

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023910.D
 Acq On : 09 Dec 2025 15:53
 Operator : SY/MD
 Sample : Q3809-06
 Misc : 3.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-2

Quant Time: Dec 10 02:29:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

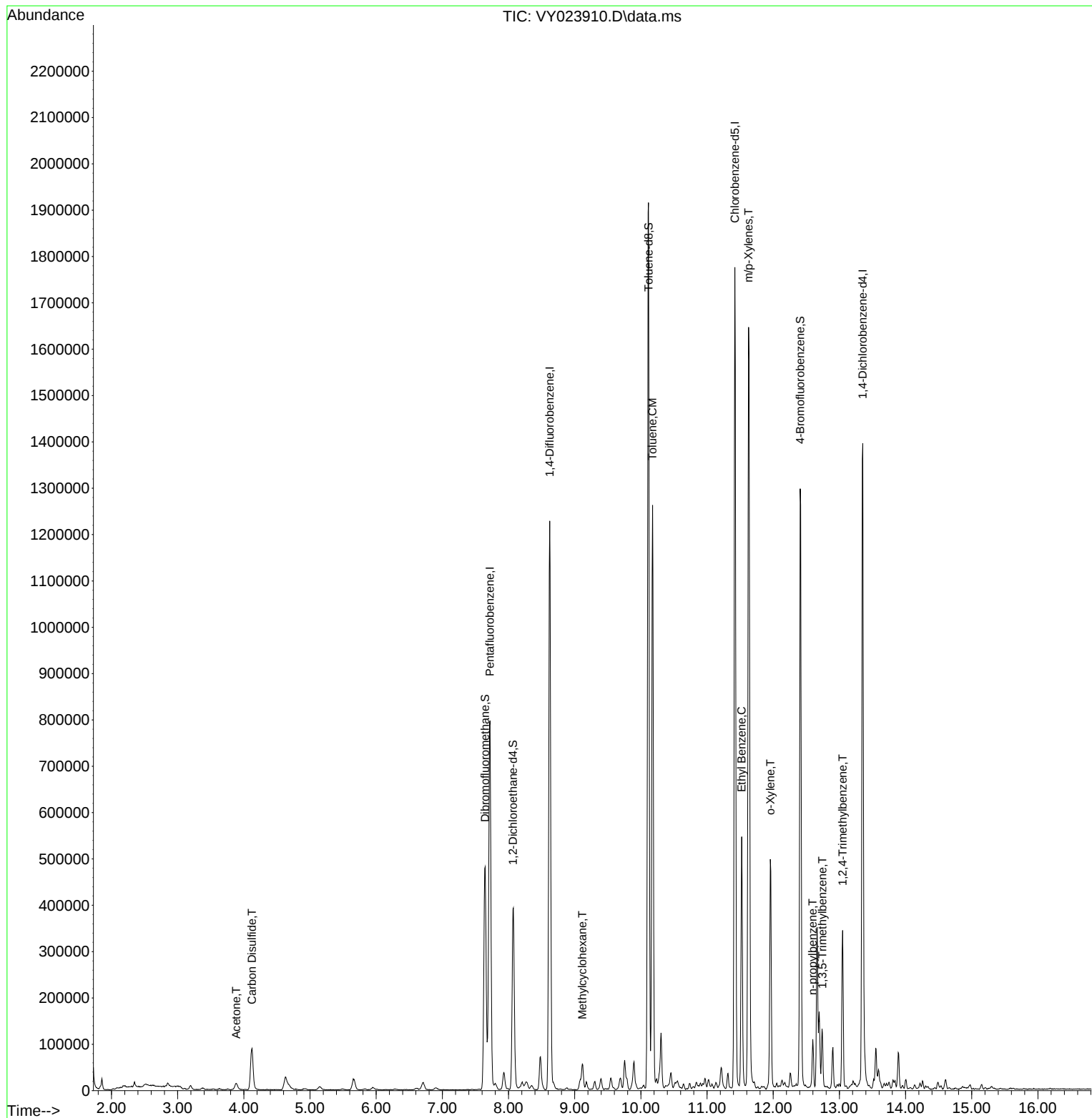
Internal Standards						
1) Pentafluorobenzene	7.719	168	660442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1118720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	968215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	396624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	311745	47.185	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.380%
35) Dibromofluoromethane	7.646	113	348014	48.503	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.000%
50) Toluene-d8	10.115	98	1285146	46.027	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.060%
62) 4-Bromofluorobenzene	12.408	95	380097	39.912	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.820%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	24488	12.369	ug/l	91
17) Carbon Disulfide	4.122	76	188200	10.011	ug/l	99
39) Methylcyclohexane	9.116	83	20820	1.512	ug/l #	90
52) Toluene	10.176	92	539168	26.923	ug/l	99
67) Ethyl Benzene	11.524	91	366959	9.605	ug/l	100
68) m/p-Xylenes	11.627	106	520599	35.651	ug/l	95
69) o-Xylene	11.956	106	136799	10.016	ug/l	96
78) n-propylbenzene	12.597	91	76042	2.156	ug/l	96
80) 1,3,5-Trimethylbenzene	12.743	105	56820	2.393	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	183311	7.793	ug/l	96

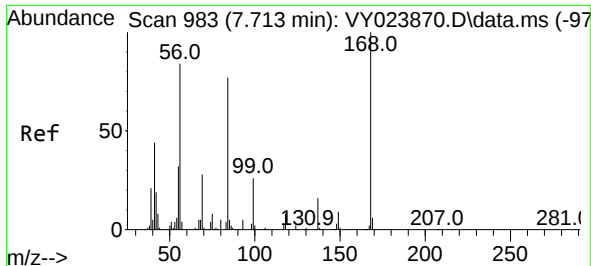
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
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Misc : 3.56g/5.0mL/MSVOA_Y/SOIL/A
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

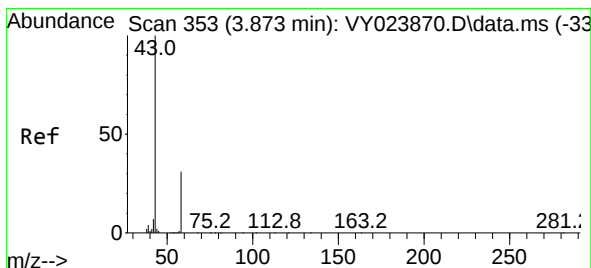
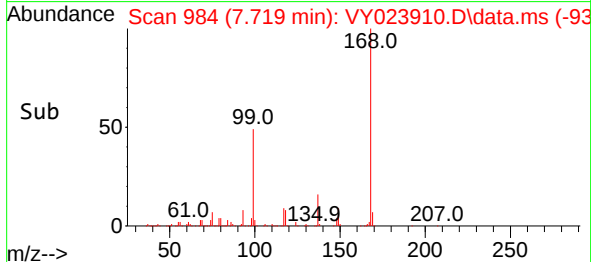
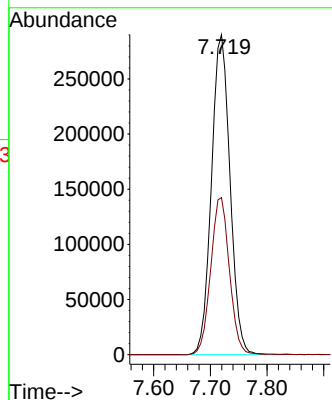
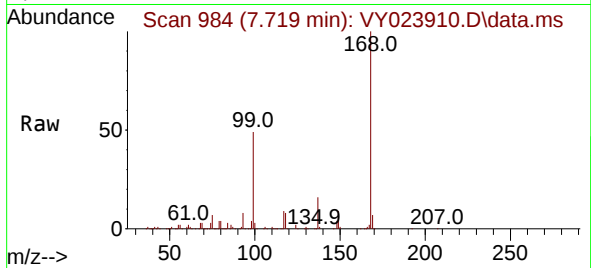




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023910.D
Acq: 09 Dec 2025 15:53

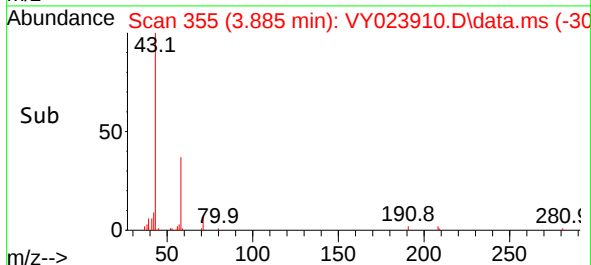
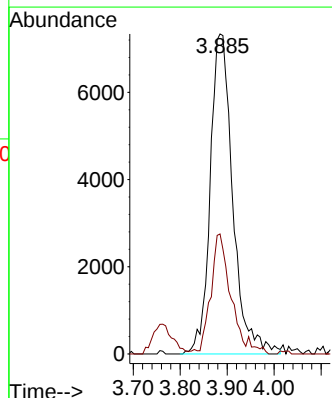
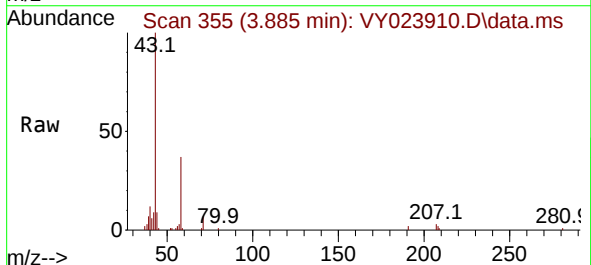
Instrument :
MSVOA_Y
ClientSampleId :
B-2

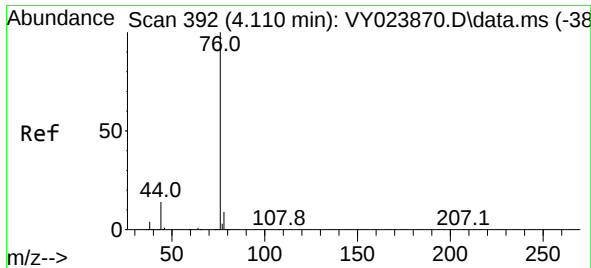
Tgt Ion:168 Resp: 660442
Ion Ratio Lower Upper
168 100
99 49.1 42.5 63.7



#16
Acetone
Concen: 12.369 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY023910.D
Acq: 09 Dec 2025 15:53

Tgt Ion: 43 Resp: 24488
Ion Ratio Lower Upper
43 100
58 36.5 25.1 37.7

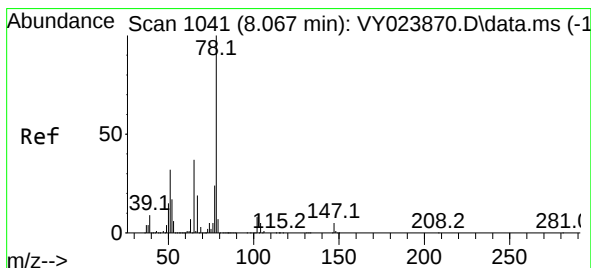
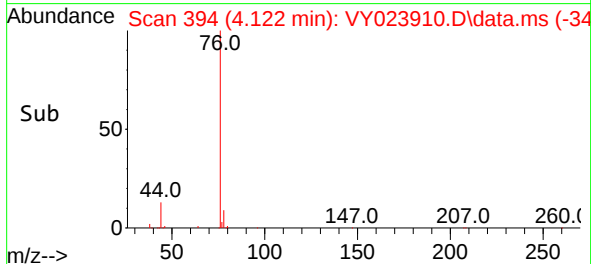
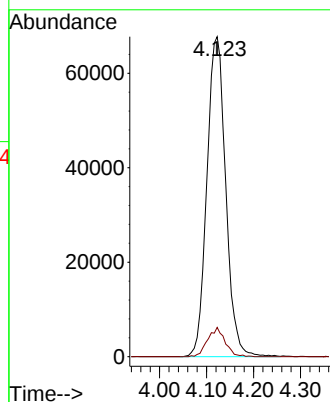
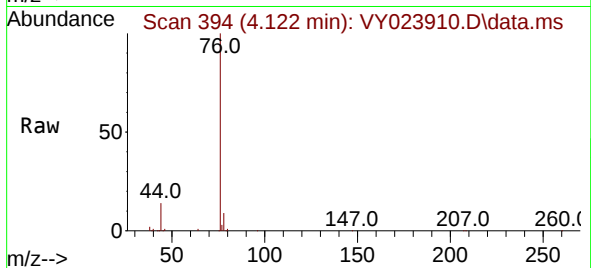




#17
Carbon Disulfide
Concen: 10.011 ug/l
RT: 4.122 min Scan# 394
Delta R.T. 0.012 min
Lab File: VY023910.D
Acq: 09 Dec 2025 15:53

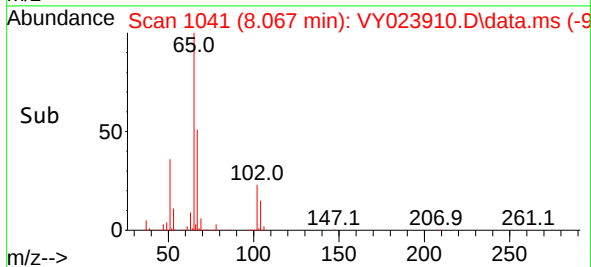
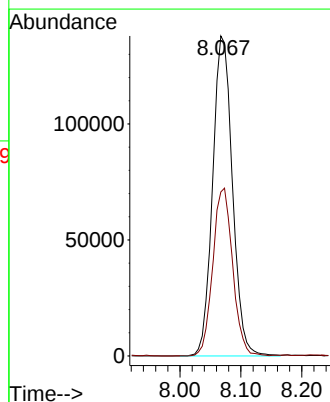
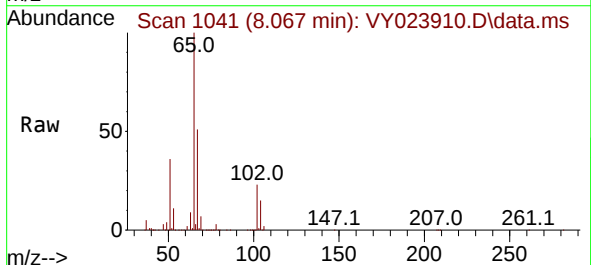
Instrument :
MSVOA_Y
ClientSampleId :
B-2

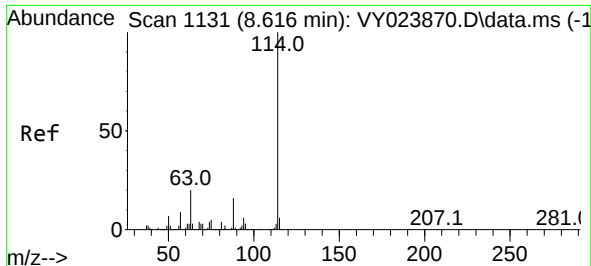
Tgt Ion: 76 Resp: 188200
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#33
1,2-Dichloroethane-d4
Concen: 47.185 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023910.D
Acq: 09 Dec 2025 15:53

Tgt Ion: 65 Resp: 311745
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.2

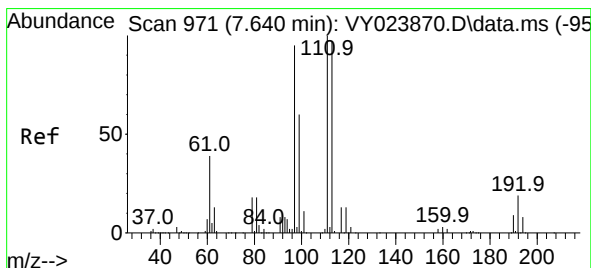
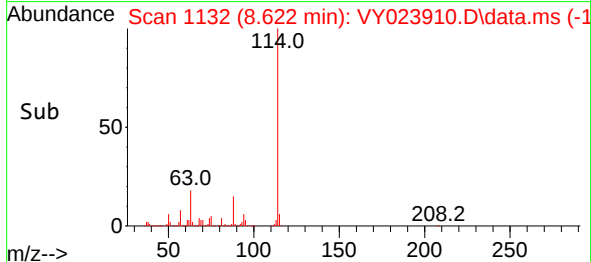
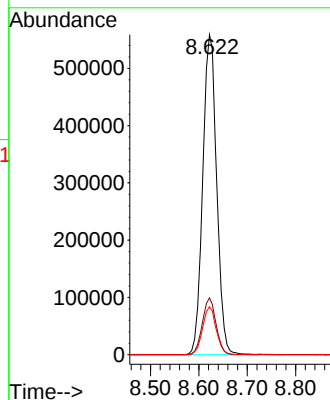
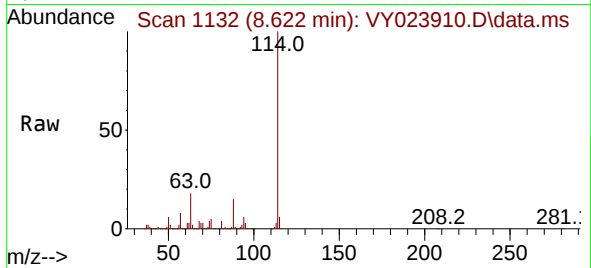




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023910.D
Acq: 09 Dec 2025 15:53

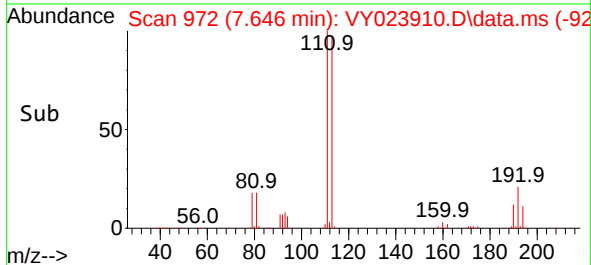
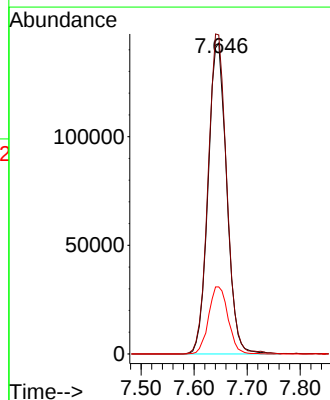
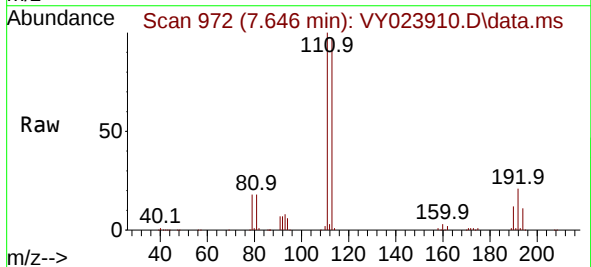
Instrument :
MSVOA_Y
ClientSampleId :
B-2

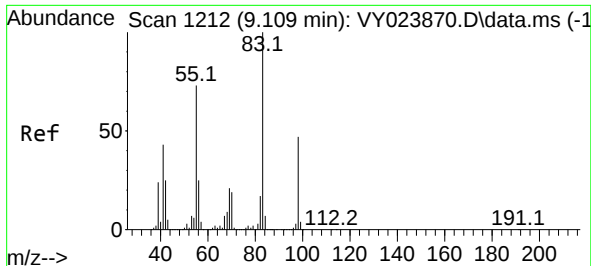
Tgt Ion:114 Resp: 1118720
Ion Ratio Lower Upper
114 100
63 17.7 0.0 39.2
88 15.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.503 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY023910.D
Acq: 09 Dec 2025 15:53

Tgt Ion:113 Resp: 348014
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 22.6 15.8 23.8





#39

Methylcyclohexane

Concen: 1.512 ug/l

RT: 9.116 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023910.D

Acq: 09 Dec 2025 15:53

Instrument :

MSVOA_Y

ClientSampleId :

B-2

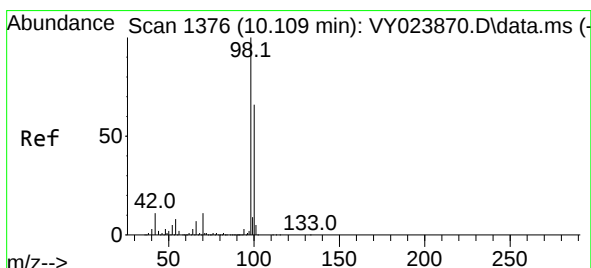
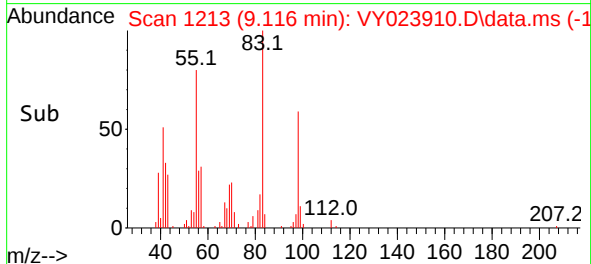
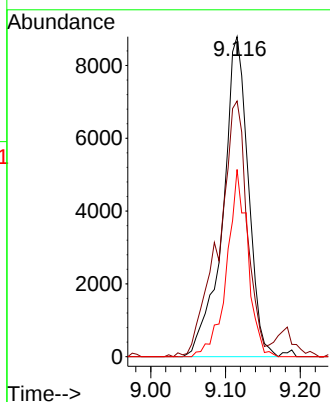
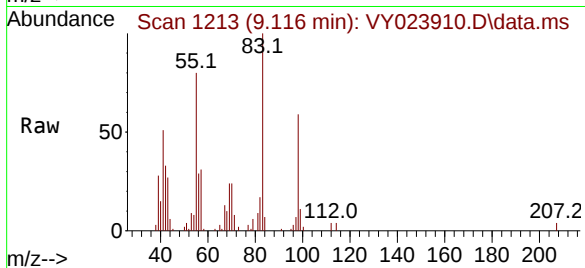
Tgt Ion: 83 Resp: 20820

Ion Ratio Lower Upper

83 100

55 78.7 58.8 88.2

98 58.5 37.8 56.6#



#50

Toluene-d8

Concen: 46.027 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY023910.D

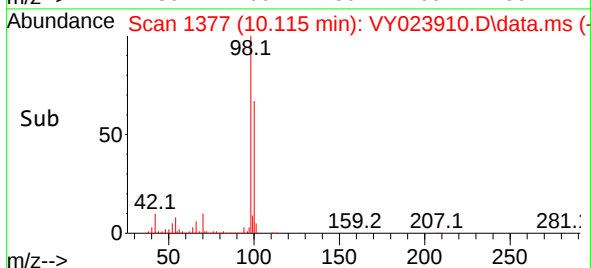
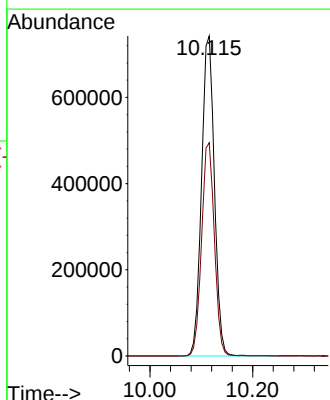
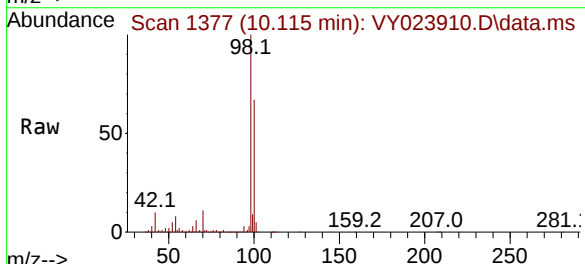
Acq: 09 Dec 2025 15:53

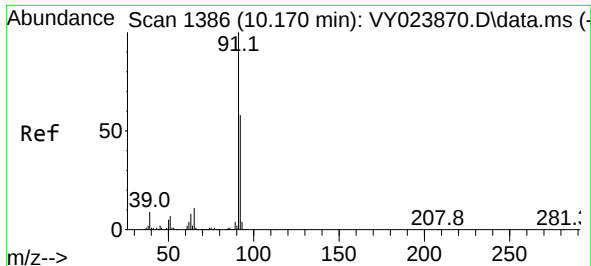
Tgt Ion: 98 Resp: 1285146

Ion Ratio Lower Upper

98 100

100 66.5 52.5 78.7

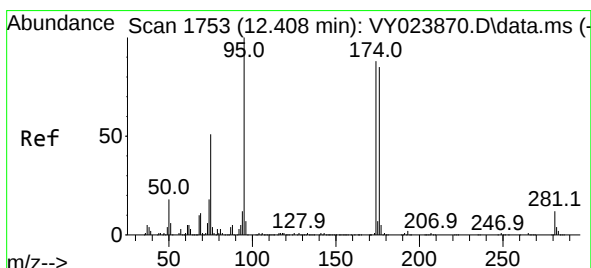
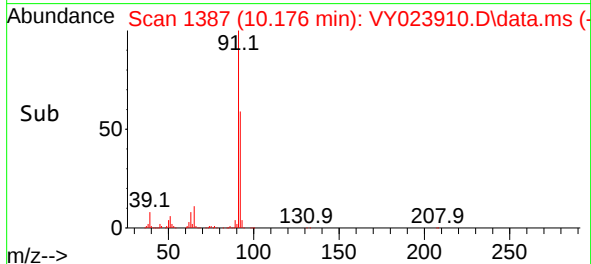
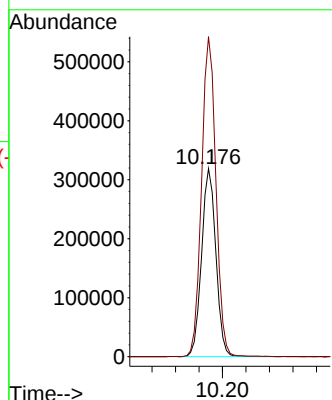
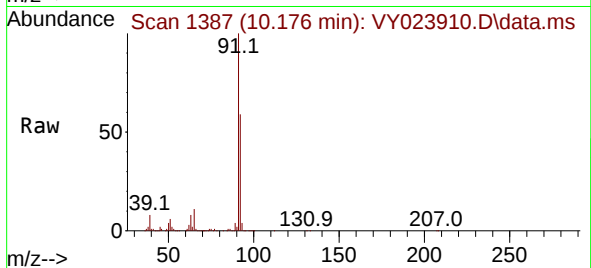




#52
Toluene
Concen: 26.923 ug/l
RT: 10.176 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023910.D
Acq: 09 Dec 2025 15:53

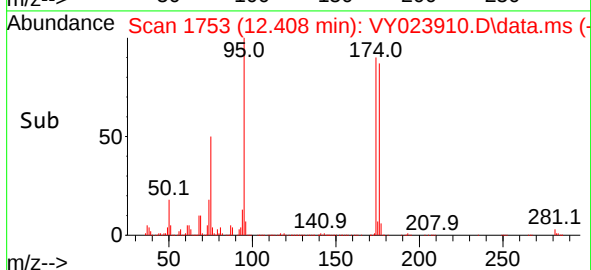
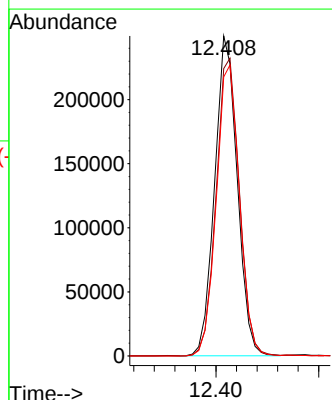
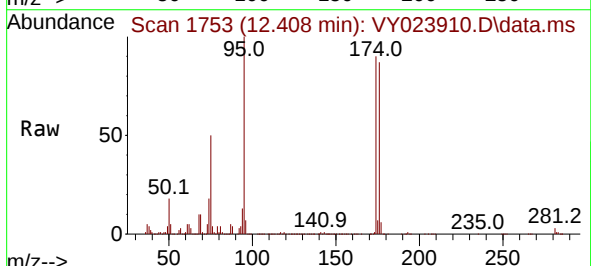
Instrument :
MSVOA_Y
ClientSampleId :
B-2

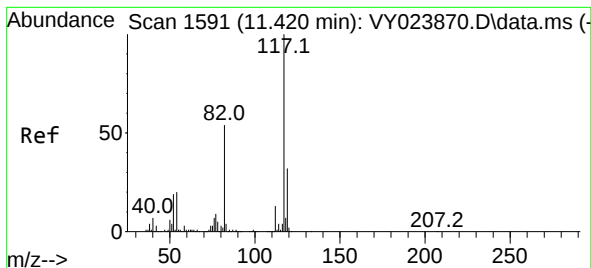
Tgt Ion: 92 Resp: 539168
Ion Ratio Lower Upper
92 100
91 170.6 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 39.912 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023910.D
Acq: 09 Dec 2025 15:53

Tgt Ion: 95 Resp: 380097
Ion Ratio Lower Upper
95 100
174 96.4 0.0 169.6
176 93.3 0.0 164.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023910.D

Acq: 09 Dec 2025 15:53

Instrument :

MSVOA_Y

ClientSampleId :

B-2

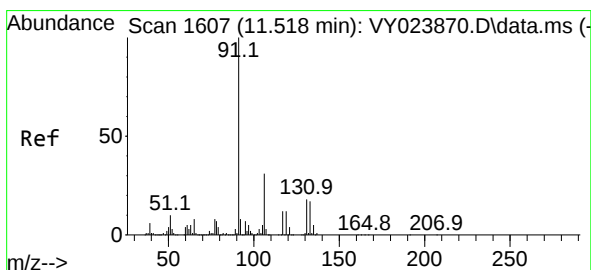
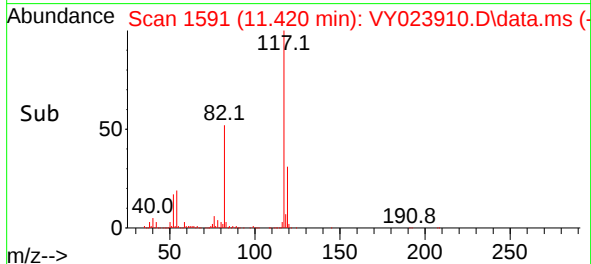
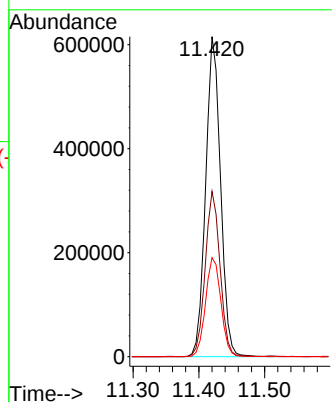
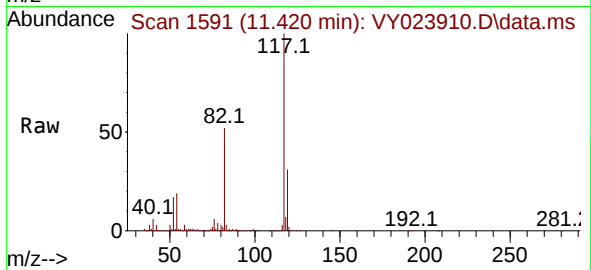
Tgt Ion:117 Resp: 968215

Ion Ratio Lower Upper

117 100

82 51.6 43.1 64.7

119 30.9 26.0 39.0



#67

Ethyl Benzene

Concen: 9.605 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY023910.D

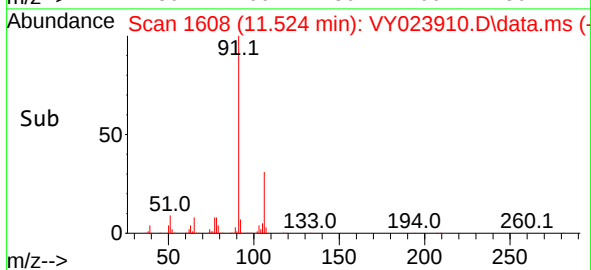
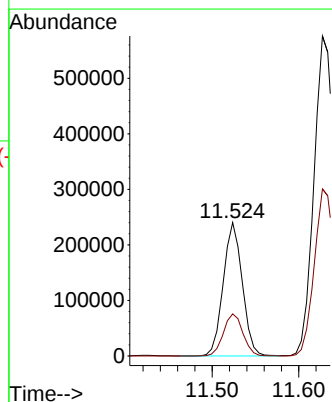
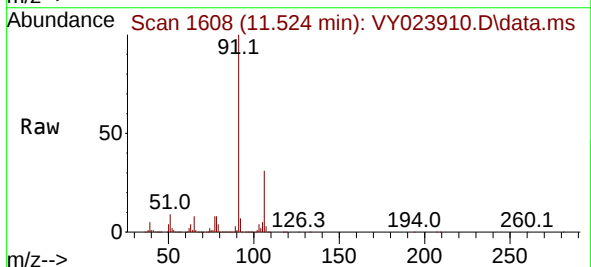
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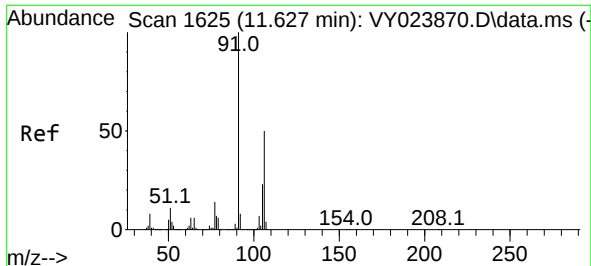
Tgt Ion: 91 Resp: 366959

Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.6

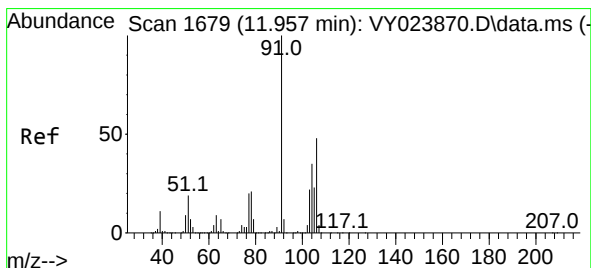
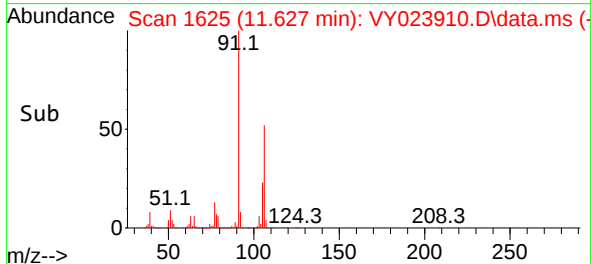
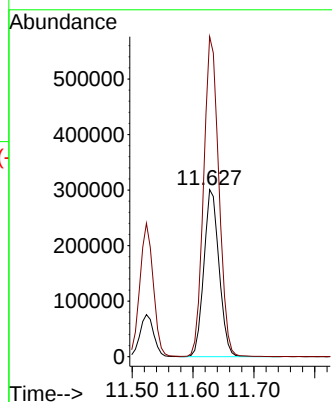
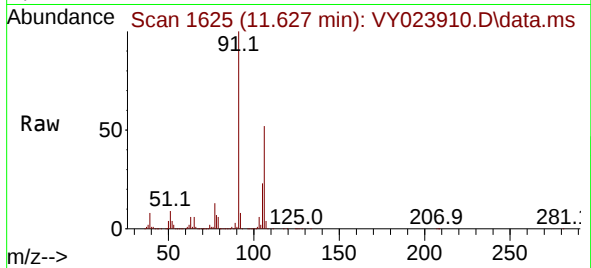




#68
m/p-Xylenes
Concen: 35.651 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023910.D
Acq: 09 Dec 2025 15:53

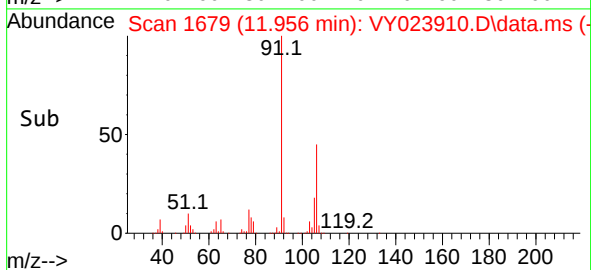
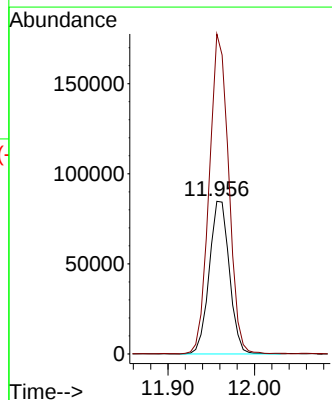
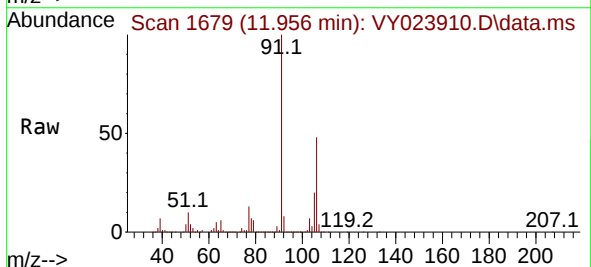
Instrument :
MSVOA_Y
ClientSampleId :
B-2

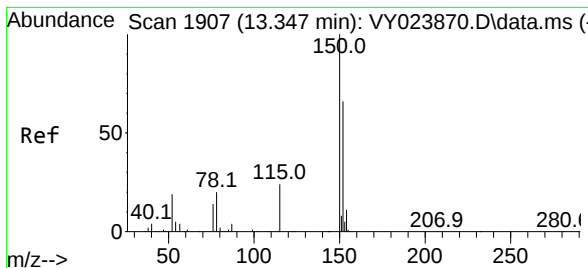
Tgt Ion:106 Resp: 520599
Ion Ratio Lower Upper
106 100
91 192.3 159.7 239.5



#69
o-Xylene
Concen: 10.016 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY023910.D
Acq: 09 Dec 2025 15:53

Tgt Ion:106 Resp: 136799
Ion Ratio Lower Upper
106 100
91 202.2 104.4 313.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023910.D

Acq: 09 Dec 2025 15:53

Instrument :

MSVOA_Y

ClientSampleId :

B-2

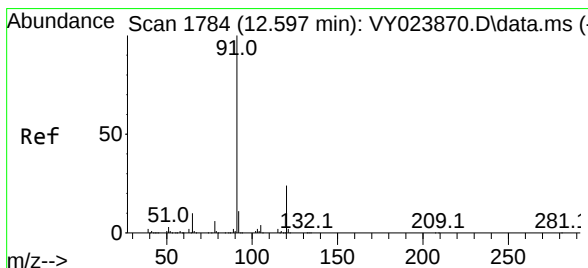
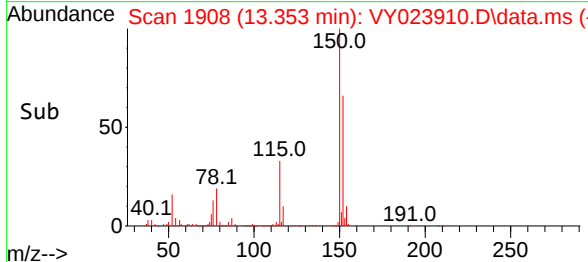
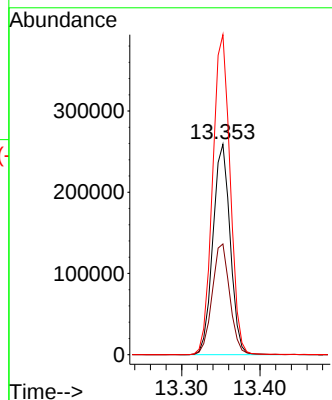
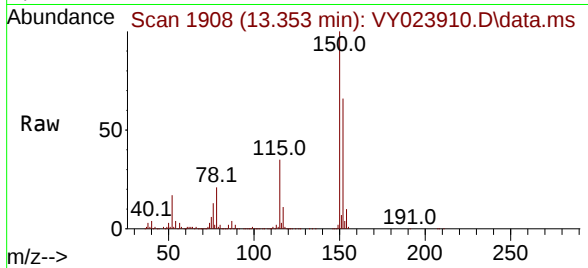
Tgt Ion:152 Resp: 396624

Ion Ratio Lower Upper

152 100

115 53.8 28.8 86.4

150 154.3 0.0 352.2



#78

n-propylbenzene

Concen: 2.156 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VY023910.D

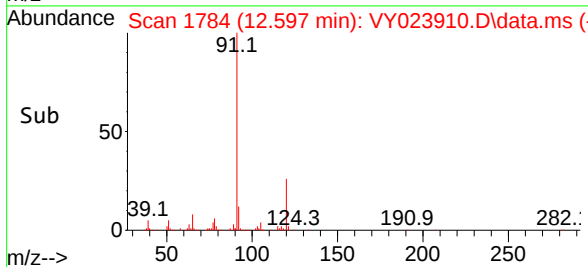
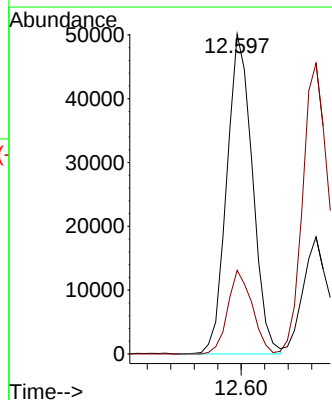
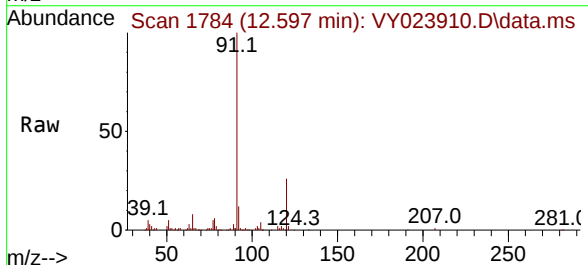
Acq: 09 Dec 2025 15:53

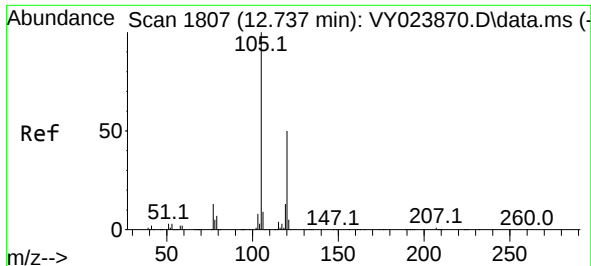
Tgt Ion: 91 Resp: 76042

Ion Ratio Lower Upper

91 100

120 24.8 11.5 34.5

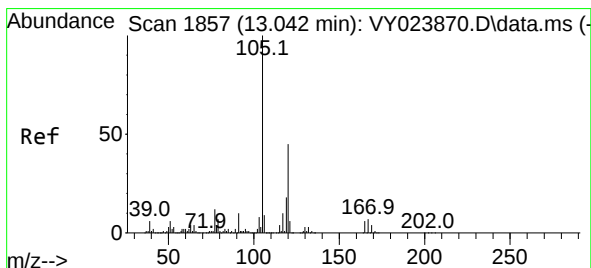
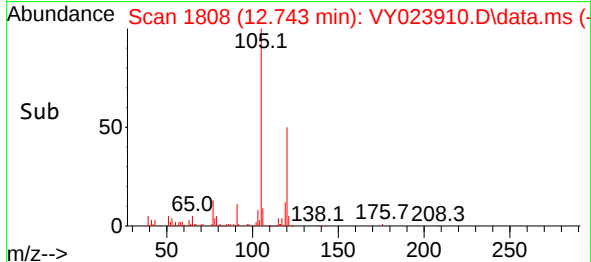
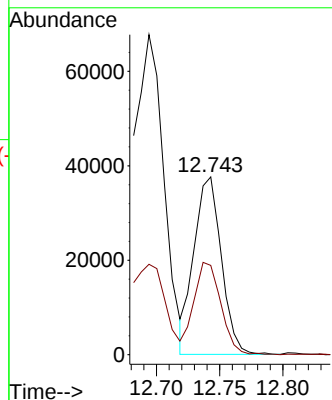
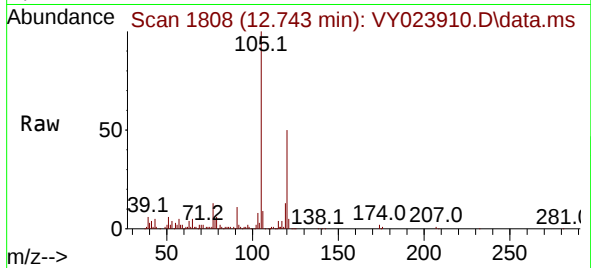




#80
1,3,5-Trimethylbenzene
Concen: 2.393 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY023910.D
Acq: 09 Dec 2025 15:53

Instrument :
MSVOA_Y
ClientSampleId :
B-2

Tgt Ion:105 Resp: 56820
Ion Ratio Lower Upper
105 100
120 51.4 24.9 74.6



#84
1,2,4-Trimethylbenzene
Concen: 7.793 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY023910.D
Acq: 09 Dec 2025 15:53

Tgt Ion:105 Resp: 183311
Ion Ratio Lower Upper
105 100
120 47.5 22.4 67.3

