

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
 Data File : VY020723.D
 Acq On : 26 Dec 2024 17:38
 Operator : SY/MD
 Sample : P5342-01RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT26634RE

Quant Time: Dec 27 00:35:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

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

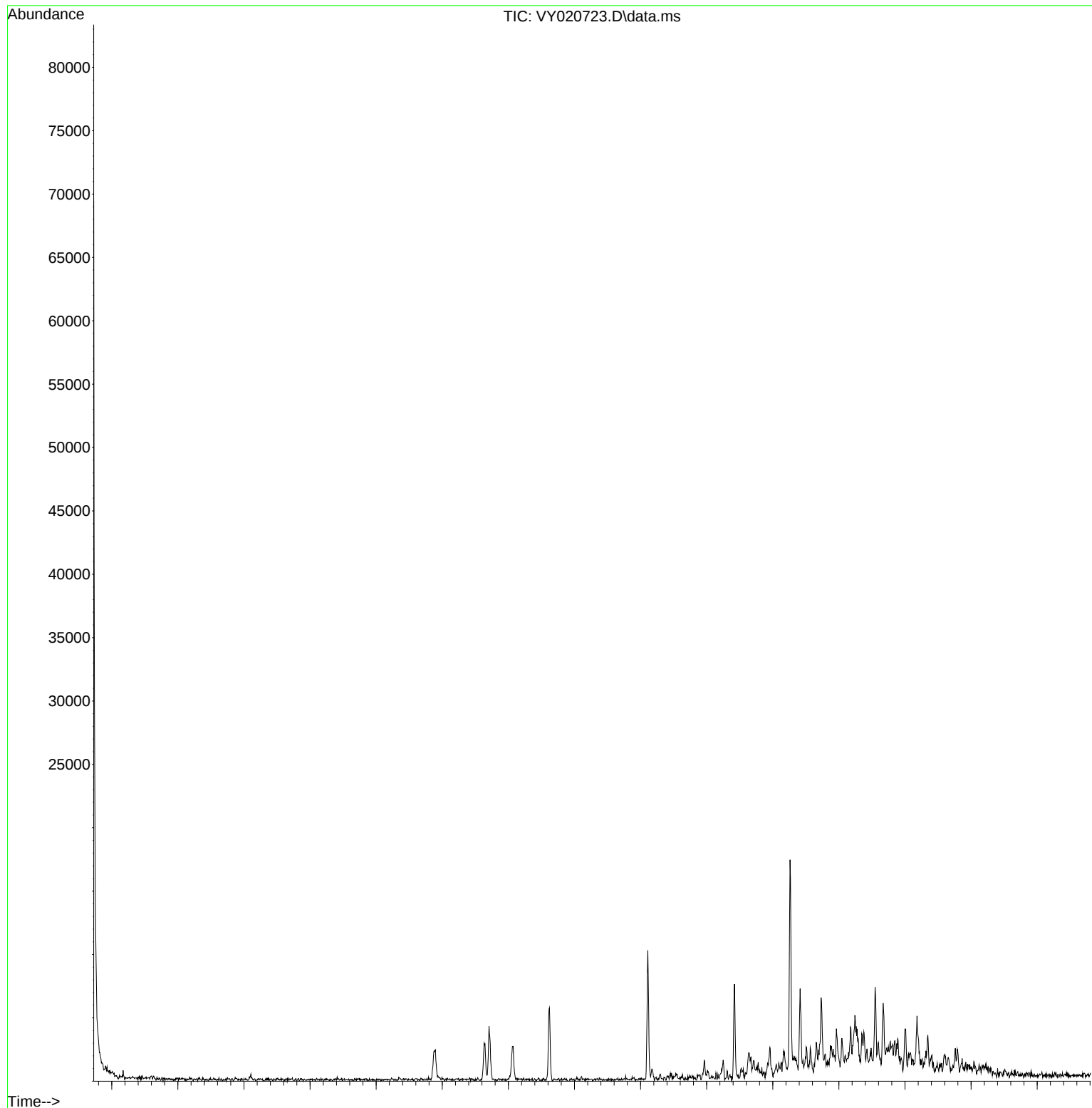
Internal Standards						
1) Pentafluorobenzene	7.707	168	3635	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.622	114	5947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	4277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	2596	87.190	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 174.380%#			
35) Dibromofluoromethane	7.640	113	2204	67.283	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 134.560%			
50) Toluene-d8	10.109	98	6404	49.191	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.380%			
62) 4-Bromofluorobenzene	12.414	95	1515	34.801	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 69.600%			
Target Compounds						
52) Toluene	10.176	92	531	6.178	ug/l	91
67) Ethyl Benzene	11.517	91	663	4.530	ug/l #	44
68) m/p-Xylenes	11.621	106	489	8.758	ug/l	85
69) o-Xylene	11.956	106	583	10.929	ug/l	86
80) 1,3,5-Trimethylbenzene	12.743	105	1053	26.324	ug/l	92
84) 1,2,4-Trimethylbenzene	13.048	105	1200	30.827	ug/l	96
85) sec-Butylbenzene	13.182	105	1136	22.564	ug/l	99
86) p-Isopropyltoluene	13.298	119	663	14.777	ug/l #	66

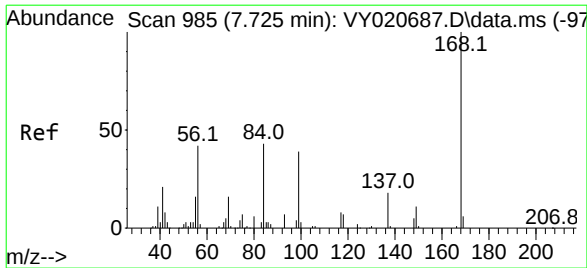
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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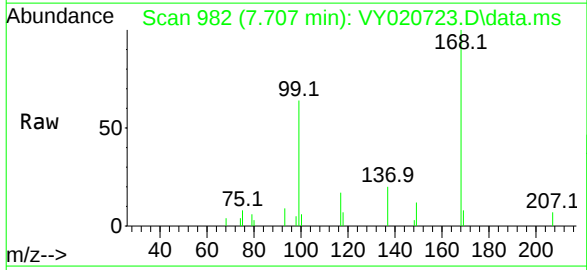
Quant Time: Dec 27 00:35:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
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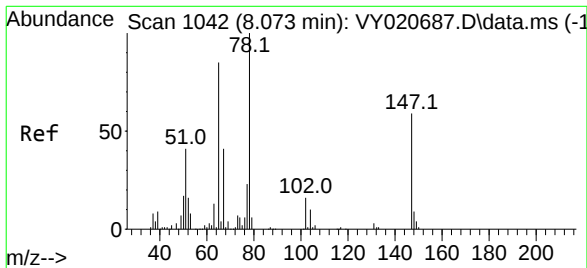
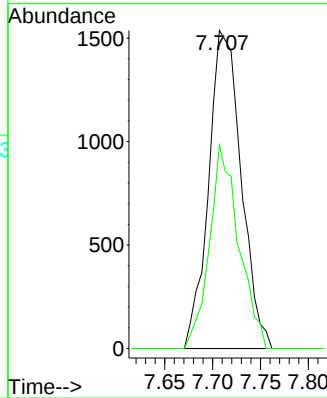
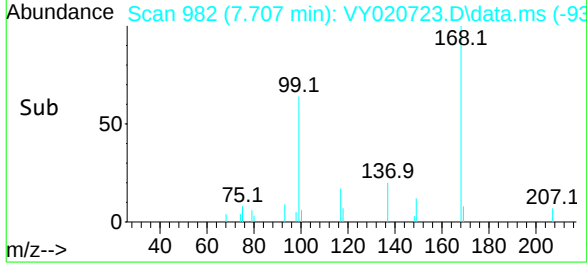


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.018 min
Lab File: VY020723.D
Acq: 26 Dec 2024 17:38

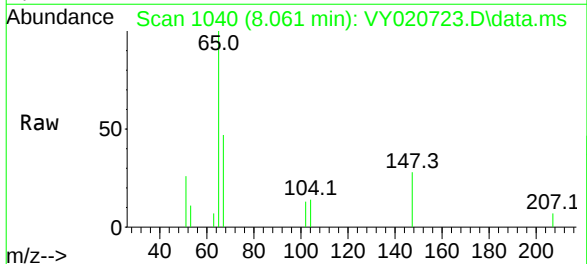
Instrument :
MSVOA_Y
ClientSampleId :
CHRT26634RE



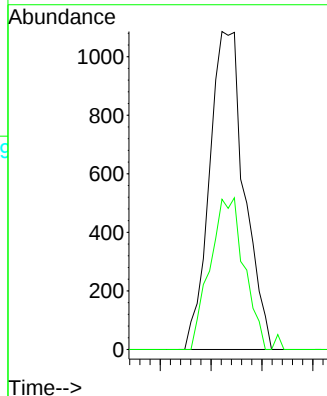
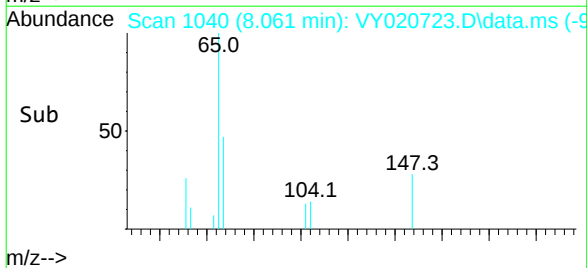
Tgt Ion:168 Resp: 3635
Ion Ratio Lower Upper
168 100
99 63.9 43.8 65.6

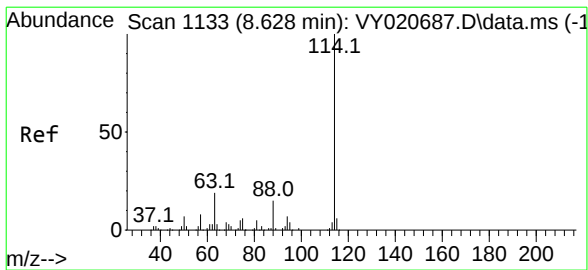


#33
1,2-Dichloroethane-d4
Concen: 87.190 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020723.D
Acq: 26 Dec 2024 17:38



Tgt Ion: 65 Resp: 2596
Ion Ratio Lower Upper
65 100
67 46.4 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020723.D

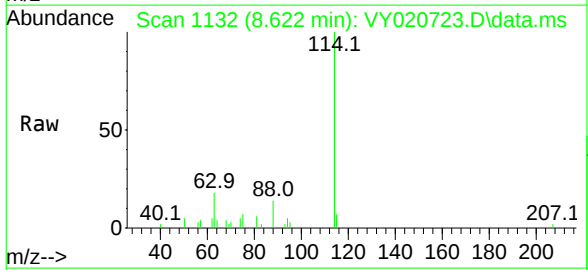
Acq: 26 Dec 2024 17:38

Instrument :

MSVOA_Y

ClientSampleId :

CHRT26634RE



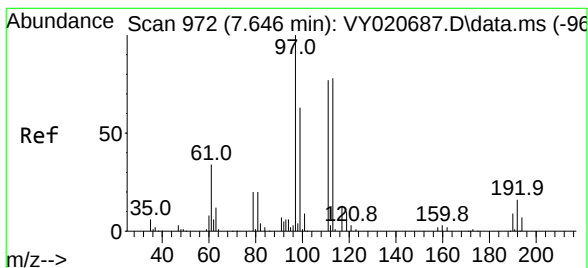
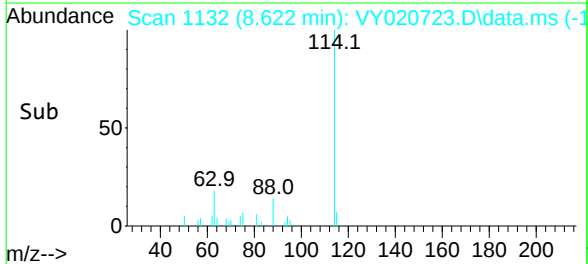
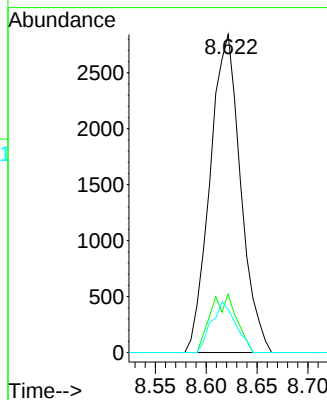
Tgt Ion:114 Resp: 5947

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

88 13.5 0.0 30.4



#35

Dibromofluoromethane

Concen: 67.283 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.006 min

Lab File: VY020723.D

Acq: 26 Dec 2024 17:38

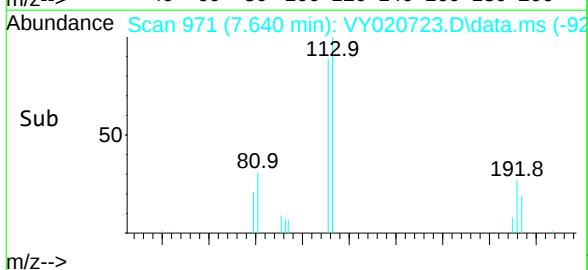
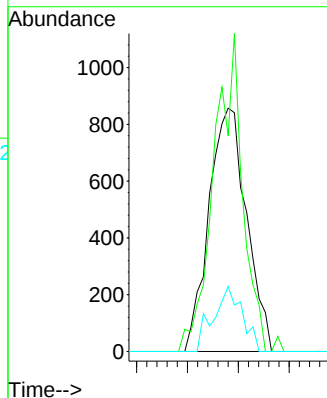
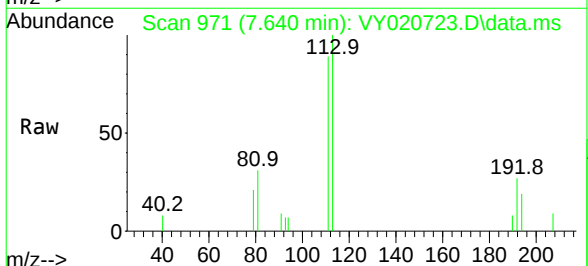
Tgt Ion:113 Resp: 2204

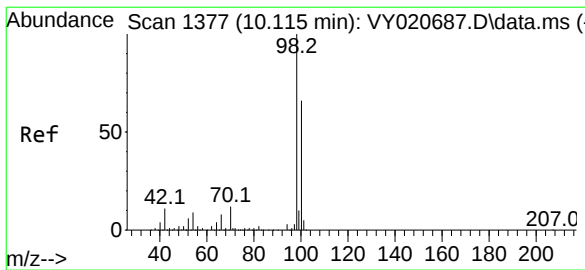
Ion Ratio Lower Upper

113 100

111 99.7 79.8 119.8

192 20.6 17.0 25.6





#50

Toluene-d8

Concen: 49.191 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY020723.D

Acq: 26 Dec 2024 17:38

Instrument :

MSVOA_Y

ClientSampleId :

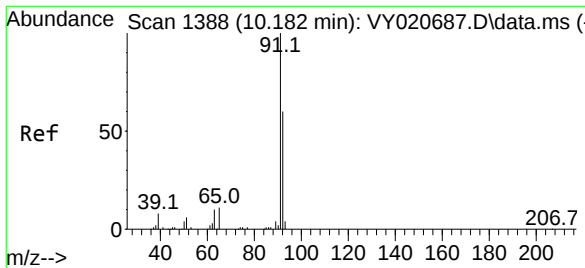
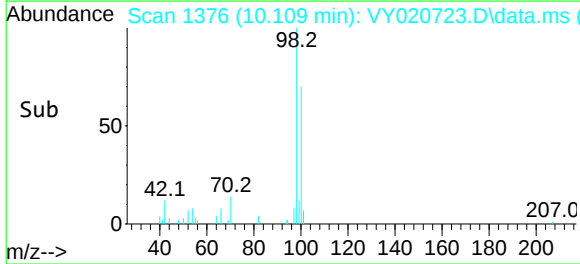
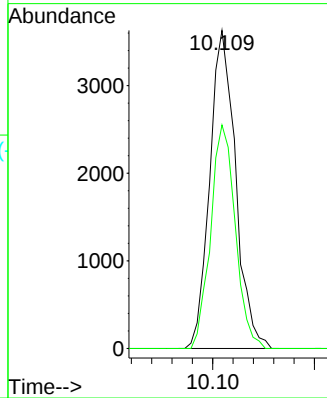
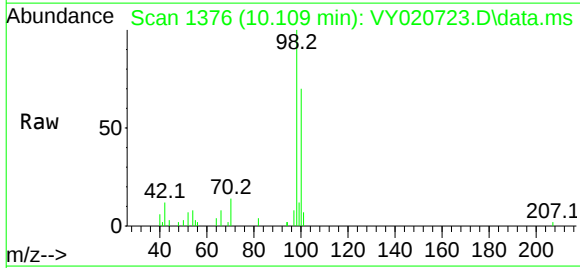
CHRT26634RE

Tgt Ion: 98 Resp: 6404

Ion Ratio Lower Upper

98 100

100 67.1 52.2 78.4



#52

Toluene

Concen: 6.178 ug/l

RT: 10.176 min Scan# 1387

Delta R.T. -0.006 min

Lab File: VY020723.D

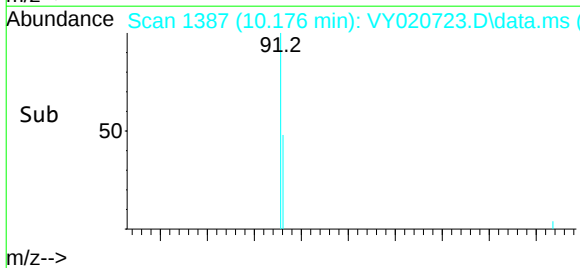
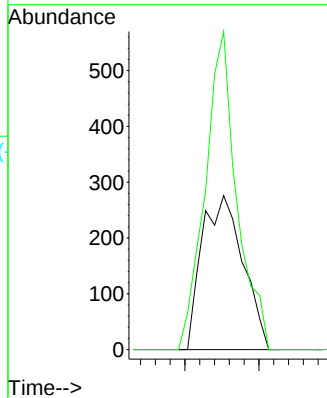
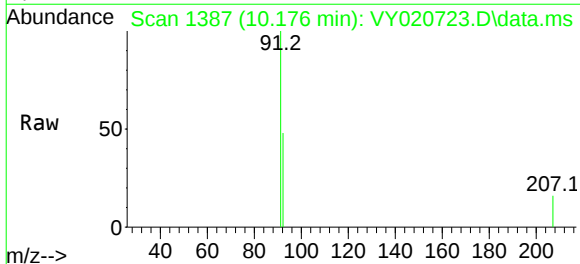
Acq: 26 Dec 2024 17:38

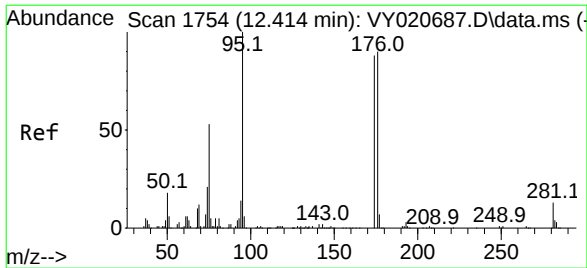
Tgt Ion: 92 Resp: 531

Ion Ratio Lower Upper

92 100

91 159.9 137.7 206.5

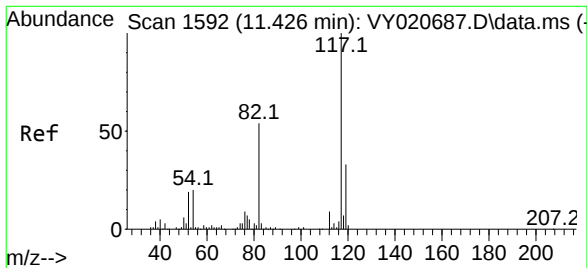
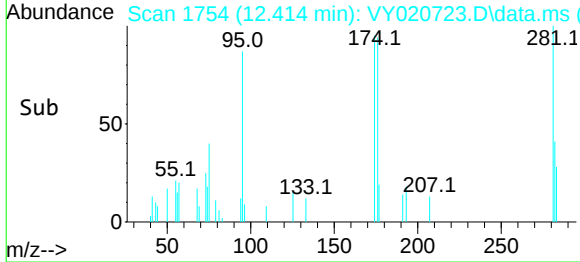
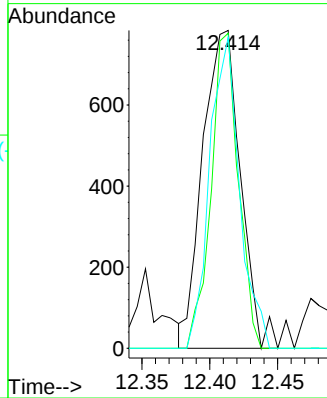
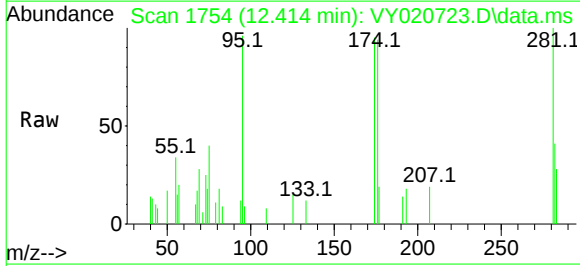




#62
4-Bromofluorobenzene
Concen: 34.801 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020723.D
Acq: 26 Dec 2024 17:38

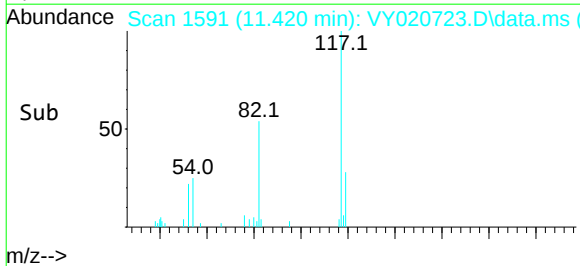
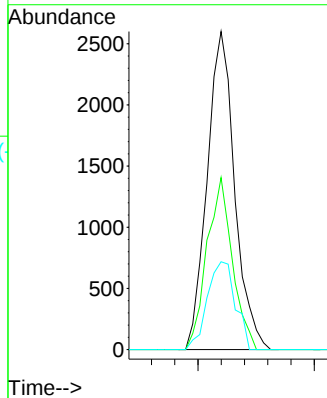
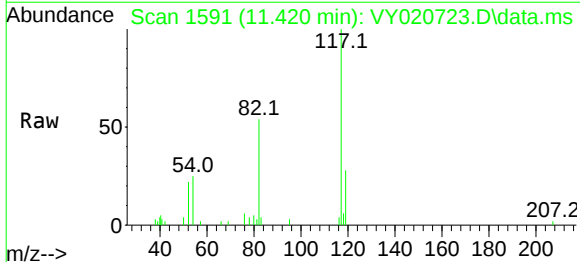
Instrument :
MSVOA_Y
ClientSampleId :
CHRT26634RE

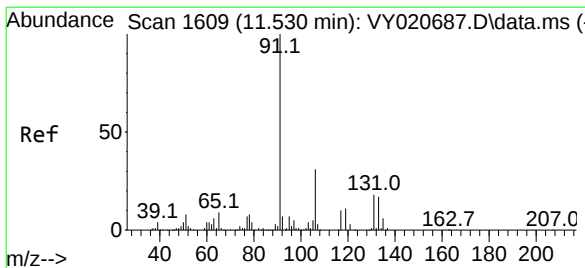
Tgt Ion:	95	Resp:	1515
Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	179.2
176	77.5	0.0	179.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020723.D
Acq: 26 Dec 2024 17:38

Tgt Ion:	117	Resp:	4277
Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.4	65.2
119	27.6	26.6	39.8





#67

Ethyl Benzene

Concen: 4.530 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.013 min

Lab File: VY020723.D

Acq: 26 Dec 2024 17:38

Instrument :

MSVOA_Y

ClientSampleId :

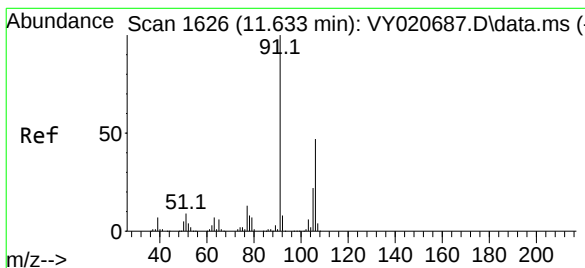
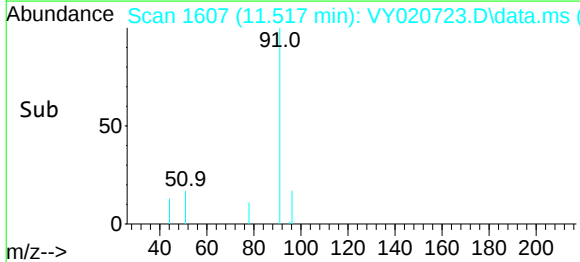
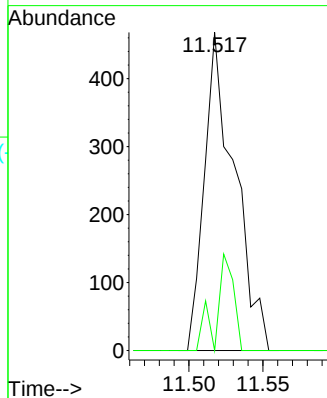
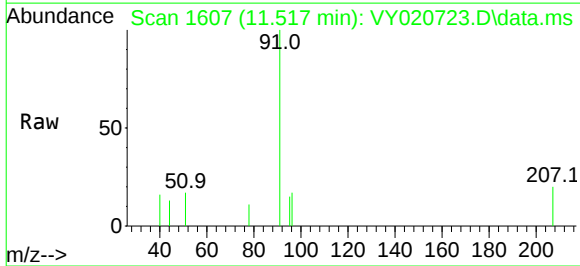
CHRT26634RE

Tgt Ion: 91 Resp: 663

Ion Ratio Lower Upper

91 100

106 0.0 24.5 36.7#



#68

m/p-Xylenes

Concen: 8.758 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.012 min

Lab File: VY020723.D

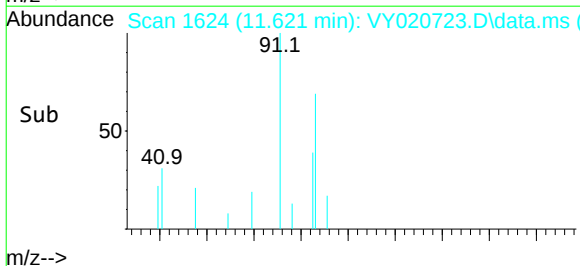
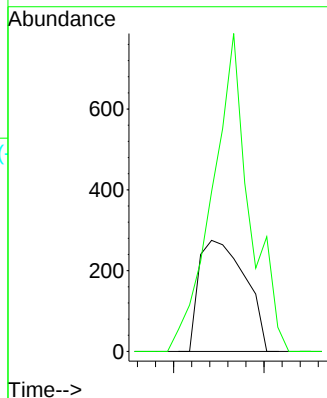
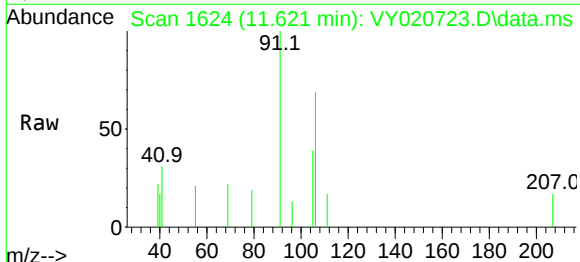
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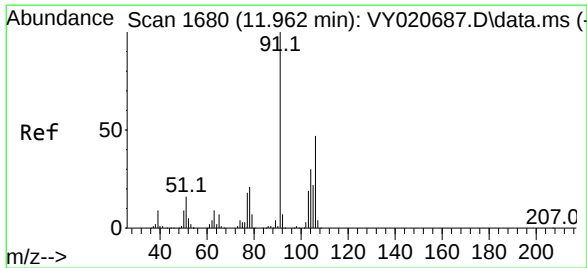
Tgt Ion: 106 Resp: 489

Ion Ratio Lower Upper

106 100

91 231.5 166.6 250.0





#69

o-Xylene

Concen: 10.929 ug/l

RT: 11.956 min Scan# 16

Delta R.T. -0.006 min

Lab File: VY020723.D

Acq: 26 Dec 2024 17:38

Instrument :

MSVOA_Y

ClientSampleId :

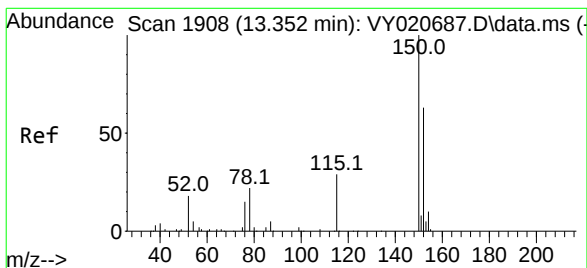
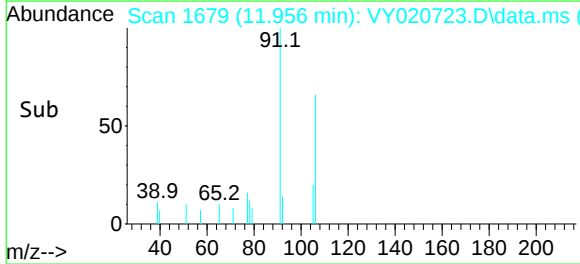
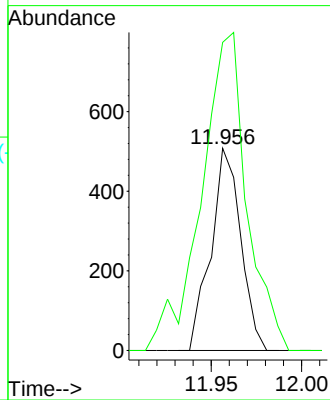
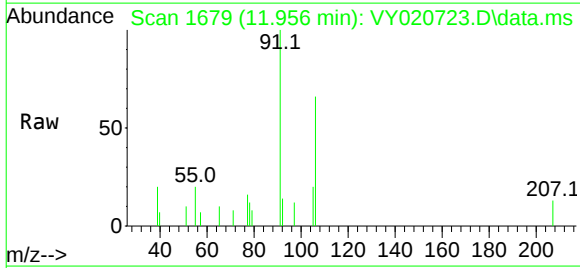
CHRT26634RE

Tgt Ion:106 Resp: 583

Ion Ratio Lower Upper

106 100

91 239.6 108.6 325.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020723.D

Acq: 26 Dec 2024 17:38

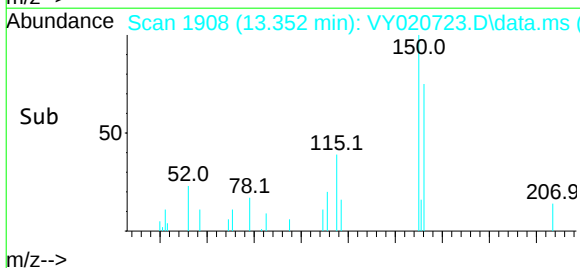
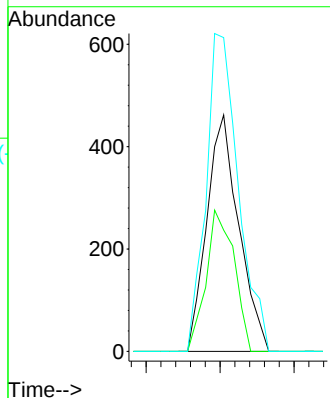
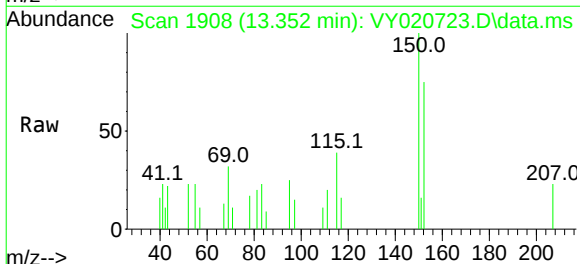
Tgt Ion:152 Resp: 693

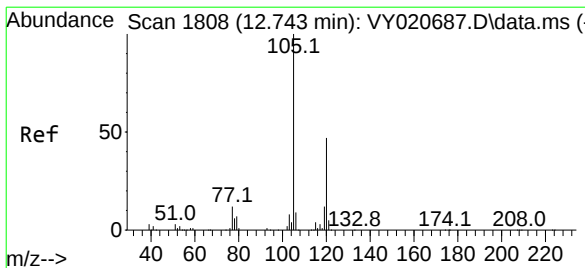
Ion Ratio Lower Upper

152 100

115 52.2 30.3 90.9

150 136.2 0.0 349.0





#80

1,3,5-Trimethylbenzene

Concen: 26.324 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VY020723.D

Acq: 26 Dec 2024 17:38

Instrument :

MSVOA_Y

ClientSampleId :

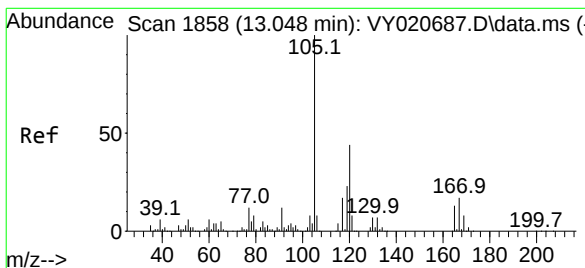
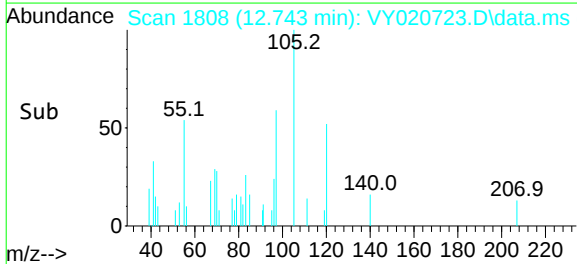
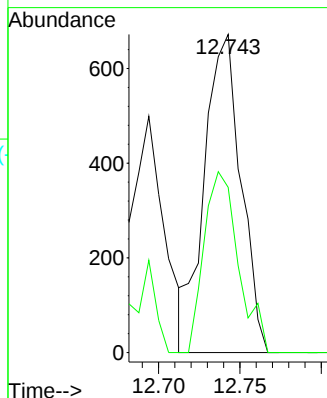
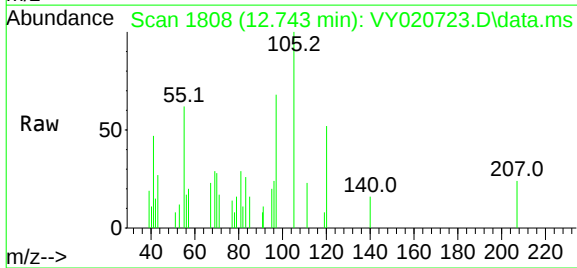
CHRT26634RE

Tgt Ion:105 Resp: 1053

Ion Ratio Lower Upper

105 100

120 53.4 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 30.827 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VY020723.D

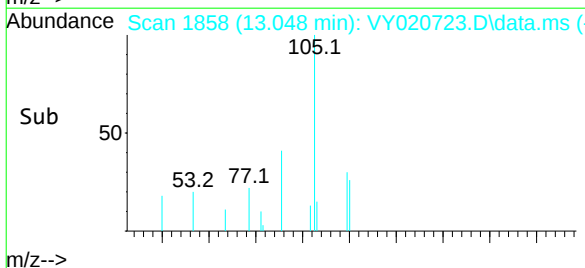
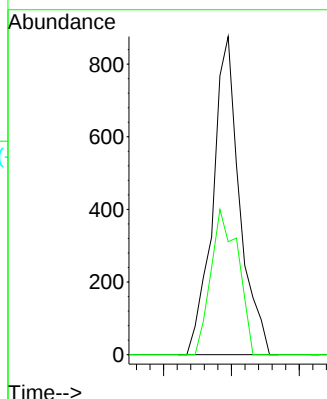
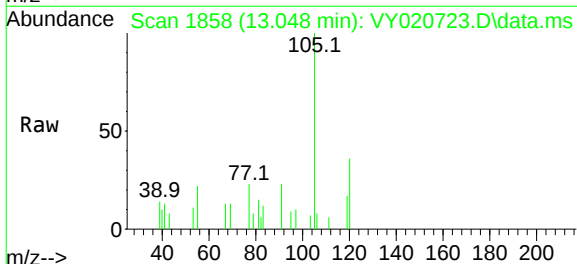
Acq: 26 Dec 2024 17:38

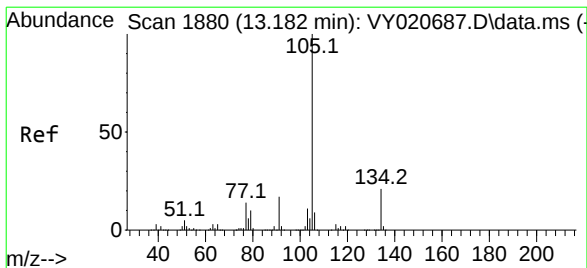
Tgt Ion:105 Resp: 1200

Ion Ratio Lower Upper

105 100

120 46.3 21.8 65.3





#85

sec-Butylbenzene

Concen: 22.564 ug/l

RT: 13.182 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VY020723.D

Acq: 26 Dec 2024 17:38

Instrument :

MSVOA_Y

ClientSampleId :

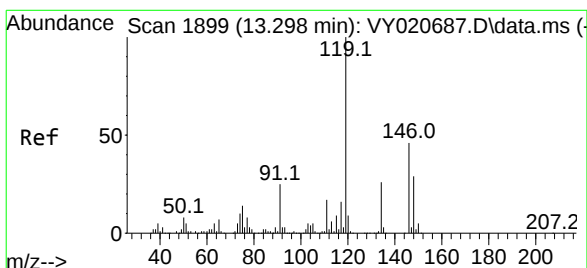
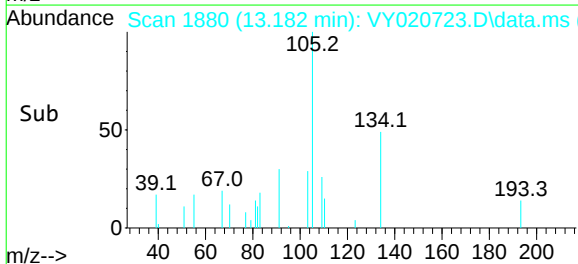
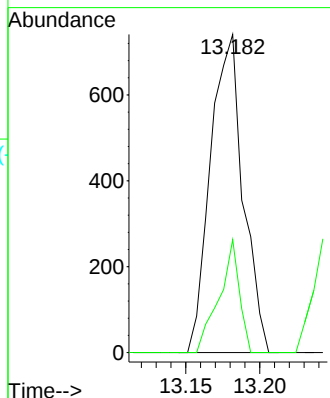
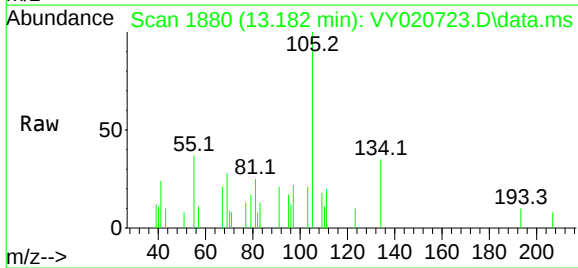
CHRT26634RE

Tgt Ion:105 Resp: 1136

Ion Ratio Lower Upper

105 100

134 21.9 10.7 32.1



#86

p-Isopropyltoluene

Concen: 14.777 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VY020723.D

Acq: 26 Dec 2024 17:38

Tgt Ion:119 Resp: 663

Ion Ratio Lower Upper

119 100

134 19.3 13.4 40.2

91 53.1 12.9 38.6#

