

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021725\
 Data File : VY021223.D
 Acq On : 17 Feb 2025 15:38
 Operator : SY/MD
 Sample : Q1372-02
 Misc : 5.76g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-05-021425

Quant Time: Feb 18 00:48:54 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)

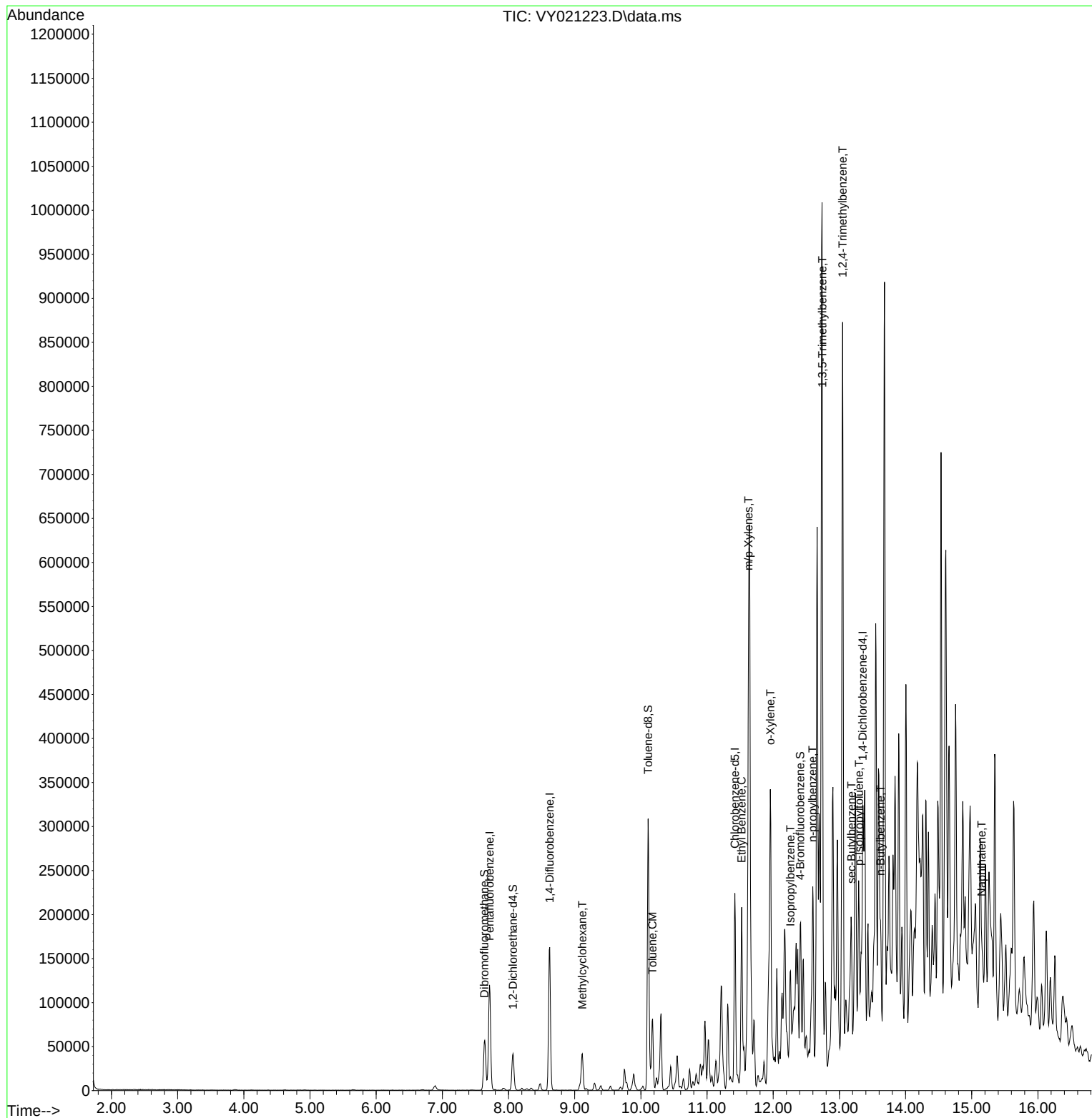
Internal Standards						
1) Pentafluorobenzene	7.713	168	87463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	134437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	110655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	40781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	34174	38.135	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	76.280%		
35) Dibromofluoromethane	7.634	113	39514	45.863	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.720%		
50) Toluene-d8	10.109	98	169343	51.629	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.260%		
62) 4-Bromofluorobenzene	12.408	95	45476	42.439	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.880%		
Target Compounds						Qvalue
39) Methylcyclohexane	9.116	83	16143	10.342	ug/l	95
52) Toluene	10.176	92	32463	13.805	ug/l	99
67) Ethyl Benzene	11.524	91	123339	28.302	ug/l	100
68) m/p-Xylenes	11.627	106	124384	76.294	ug/l	97
69) o-Xylene	11.957	106	66621	43.830	ug/l	92
73) Isopropylbenzene	12.261	105	55567	17.443	ug/l	98
78) n-propylbenzene	12.597	91	144374	38.046	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	108365	41.957	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	408713	161.844	ug/l	99
85) sec-Butylbenzene	13.182	105	67439	19.956	ug/l	86
86) p-Isopropyltoluene	13.298	119	32816	11.690	ug/l	98
89) n-Butylbenzene	13.621	91	50885	19.870	ug/l #	78
95) Naphthalene	15.151	128	26583	24.230	ug/l #	85

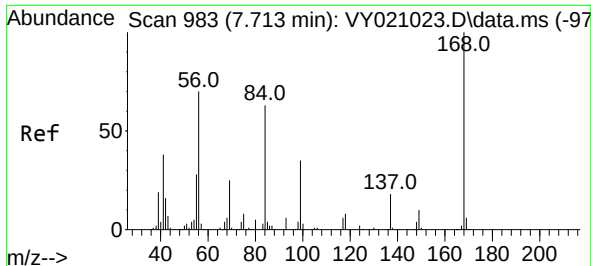
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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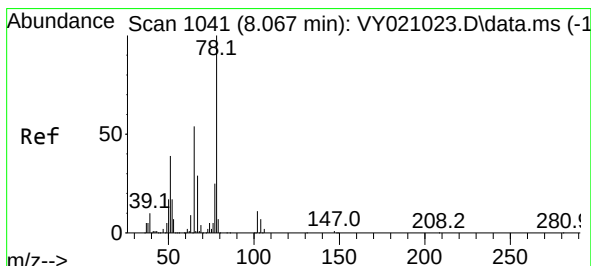
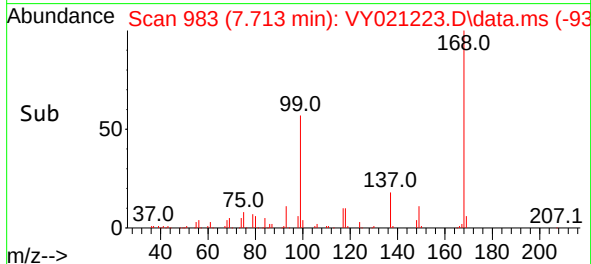
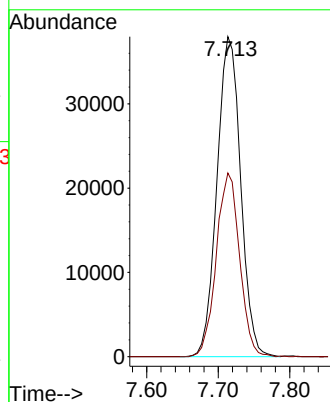
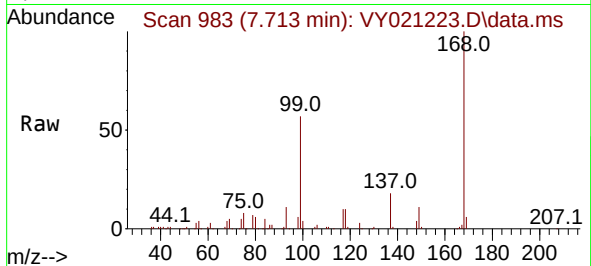




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY021223.D
Acq: 17 Feb 2025 15:38

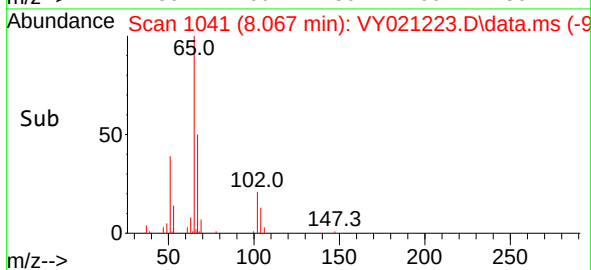
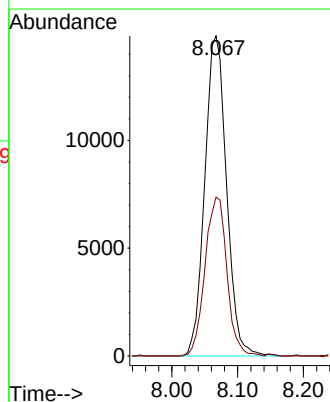
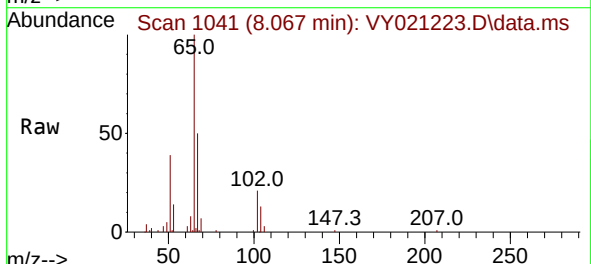
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-021425

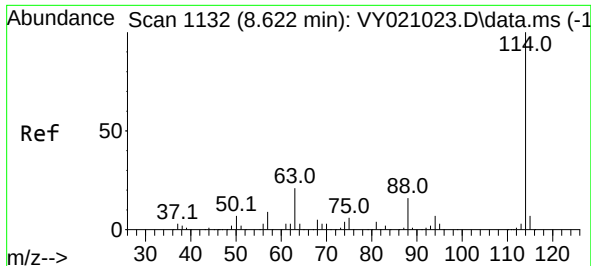
Tgt Ion:168 Resp: 87463
Ion Ratio Lower Upper
168 100
99 57.4 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 38.135 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021223.D
Acq: 17 Feb 2025 15:38

Tgt Ion: 65 Resp: 34174
Ion Ratio Lower Upper
65 100
67 49.9 0.0 109.0

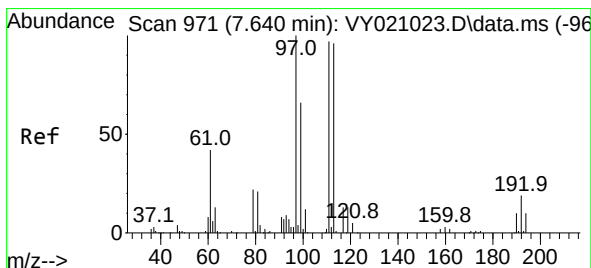
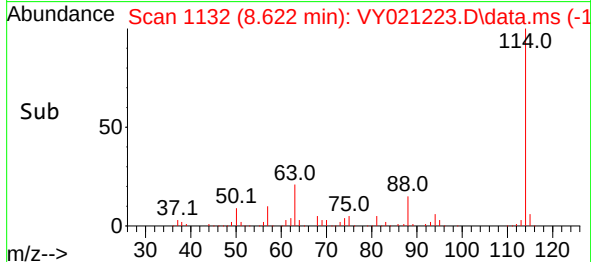
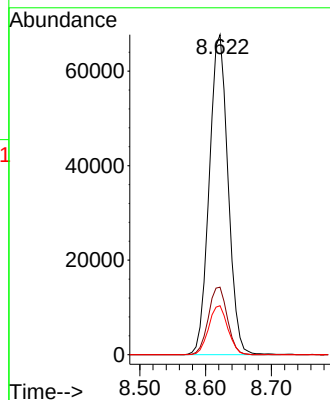
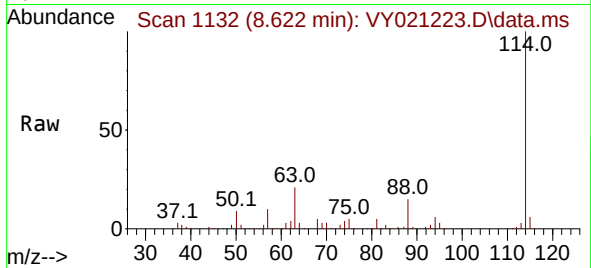




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021223.D
Acq: 17 Feb 2025 15:38

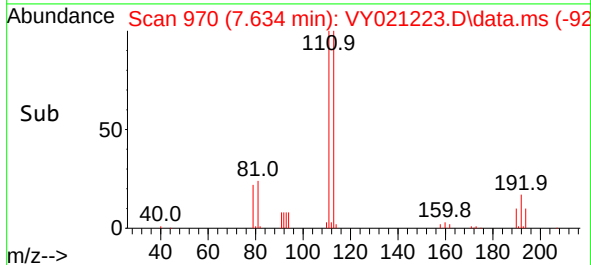
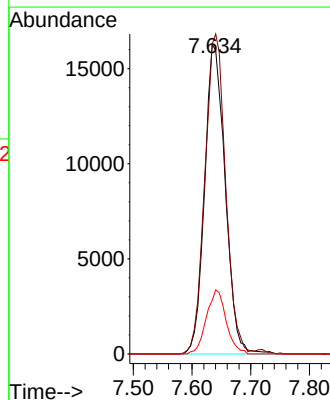
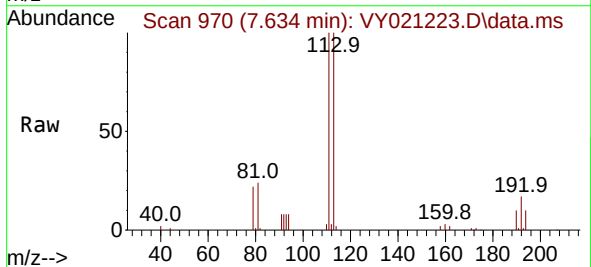
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-021425

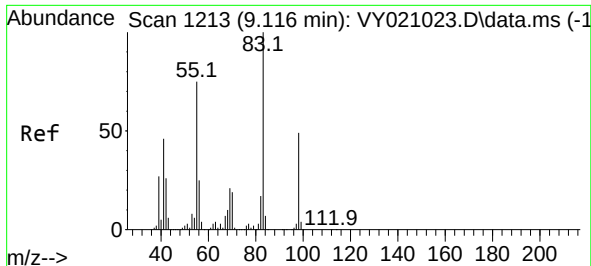
Tgt Ion:114 Resp: 134437
Ion Ratio Lower Upper
114 100
63 21.1 0.0 37.4
88 15.3 0.0 29.0



#35
Dibromofluoromethane
Concen: 45.863 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021223.D
Acq: 17 Feb 2025 15:38

Tgt Ion:113 Resp: 39514
Ion Ratio Lower Upper
113 100
111 104.4 83.8 125.6
192 19.9 14.5 21.7

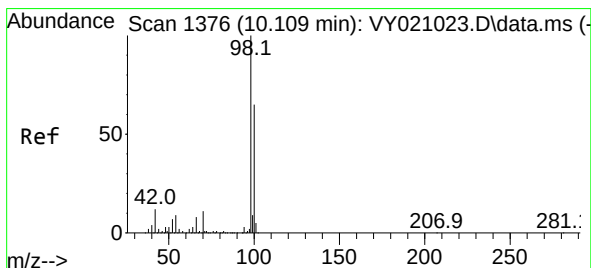
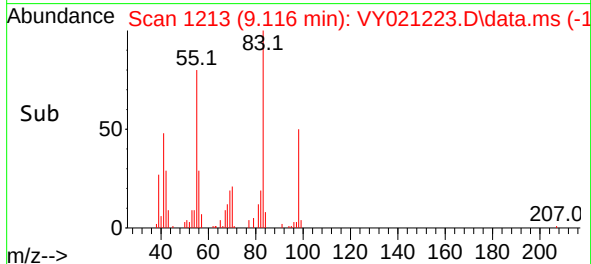
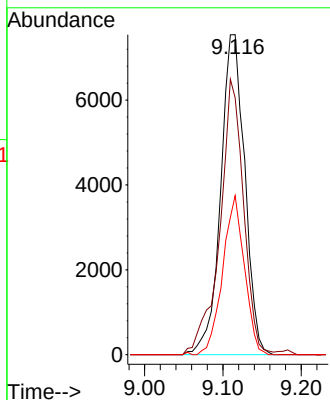
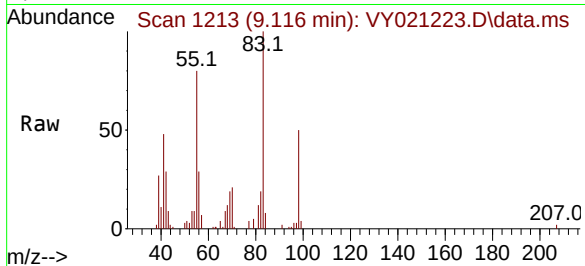




#39
Methylcyclohexane
Concen: 10.342 ug/l
RT: 9.116 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021223.D
Acq: 17 Feb 2025 15:38

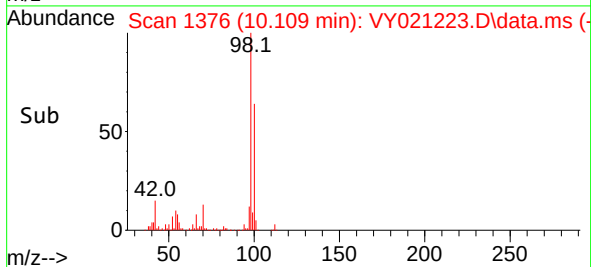
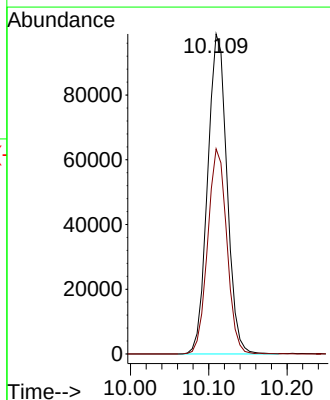
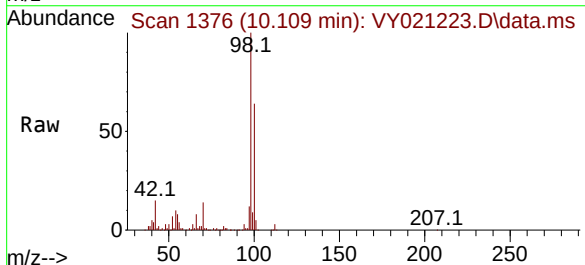
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-021425

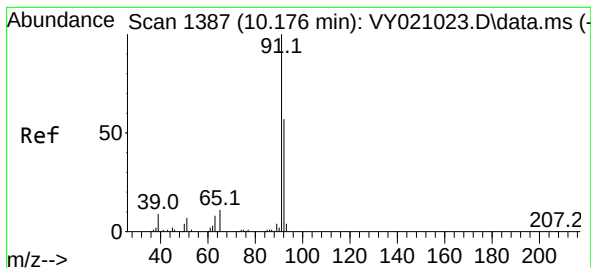
Tgt Ion: 83 Resp: 16143
Ion Ratio Lower Upper
83 100
55 80.2 59.7 89.5
98 49.7 38.0 57.0



#50
Toluene-d8
Concen: 51.629 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021223.D
Acq: 17 Feb 2025 15:38

Tgt Ion: 98 Resp: 169343
Ion Ratio Lower Upper
98 100
100 63.4 52.3 78.5





#52

Toluene

Concen: 13.805 ug/l

RT: 10.176 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021223.D

Acq: 17 Feb 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

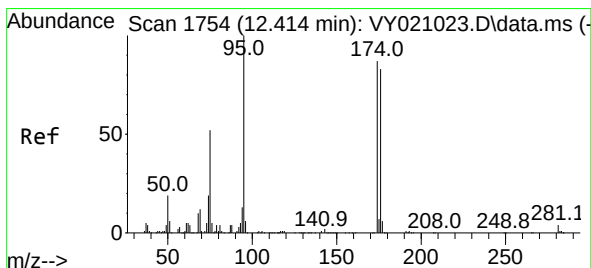
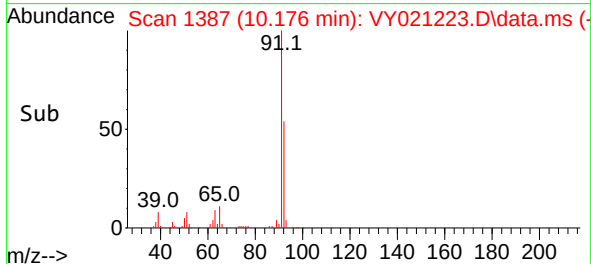
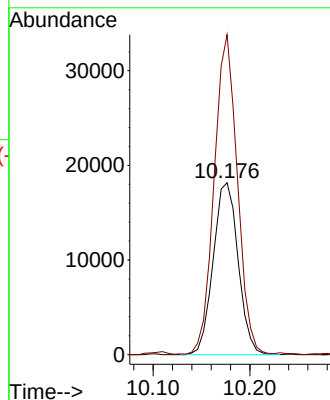
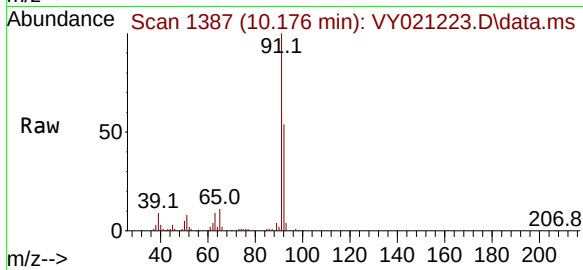
AU-05-021425

Tgt Ion: 92 Resp: 32463

Ion Ratio Lower Upper

92 100

91 172.7 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 42.439 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY021223.D

Acq: 17 Feb 2025 15:38

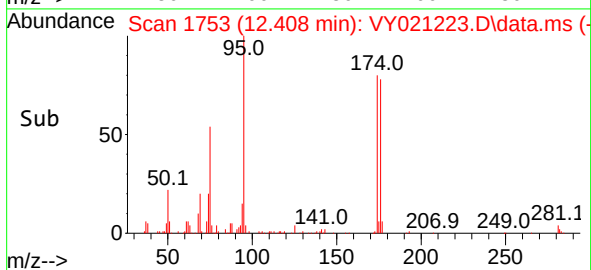
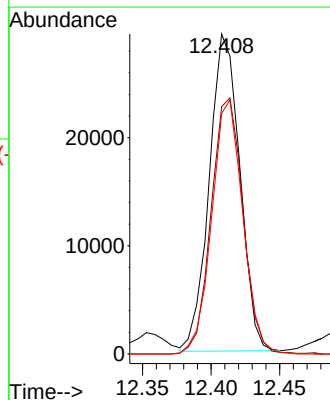
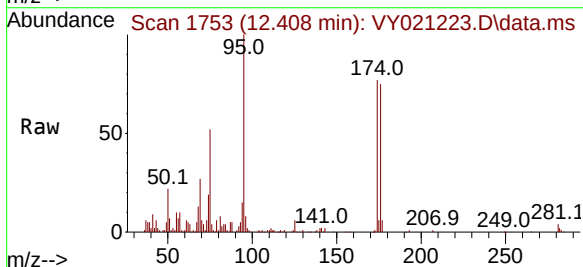
Tgt Ion: 95 Resp: 45476

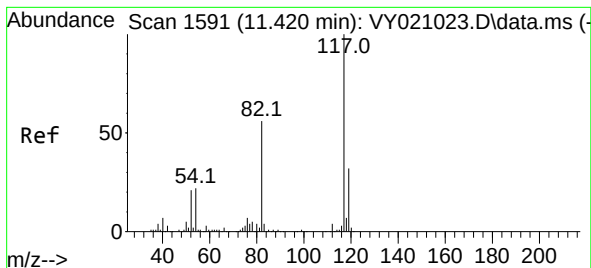
Ion Ratio Lower Upper

95 100

174 84.1 0.0 160.0

176 81.3 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021223.D

Acq: 17 Feb 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-021425

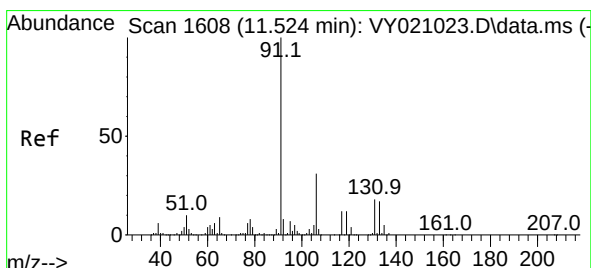
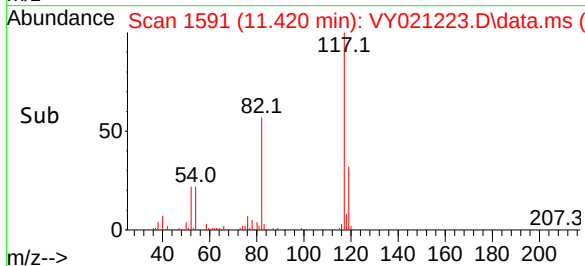
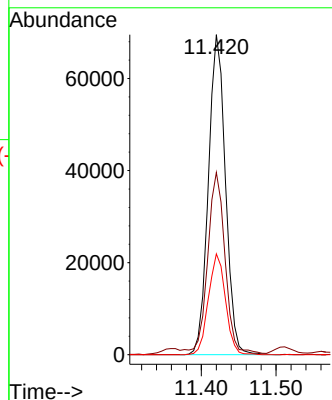
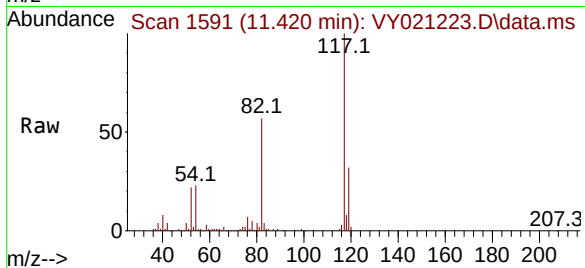
Tgt Ion:117 Resp: 110655

Ion Ratio Lower Upper

117 100

82 55.6 43.8 65.8

119 31.5 26.5 39.7



#67

Ethyl Benzene

Concen: 28.302 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. -0.000 min

Lab File: VY021223.D

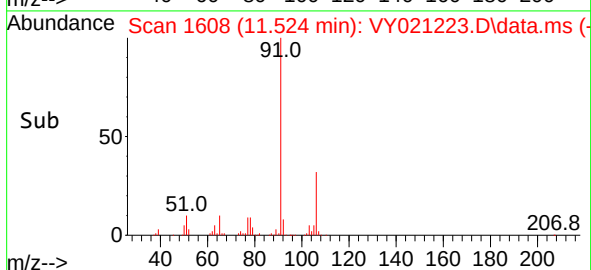
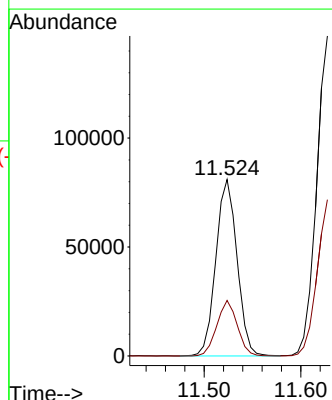
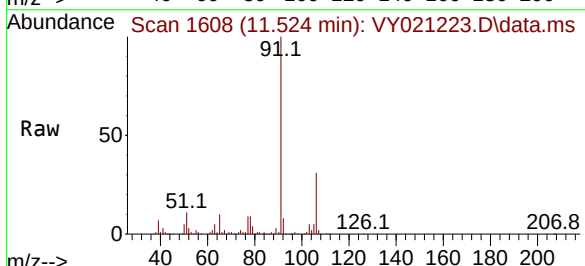
Acq: 17 Feb 2025 15:38

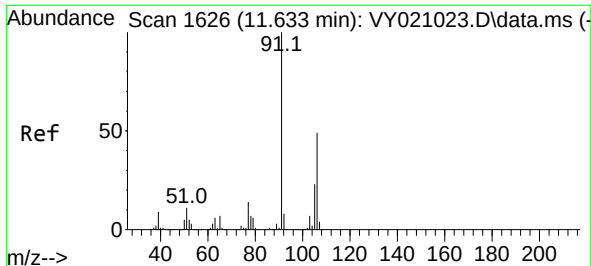
Tgt Ion: 91 Resp: 123339

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.4

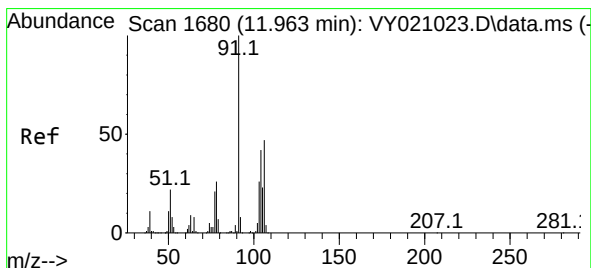
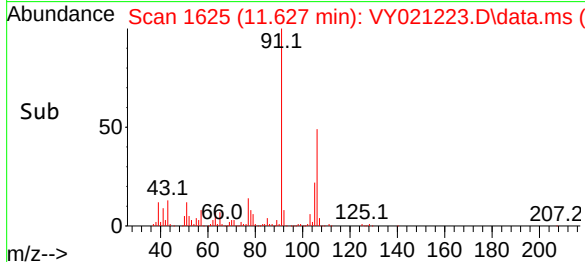
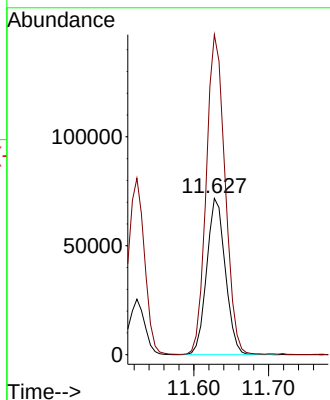
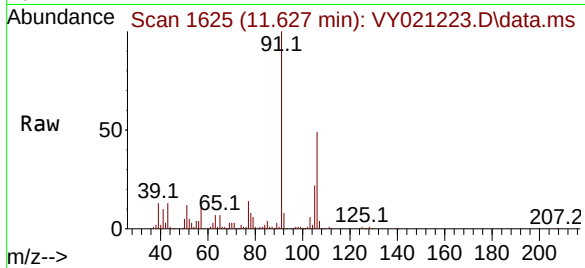




#68
m/p-Xylenes
Concen: 76.294 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021223.D
Acq: 17 Feb 2025 15:38

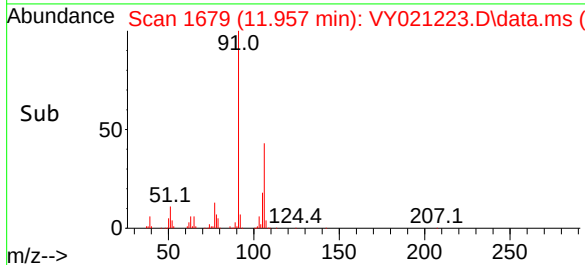
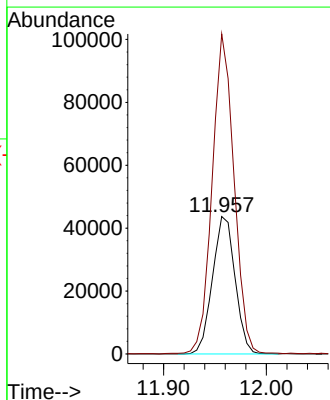
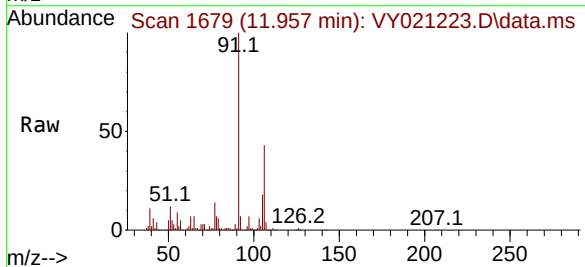
Instrument :
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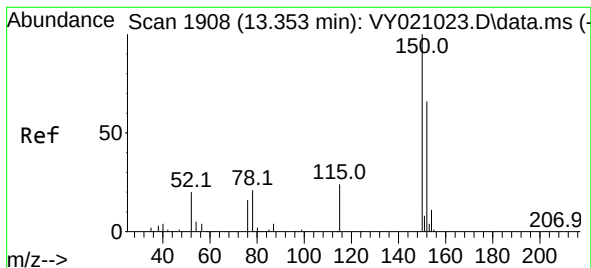
Tgt Ion:106 Resp: 124384
Ion Ratio Lower Upper
106 100
91 206.1 160.7 241.1



#69
o-Xylene
Concen: 43.830 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. -0.006 min
Lab File: VY021223.D
Acq: 17 Feb 2025 15:38

Tgt Ion:106 Resp: 66621
Ion Ratio Lower Upper
106 100
91 225.8 106.5 319.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021223.D

Acq: 17 Feb 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-021425

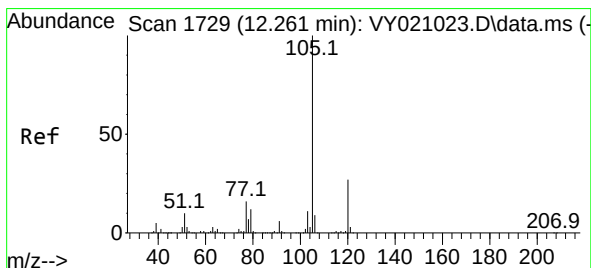
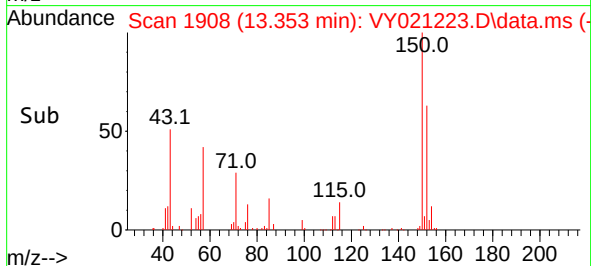
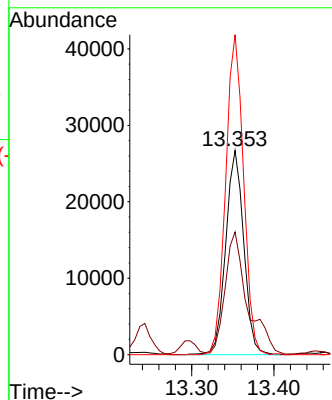
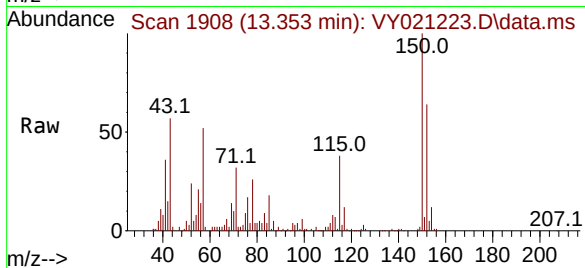
Tgt Ion:152 Resp: 40781

Ion Ratio Lower Upper

152 100

115 73.5 30.0 90.0

150 155.6 0.0 344.6



#73

Isopropylbenzene

Concen: 17.443 ug/l

RT: 12.261 min Scan# 1729

Delta R.T. -0.000 min

Lab File: VY021223.D

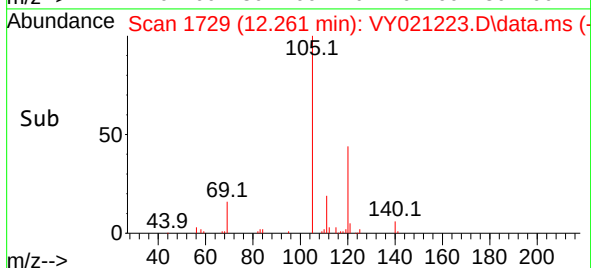
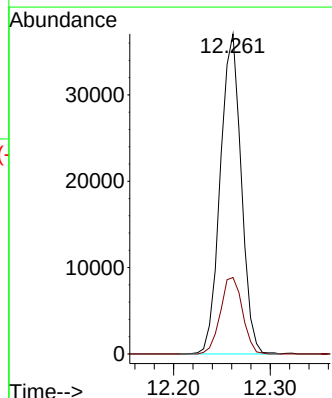
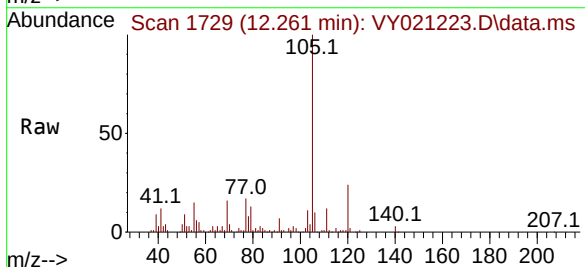
Acq: 17 Feb 2025 15:38

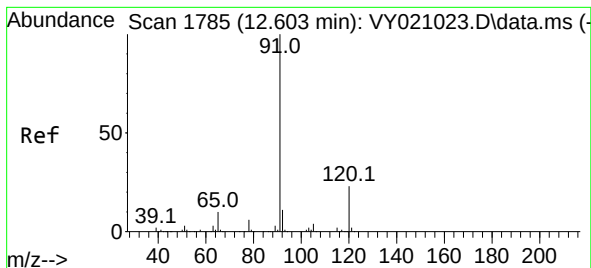
Tgt Ion:105 Resp: 55567

Ion Ratio Lower Upper

105 100

120 25.2 13.0 39.0





#78

n-propylbenzene

Concen: 38.046 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VY021223.D

Acq: 17 Feb 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

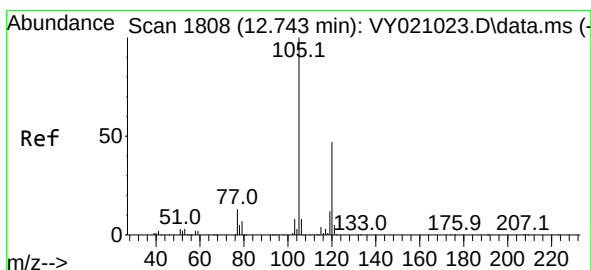
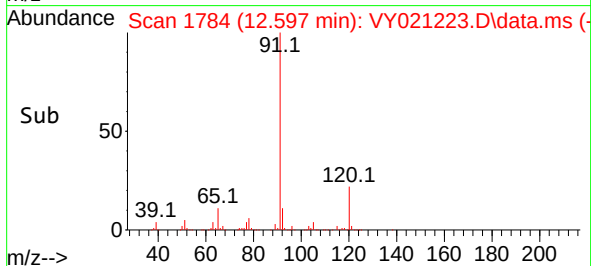
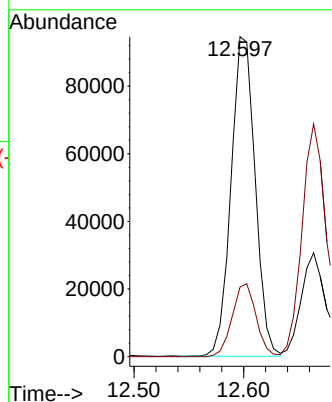
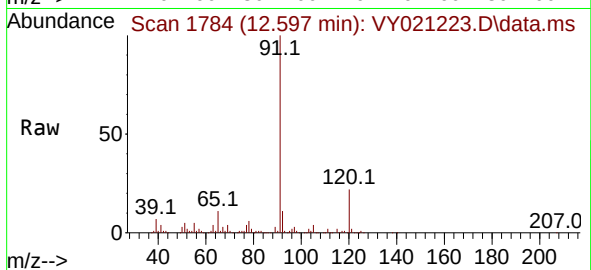
AU-05-021425

Tgt Ion: 91 Resp: 144374

Ion Ratio Lower Upper

91 100

120 22.7 11.0 33.0



#80

1,3,5-Trimethylbenzene

Concen: 41.957 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VY021223.D

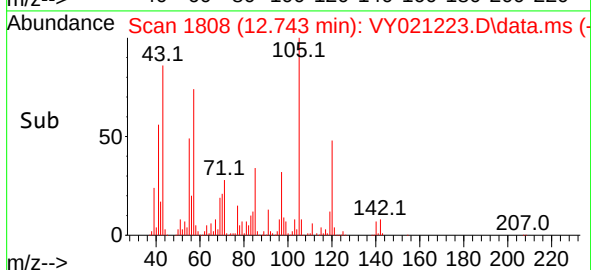
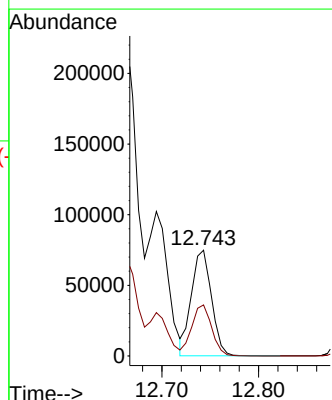
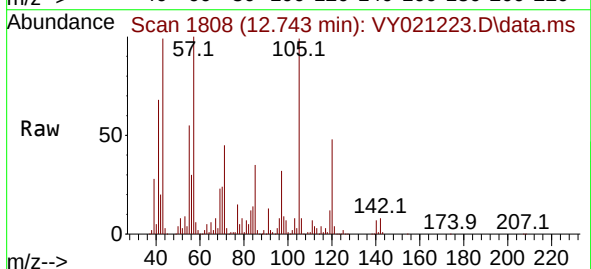
Acq: 17 Feb 2025 15:38

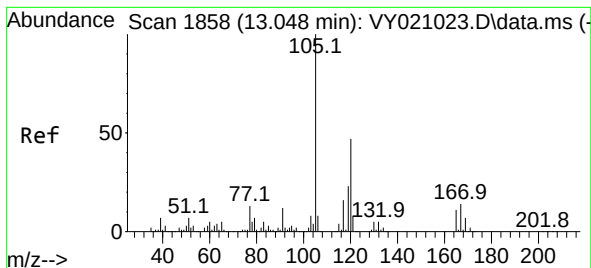
Tgt Ion:105 Resp: 108365

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 161.844 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VY021223.D

Acq: 17 Feb 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

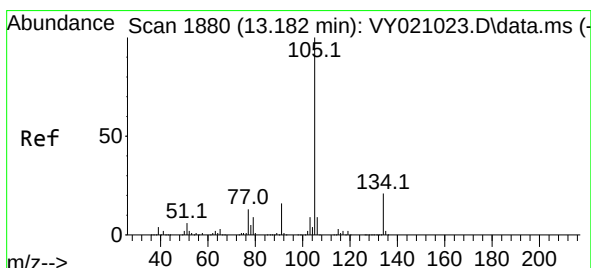
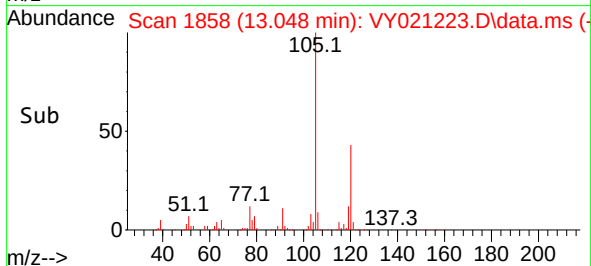
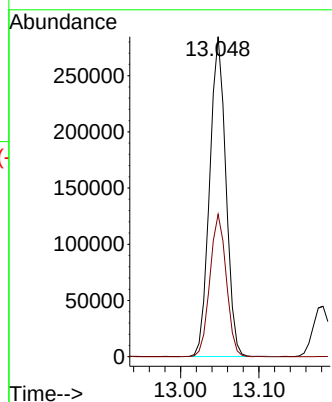
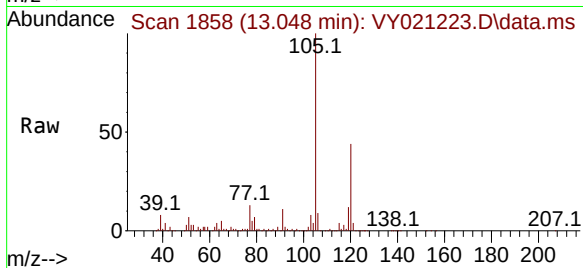
AU-05-021425

Tgt Ion:105 Resp: 408713

Ion Ratio Lower Upper

105 100

120 44.8 22.1 66.3



#85

sec-Butylbenzene

Concen: 19.956 ug/l

RT: 13.182 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VY021223.D

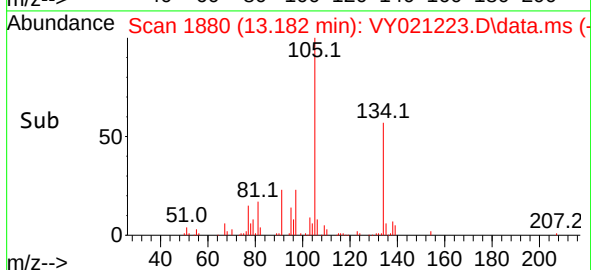
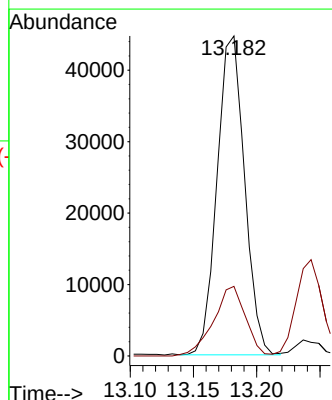
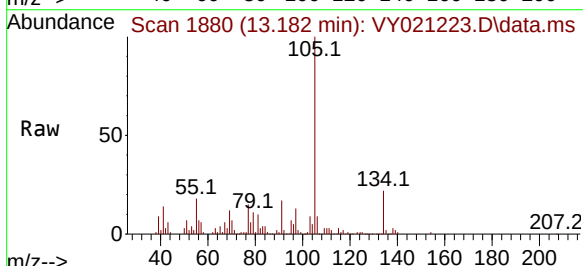
Acq: 17 Feb 2025 15:38

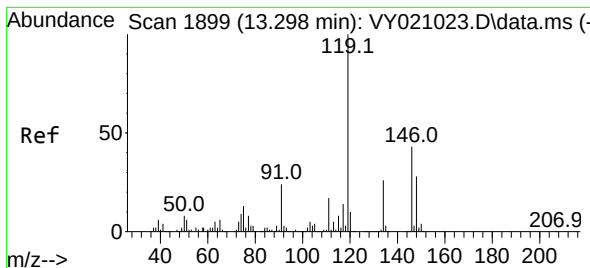
Tgt Ion:105 Resp: 67439

Ion Ratio Lower Upper

105 100

134 25.4 9.7 28.9





#86

p-Isopropyltoluene

Concen: 11.690 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VY021223.D

Acq: 17 Feb 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-021425

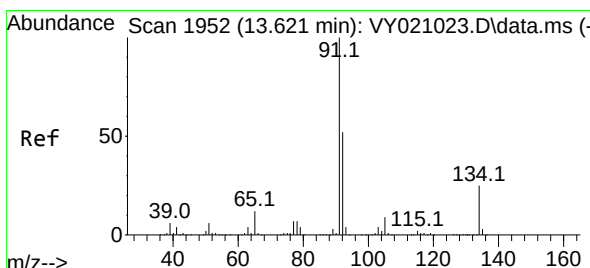
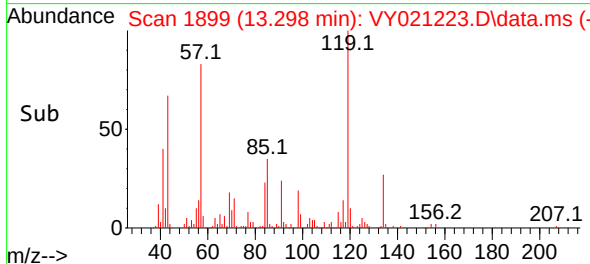
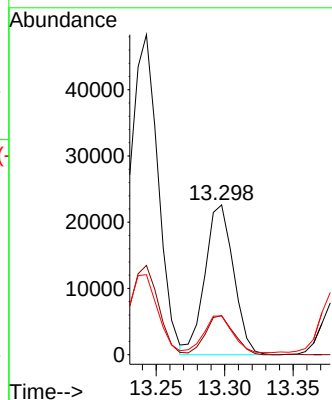
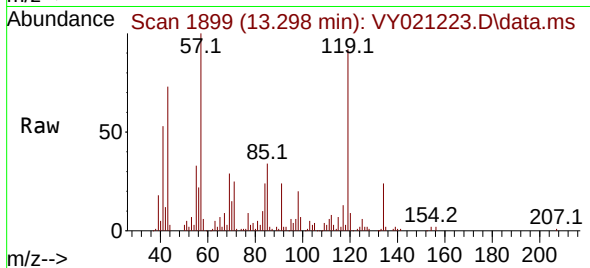
Tgt Ion:119 Resp: 32816

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.1

91 24.5 11.7 35.0



#89

n-Butylbenzene

Concen: 19.870 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VY021223.D

Acq: 17 Feb 2025 15:38

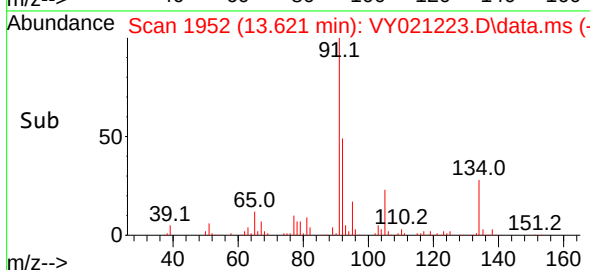
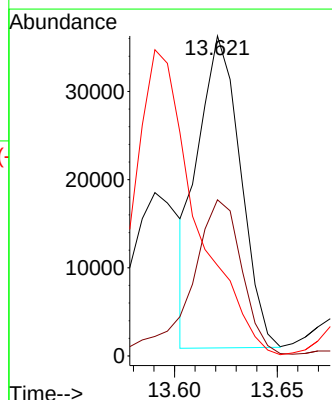
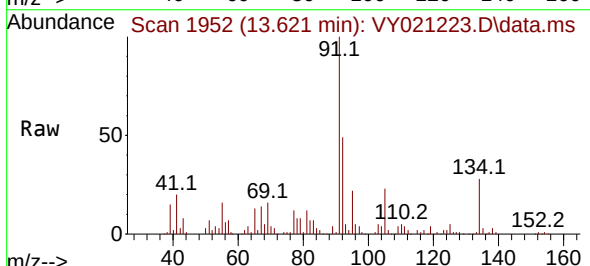
Tgt Ion: 91 Resp: 50885

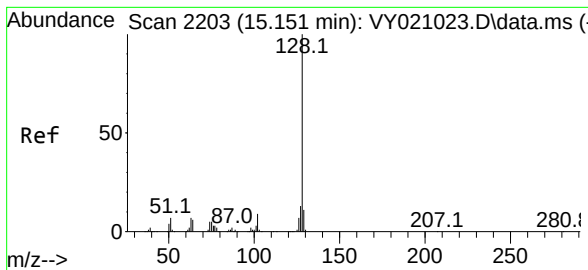
Ion Ratio Lower Upper

91 100

92 59.4 26.4 79.2

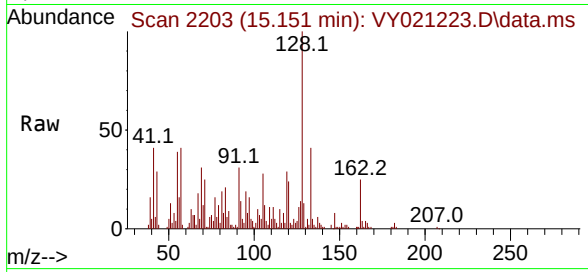
134 0.0 12.3 36.8#





#95
Naphthalene
Concen: 24.230 ug/l
RT: 15.151 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021223.D
Acq: 17 Feb 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
AU-05-021425



Tgt Ion:128 Resp: 26583
Ion Ratio Lower Upper
128 100
127 17.8 10.2 15.4#
129 17.8 8.6 12.8#

