

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
 Data File : VY019764.D
 Acq On : 02 Oct 2024 15:00
 Operator : SY/MD
 Sample : P4232-03
 Misc : 6.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-R-VOC

Quant Time: Oct 03 02:02:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

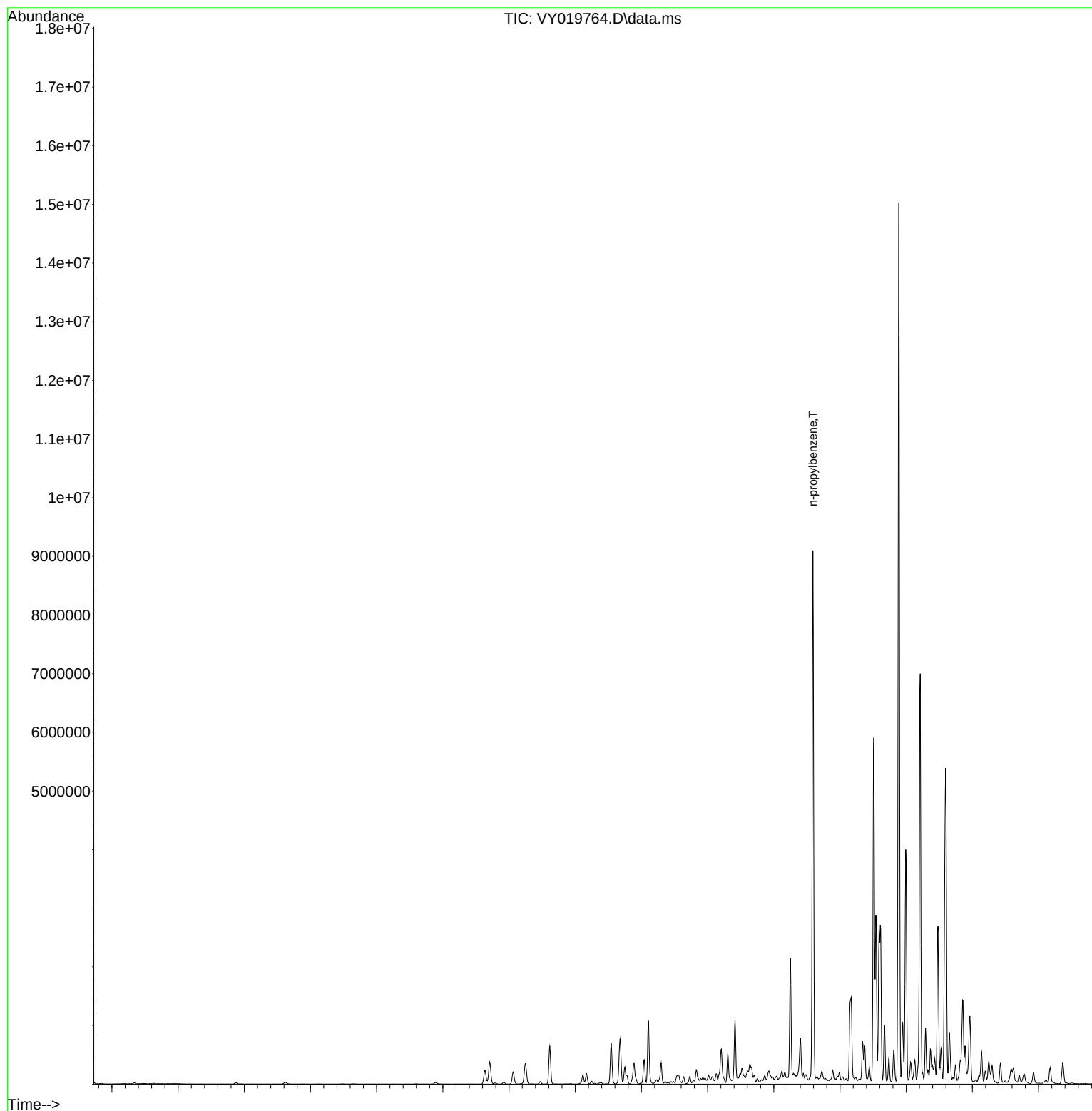
Internal Standards						
1) Pentafluorobenzene	7.713	168	269901	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	525972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	467784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	169060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164506	65.823	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 131.640%		
35) Dibromofluoromethane	7.634	113	167398	56.133	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 112.260%		
50) Toluene-d8	10.103	98	633587	57.440	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 114.880%		
62) 4-Bromofluorobenzene	12.402	95	210569	49.648	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	= 99.300%		
Target Compounds						
						Qvalue
16) Acetone	3.873	43	40277	67.647	ug/l	92
20) Methylene Chloride	4.616	84	22309	8.216	ug/l	91
67) Ethyl Benzene	11.518	91	73407	4.490	ug/l	97
68) m/p-Xylenes	11.621	106	26481	4.283	ug/l	91
73) Isopropylbenzene	12.249	105	1261048	102.819	ug/l	99
78) n-propylbenzene	12.591	91	6519181	448.451	ug/l	100
83) tert-Butylbenzene	12.993	119	59121	6.550	ug/l	94
84) 1,2,4-Trimethylbenzene	13.036	105	35641	3.611	ug/l	95
85) sec-Butylbenzene	13.170	105	823778	62.822	ug/l #	60
89) n-Butylbenzene	13.615	91	1576411	153.700	ug/l #	77
95) Naphthalene	15.139	128	397630	69.215	ug/l	100

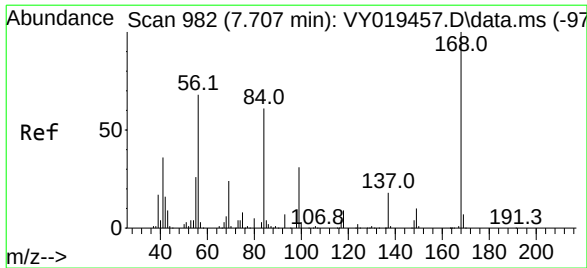
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

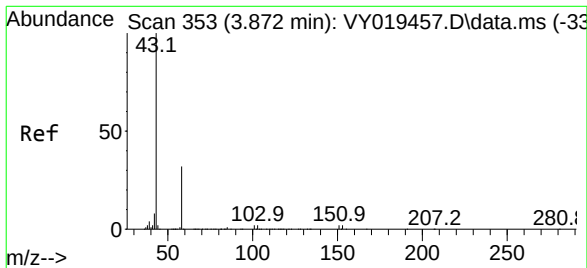
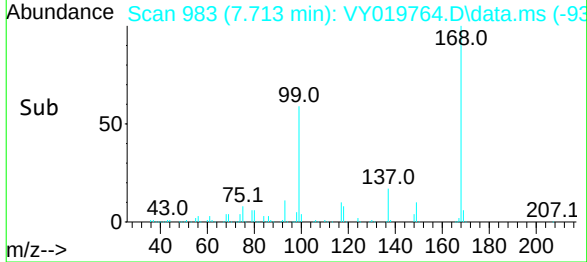
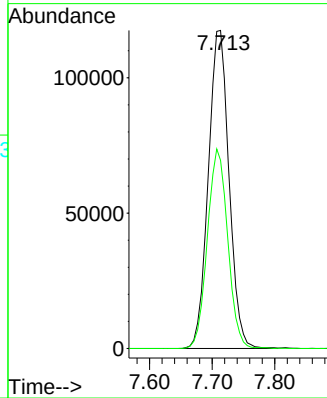
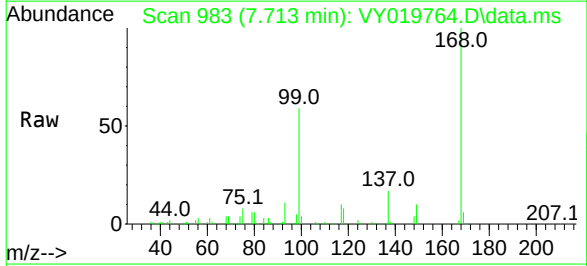




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY019764.D
Acq: 02 Oct 2024 15:00

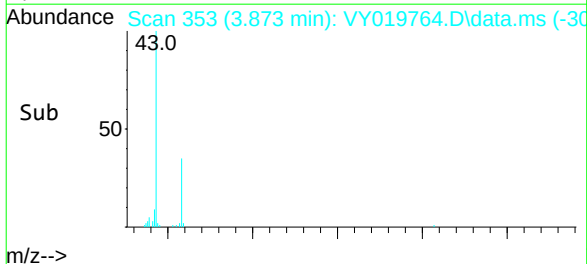
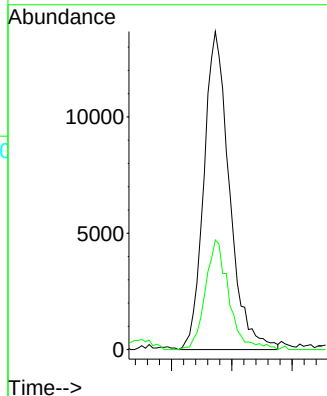
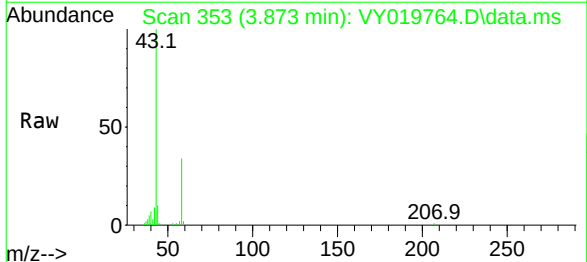
Instrument :
MSVOA_Y
ClientSampleId :
TP-R-VOC

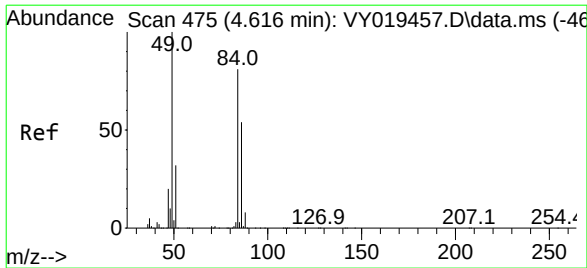
Tgt Ion:168 Resp: 269901
Ion Ratio Lower Upper
168 100
99 59.2 39.1 58.7#



#16
Acetone
Concen: 67.647 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019764.D
Acq: 02 Oct 2024 15:00

Tgt Ion: 43 Resp: 40277
Ion Ratio Lower Upper
43 100
58 34.5 31.7 47.5

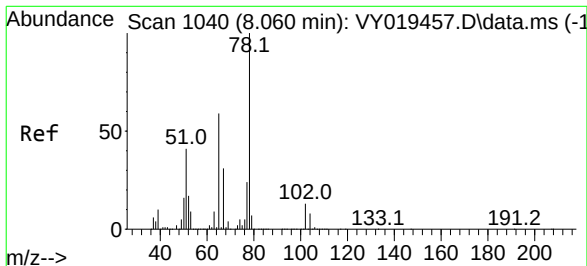
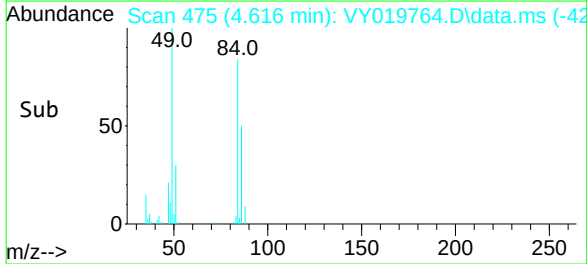
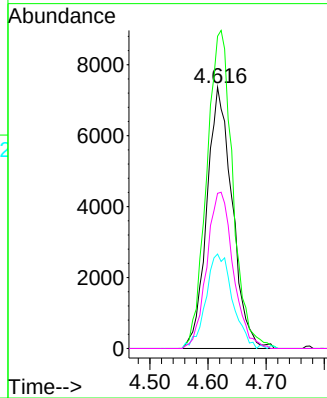
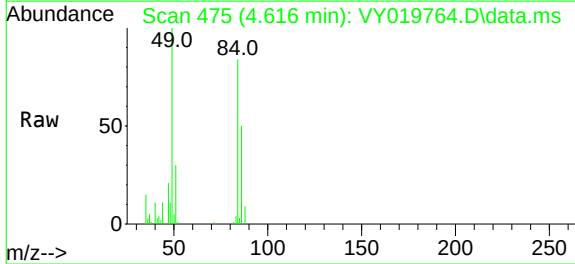




#20
Methylene Chloride
Concen: 8.216 ug/l
RT: 4.616 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY019764.D
Acq: 02 Oct 2024 15:00

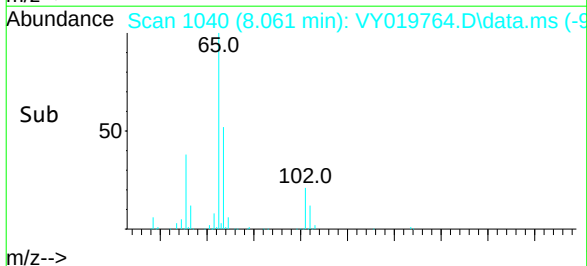
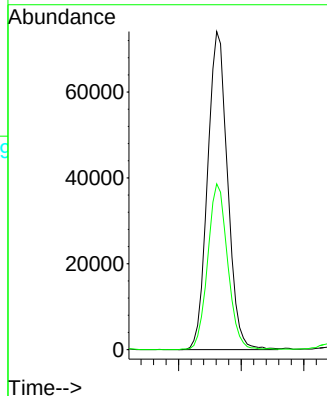
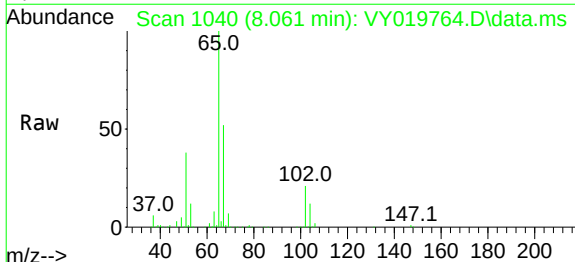
Instrument :
MSVOA_Y
ClientSampleId :
TP-R-VOC

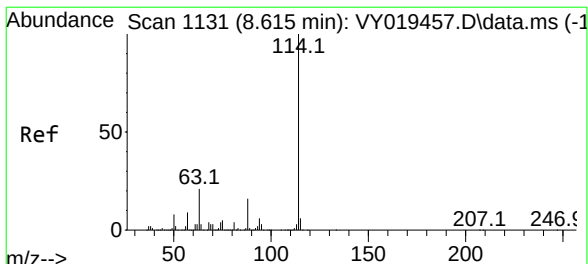
Tgt Ion:	84	Resp:	22309
Ion	Ratio	Lower	Upper
84	100		
49	119.5	84.4	126.6
51	36.2	26.0	39.0
86	59.4	49.5	74.3



#33
1,2-Dichloroethane-d4
Concen: 65.823 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019764.D
Acq: 02 Oct 2024 15:00

Tgt Ion:	65	Resp:	164506
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	109.6

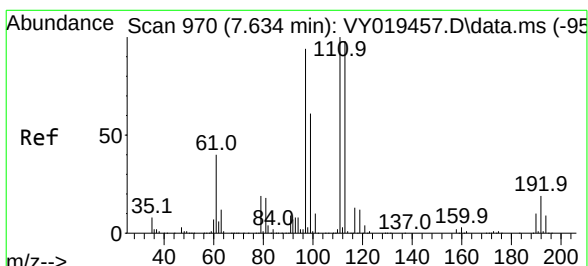
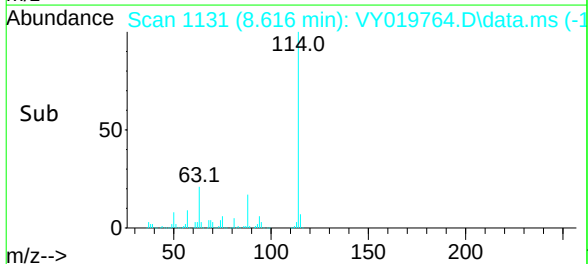
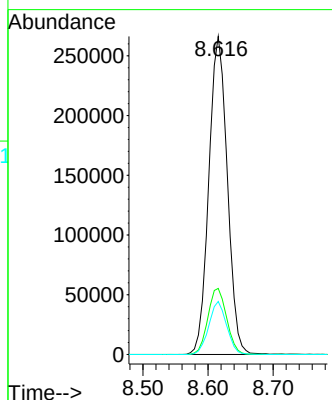
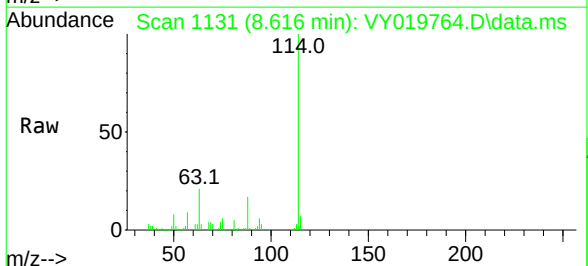




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY019764.D
 Acq: 02 Oct 2024 15:00

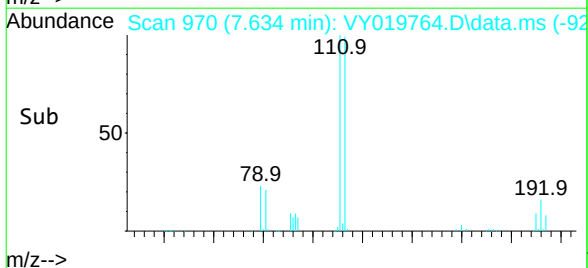
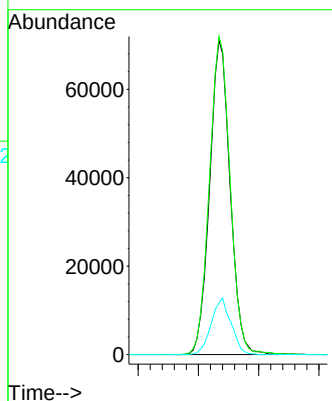
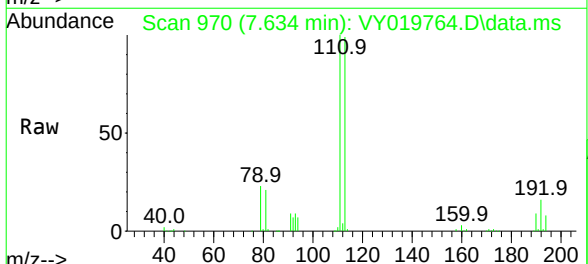
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-R-VOC

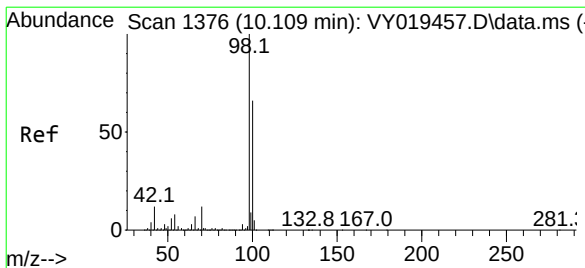
Tgt Ion:	114	Resp:	525972
Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	35.0
88	16.7	0.0	27.2



#35
 Dibromofluoromethane
 Concen: 56.133 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VY019764.D
 Acq: 02 Oct 2024 15:00

Tgt Ion:	113	Resp:	167398
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	17.5	15.9	23.9





#50

Toluene-d8

Concen: 57.440 ug/l

RT: 10.103 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY019764.D

Acq: 02 Oct 2024 15:00

Instrument :

MSVOA_Y

ClientSampleId :

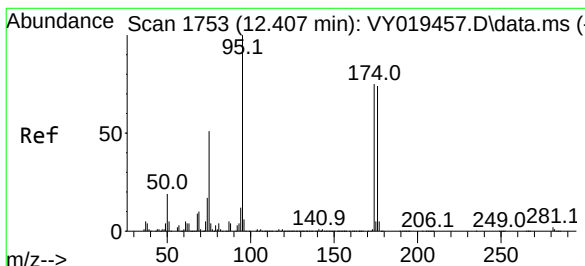
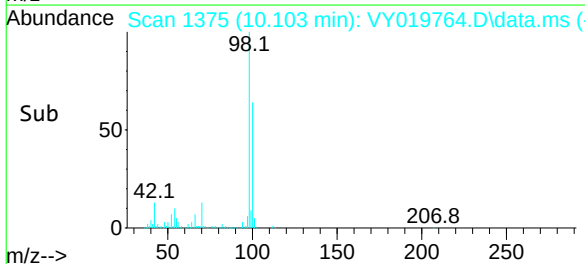
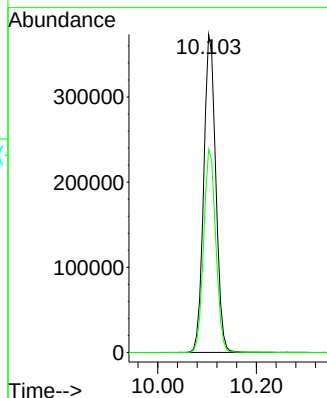
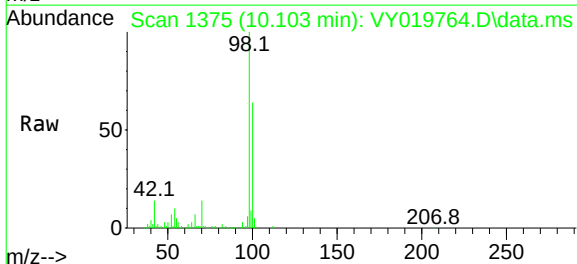
TP-R-VOC

Tgt Ion: 98 Resp: 633587

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 49.648 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019764.D

Acq: 02 Oct 2024 15:00

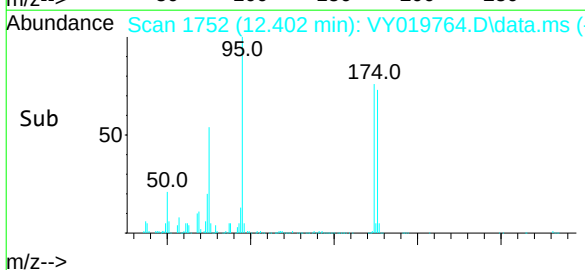
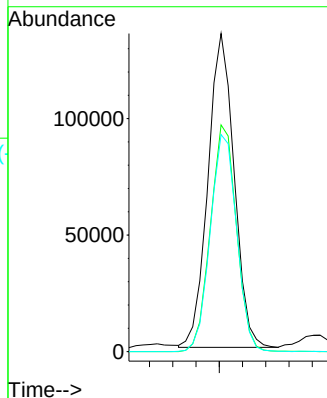
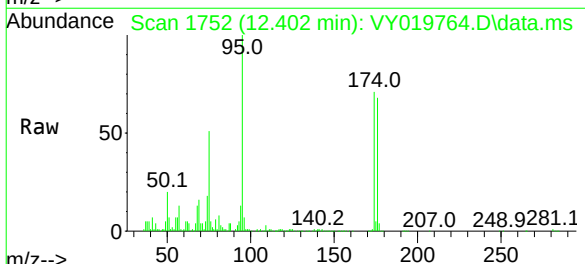
Tgt Ion: 95 Resp: 210569

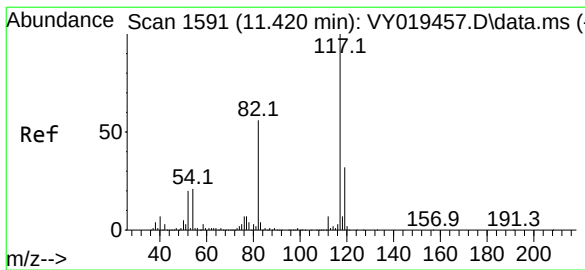
Ion Ratio Lower Upper

95 100

174 71.9 0.0 175.6

176 69.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 15

Delta R.T. -0.006 min

Lab File: VY019764.D

Acq: 02 Oct 2024 15:00

Instrument :

MSVOA_Y

ClientSampleId :

TP-R-VOC

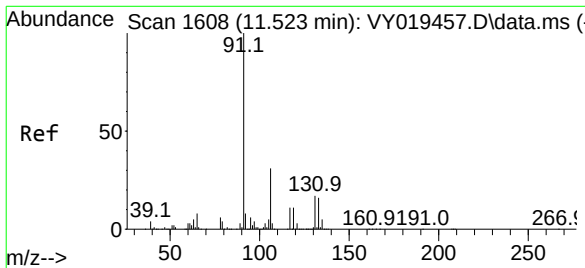
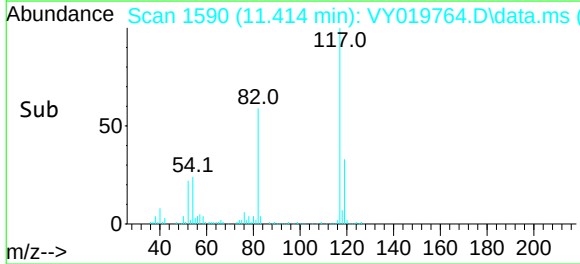
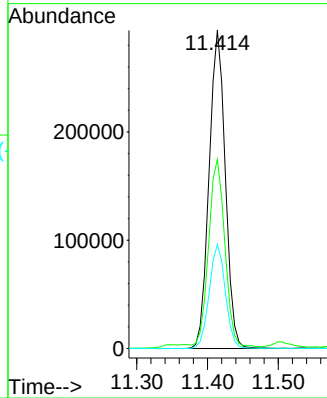
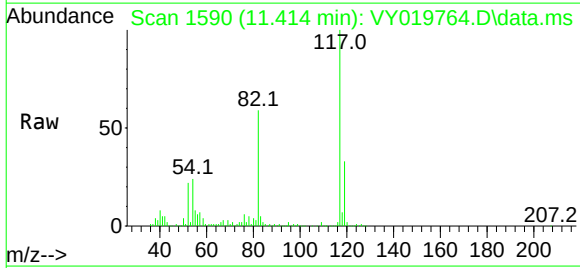
Tgt Ion:117 Resp: 467784

Ion Ratio Lower Upper

117 100

82 58.4 42.4 63.6

119 32.7 25.9 38.9



#67

Ethyl Benzene

Concen: 4.490 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019764.D

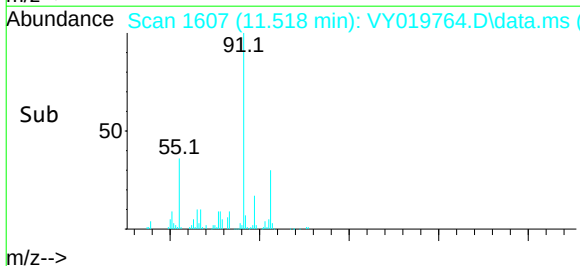
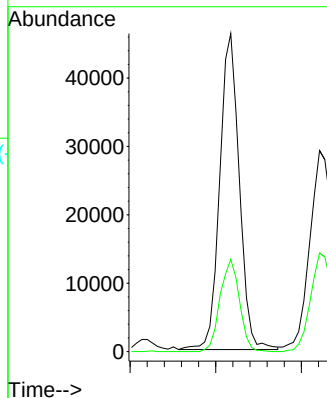
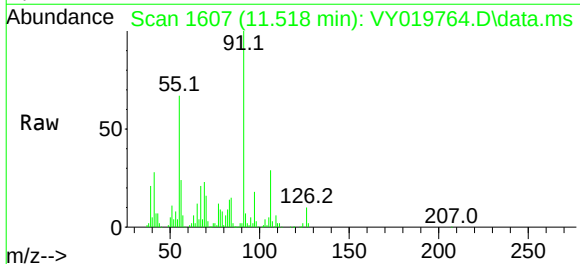
Acq: 02 Oct 2024 15:00

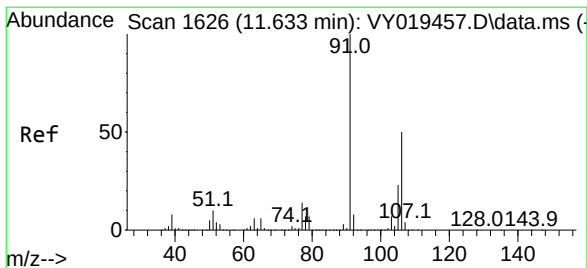
Tgt Ion: 91 Resp: 73407

Ion Ratio Lower Upper

91 100

106 29.2 24.5 36.7





#68

m/p-Xylenes

Concen: 4.283 ug/l

RT: 11.621 min Scan# 16

Delta R.T. -0.012 min

Lab File: VY019764.D

Acq: 02 Oct 2024 15:00

Instrument :

MSVOA_Y

ClientSampleId :

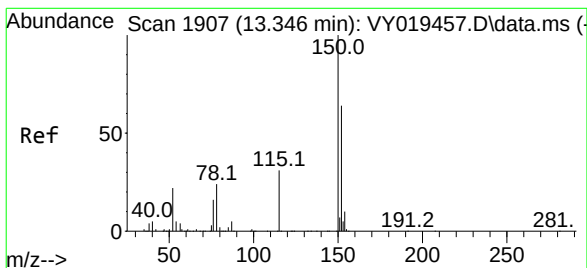
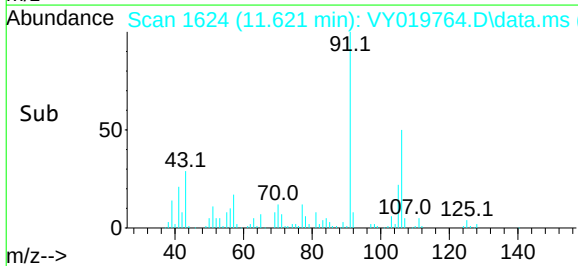
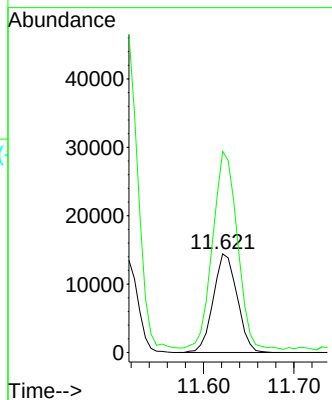
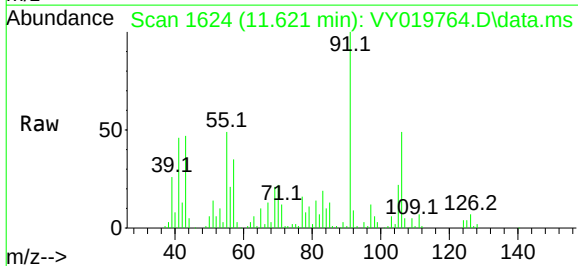
TP-R-VOC

Tgt Ion:106 Resp: 26481

Ion Ratio Lower Upper

106 100

91 208.6 156.0 234.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY019764.D

Acq: 02 Oct 2024 15:00

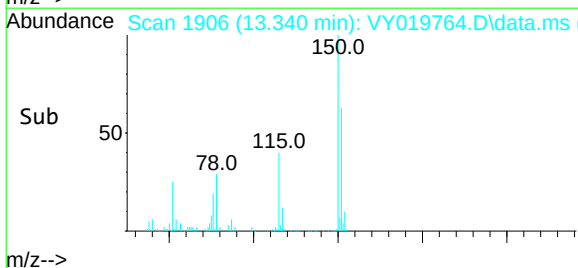
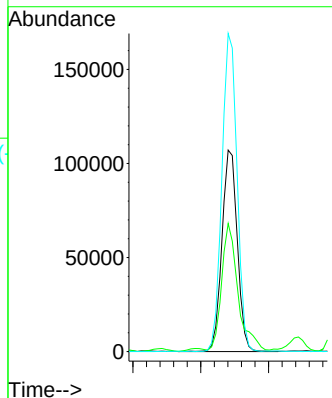
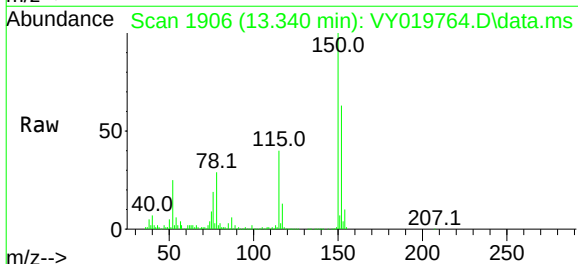
Tgt Ion:152 Resp: 169060

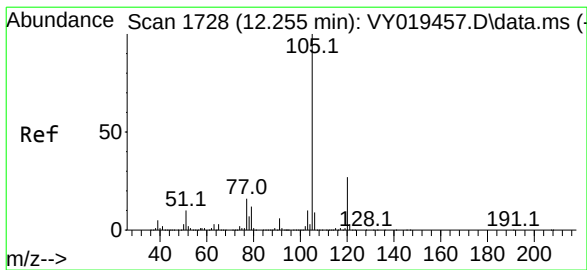
Ion Ratio Lower Upper

152 100

115 65.8 28.2 84.7

150 155.0 0.0 345.6





#73

Isopropylbenzene

Concen: 102.819 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. -0.006 min

Lab File: VY019764.D

Acq: 02 Oct 2024 15:00

Instrument :

MSVOA_Y

ClientSampleId :

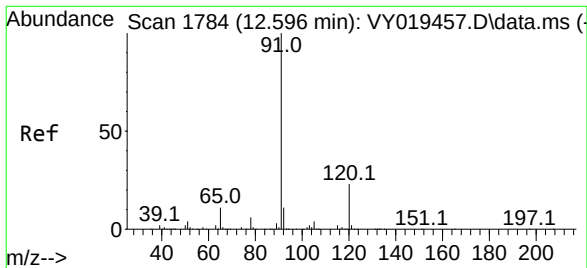
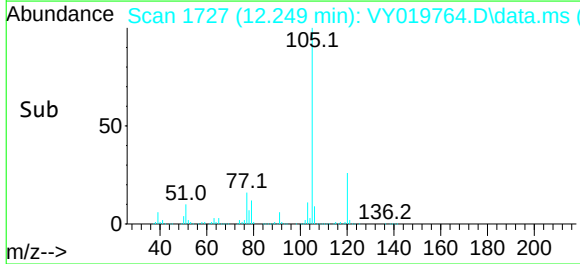
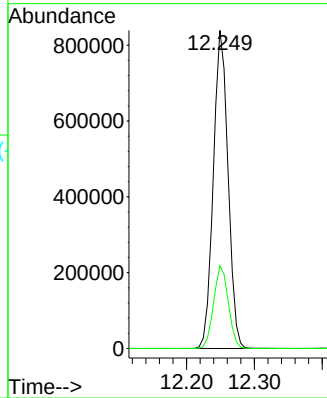
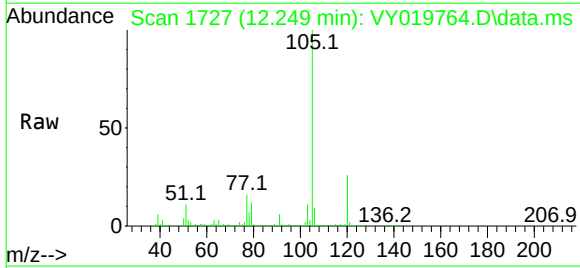
TP-R-VOC

Tgt Ion:105 Resp: 1261048

Ion Ratio Lower Upper

105 100

120 26.0 13.4 40.1



#78

n-propylbenzene

Concen: 448.451 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY019764.D

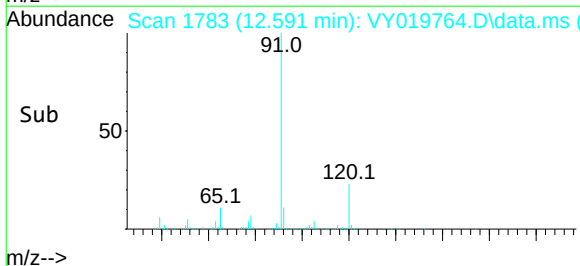
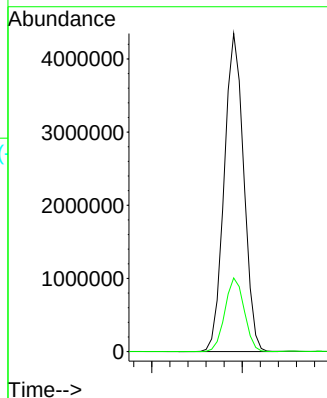
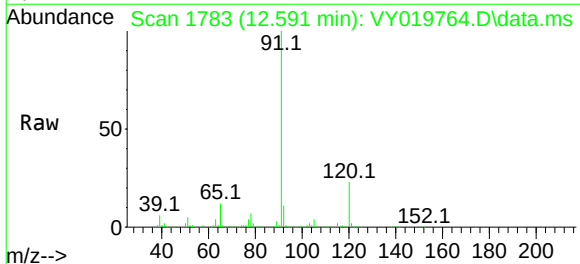
Acq: 02 Oct 2024 15:00

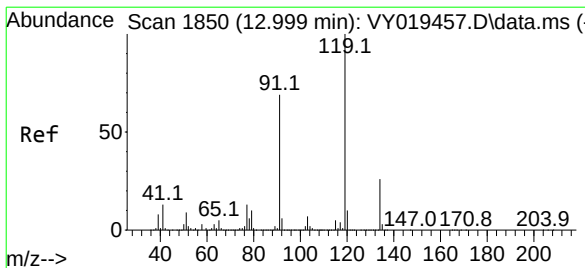
Tgt Ion: 91 Resp: 6519181

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4





#83

tert-Butylbenzene

Concen: 6.550 ug/l

RT: 12.993 min Scan# 18

Delta R.T. -0.006 min

Lab File: VY019764.D

Acq: 02 Oct 2024 15:00

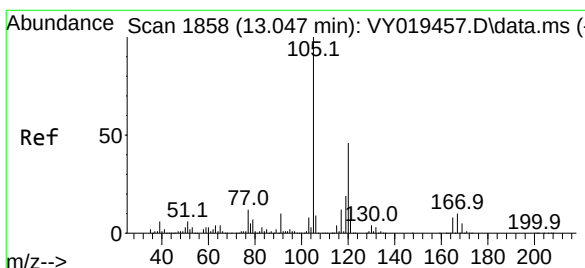
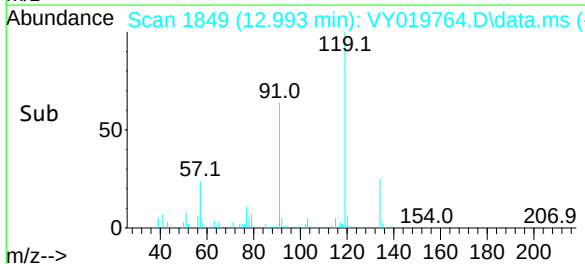
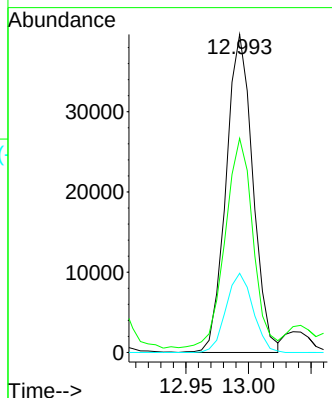
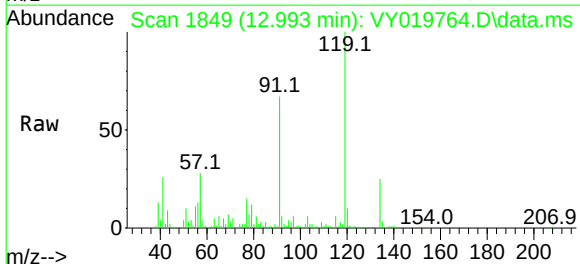
Instrument :

MSVOA_Y

ClientSampleId :

TP-R-VOC

Tgt Ion:	119	Resp:	59121
Ion	Ratio	Lower	Upper
119	100		
91	67.7	31.3	93.8
134	25.1	13.4	40.1



#84

1,2,4-Trimethylbenzene

Concen: 3.611 ug/l

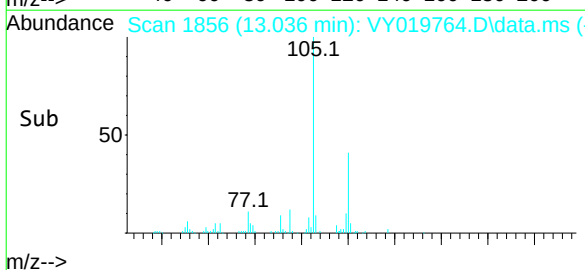
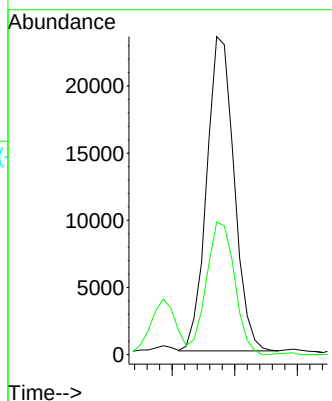
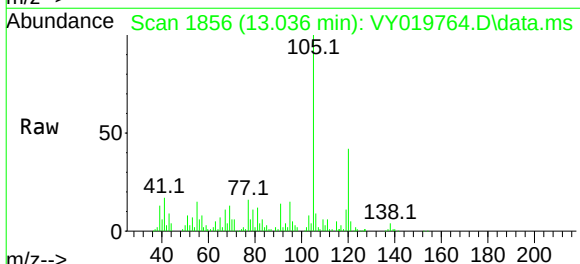
RT: 13.036 min Scan# 1856

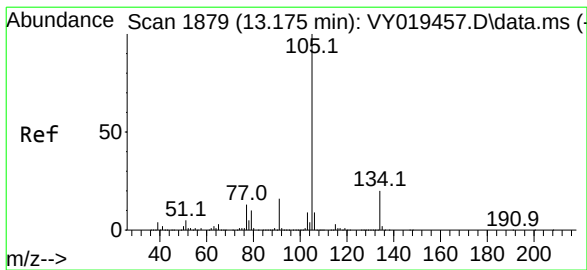
Delta R.T. -0.012 min

Lab File: VY019764.D

Acq: 02 Oct 2024 15:00

Tgt Ion:	105	Resp:	35641
Ion	Ratio	Lower	Upper
105	100		
120	43.3	23.2	69.6





#85

sec-Butylbenzene

Concen: 62.822 ug/l

RT: 13.170 min Scan# 1879

Delta R.T. -0.006 min

Lab File: VY019764.D

Acq: 02 Oct 2024 15:00

Instrument :

MSVOA_Y

ClientSampleId :

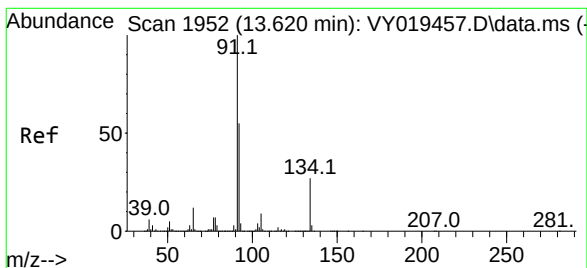
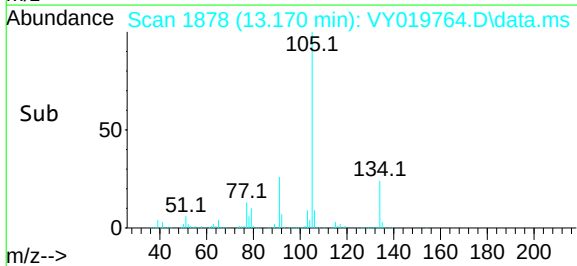
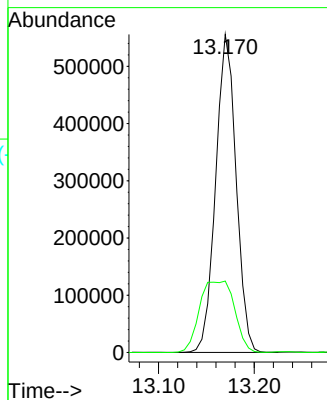
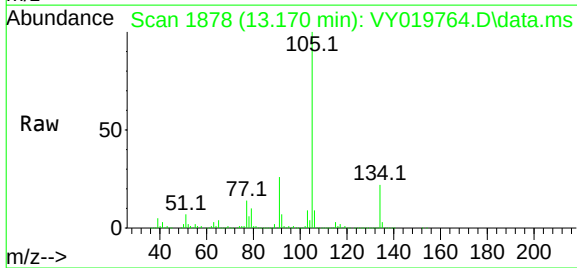
TP-R-VOC

Tgt Ion:105 Resp: 823778

Ion Ratio Lower Upper

105 100

134 38.3 10.1 30.1#



#89

n-Butylbenzene

Concen: 153.700 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY019764.D

Acq: 02 Oct 2024 15:00

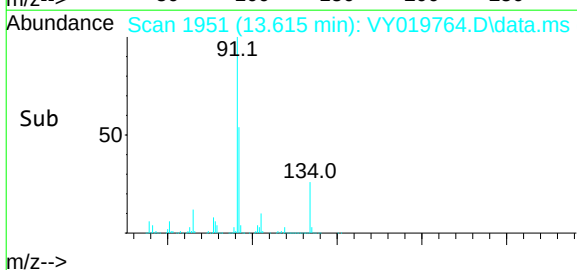
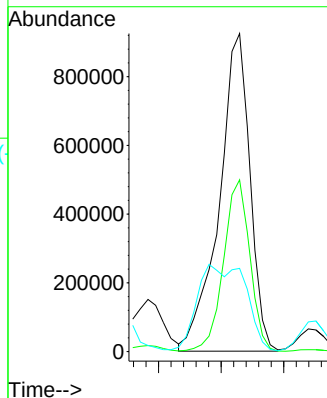
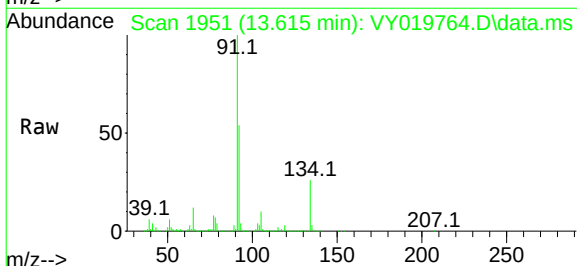
Tgt Ion: 91 Resp: 1576411

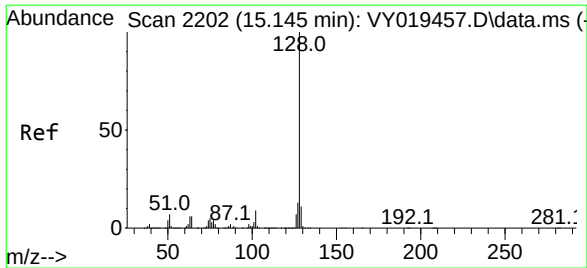
Ion Ratio Lower Upper

91 100

92 46.2 26.6 79.7

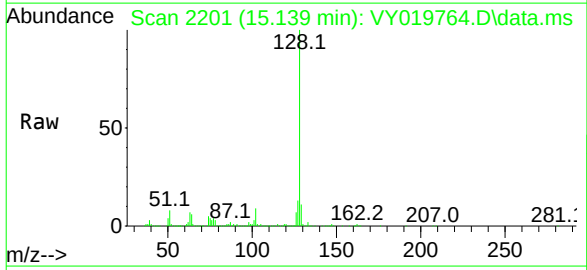
134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 69.215 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY019764.D
Acq: 02 Oct 2024 15:00

Instrument :
MSVOA_Y
ClientSampleId :
TP-R-VOC



Tgt Ion:	128	Resp:	397630
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.1	8.6	13.0

