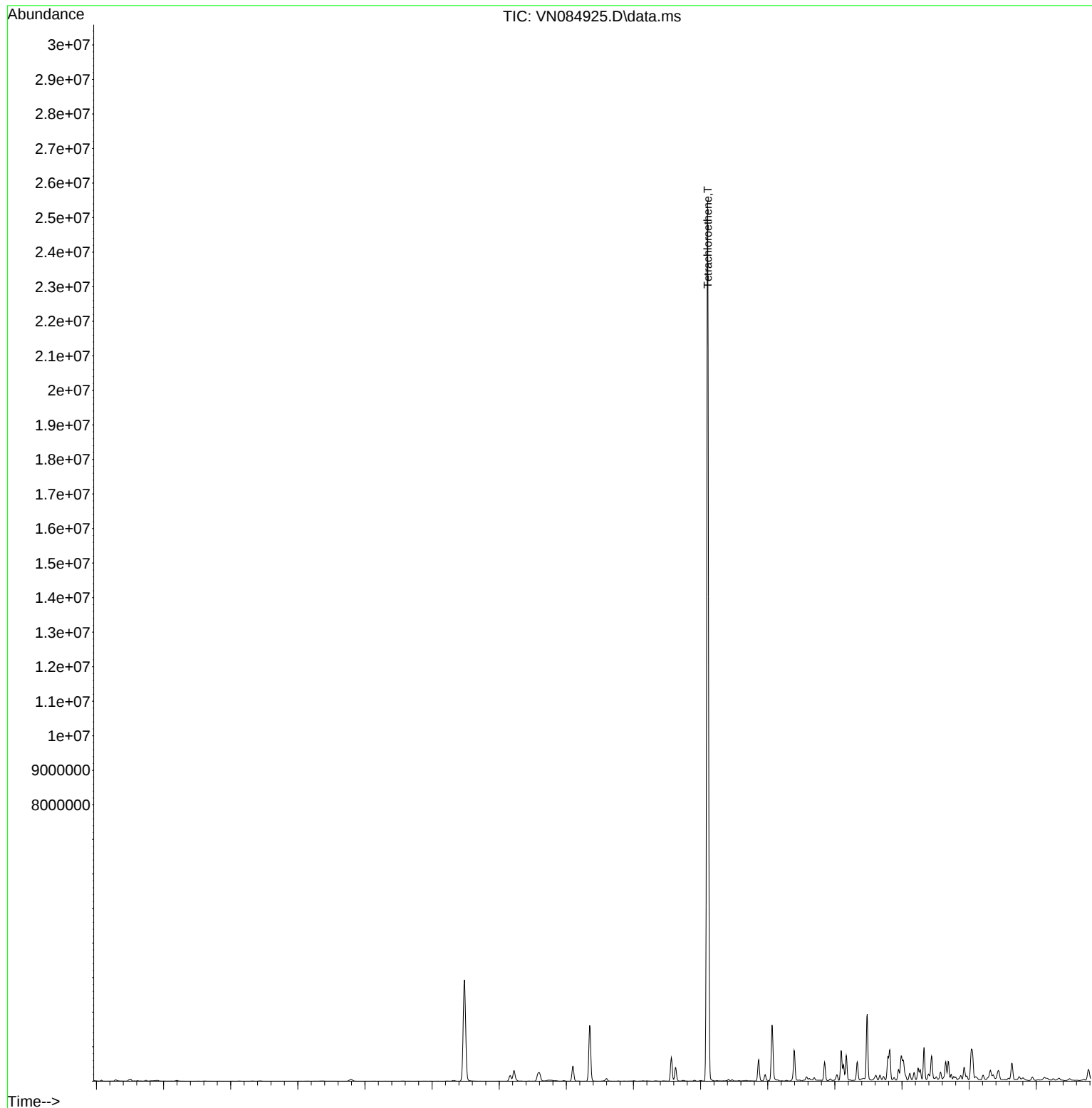
Internal Standards						
1) Pentafluorobenzene	8.224	168	212261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	374690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	341618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	177257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149674	48.821	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.640%		
35) Dibromofluoromethane	8.165	113	117854	46.469	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.940%		
50) Toluene-d8	10.565	98	445027	47.634	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.260%		
62) 4-Bromofluorobenzene	12.847	95	195083	55.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	111.740%		
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.512	62	32942	12.552	ug/l	98
16) Acetone	4.442	43	14443	13.612	ug/l	97
19) Methyl tert-butyl Ether	5.800	73	68523	9.249	ug/l #	83
27) cis-1,2-Dichloroethene	7.483	96	1746519	602.627	ug/l	88
31) Cyclohexane	8.247	56	22639	5.349	ug/l	97
39) Methylcyclohexane	9.594	83	33130	9.259	ug/l	98
40) Benzene	8.606	78	211902	18.759	ug/l	98
44) Trichloroethene	9.347	130	563236	216.202	ug/l	97
52) Toluene	10.629	92	178267	26.984	ug/l	100
64) Tetrachloroethene	11.106	164	5606627	2467.354	ug/l	95
67) Ethyl Benzene	11.965	91	116030	9.095	ug/l	98
68) m/p-Xylenes	12.065	106	511993	106.009	ug/l	100
69) o-Xylene	12.394	106	234408	51.882	ug/l	97
73) Isopropylbenzene	12.694	105	50888	4.097	ug/l	97
78) n-propylbenzene	13.035	91	105055	7.217	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	369828	35.922	ug/l	99
83) tert-Butylbenzene	13.435	119	17890	2.100	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1117778	105.195	ug/l	99
85) sec-Butylbenzene	13.612	105	84257	7.000	ug/l #	73
86) p-Isopropyltoluene	13.729	119	53322	5.402	ug/l	99
95) Naphthalene	15.635	128	470689	45.877	ug/l	99

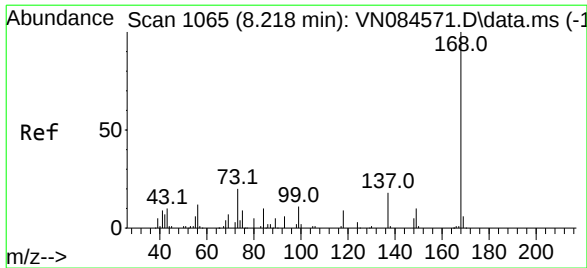
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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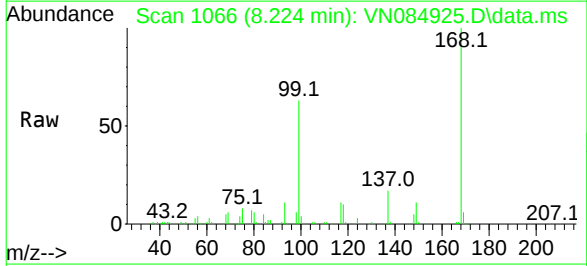
Quant Time: Nov 19 00:31:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
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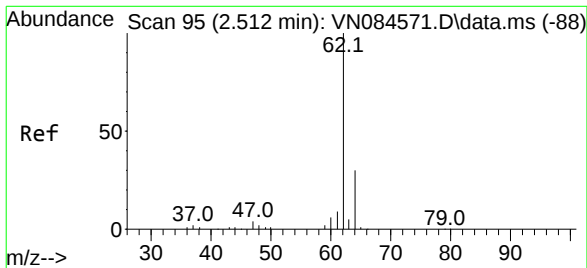
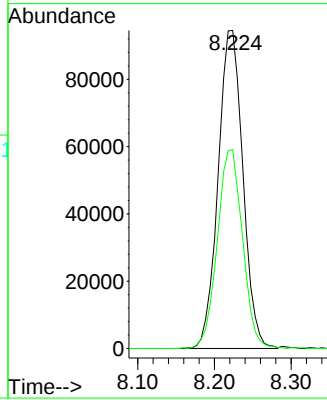
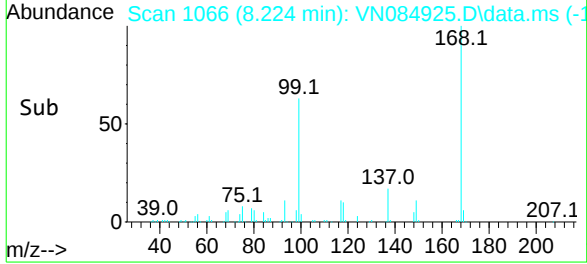


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084925.D
Acq: 18 Nov 2024 17:16

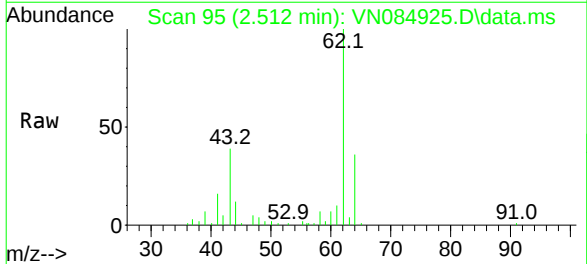
Instrument :
MSVOA_N
ClientSampleId :
WC-10-A-202411



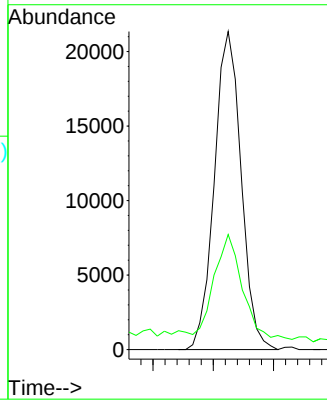
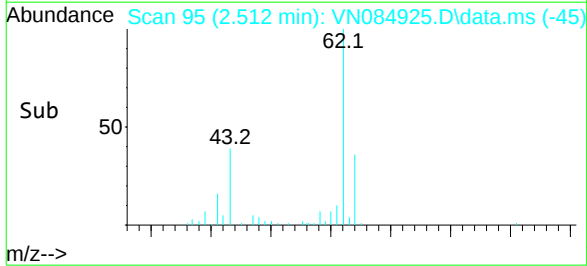
Tgt Ion:168 Resp: 212261
Ion Ratio Lower Upper
168 100
99 62.5 54.2 81.2

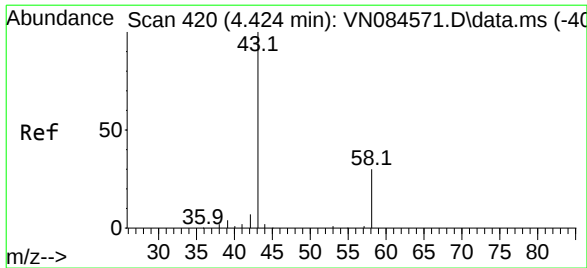


#4
Vinyl Chloride
Concen: 12.552 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084925.D
Acq: 18 Nov 2024 17:16



Tgt Ion: 62 Resp: 32942
Ion Ratio Lower Upper
62 100
64 31.8 26.2 39.4

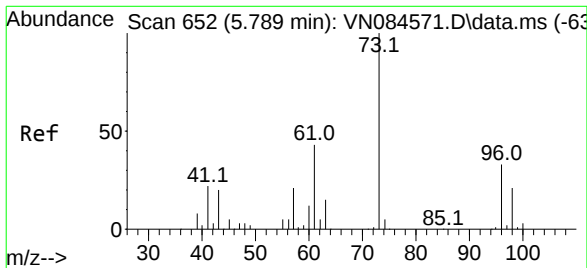
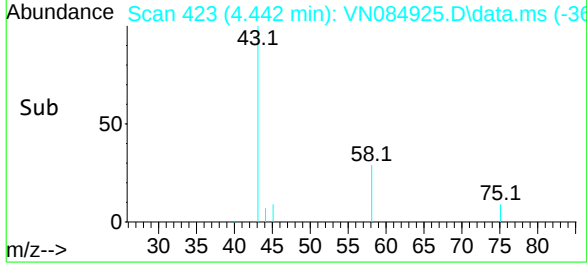
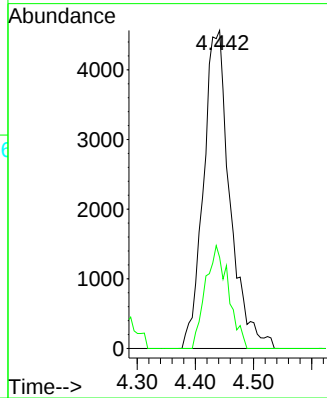
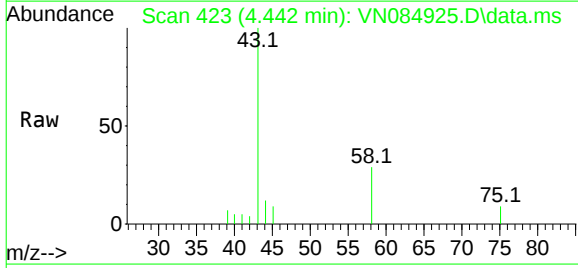




#16
Acetone
Concen: 13.612 ug/l
RT: 4.442 min Scan# 42
Delta R.T. 0.018 min
Lab File: VN084925.D
Acq: 18 Nov 2024 17:16

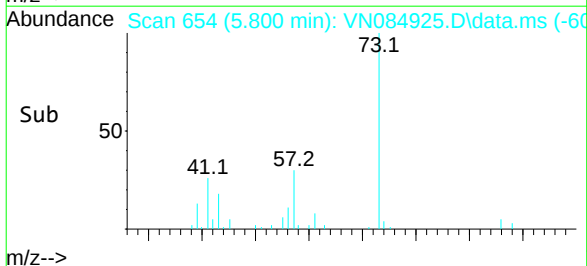
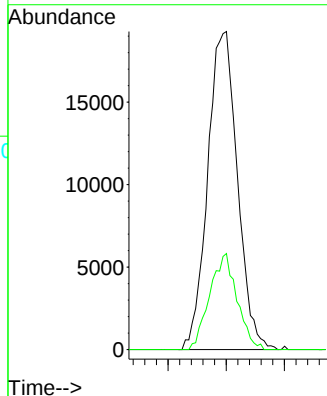
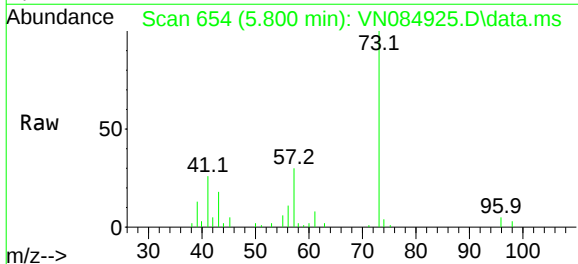
Instrument :
MSVOA_N
ClientSampleId :
WC-10-A-202411

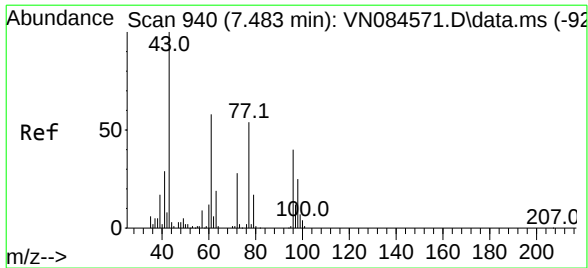
Tgt Ion: 43 Resp: 14443
Ion Ratio Lower Upper
43 100
58 28.6 24.4 36.6



#19
Methyl tert-butyl Ether
Concen: 9.249 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.006 min
Lab File: VN084925.D
Acq: 18 Nov 2024 17:16

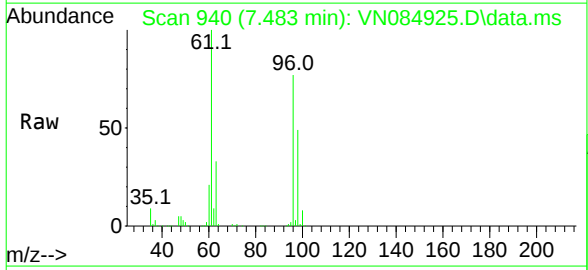
Tgt Ion: 73 Resp: 68523
Ion Ratio Lower Upper
73 100
57 30.2 17.7 26.5#





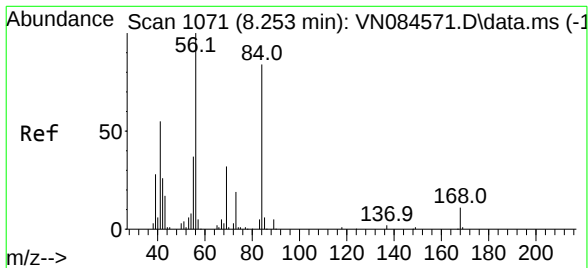
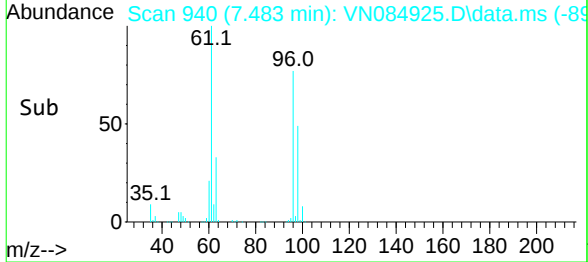
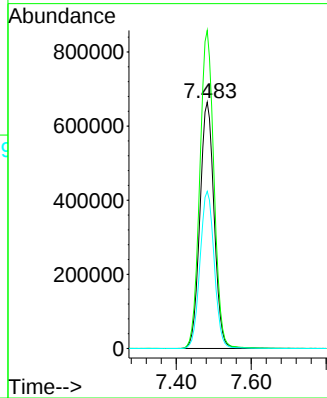
#27
 cis-1,2-Dichloroethene
 Concen: 602.627 ug/l
 RT: 7.483 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VN084925.D
 Acq: 18 Nov 2024 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-10-A-202411



Tgt Ion: 96 Resp: 1746519

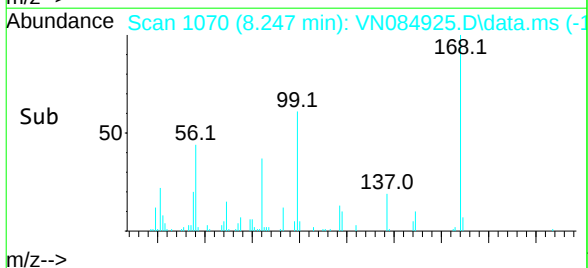
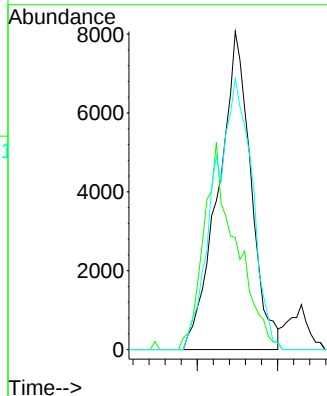
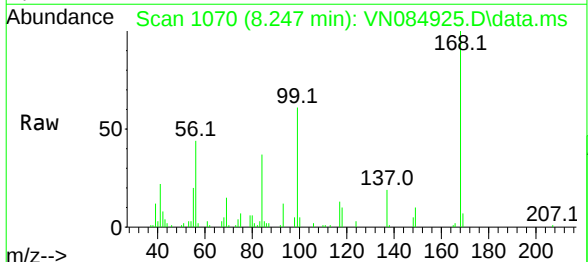
Ion	Ratio	Lower	Upper
96	100		
61	128.6	0.0	301.8
98	64.2	0.0	128.2

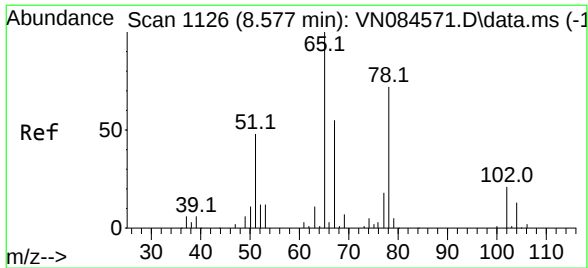


#31
 Cyclohexane
 Concen: 5.349 ug/l
 RT: 8.247 min Scan# 1070
 Delta R.T. -0.006 min
 Lab File: VN084925.D
 Acq: 18 Nov 2024 17:16

Tgt Ion: 56 Resp: 22639

Ion	Ratio	Lower	Upper
56	100		
69	35.2	23.8	35.6
84	85.1	68.8	103.2

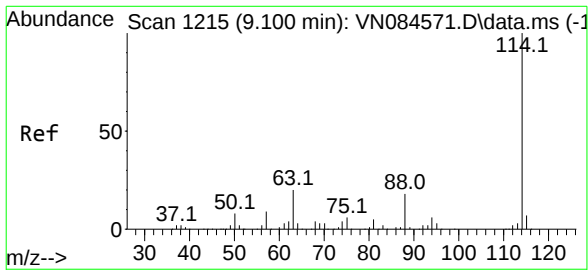
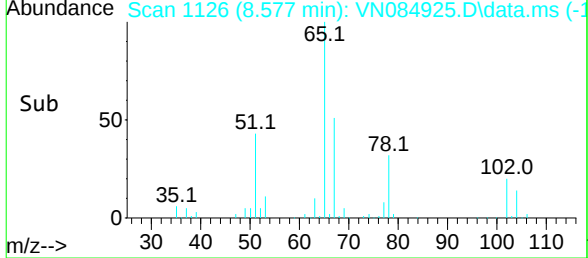
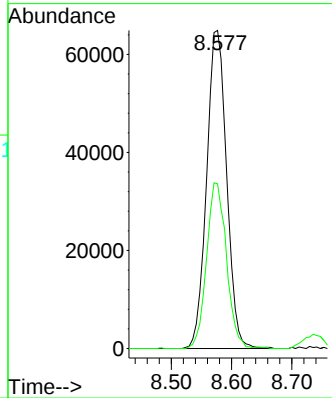
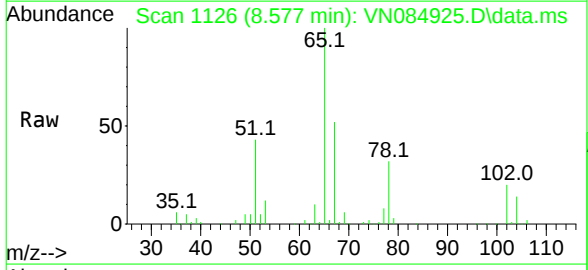




#33
 1,2-Dichloroethane-d4
 Concen: 48.821 ug/l
 RT: 8.577 min Scan# 1116
 Delta R.T. -0.000 min
 Lab File: VN084925.D
 Acq: 18 Nov 2024 17:16

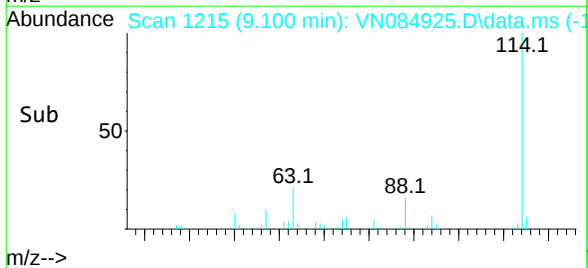
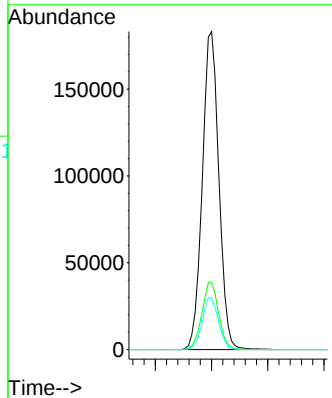
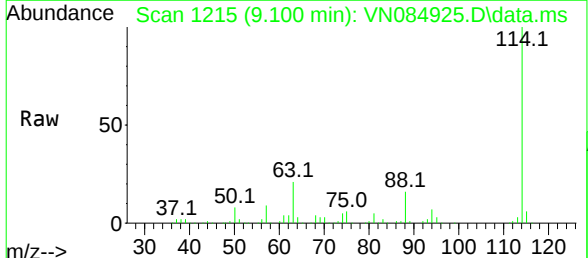
Instrument :
 MSVOA_N
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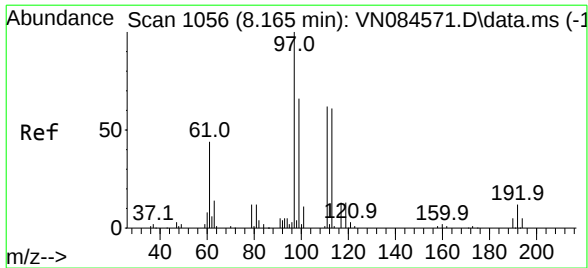
Tgt Ion:	65	Resp:	149674
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084925.D
 Acq: 18 Nov 2024 17:16

Tgt Ion:	114	Resp:	374690
Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.8
88	16.2	0.0	31.6

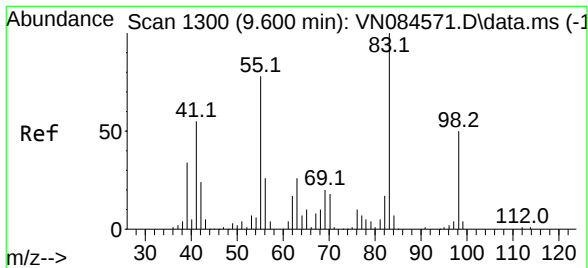
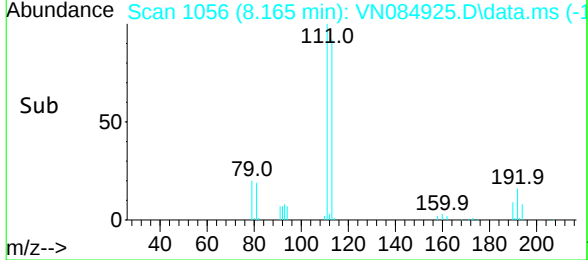
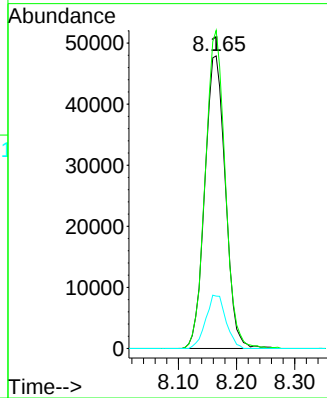
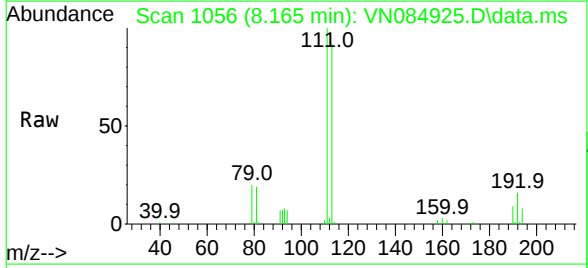




#35
Dibromofluoromethane
Concen: 46.469 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084925.D
Acq: 18 Nov 2024 17:16

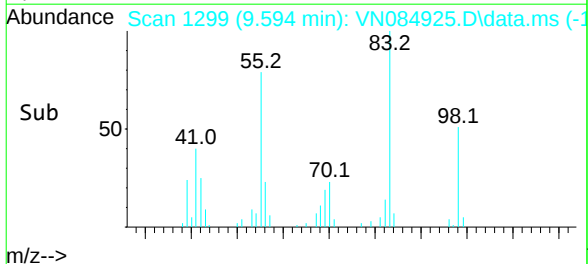
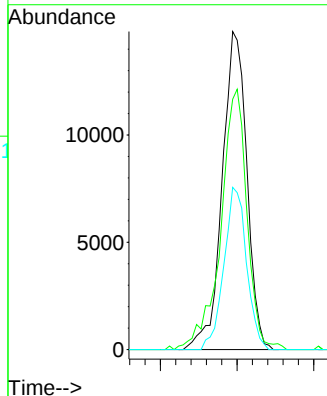
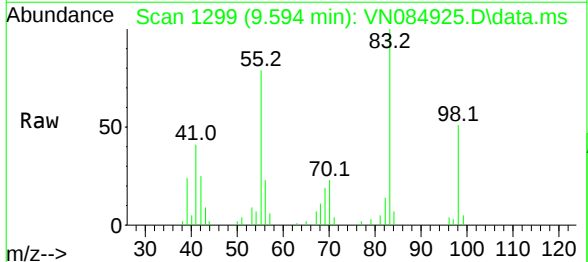
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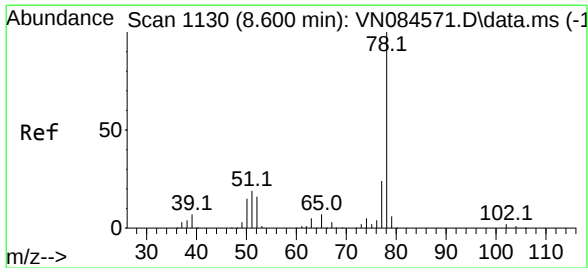
Tgt Ion:113 Resp: 117854
Ion Ratio Lower Upper
113 100
111 104.7 83.3 124.9
192 17.7 13.5 20.3



#39
Methylcyclohexane
Concen: 9.259 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN084925.D
Acq: 18 Nov 2024 17:16

Tgt Ion: 83 Resp: 33130
Ion Ratio Lower Upper
83 100
55 77.6 62.8 94.2
98 51.0 38.8 58.2





#40

Benzene

Concen: 18.759 ug/l

RT: 8.606 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084925.D

Acq: 18 Nov 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

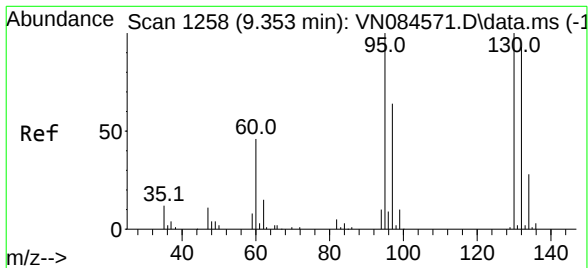
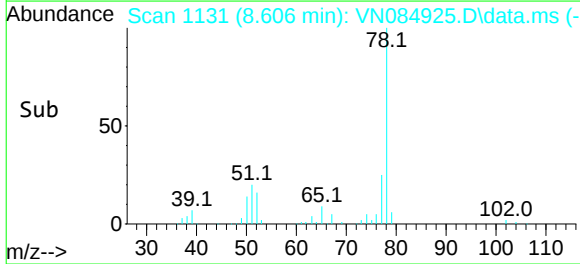
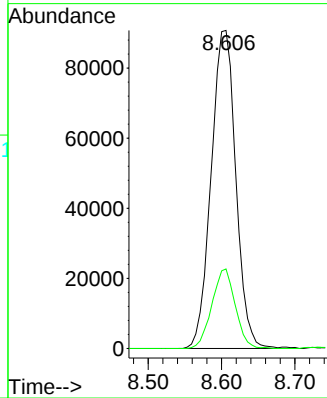
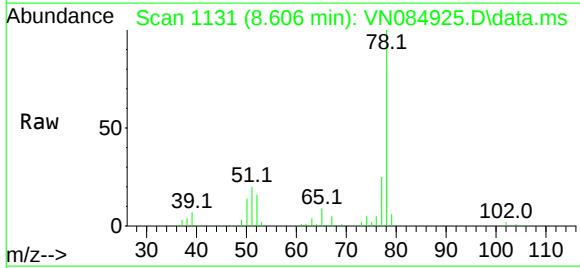
WC-10-A-202411

Tgt Ion: 78 Resp: 211902

Ion Ratio Lower Upper

78 100

77 25.0 19.1 28.7



#44

Trichloroethene

Concen: 216.202 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN084925.D

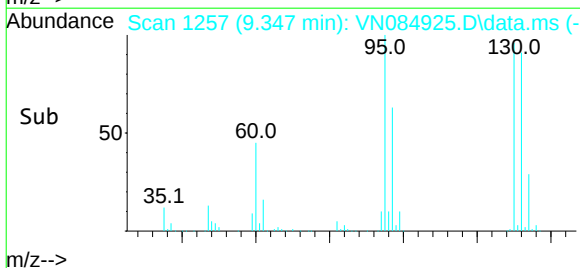
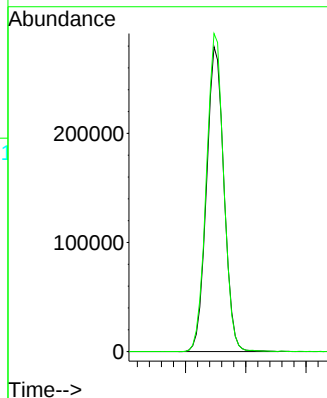
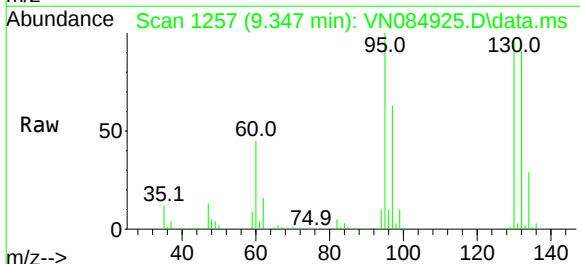
Acq: 18 Nov 2024 17:16

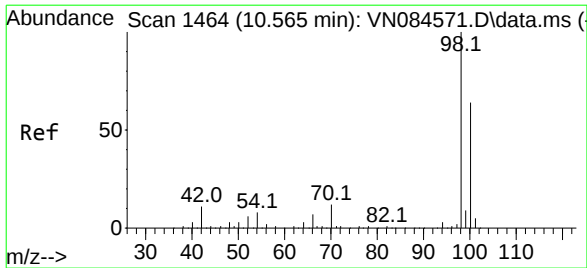
Tgt Ion:130 Resp: 563236

Ion Ratio Lower Upper

130 100

95 104.3 0.0 203.0





#50

Toluene-d8

Concen: 47.634 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084925.D

Acq: 18 Nov 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

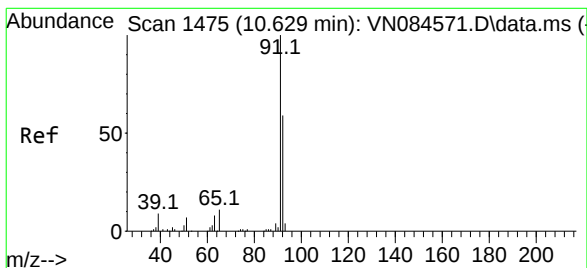
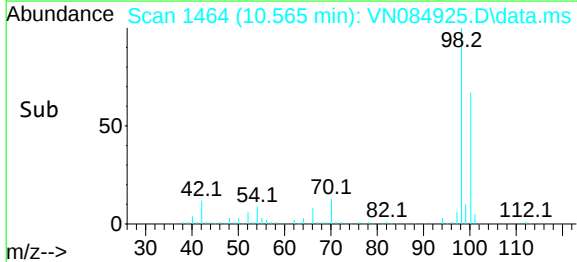
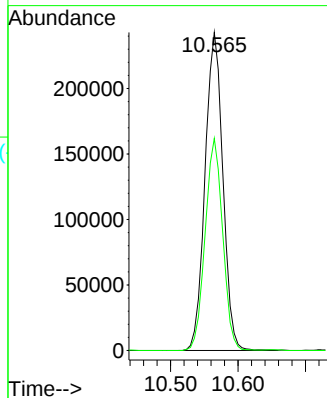
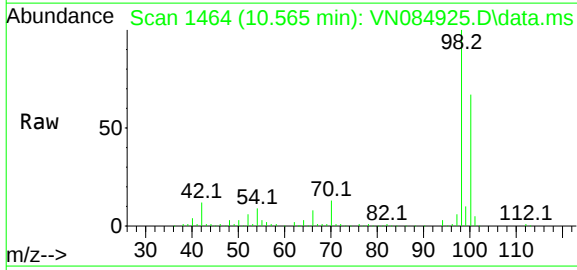
WC-10-A-202411

Tgt Ion: 98 Resp: 445027

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1



#52

Toluene

Concen: 26.984 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN084925.D

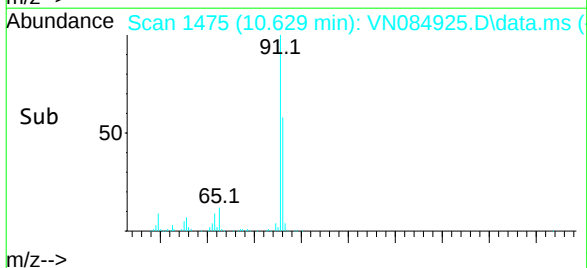
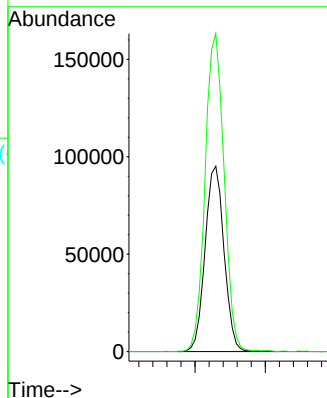
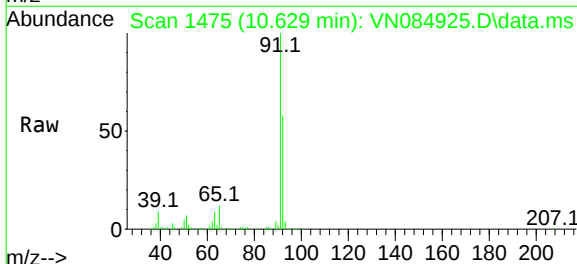
Acq: 18 Nov 2024 17:16

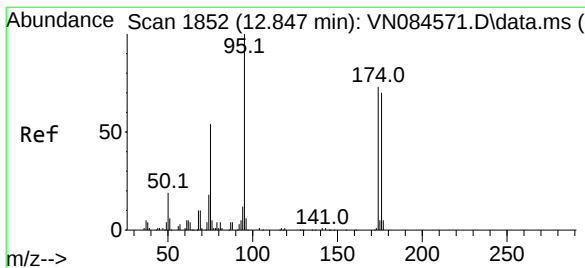
Tgt Ion: 92 Resp: 178267

Ion Ratio Lower Upper

92 100

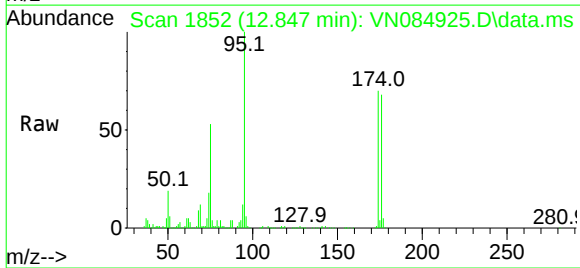
91 171.9 137.3 205.9



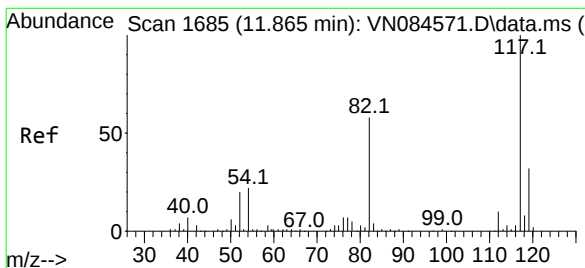
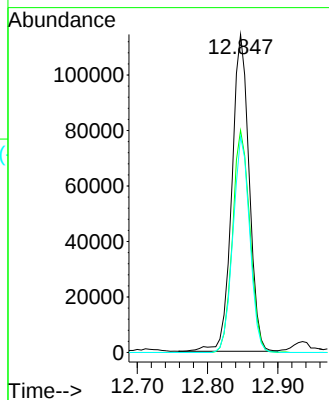
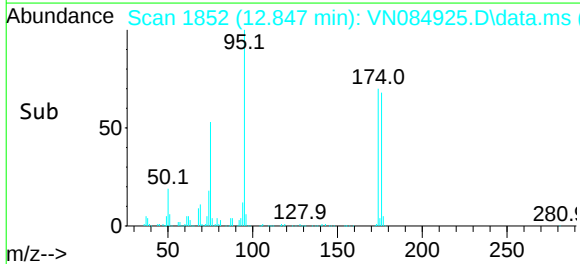


#62
4-Bromofluorobenzene
Concen: 55.872 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084925.D
Acq: 18 Nov 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :
WC-10-A-202411

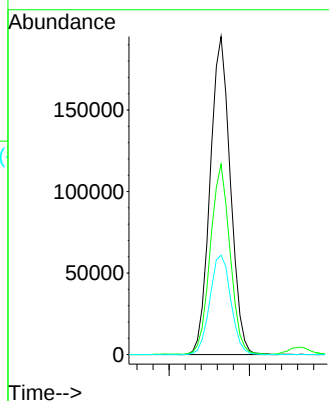
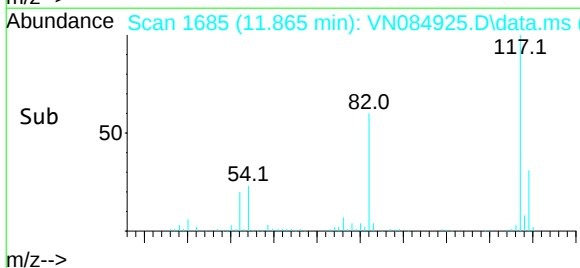
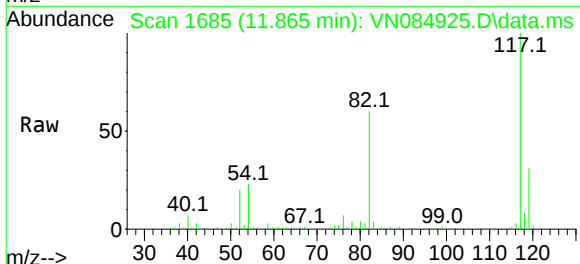


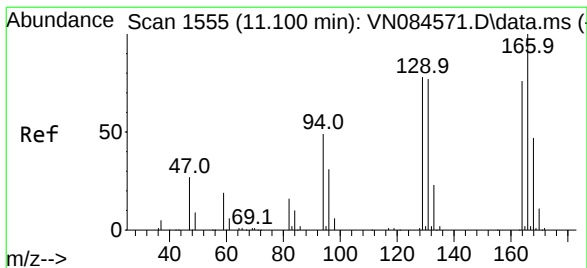
Tgt Ion: 95 Resp: 195083
Ion Ratio Lower Upper
95 100
174 70.1 0.0 145.2
176 66.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084925.D
Acq: 18 Nov 2024 17:16

Tgt Ion: 117 Resp: 341618
Ion Ratio Lower Upper
117 100
82 59.7 47.2 70.8
119 31.2 25.4 38.0





#64

Tetrachloroethene

Concen: 2467.354 ug/l

RT: 11.106 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN084925.D

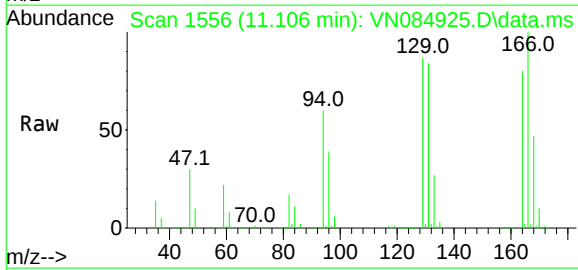
Acq: 18 Nov 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

WC-10-A-202411



Tgt Ion:164 Resp: 5606627

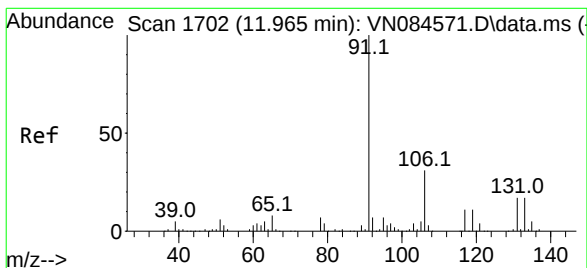
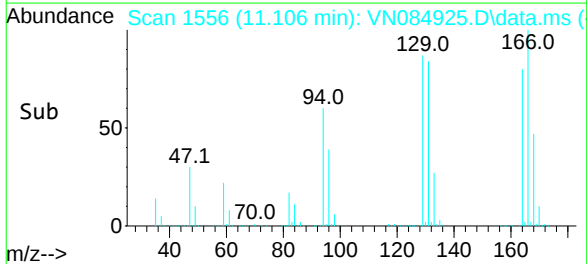
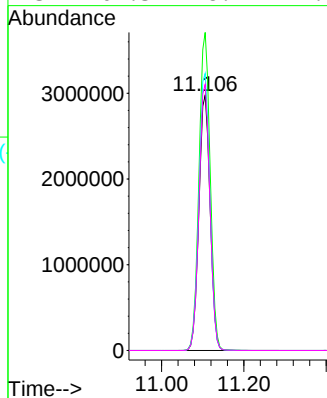
Ion Ratio Lower Upper

164 100

166 124.6 101.0 151.4

129 108.5 80.8 121.2

131 104.3 78.1 117.1



#67

Ethyl Benzene

Concen: 9.095 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VN084925.D

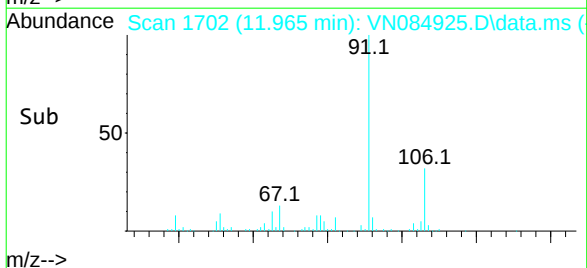
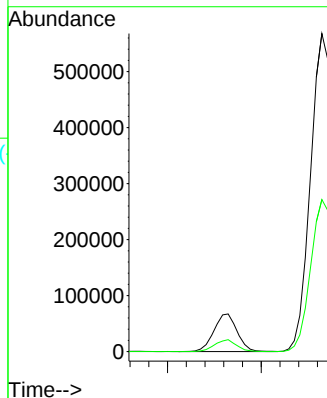
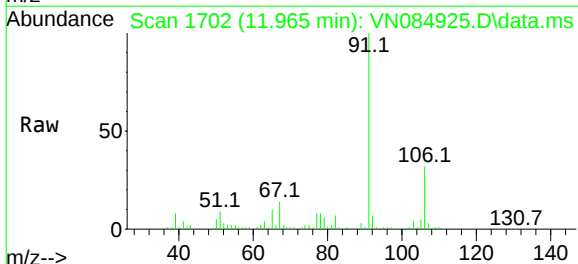
Acq: 18 Nov 2024 17:16

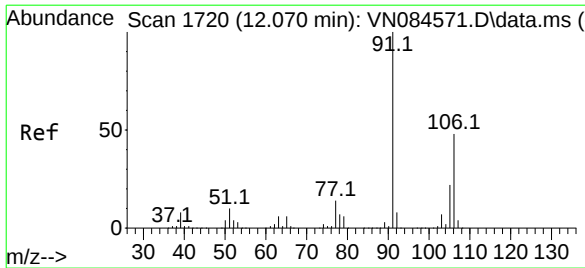
Tgt Ion: 91 Resp: 116030

Ion Ratio Lower Upper

91 100

106 31.7 24.5 36.7

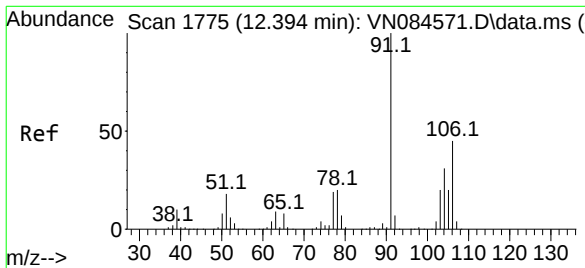
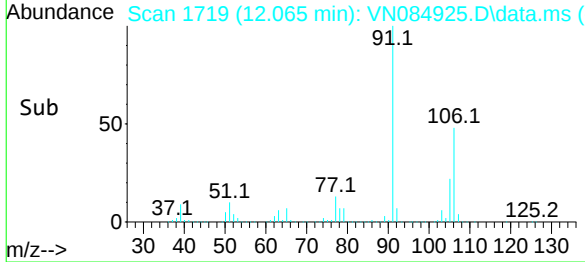
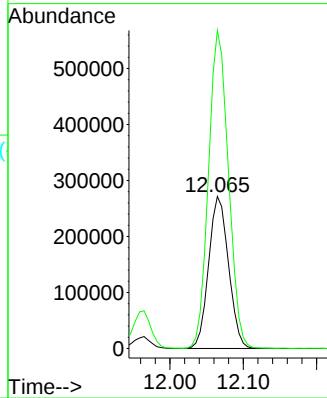
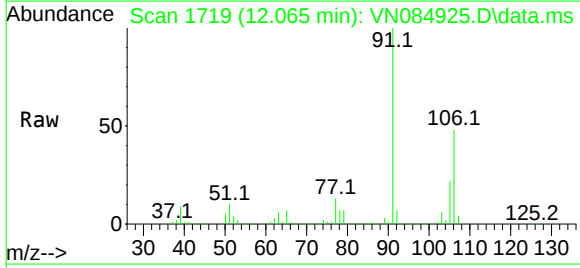




#68
m/p-Xylenes
Concen: 106.009 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084925.D
Acq: 18 Nov 2024 17:16

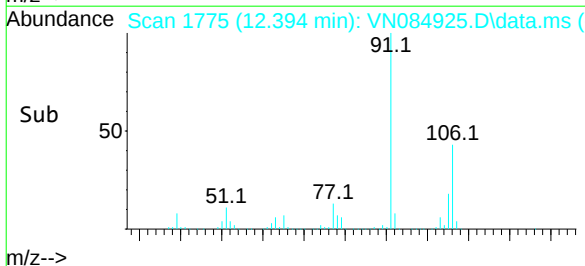
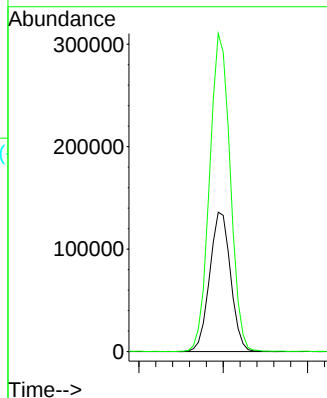
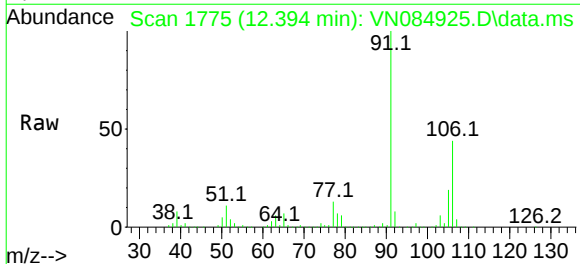
Instrument :
MSVOA_N
ClientSampleId :
WC-10-A-202411

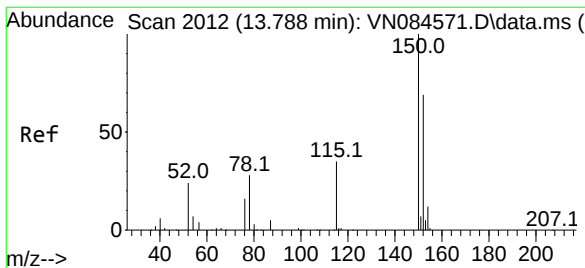
Tgt Ion:106 Resp: 511993
Ion Ratio Lower Upper
106 100
91 209.2 167.1 250.7



#69
o-Xylene
Concen: 51.882 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN084925.D
Acq: 18 Nov 2024 17:16

Tgt Ion:106 Resp: 234408
Ion Ratio Lower Upper
106 100
91 225.7 110.2 330.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084925.D

Acq: 18 Nov 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

WC-10-A-202411

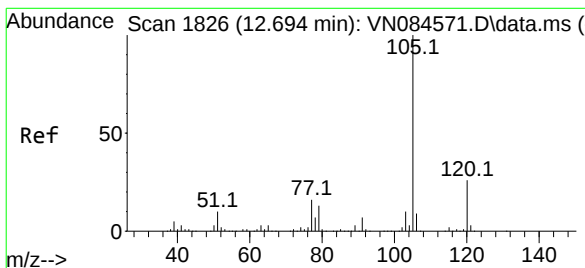
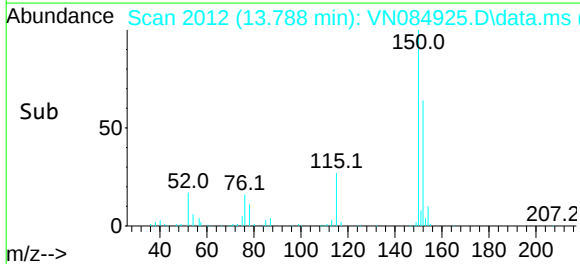
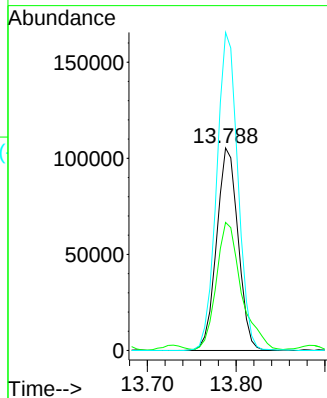
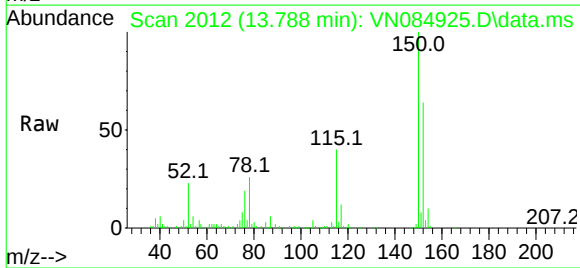
Tgt Ion:152 Resp: 177257

Ion Ratio Lower Upper

152 100

115 73.0 31.3 93.9

150 155.3 0.0 349.8



#73

Isopropylbenzene

Concen: 4.097 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN084925.D

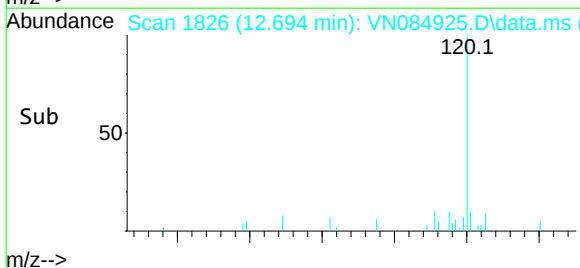
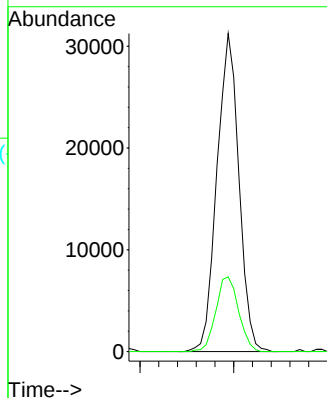
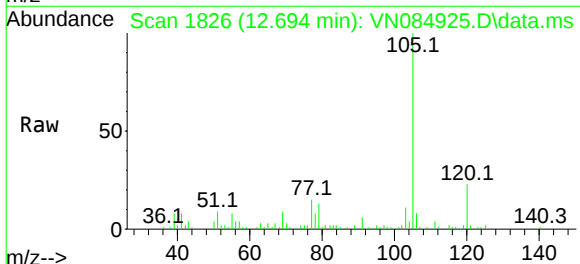
Acq: 18 Nov 2024 17:16

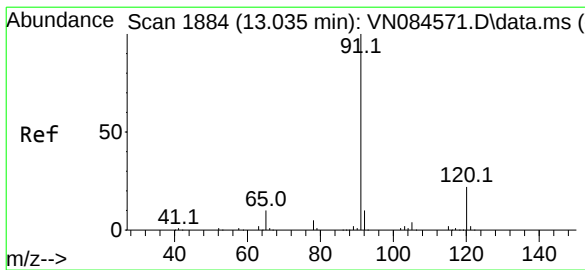
Tgt Ion:105 Resp: 50888

Ion Ratio Lower Upper

105 100

120 24.3 12.9 38.7





#78

n-propylbenzene

Concen: 7.217 ug/l

RT: 13.035 min Scan# 18

Delta R.T. 0.000 min

Lab File: VN084925.D

Acq: 18 Nov 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

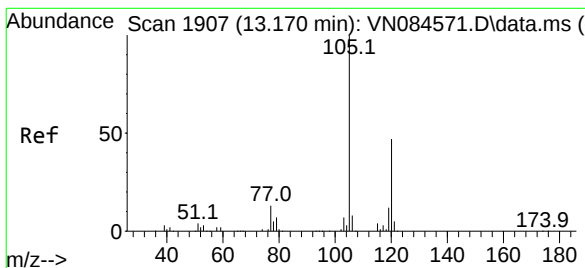
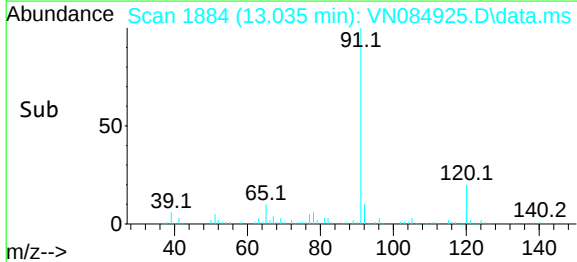
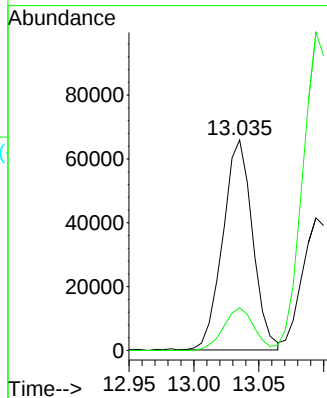
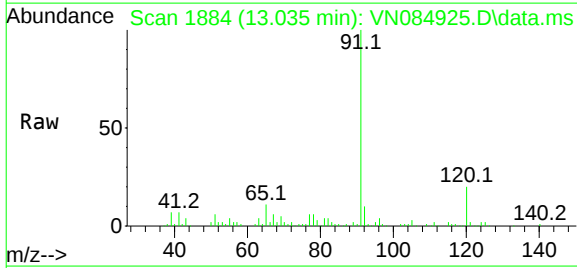
WC-10-A-202411

Tgt Ion: 91 Resp: 105055

Ion Ratio Lower Upper

91 100

120 20.7 10.8 32.4



#80

1,3,5-Trimethylbenzene

Concen: 35.922 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN084925.D

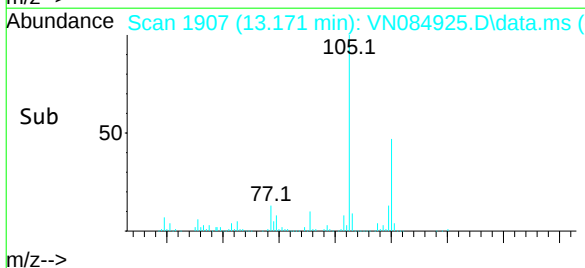
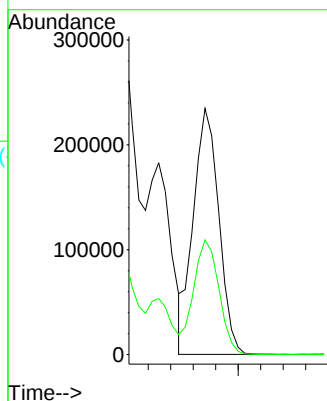
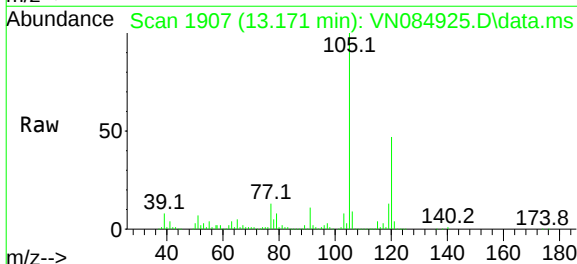
Acq: 18 Nov 2024 17:16

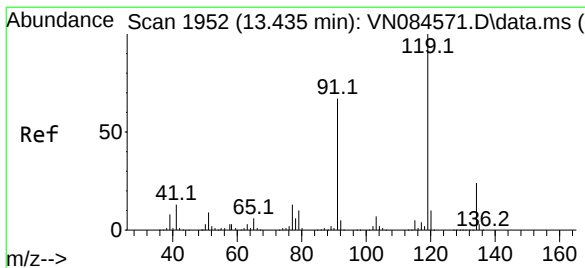
Tgt Ion:105 Resp: 369828

Ion Ratio Lower Upper

105 100

120 46.7 23.7 71.1





#83

tert-Butylbenzene

Concen: 2.100 ug/l

RT: 13.435 min Scan# 19

Delta R.T. 0.000 min

Lab File: VN084925.D

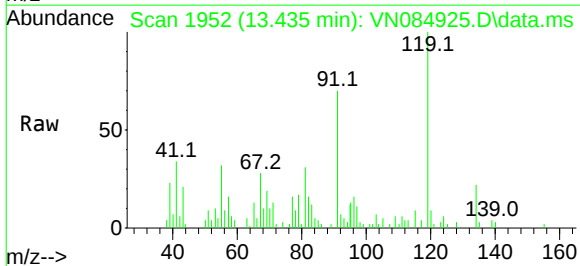
Acq: 18 Nov 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

WC-10-A-202411



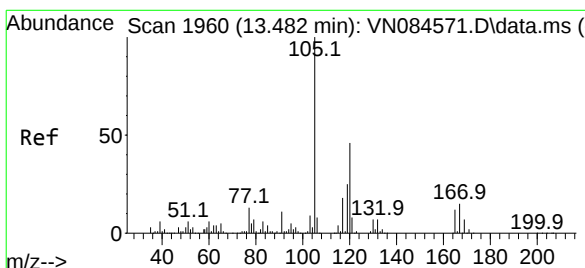
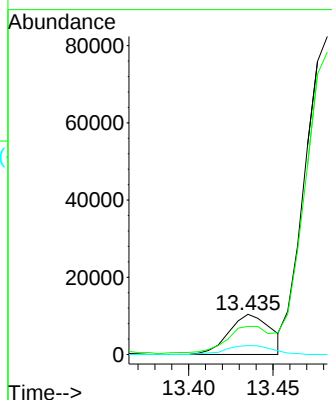
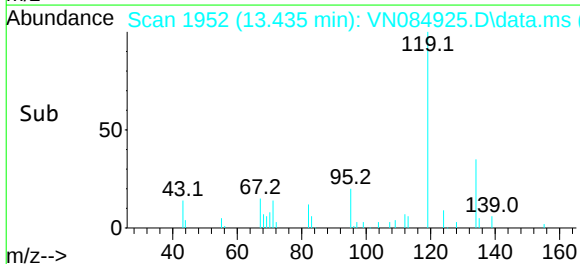
Tgt Ion:119 Resp: 17890

Ion Ratio Lower Upper

119 100

91 67.4 34.1 102.3

134 24.8 12.8 38.4



#84

1,2,4-Trimethylbenzene

Concen: 105.195 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN084925.D

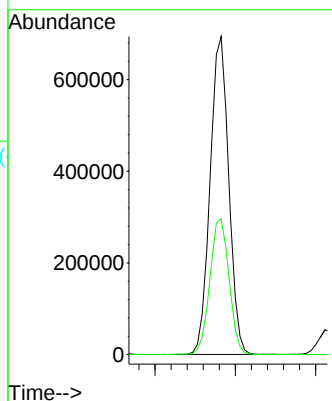
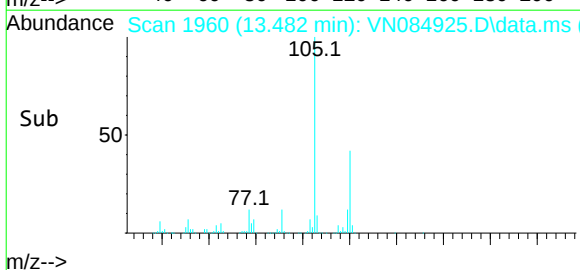
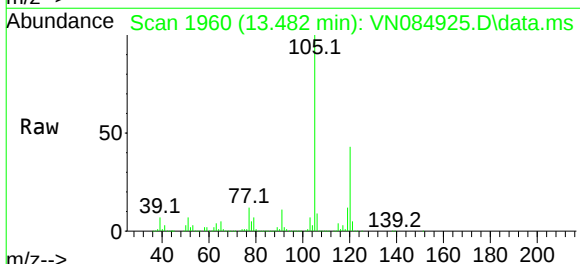
Acq: 18 Nov 2024 17:16

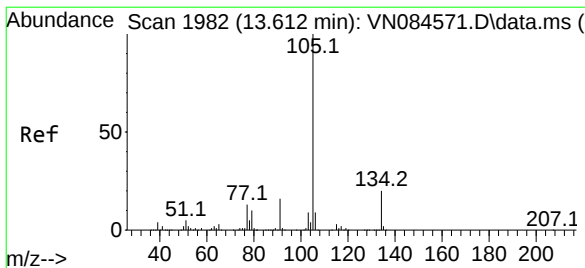
Tgt Ion:105 Resp: 1117778

Ion Ratio Lower Upper

105 100

120 44.0 22.3 66.8





#85

sec-Butylbenzene

Concen: 7.000 ug/l

RT: 13.612 min Scan# 19

Delta R.T. -0.006 min

Lab File: VN084925.D

Acq: 18 Nov 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

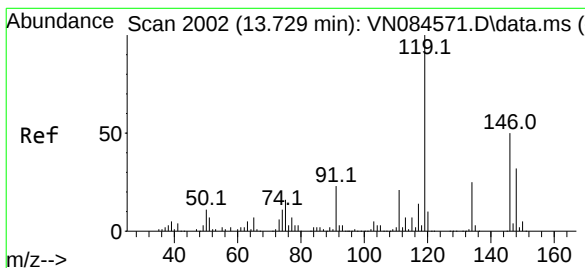
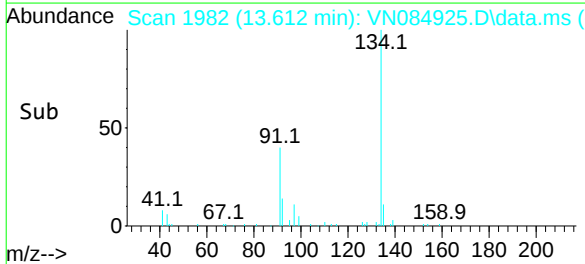
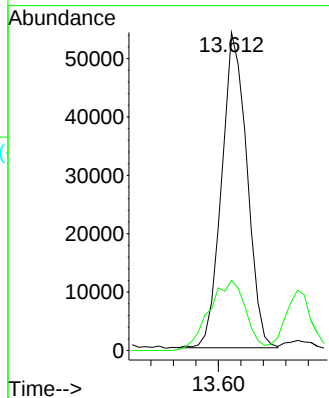
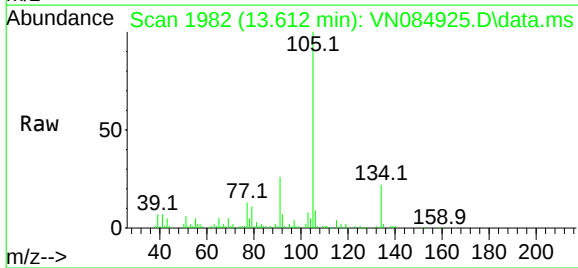
WC-10-A-202411

Tgt Ion:105 Resp: 84257

Ion Ratio Lower Upper

105 100

134 32.0 9.8 29.4#



#86

p-Isopropyltoluene

Concen: 5.402 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN084925.D

Acq: 18 Nov 2024 17:16

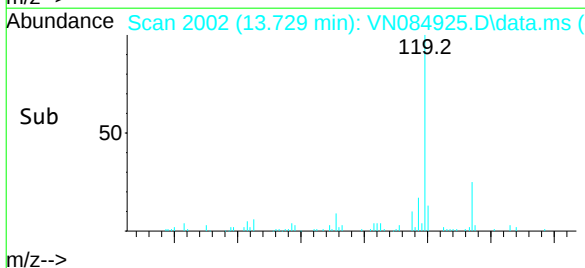
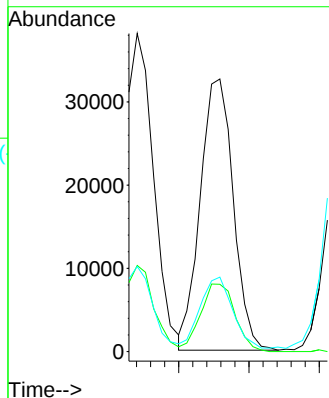
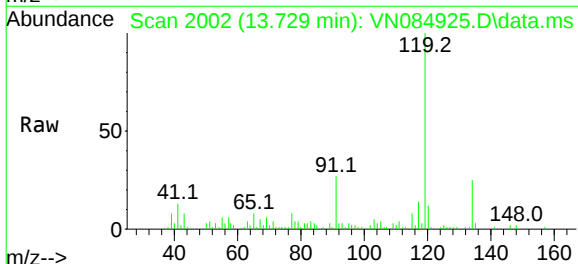
Tgt Ion:119 Resp: 53322

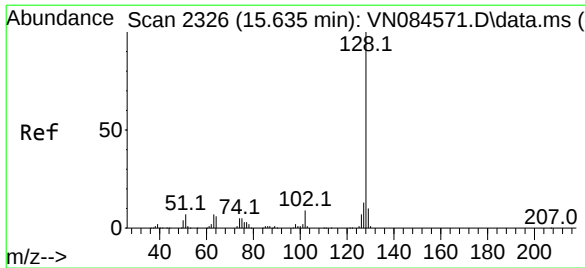
Ion Ratio Lower Upper

119 100

134 26.0 12.6 37.8

91 25.4 12.4 37.2





#95
Naphthalene
Concen: 45.877 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084925.D
Acq: 18 Nov 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :
WC-10-A-202411

Tgt Ion:128 Resp: 470689
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.5 8.7 13.1

