

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021825\
 Data File : VY021233.D
 Acq On : 18 Feb 2025 16:15
 Operator : SY/MD
 Sample : Q1372-02
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-05-021425

Quant Time: Feb 19 04:15:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

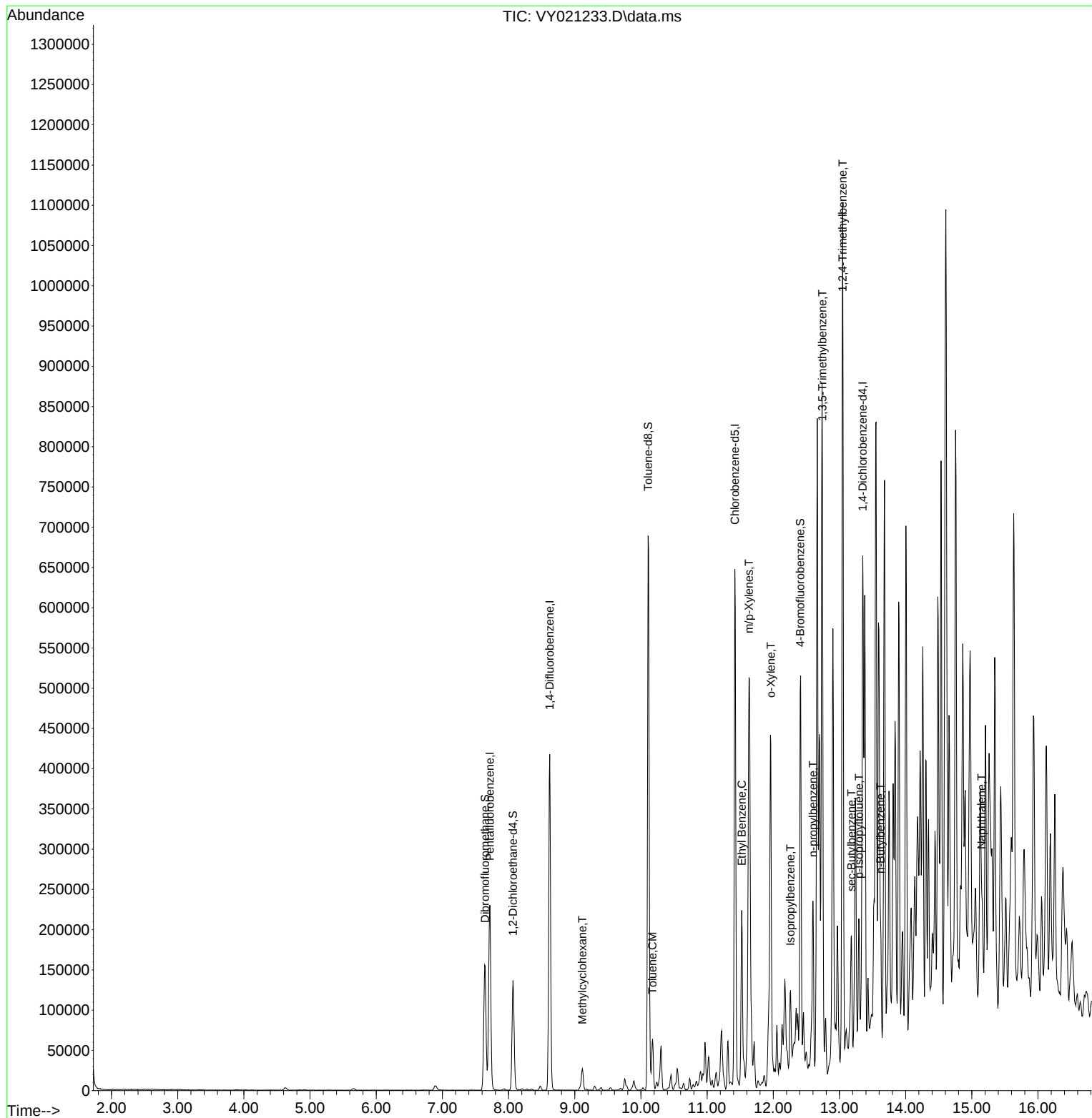
Internal Standards						
1) Pentafluorobenzene	7.719	168	175276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	338180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	327582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	136016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	105951	58.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.000%
35) Dibromofluoromethane	7.646	113	108904	50.249	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.500%
50) Toluene-d8	10.109	98	419526	50.846	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.700%
62) 4-Bromofluorobenzene	12.407	95	145232	53.878	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.760%
Target Compounds						
						Qvalue
39) Methylcyclohexane	9.115	83	10141	2.583	ug/l	95
52) Toluene	10.176	92	25660	4.338	ug/l	99
67) Ethyl Benzene	11.523	91	139037	10.777	ug/l	100
68) m/p-Xylenes	11.633	106	116454	24.128	ug/l	96
69) o-Xylene	11.962	106	100093	22.244	ug/l	94
73) Isopropylbenzene	12.261	105	58263	5.484	ug/l	100
78) n-propylbenzene	12.602	91	156793	12.388	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	186883	21.695	ug/l	98
84) 1,2,4-Trimethylbenzene	13.047	105	527177	62.590	ug/l	99
85) sec-Butylbenzene	13.182	105	80038	7.101	ug/l	90
86) p-Isopropyltoluene	13.297	119	51495	5.500	ug/l	100
89) n-Butylbenzene	13.621	91	56567	6.623	ug/l #	69
95) Naphthalene	15.151	128	51667	14.120	ug/l #	88

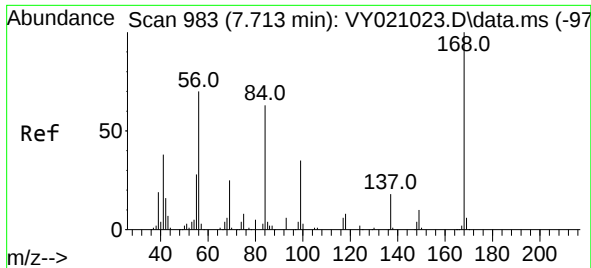
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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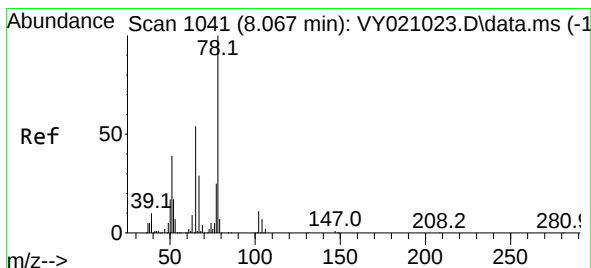
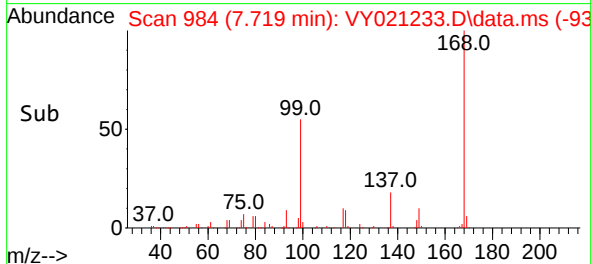
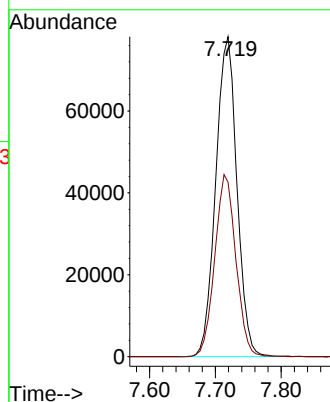
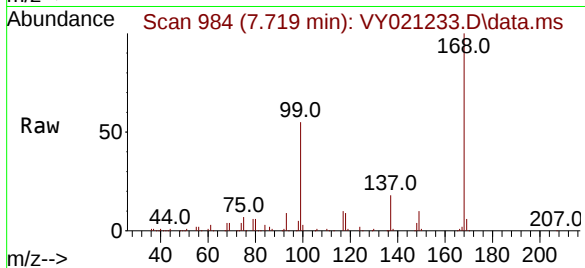




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.006 min
Lab File: VY021233.D
Acq: 18 Feb 2025 16:15

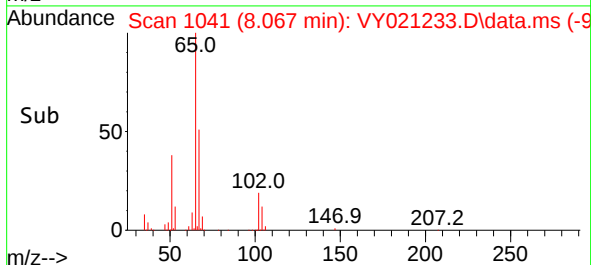
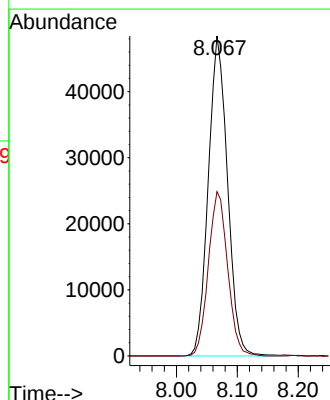
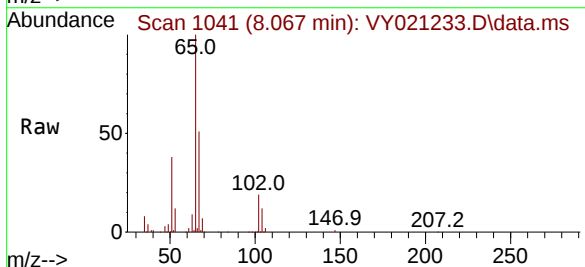
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-021425

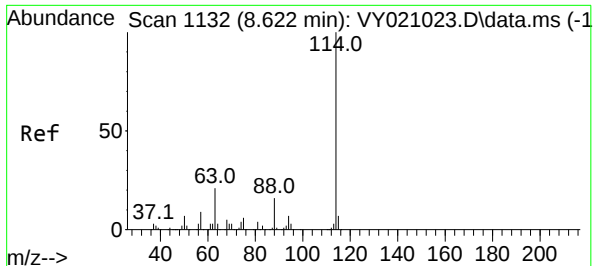
Tgt Ion:168 Resp: 175276
Ion Ratio Lower Upper
168 100
99 54.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 58.998 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021233.D
Acq: 18 Feb 2025 16:15

Tgt Ion: 65 Resp: 105951
Ion Ratio Lower Upper
65 100
67 51.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021233.D

Acq: 18 Feb 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-021425

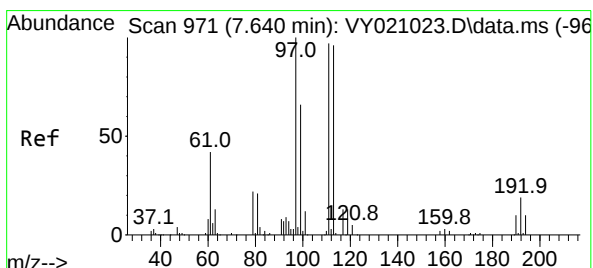
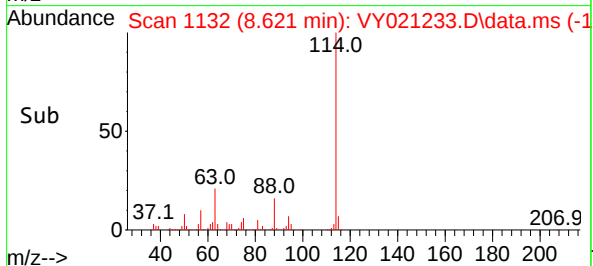
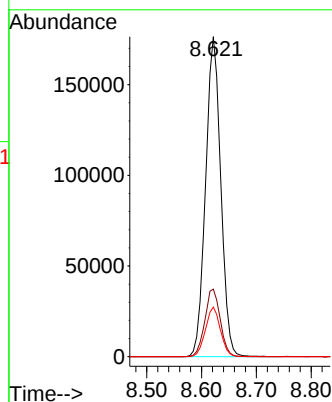
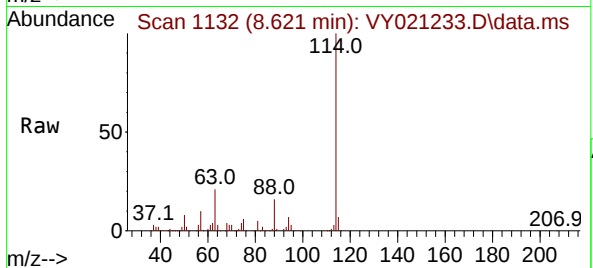
Tgt Ion:114 Resp: 338180

Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.4

88 15.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.249 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY021233.D

Acq: 18 Feb 2025 16:15

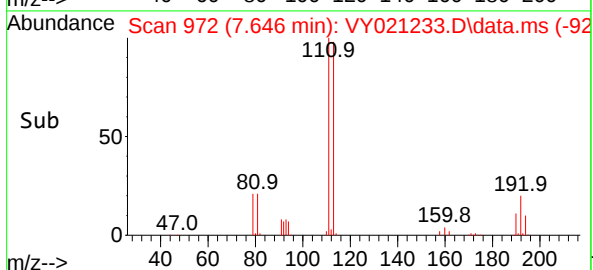
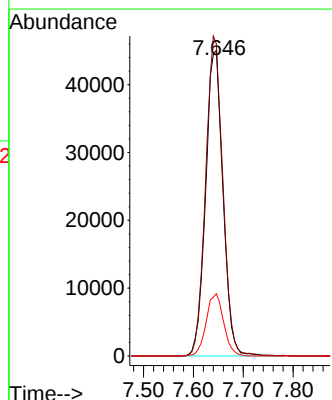
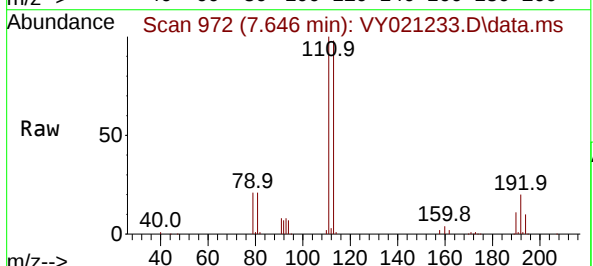
Tgt Ion:113 Resp: 108904

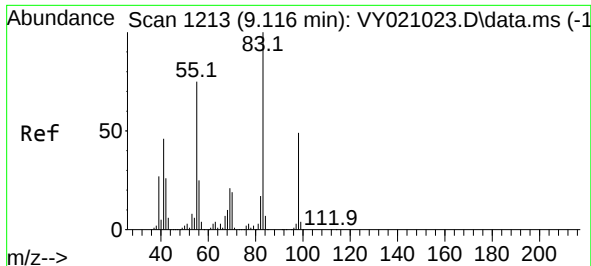
Ion Ratio Lower Upper

113 100

111 104.0 83.8 125.6

192 20.5 14.5 21.7





#39

Methylcyclohexane

Concen: 2.583 ug/l

RT: 9.115 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021233.D

Acq: 18 Feb 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-021425

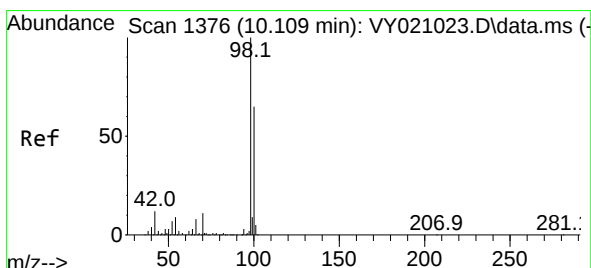
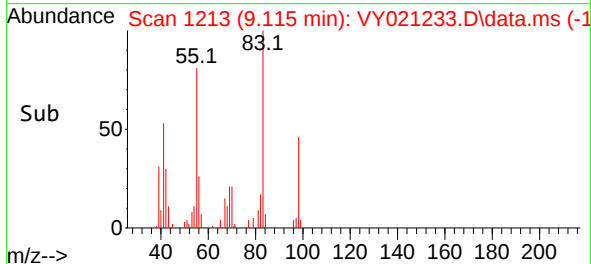
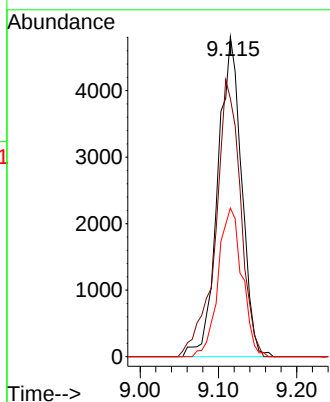
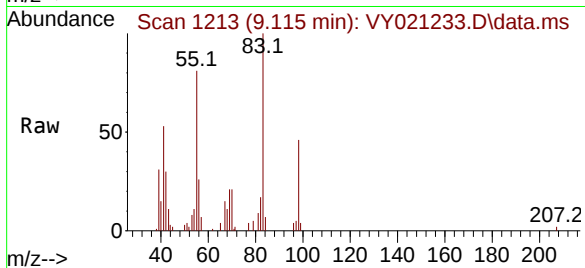
Tgt Ion: 83 Resp: 10141

Ion Ratio Lower Upper

83 100

55 80.7 59.7 89.5

98 46.5 38.0 57.0



#50

Toluene-d8

Concen: 50.846 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021233.D

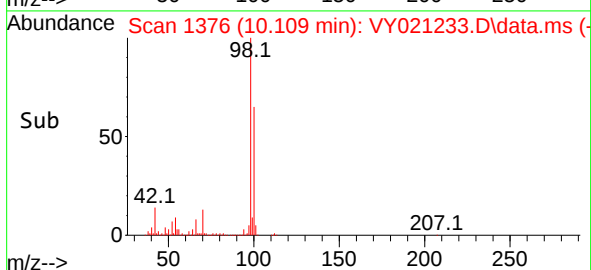
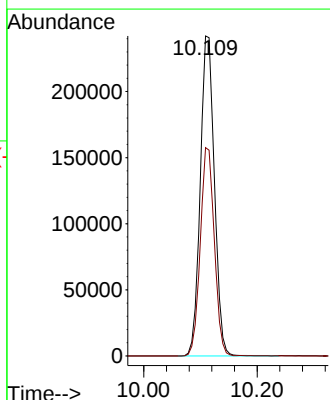
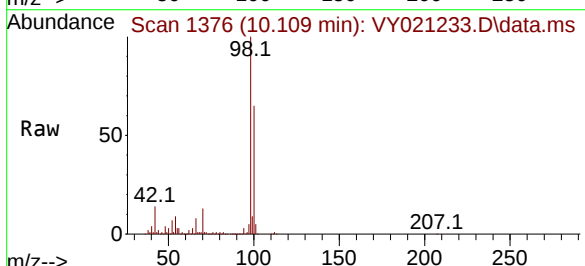
Acq: 18 Feb 2025 16:15

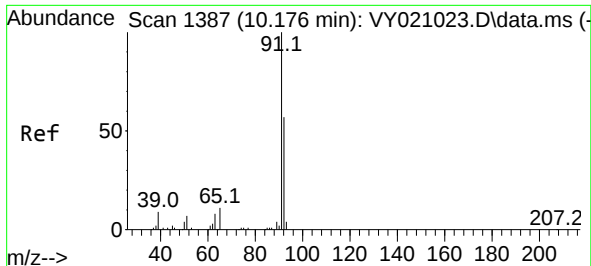
Tgt Ion: 98 Resp: 419526

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5

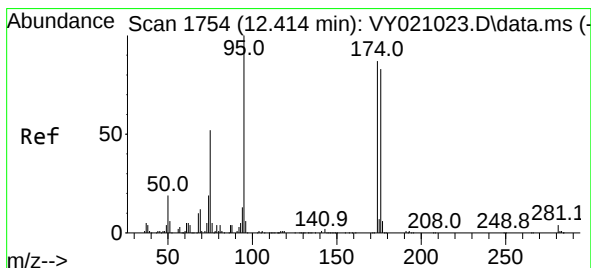
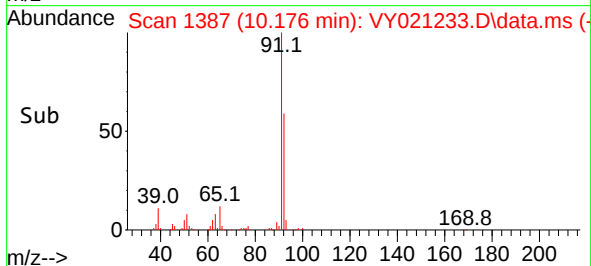
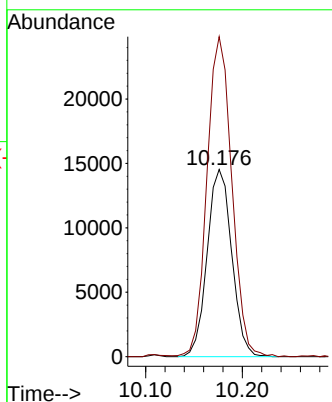
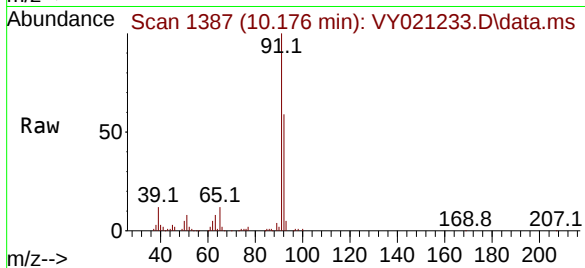




#52
Toluene
Concen: 4.338 ug/l
RT: 10.176 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021233.D
Acq: 18 Feb 2025 16:15

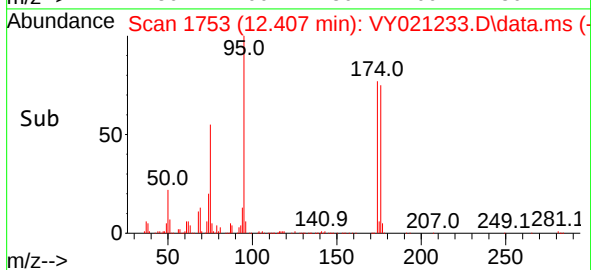
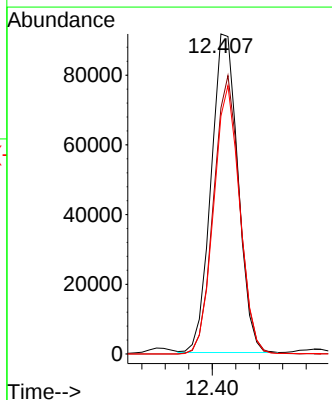
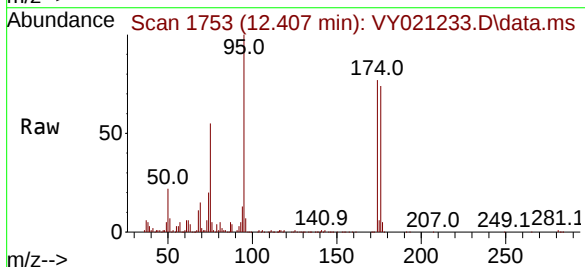
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-021425

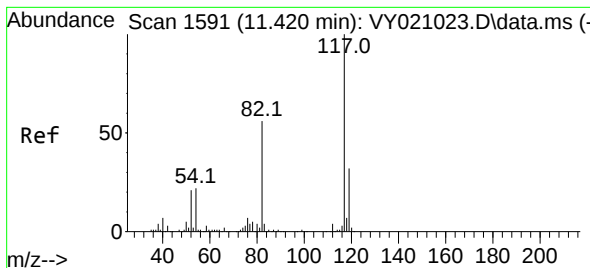
Tgt Ion: 92 Resp: 25660
Ion Ratio Lower Upper
92 100
91 172.9 137.6 206.4



#62
4-Bromofluorobenzene
Concen: 53.878 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021233.D
Acq: 18 Feb 2025 16:15

Tgt Ion: 95 Resp: 145232
Ion Ratio Lower Upper
95 100
174 84.7 0.0 160.0
176 81.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021233.D

Acq: 18 Feb 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-021425

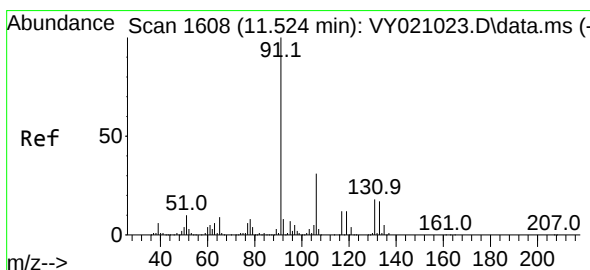
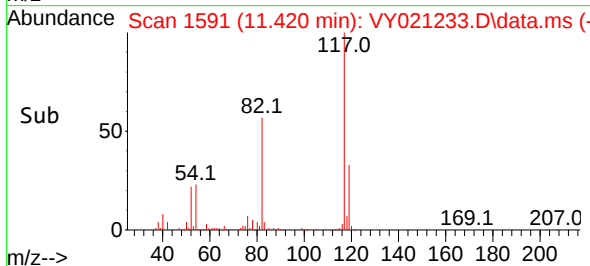
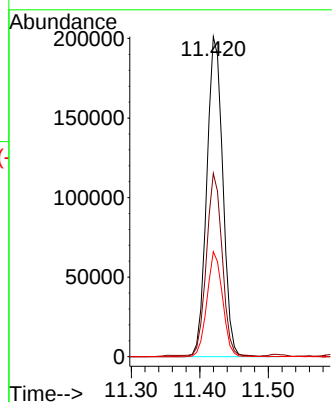
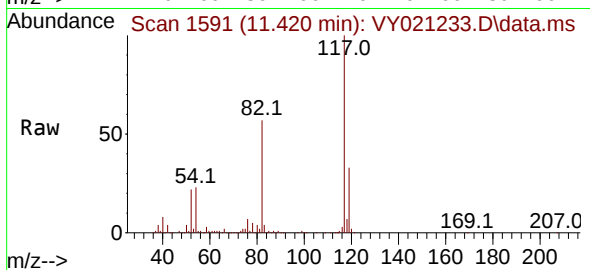
Tgt Ion:117 Resp: 327582

Ion Ratio Lower Upper

117 100

82 56.9 43.8 65.8

119 32.8 26.5 39.7



#67

Ethyl Benzene

Concen: 10.777 ug/l

RT: 11.523 min Scan# 1608

Delta R.T. -0.000 min

Lab File: VY021233.D

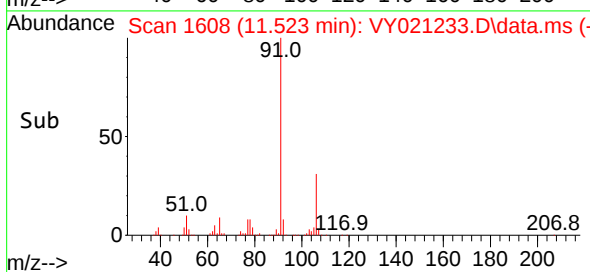
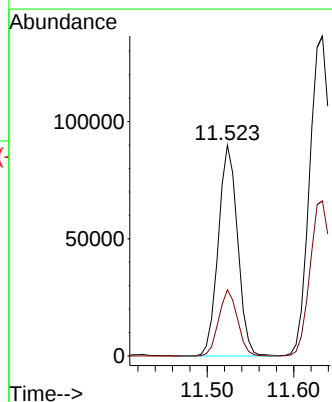
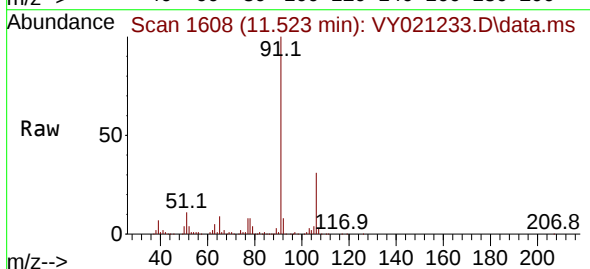
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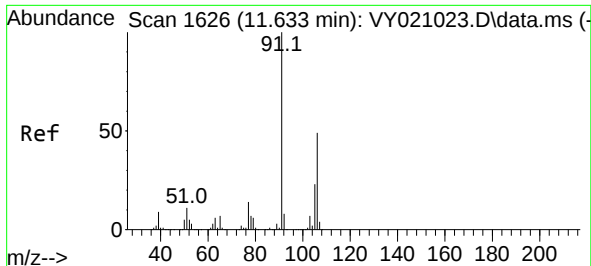
Tgt Ion: 91 Resp: 139037

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.4

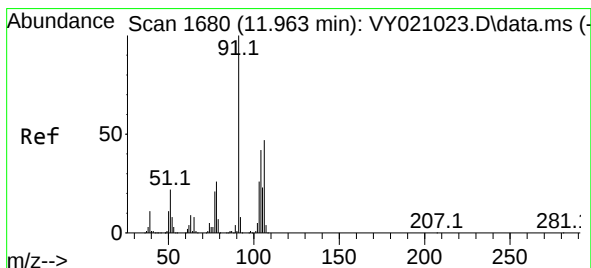
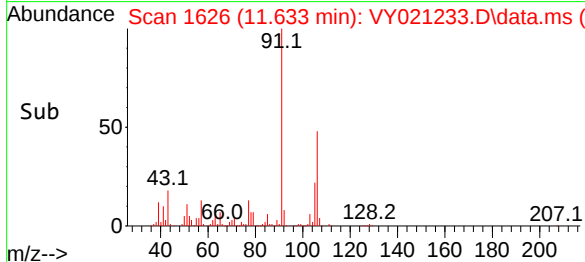
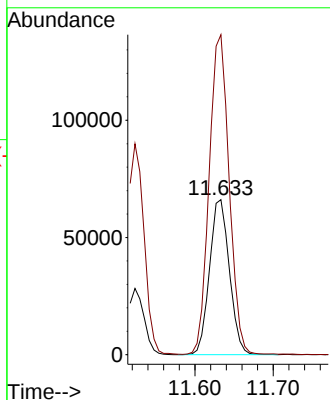
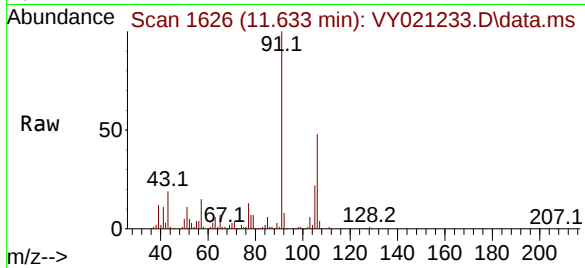




#68
m/p-Xylenes
Concen: 24.128 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021233.D
Acq: 18 Feb 2025 16:15

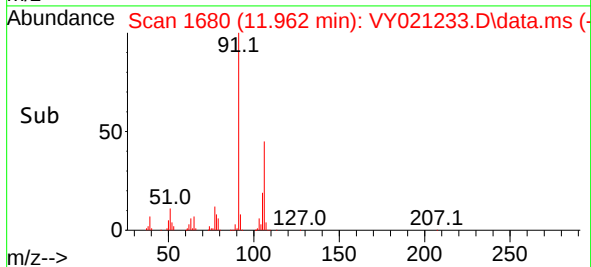
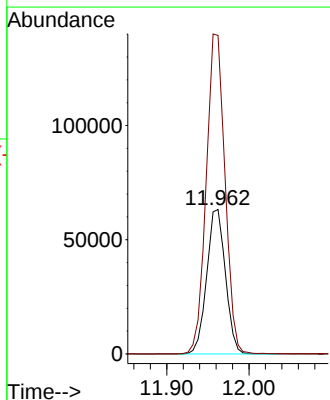
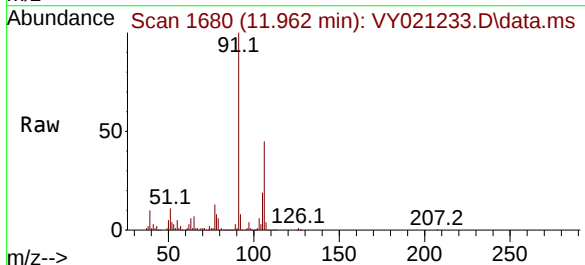
Instrument :
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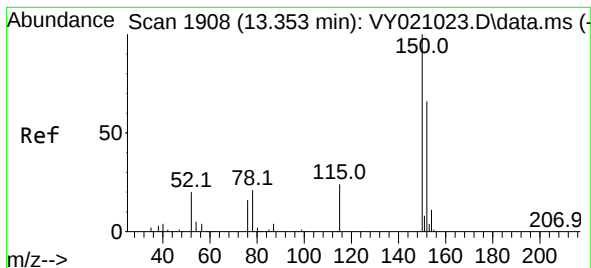
Tgt Ion:106 Resp: 116454
Ion Ratio Lower Upper
106 100
91 207.2 160.7 241.1



#69
o-Xylene
Concen: 22.244 ug/l
RT: 11.962 min Scan# 1680
Delta R.T. -0.000 min
Lab File: VY021233.D
Acq: 18 Feb 2025 16:15

Tgt Ion:106 Resp: 100093
Ion Ratio Lower Upper
106 100
91 222.4 106.5 319.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021233.D

Acq: 18 Feb 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-021425

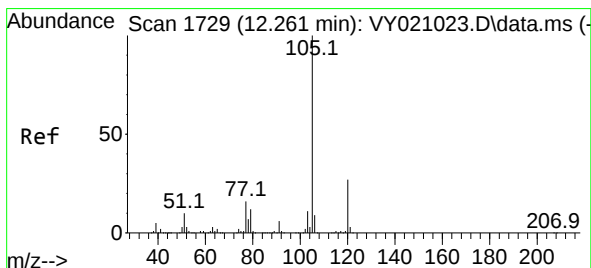
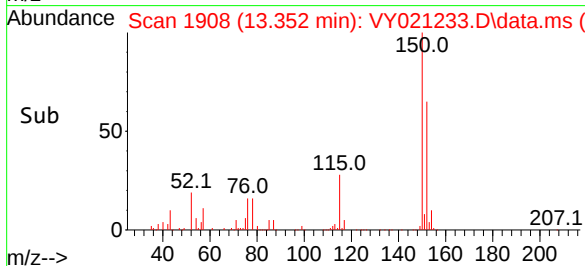
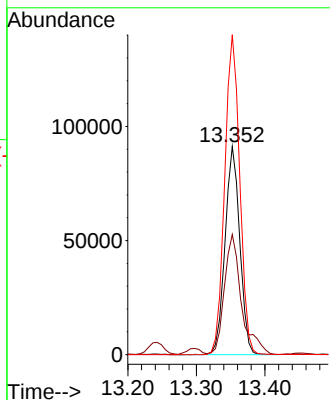
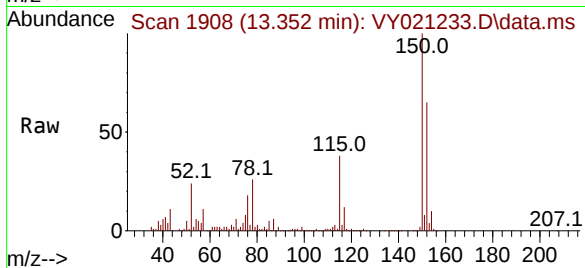
Tgt Ion:152 Resp: 136016

Ion Ratio Lower Upper

152 100

115 66.8 30.0 90.0

150 156.5 0.0 344.6



#73

Isopropylbenzene

Concen: 5.484 ug/l

RT: 12.261 min Scan# 1729

Delta R.T. -0.000 min

Lab File: VY021233.D

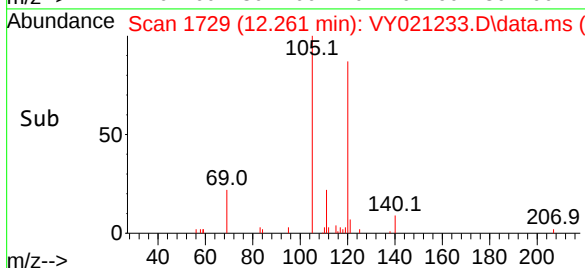
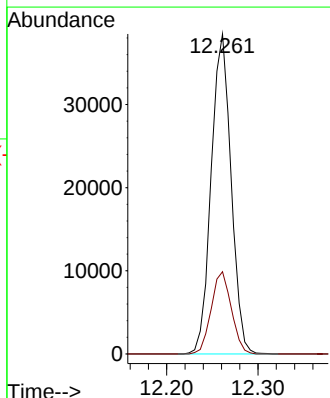
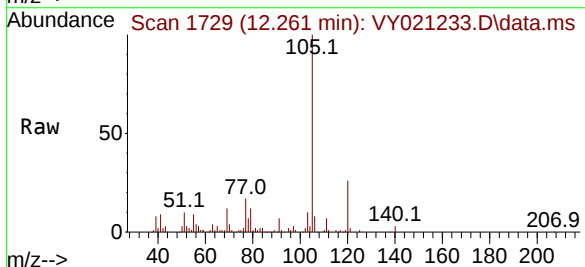
Acq: 18 Feb 2025 16:15

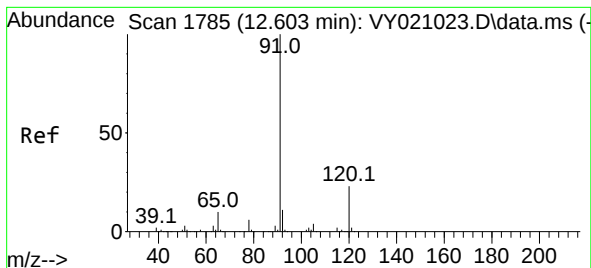
Tgt Ion:105 Resp: 58263

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0





#78

n-propylbenzene

Concen: 12.388 ug/l

RT: 12.602 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VY021233.D

Acq: 18 Feb 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

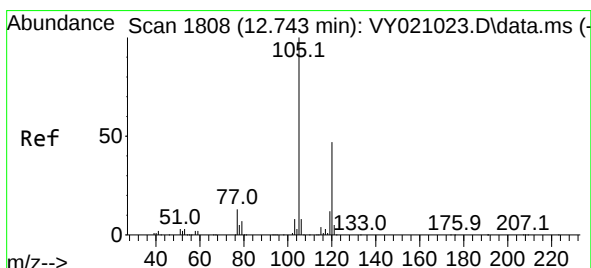
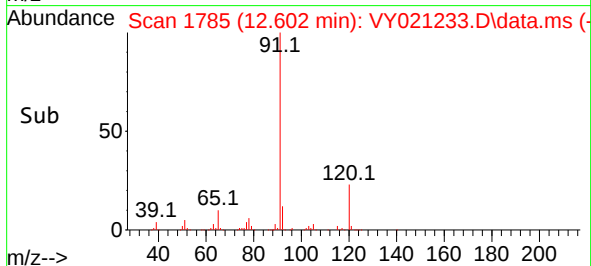
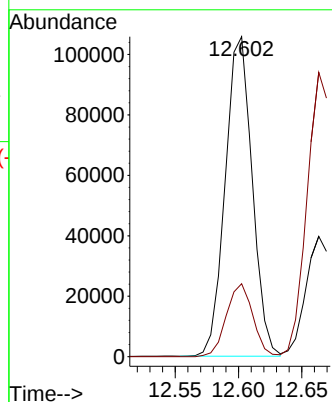
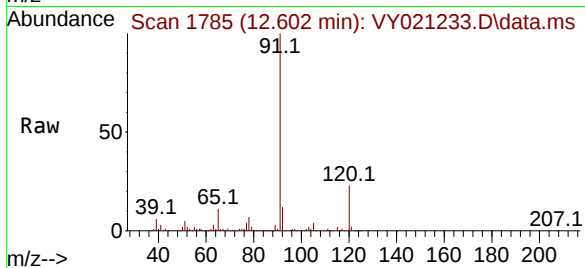
AU-05-021425

Tgt Ion: 91 Resp: 156793

Ion Ratio Lower Upper

91 100

120 22.5 11.0 33.0



#80

1,3,5-Trimethylbenzene

Concen: 21.695 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VY021233.D

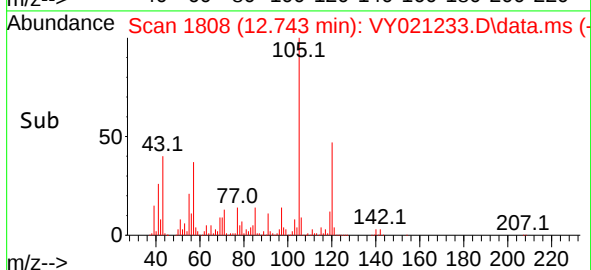
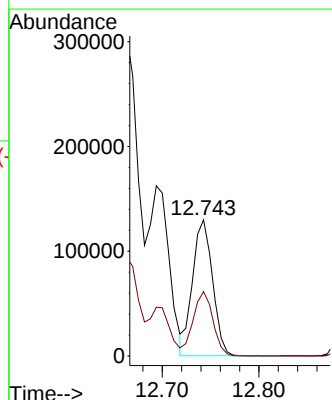
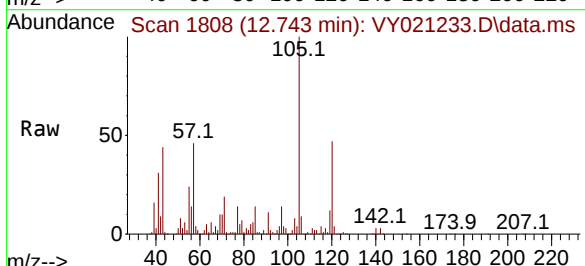
Acq: 18 Feb 2025 16:15

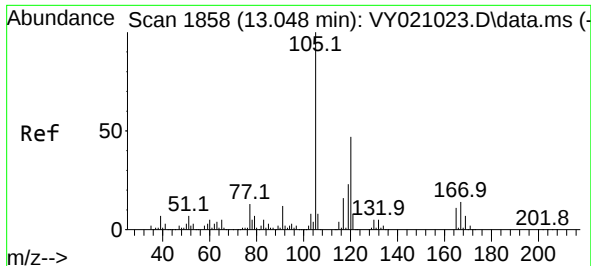
Tgt Ion: 105 Resp: 186883

Ion Ratio Lower Upper

105 100

120 47.0 24.3 72.8

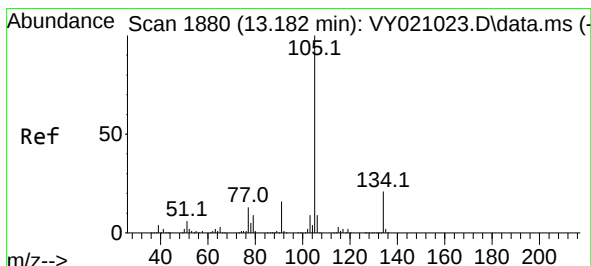
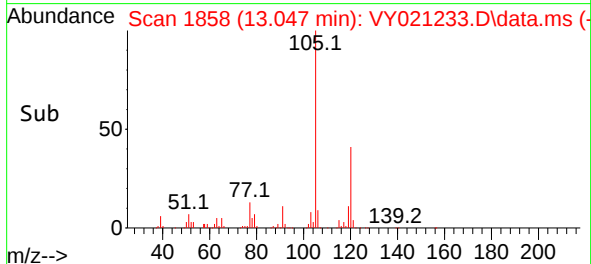
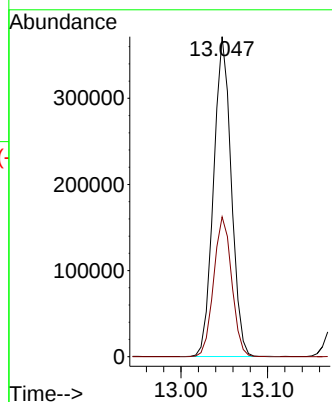
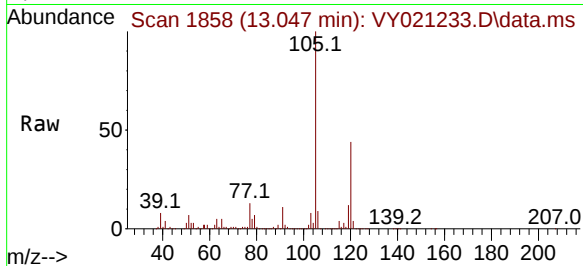




#84
1,2,4-Trimethylbenzene
Concen: 62.590 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021233.D
Acq: 18 Feb 2025 16:15

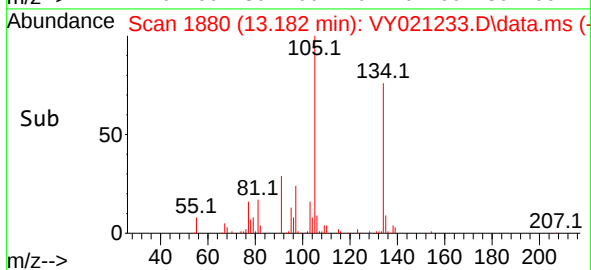
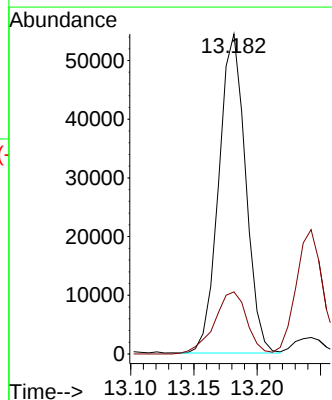
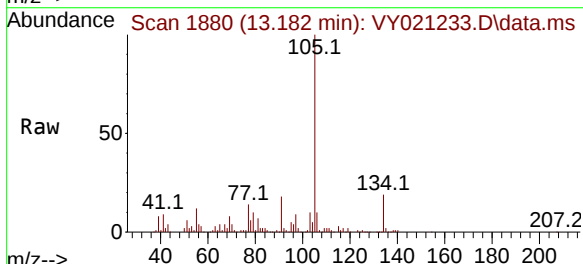
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-021425

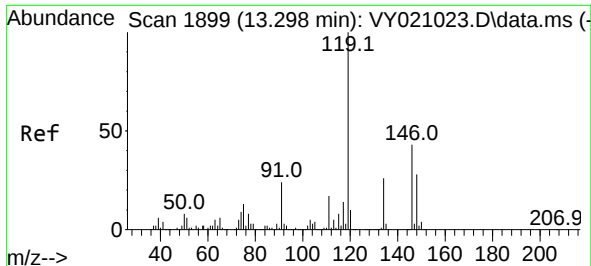
Tgt Ion:105 Resp: 527177
Ion Ratio Lower Upper
105 100
120 44.6 22.1 66.3



#85
sec-Butylbenzene
Concen: 7.101 ug/l
RT: 13.182 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VY021233.D
Acq: 18 Feb 2025 16:15

Tgt Ion:105 Resp: 80038
Ion Ratio Lower Upper
105 100
134 23.6 9.7 28.9





#86

p-Isopropyltoluene

Concen: 5.500 ug/l

RT: 13.297 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VY021233.D

Acq: 18 Feb 2025 16:15

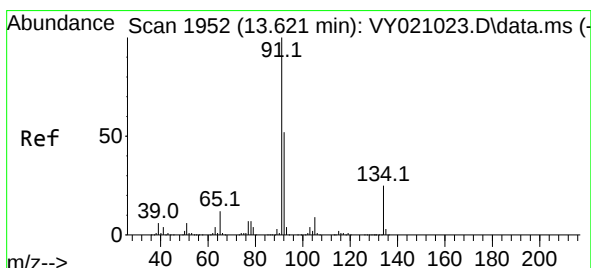
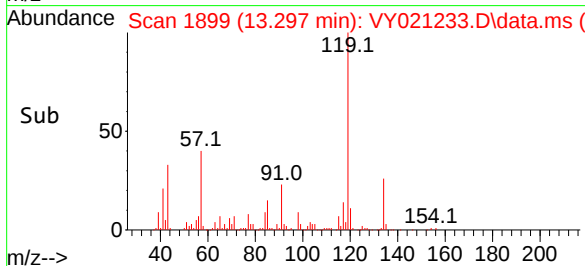
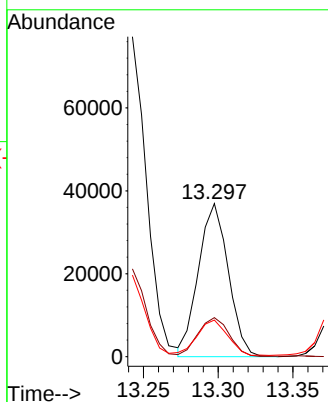
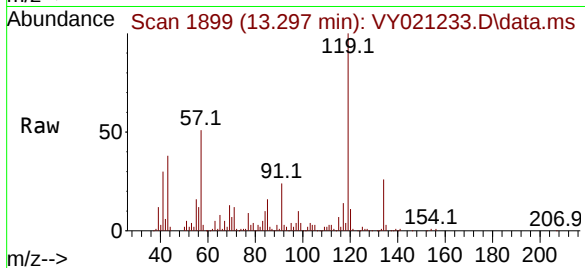
Instrument :

MSVOA_Y

ClientSampleId :

AU-05-021425

Tgt Ion:	119	Resp:	51495
Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	23.5	11.7	35.0



#89

n-Butylbenzene

Concen: 6.623 ug/l

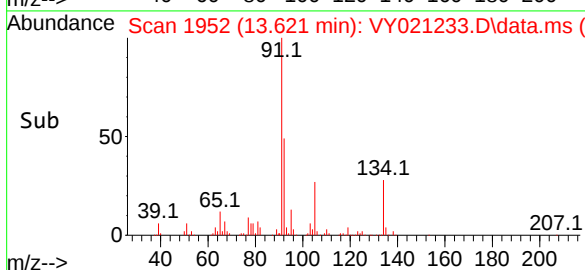
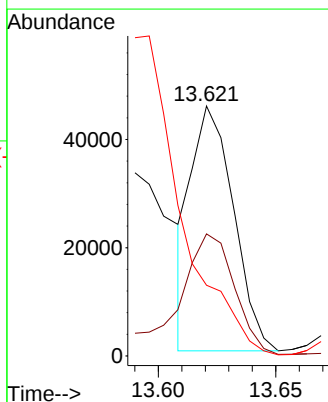
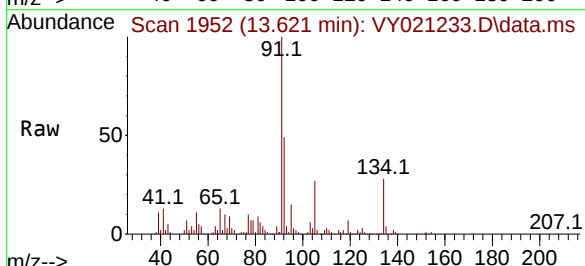
RT: 13.621 min Scan# 1952

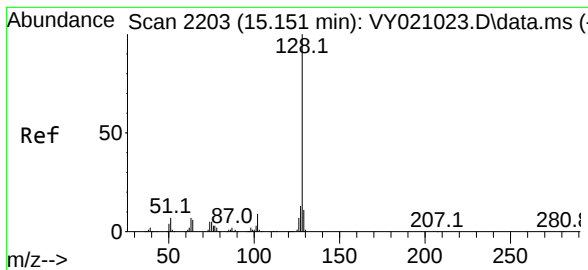
Delta R.T. -0.000 min

Lab File: VY021233.D

Acq: 18 Feb 2025 16:15

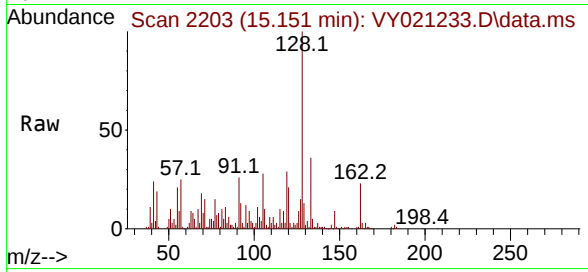
Tgt Ion:	91	Resp:	56567
Ion	Ratio	Lower	Upper
91	100		
92	68.4	26.4	79.2
134	0.0	12.3	36.8





#95
Naphthalene
Concen: 14.120 ug/l
RT: 15.151 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021233.D
Acq: 18 Feb 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
AU-05-021425



Tgt Ion:128 Resp: 51667
Ion Ratio Lower Upper
128 100
127 16.8 10.2 15.4#
129 16.4 8.6 12.8#

