

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021984.D
 Acq On : 23 Apr 2025 20:08
 Operator : SY/MD
 Sample : Q1855-01
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2001

Quant Time: Apr 24 03:48:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

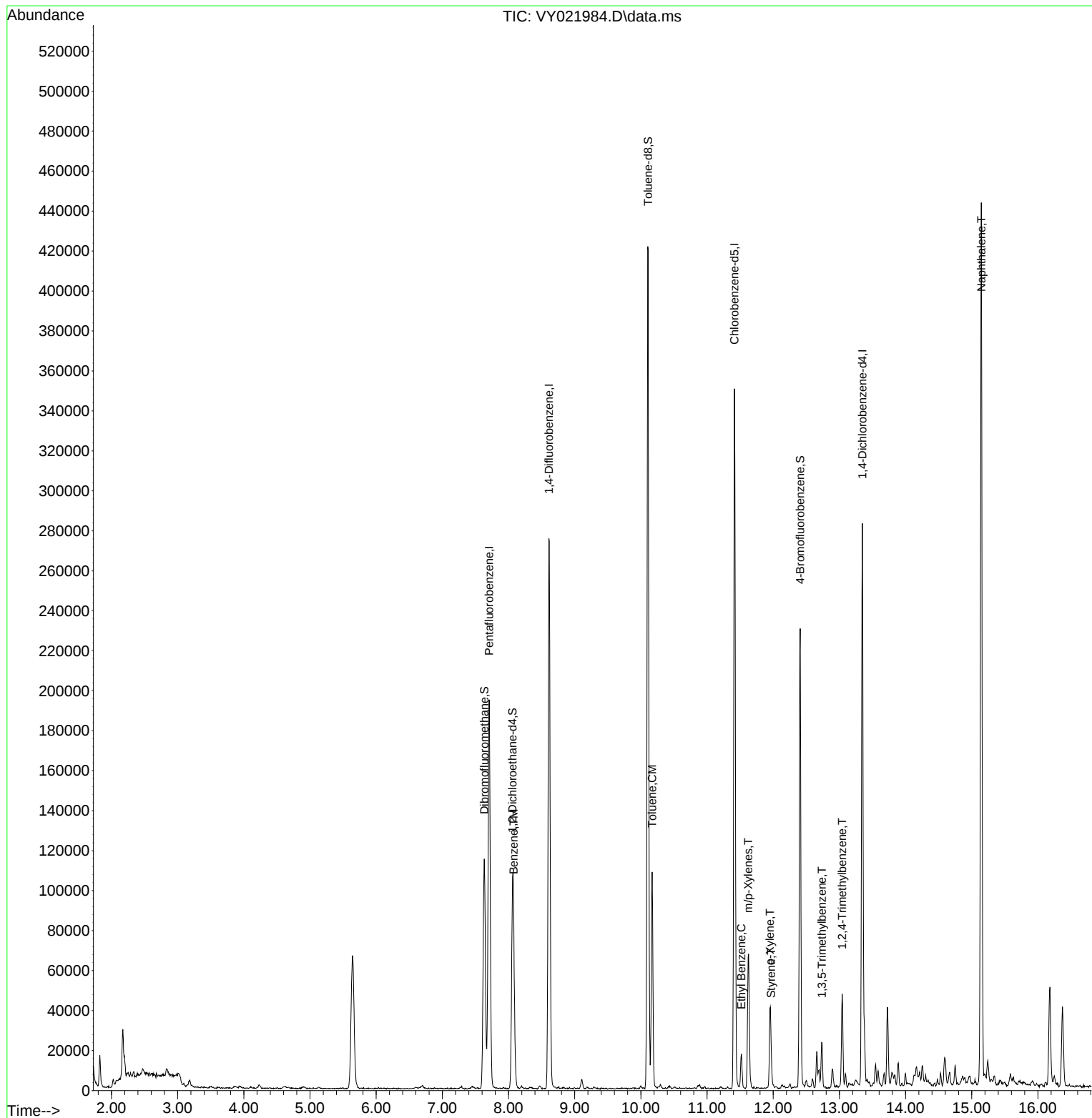
Internal Standards						
1) Pentafluorobenzene	7.707	168	148785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	249126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	199684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	73128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	64247	46.749	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.500%
35) Dibromofluoromethane	7.634	113	83861	50.953	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.900%
50) Toluene-d8	10.109	98	288740	46.534	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.060%
62) 4-Bromofluorobenzene	12.408	95	72093	34.514	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.020%
Target Compounds						Qvalue
40) Benzene	8.079	78	50540	7.313	ug/l	92
52) Toluene	10.170	92	45213	10.107	ug/l	98
67) Ethyl Benzene	11.517	91	11233	1.538	ug/l	91
68) m/p-Xylenes	11.621	106	21282	7.322	ug/l	97
69) o-Xylene	11.950	106	10090	3.766	ug/l	97
70) Styrene	11.969	104	5976	1.329	ug/l #	77
80) 1,3,5-Trimethylbenzene	12.737	105	8671	2.154	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	23667	5.878	ug/l	98
95) Naphthalene	15.145	128	353627	171.774	ug/l	100

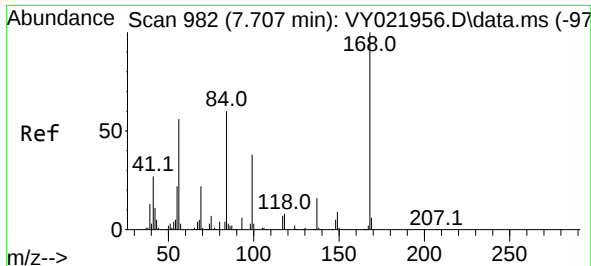
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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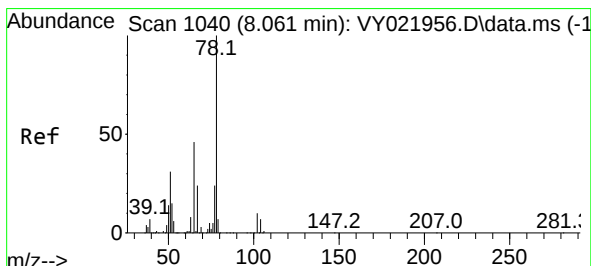
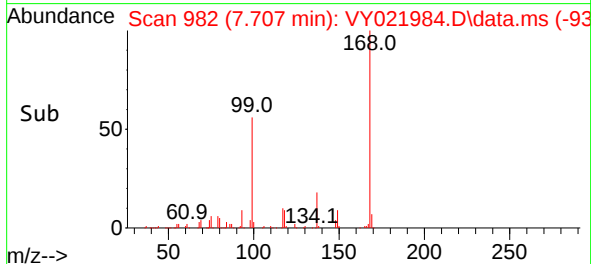
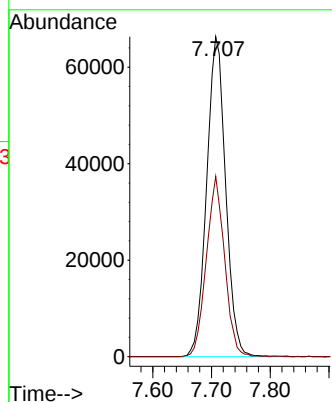
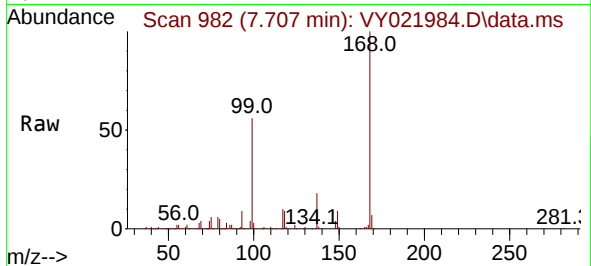




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

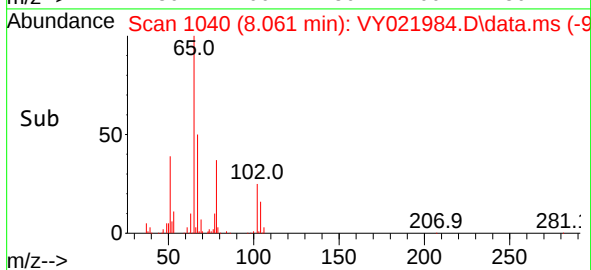
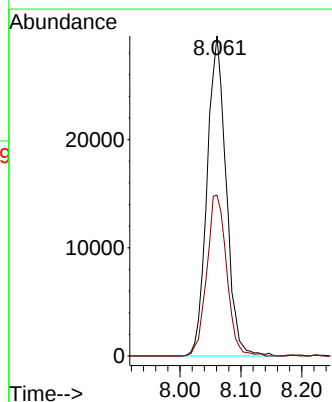
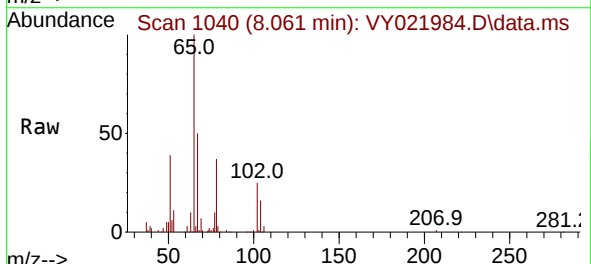
Instrument :
MSVOA_Y
ClientSampleId :
2001

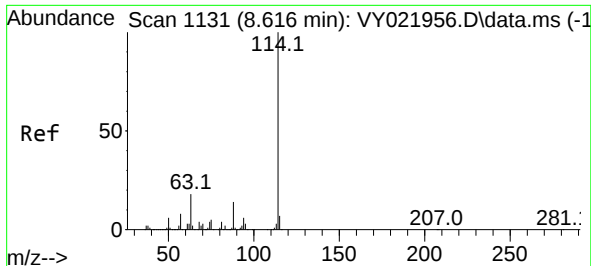
Tgt Ion:168 Resp: 148785
Ion Ratio Lower Upper
168 100
99 56.4 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 46.749 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

Tgt Ion: 65 Resp: 64247
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY021984.D

Acq: 23 Apr 2025 20:08

Instrument :

MSVOA_Y

ClientSampleId :

2001

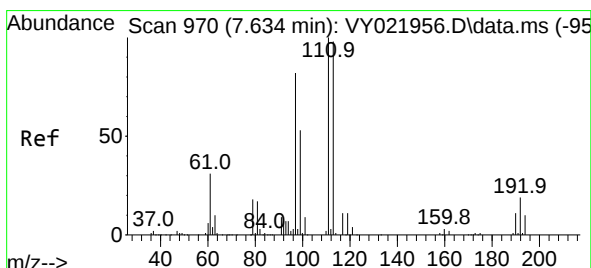
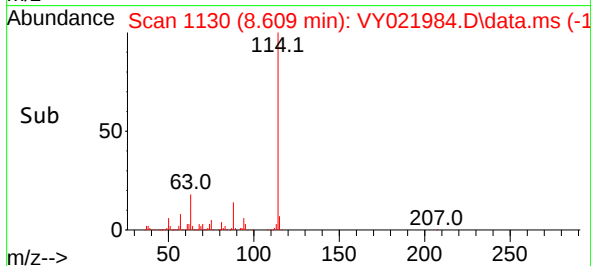
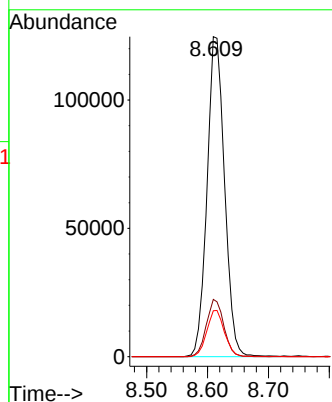
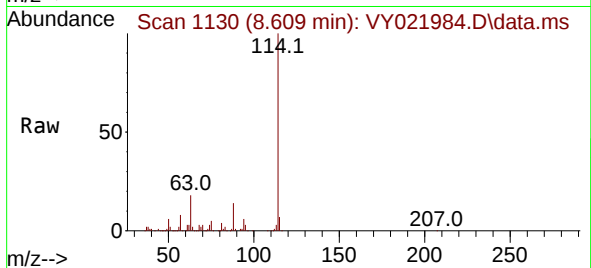
Tgt Ion:114 Resp: 249126

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.953 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021984.D

Acq: 23 Apr 2025 20:08

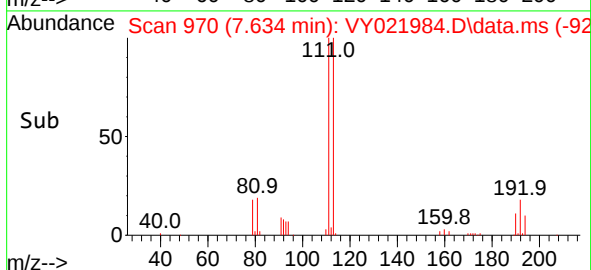
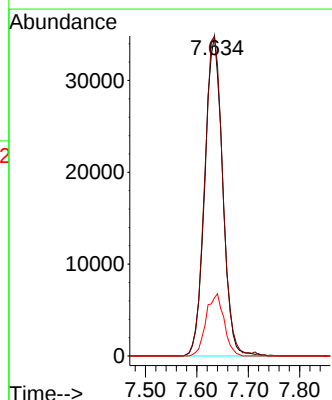
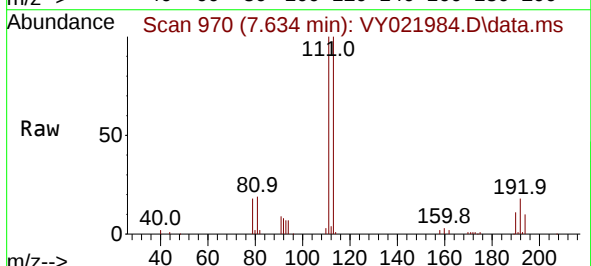
Tgt Ion:113 Resp: 83861

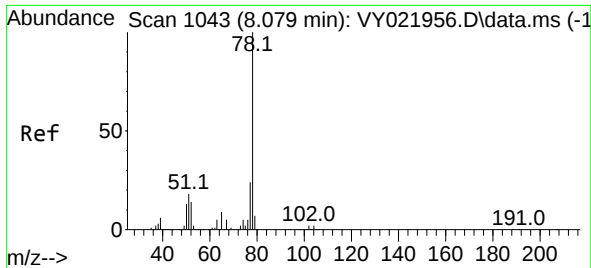
Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

192 19.6 15.6 23.4

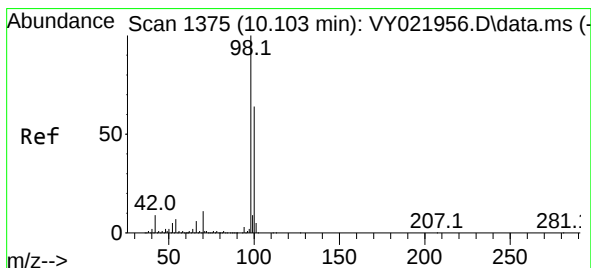
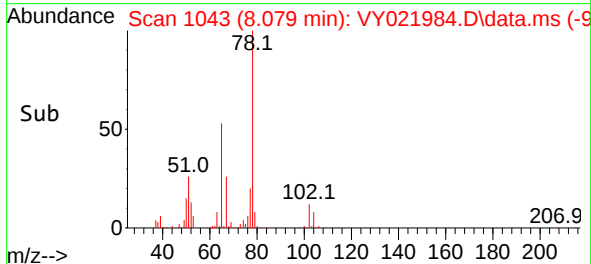
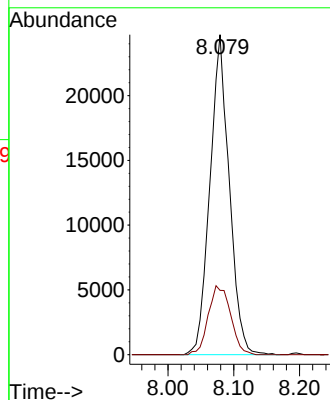
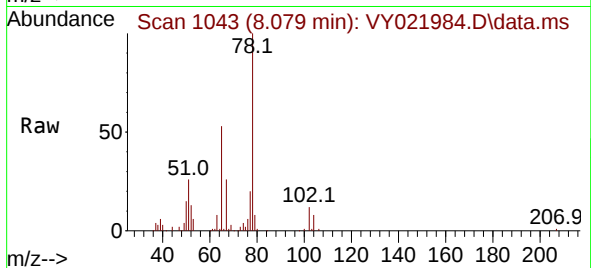




#40
Benzene
Concen: 7.313 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

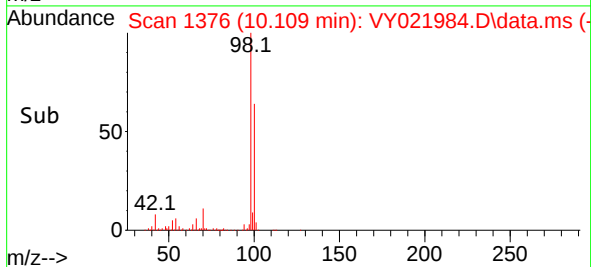
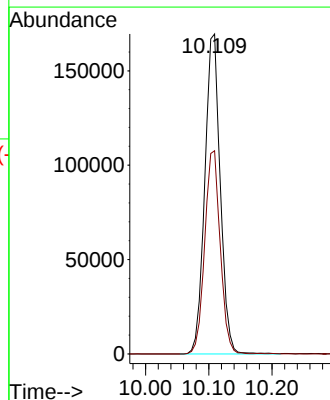
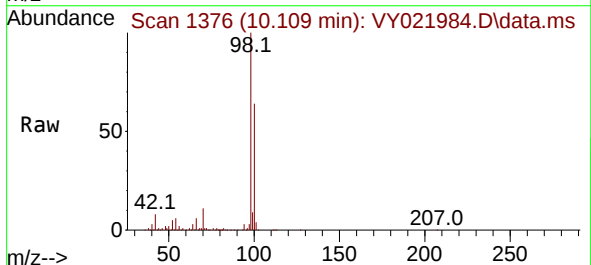
Instrument :
MSVOA_Y
ClientSampleId :
2001

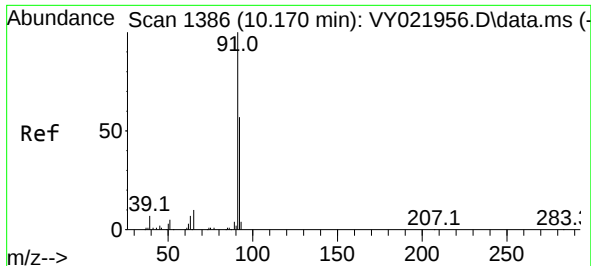
Tgt Ion: 78 Resp: 50540
Ion Ratio Lower Upper
78 100
77 20.1 19.3 28.9



#50
Toluene-d8
Concen: 46.534 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

Tgt Ion: 98 Resp: 288740
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4

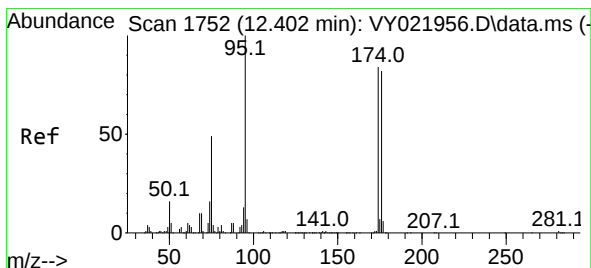
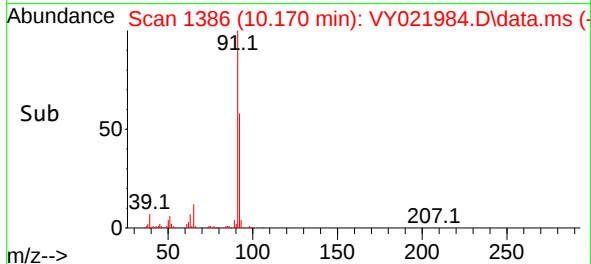
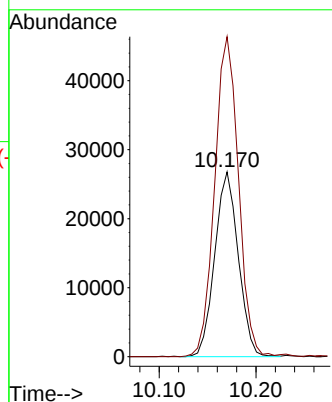
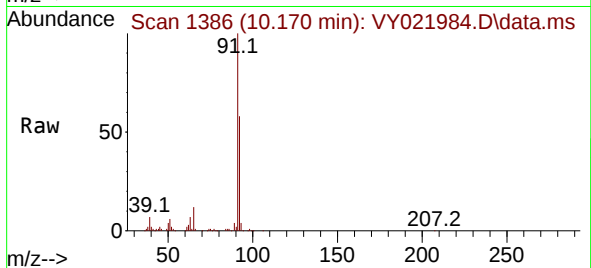




#52
Toluene
Concen: 10.107 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

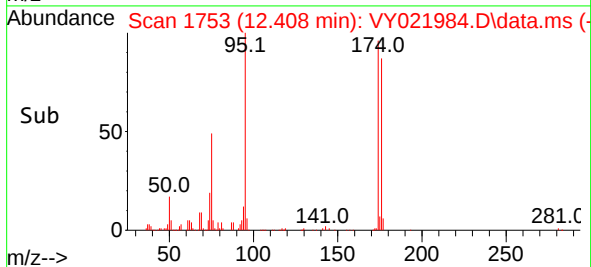
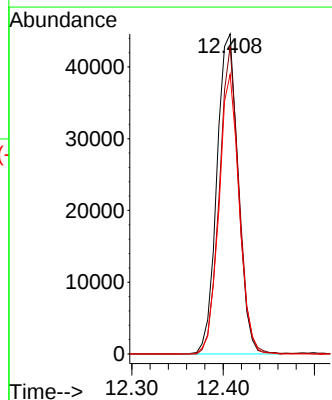
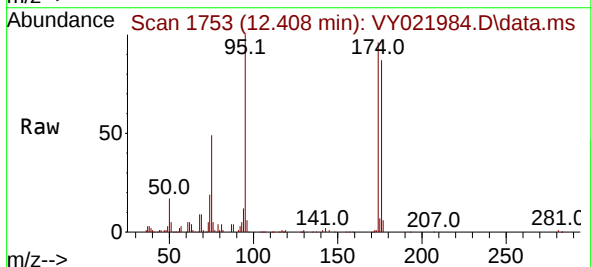
Instrument :
MSVOA_Y
ClientSampleId :
2001

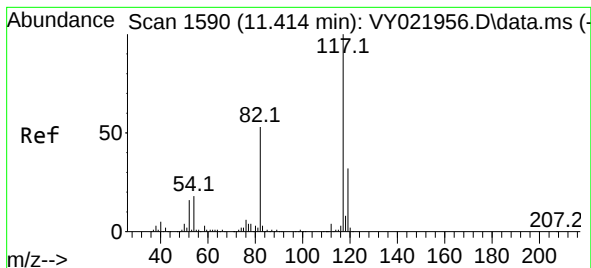
Tgt Ion: 92 Resp: 45213
Ion Ratio Lower Upper
92 100
91 175.5 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 34.514 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

Tgt Ion: 95 Resp: 72093
Ion Ratio Lower Upper
95 100
174 89.0 0.0 179.0
176 83.2 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.000 min

Lab File: VY021984.D

Acq: 23 Apr 2025 20:08

Instrument :

MSVOA_Y

ClientSampleId :

2001

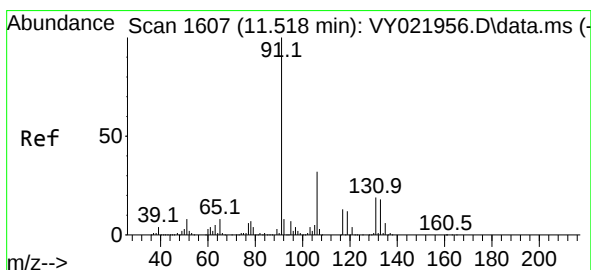
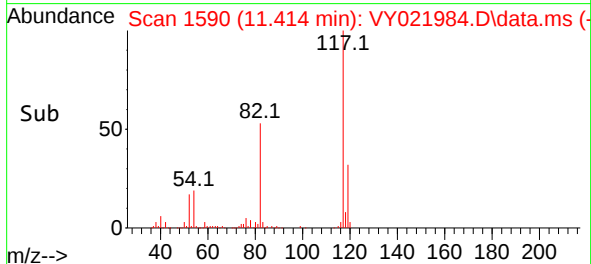
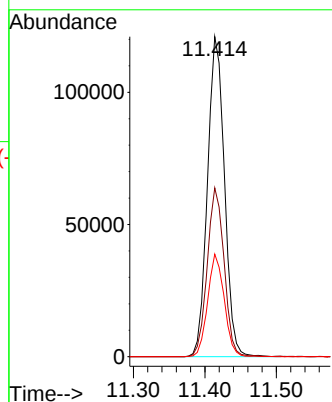
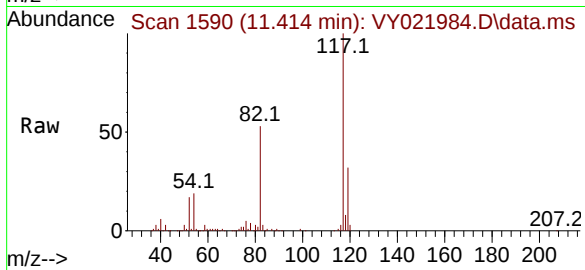
Tgt Ion:117 Resp: 199684

Ion Ratio Lower Upper

117 100

82 52.8 42.1 63.1

119 32.1 25.7 38.5



#67

Ethyl Benzene

Concen: 1.538 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY021984.D

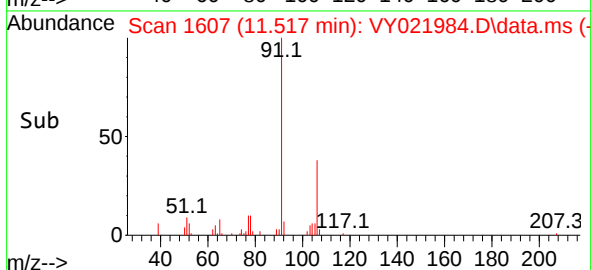
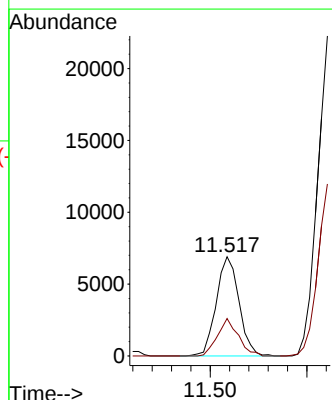
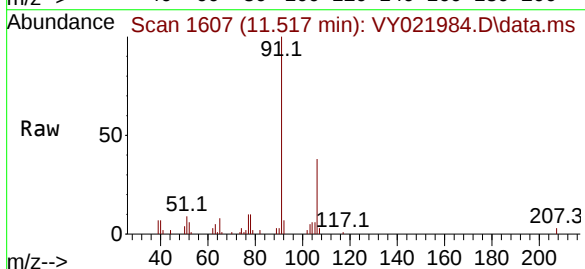
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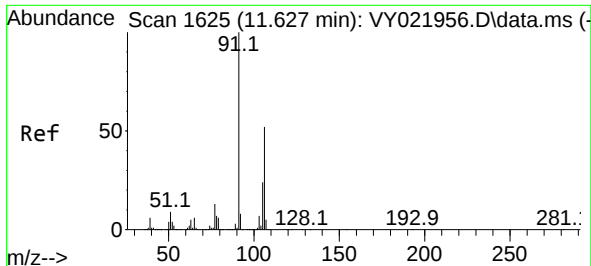
Tgt Ion: 91 Resp: 11233

Ion Ratio Lower Upper

91 100

106 37.7 25.9 38.9

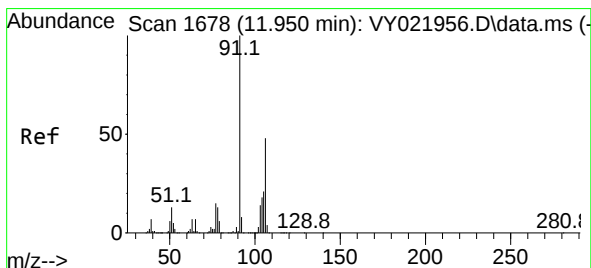
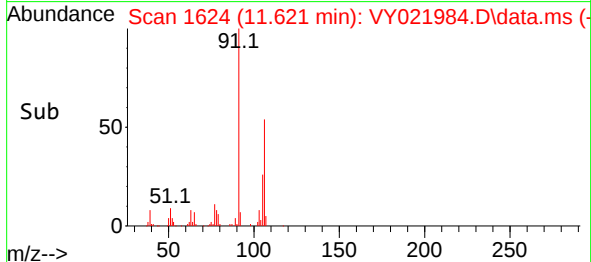
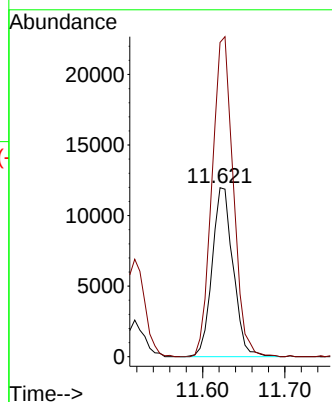
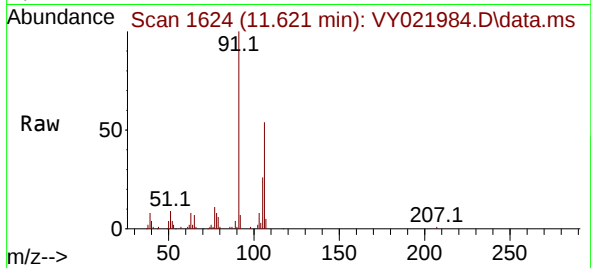




#68
m/p-Xylenes
Concen: 7.322 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

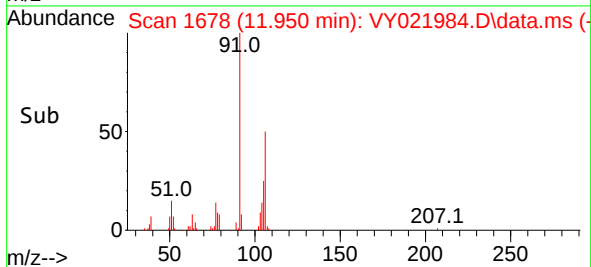
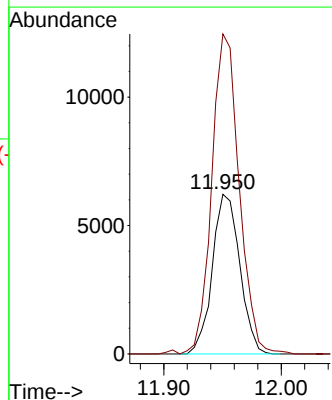
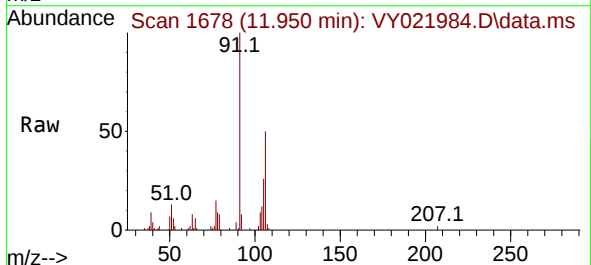
Instrument :
MSVOA_Y
ClientSampleId :
2001

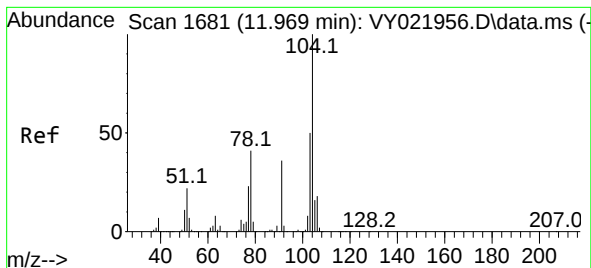
Tgt Ion:106 Resp: 21282
Ion Ratio Lower Upper
106 100
91 191.3 156.2 234.2



#69
o-Xylene
Concen: 3.766 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

Tgt Ion:106 Resp: 10090
Ion Ratio Lower Upper
106 100
91 200.8 103.0 308.9





#70

Styrene

Concen: 1.329 ug/l

RT: 11.969 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021984.D

Acq: 23 Apr 2025 20:08

Instrument :

MSVOA_Y

ClientSampleId :

2001

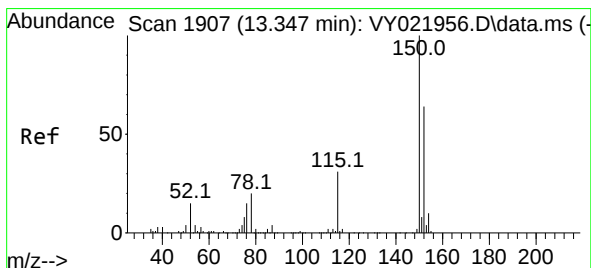
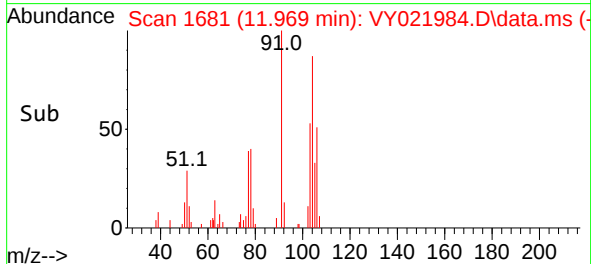
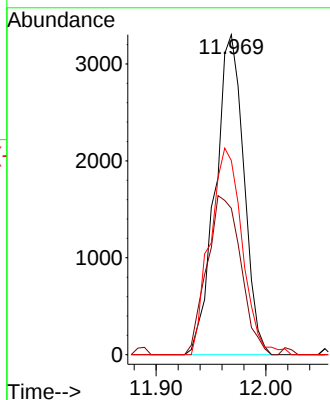
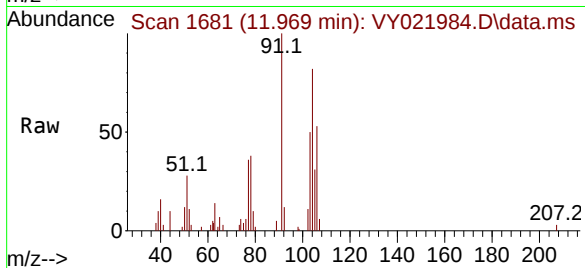
Tgt Ion:104 Resp: 5976

Ion Ratio Lower Upper

104 100

78 58.9 36.6 54.8#

103 72.9 43.8 65.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021984.D

Acq: 23 Apr 2025 20:08

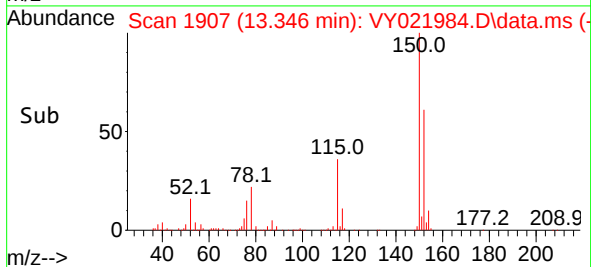
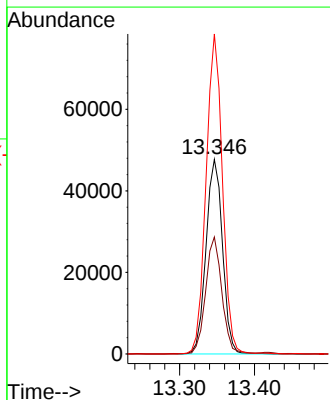
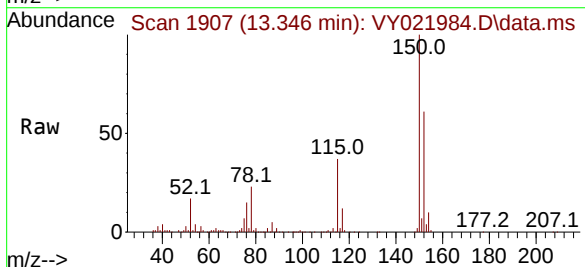
Tgt Ion:152 Resp: 73128

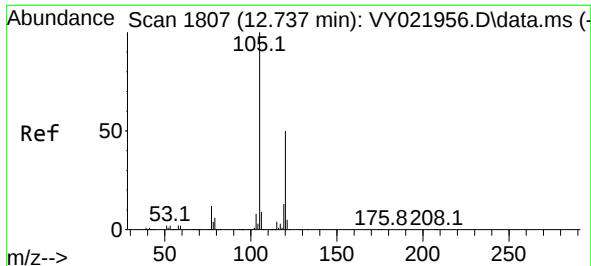
Ion Ratio Lower Upper

152 100

115 58.8 28.0 84.0

150 162.4 0.0 345.6

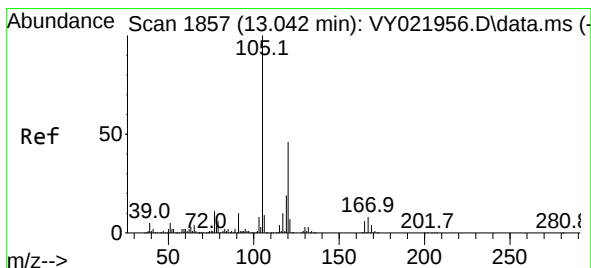
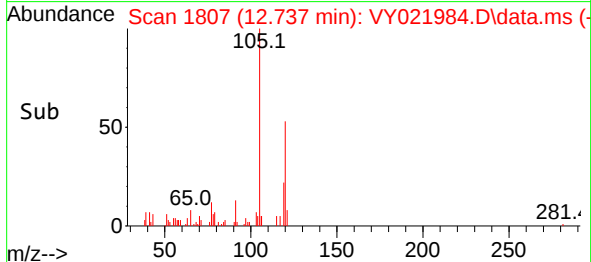
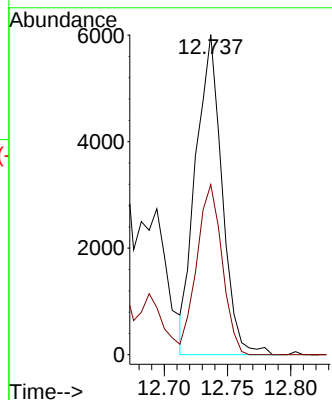
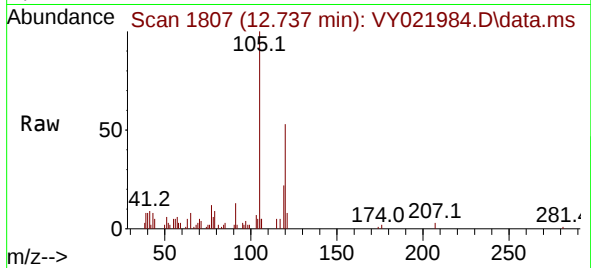




#80
 1,3,5-Trimethylbenzene
 Concen: 2.154 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. -0.000 min
 Lab File: VY021984.D
 Acq: 23 Apr 2025 20:08

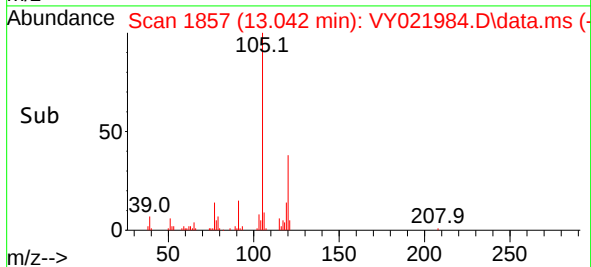
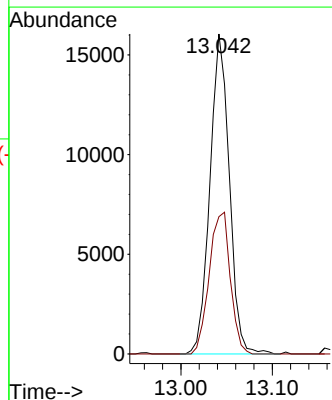
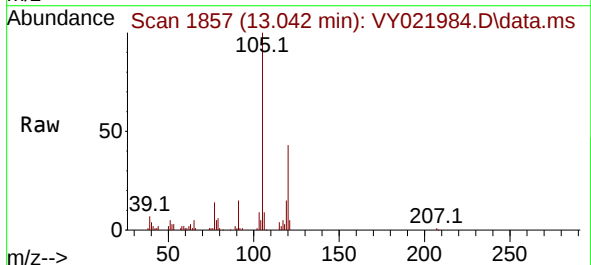
Instrument :
 MSVOA_Y
 ClientSampleId :
 2001

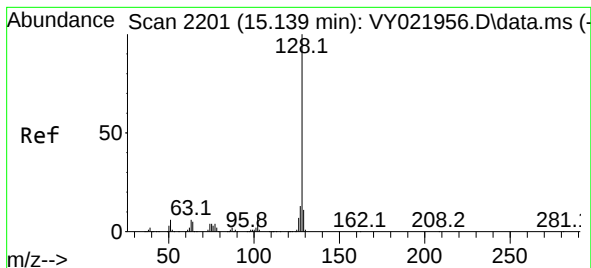
Tgt Ion:105 Resp: 8671
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.0 75.0



#84
 1,2,4-Trimethylbenzene
 Concen: 5.878 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. -0.000 min
 Lab File: VY021984.D
 Acq: 23 Apr 2025 20:08

Tgt Ion:105 Resp: 23667
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.4 70.0





#95

Naphthalene

Concen: 171.774 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY021984.D

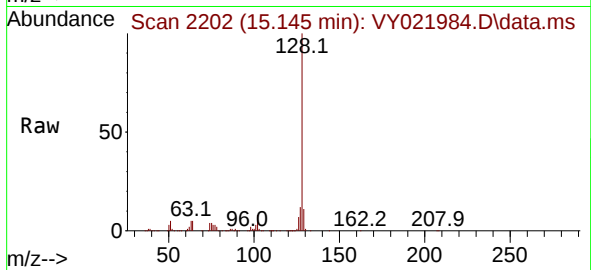
Acq: 23 Apr 2025 20:08

Instrument :

MSVOA_Y

ClientSampleId :

2001



Tgt Ion:128 Resp: 353627

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 10.9 8.9 13.3

