

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023911.D
 Acq On : 09 Dec 2025 16:17
 Operator : SY/MD
 Sample : Q3809-07
 Misc : 2.61g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-3

Quant Time: Dec 10 02:30:13 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)

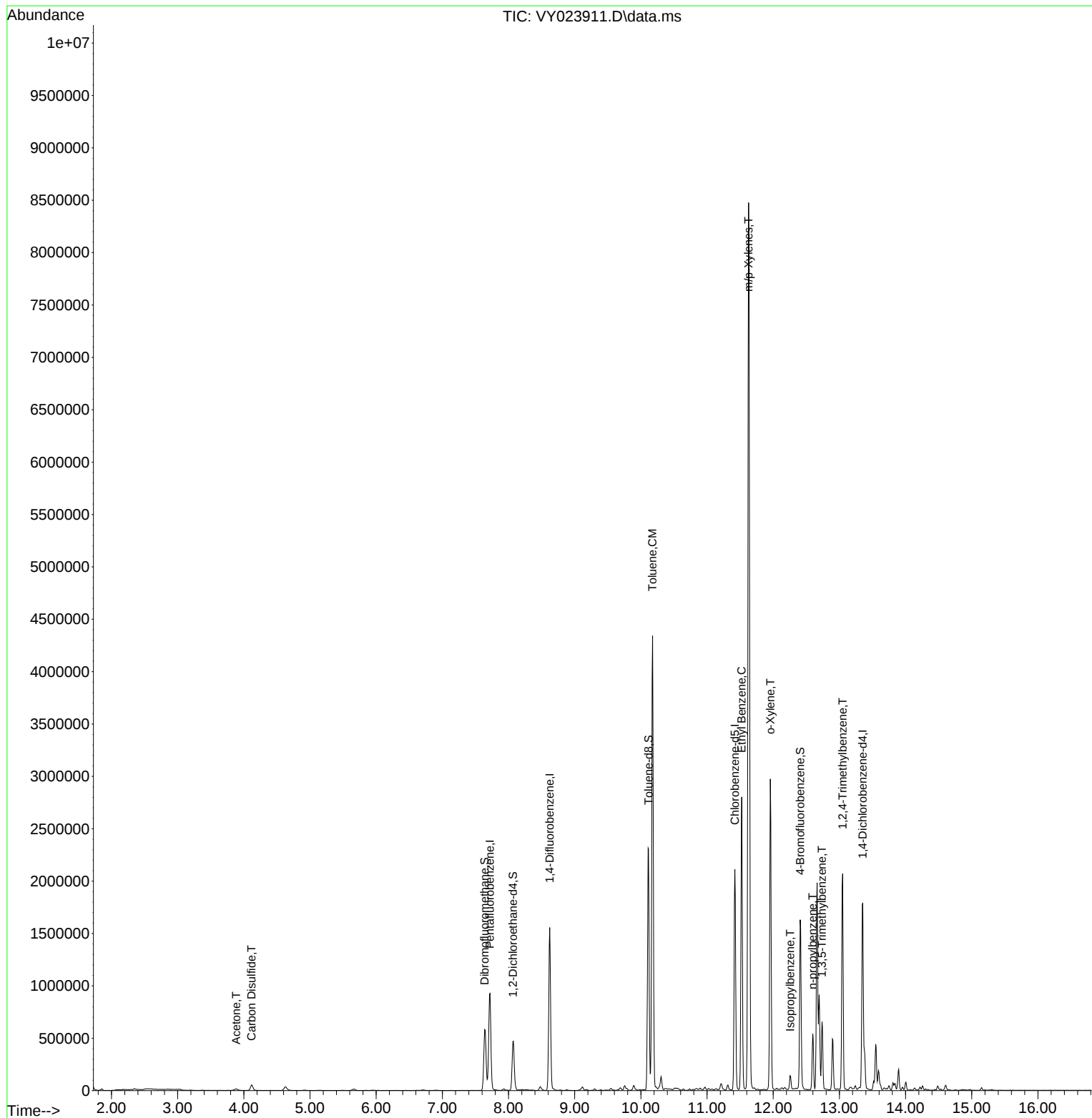
Internal Standards						
1) Pentafluorobenzene	7.720	168	784873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1343514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1171621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	495420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	369300	47.035	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.080%
35) Dibromofluoromethane	7.640	113	420346	48.781	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.560%
50) Toluene-d8	10.115	98	1550509	46.240	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.480%
62) 4-Bromofluorobenzene	12.408	95	477777	41.775	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.540%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	23097	9.817	ug/l	98
17) Carbon Disulfide	4.117	76	106457	4.765	ug/l	96
52) Toluene	10.176	92	1823967	75.840	ug/l	99
67) Ethyl Benzene	11.524	91	1877648	40.615	ug/l	98
68) m/p-Xylenes	11.627	106	2650470	149.995	ug/l	95
69) o-Xylene	11.957	106	795079	48.106	ug/l	97
73) Isopropylbenzene	12.255	105	83687	2.293	ug/l	98
78) n-propylbenzene	12.597	91	398765	9.054	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	322118	10.861	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	1102291	37.516	ug/l	96

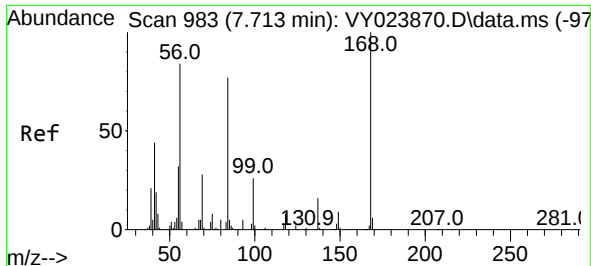
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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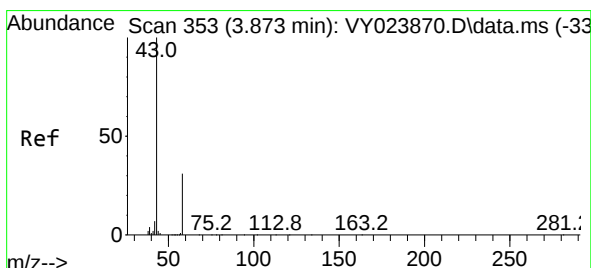
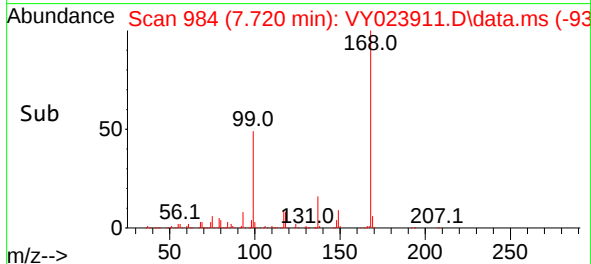
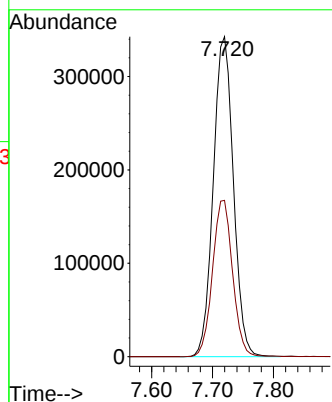
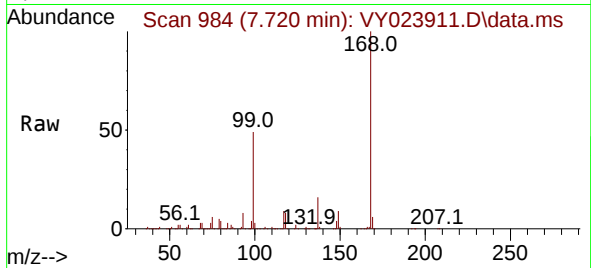




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 984
Delta R.T. 0.007 min
Lab File: VY023911.D
Acq: 09 Dec 2025 16:17

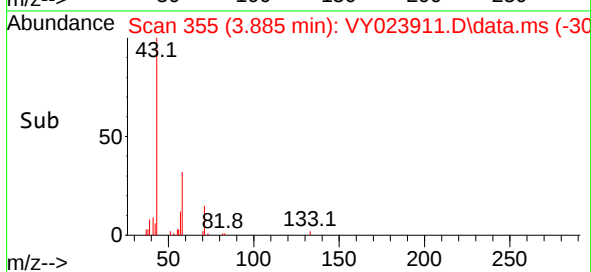
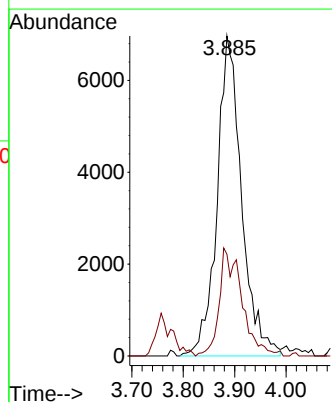
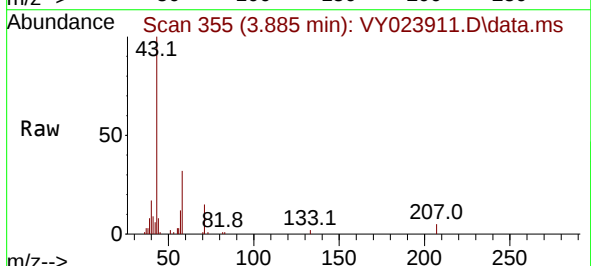
Instrument :
MSVOA_Y
ClientSampleId :
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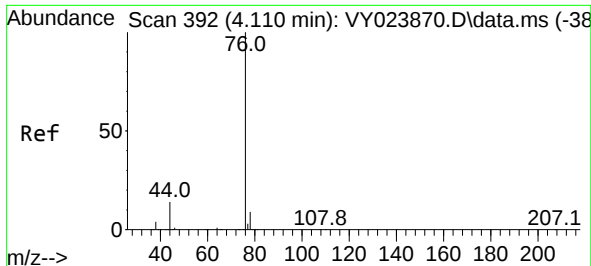
Tgt Ion:168 Resp: 784873
Ion Ratio Lower Upper
168 100
99 48.9 42.5 63.7



#16
Acetone
Concen: 9.817 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY023911.D
Acq: 09 Dec 2025 16:17

Tgt Ion: 43 Resp: 23097
Ion Ratio Lower Upper
43 100
58 30.2 25.1 37.7

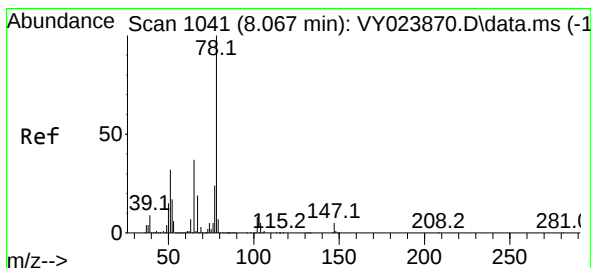
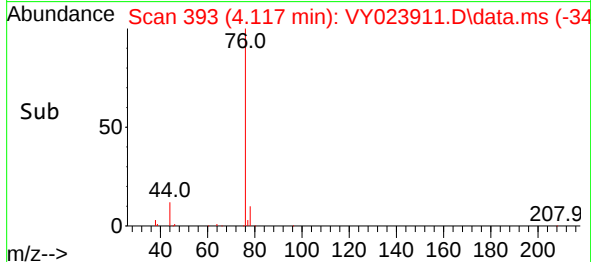
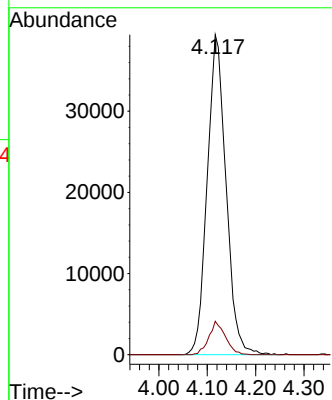
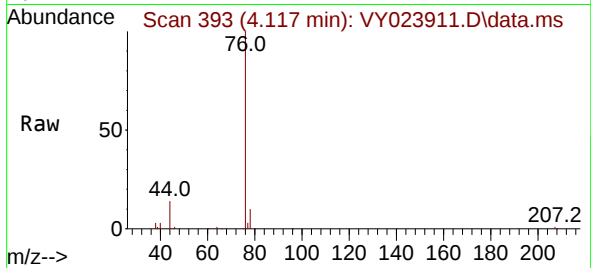




#17
Carbon Disulfide
Concen: 4.765 ug/l
RT: 4.117 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY023911.D
Acq: 09 Dec 2025 16:17

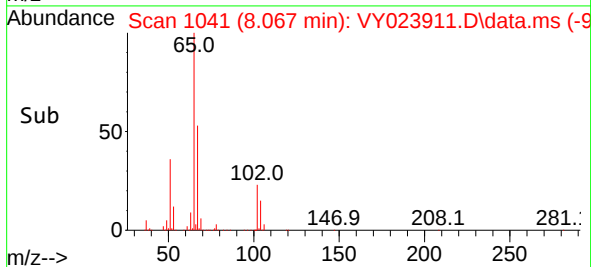
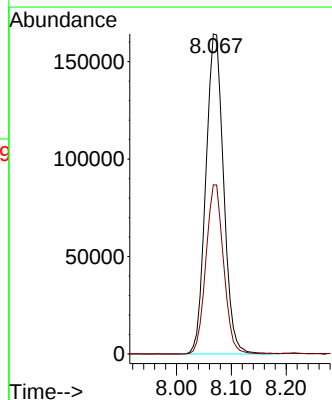
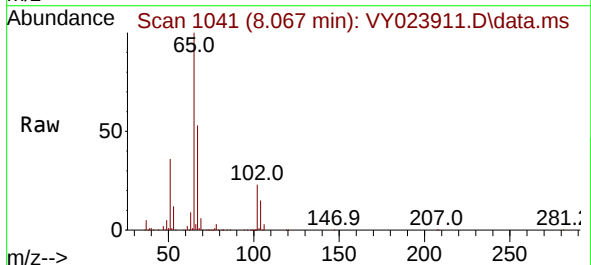
Instrument :
MSVOA_Y
ClientSampleId :
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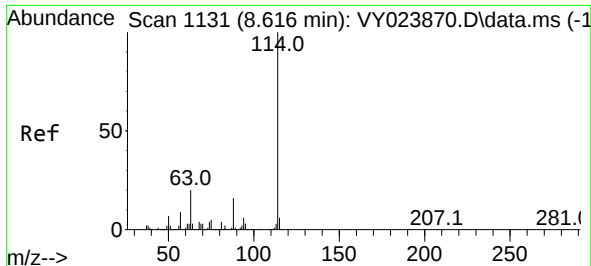
Tgt Ion: 76 Resp: 106457
Ion Ratio Lower Upper
76 100
78 10.4 7.1 10.7



#33
1,2-Dichloroethane-d4
Concen: 47.035 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY023911.D
Acq: 09 Dec 2025 16:17

Tgt Ion: 65 Resp: 369300
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.2

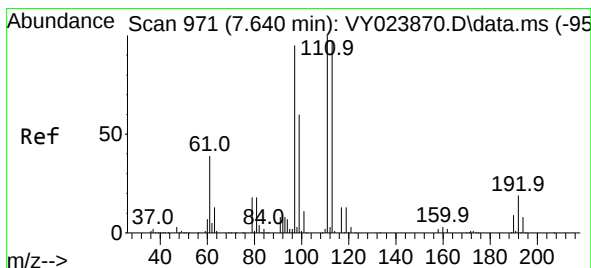
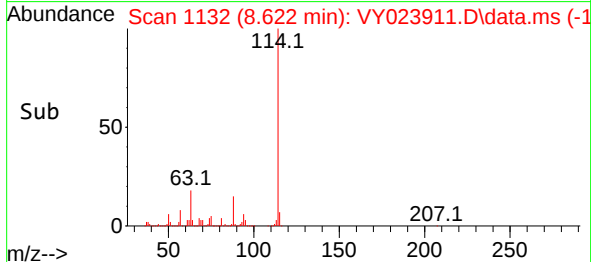
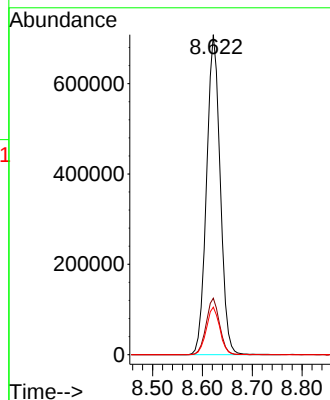
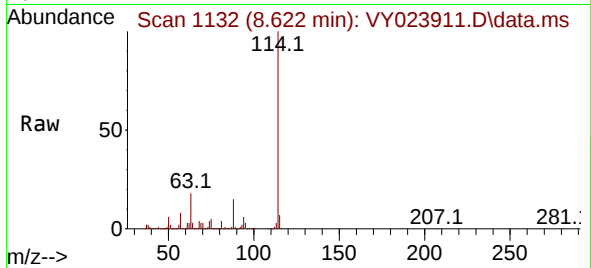




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023911.D
Acq: 09 Dec 2025 16:17

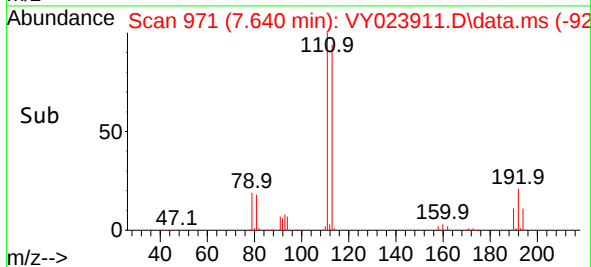
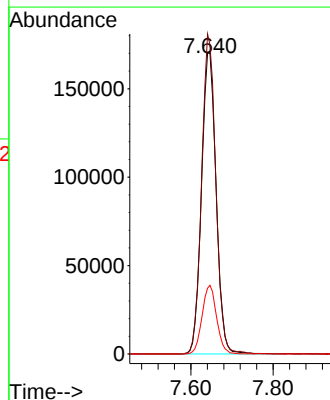
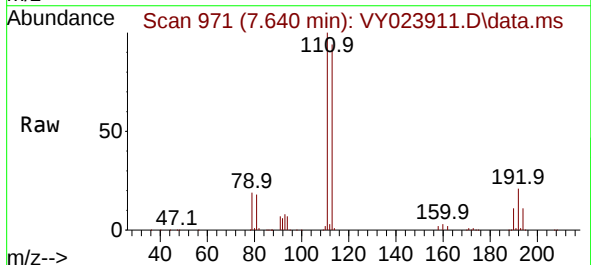
Instrument :
MSVOA_Y
ClientSampleId :
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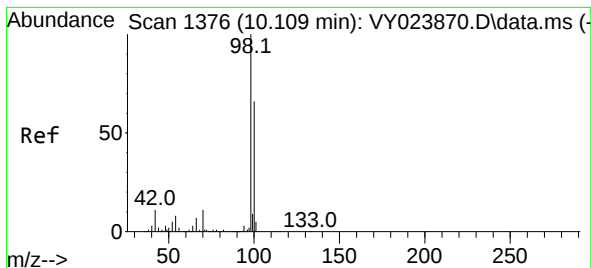
Tgt Ion:114 Resp: 1343514
Ion Ratio Lower Upper
114 100
63 17.7 0.0 39.2
88 14.9 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.781 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY023911.D
Acq: 09 Dec 2025 16:17

Tgt Ion:113 Resp: 420346
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 22.6 15.8 23.8

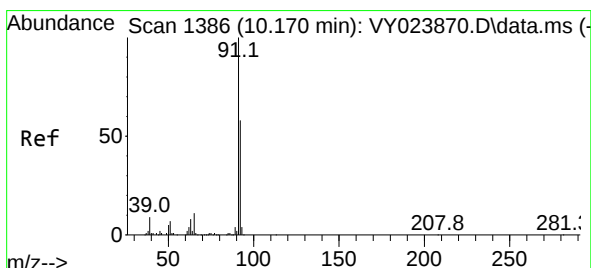
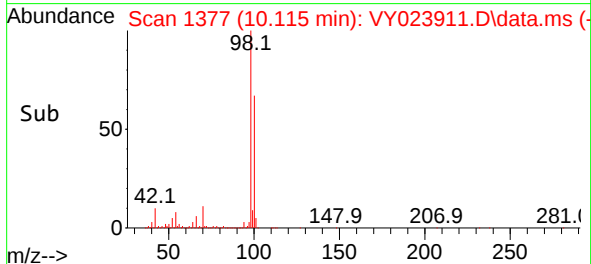
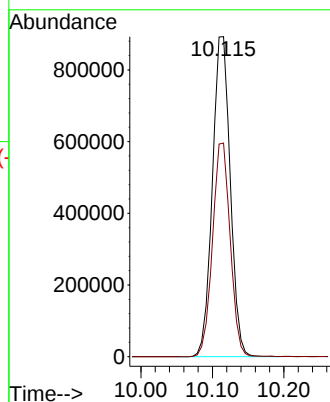
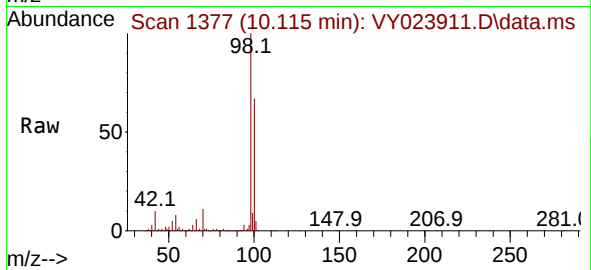




#50
Toluene-d8
Concen: 46.240 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023911.D
Acq: 09 Dec 2025 16:17

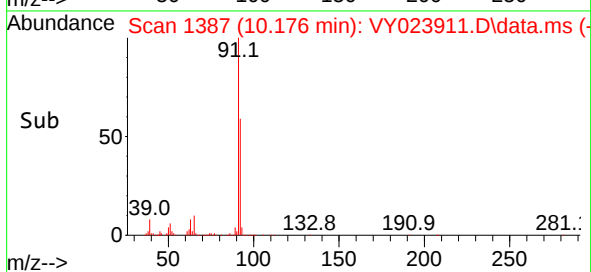
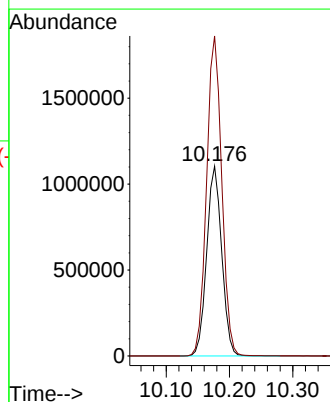
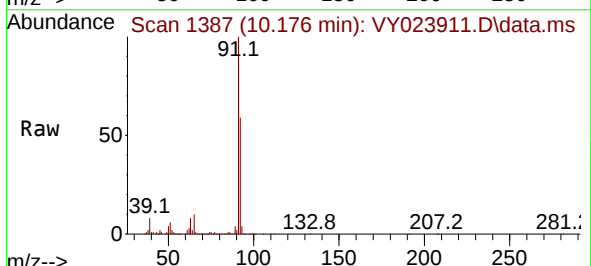
Instrument :
MSVOA_Y
ClientSampleId :
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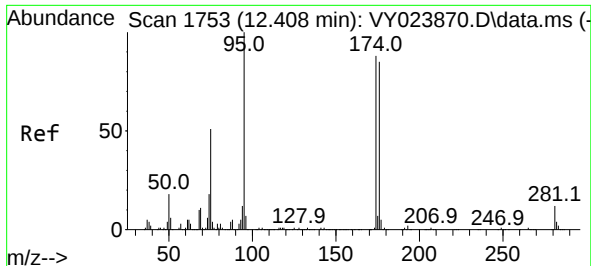
Tgt Ion: 98 Resp: 1550509
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7



#52
Toluene
Concen: 75.840 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY023911.D
Acq: 09 Dec 2025 16:17

Tgt Ion: 92 Resp: 1823967
Ion Ratio Lower Upper
92 100
91 170.0 137.3 205.9

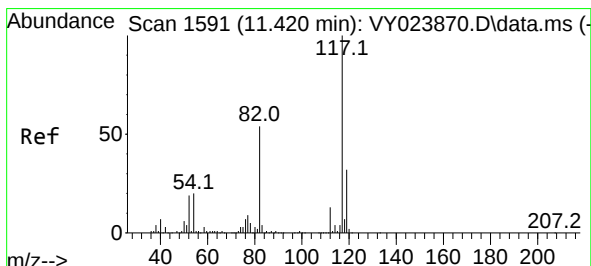
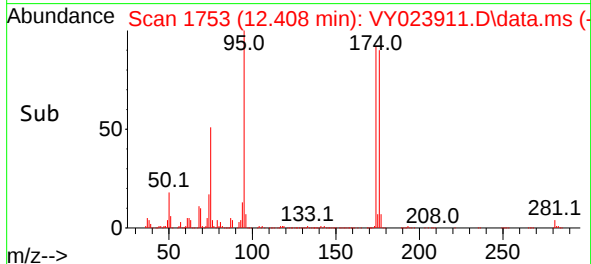
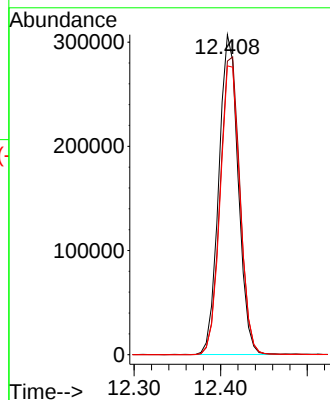
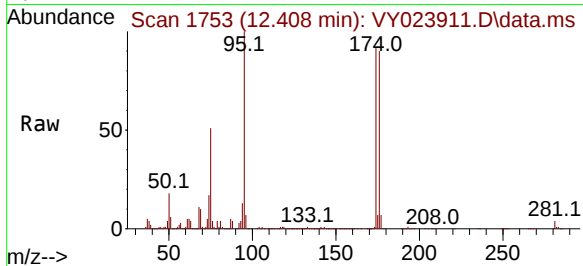




#62
4-Bromofluorobenzene
Concen: 41.775 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023911.D
Acq: 09 Dec 2025 16:17

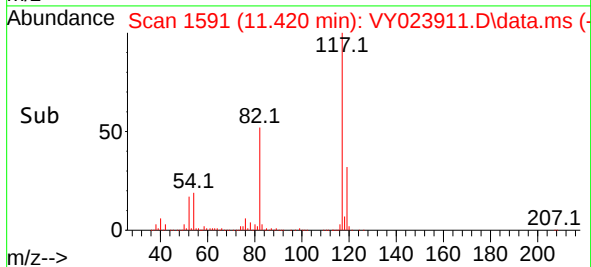
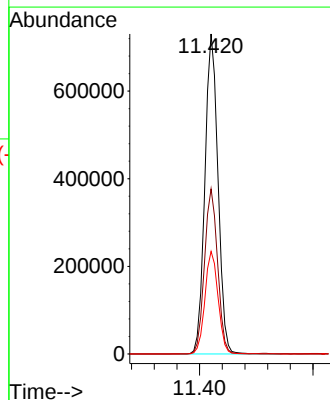
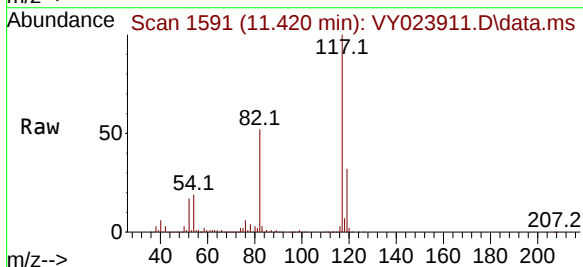
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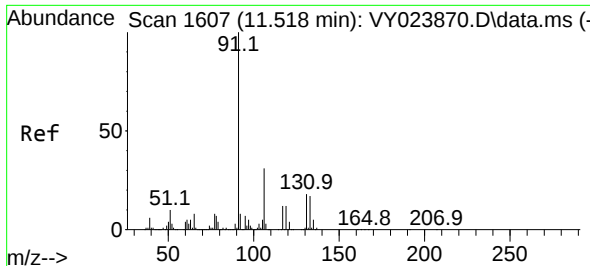
Tgt Ion: 95 Resp: 477777
Ion Ratio Lower Upper
95 100
174 95.1 0.0 169.6
176 92.4 0.0 164.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY023911.D
Acq: 09 Dec 2025 16:17

Tgt Ion: 117 Resp: 1171621
Ion Ratio Lower Upper
117 100
82 51.6 43.1 64.7
119 32.0 26.0 39.0

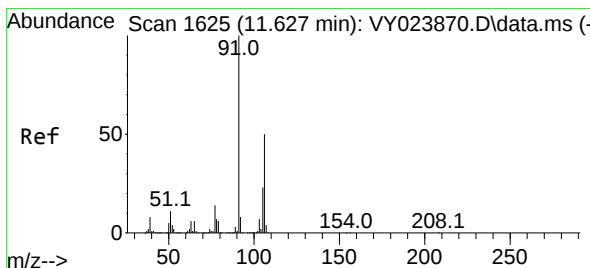
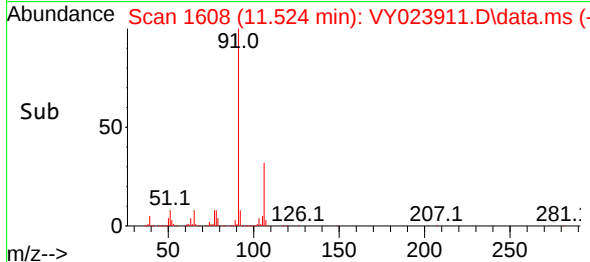
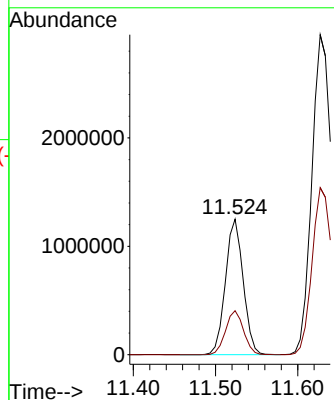
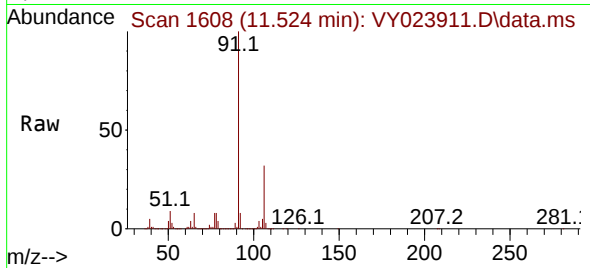




#67
Ethyl Benzene
Concen: 40.615 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY023911.D
Acq: 09 Dec 2025 16:17

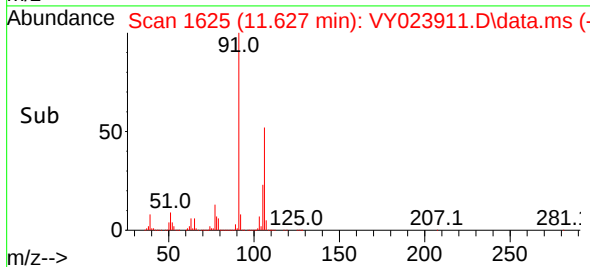
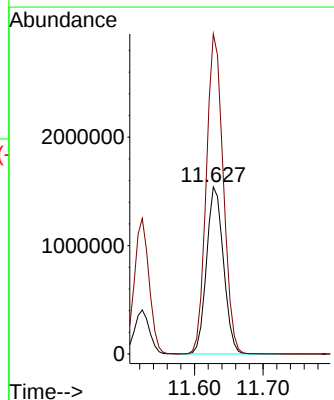
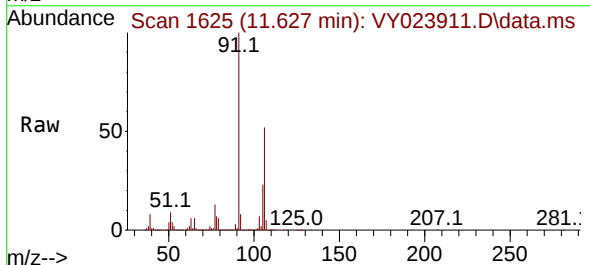
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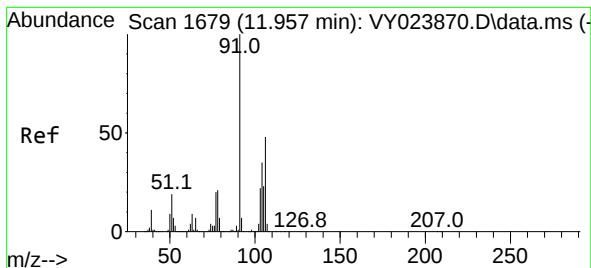
Tgt Ion: 91 Resp: 1877648
Ion Ratio Lower Upper
91 100
106 32.5 25.0 37.6



#68
m/p-Xylenes
Concen: 149.995 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023911.D
Acq: 09 Dec 2025 16:17

Tgt Ion:106 Resp: 2650470
Ion Ratio Lower Upper
106 100
91 191.6 159.7 239.5





#69

o-Xylene

Concen: 48.106 ug/l

RT: 11.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023911.D

Acq: 09 Dec 2025 16:17

Instrument :

MSVOA_Y

ClientSampleId :

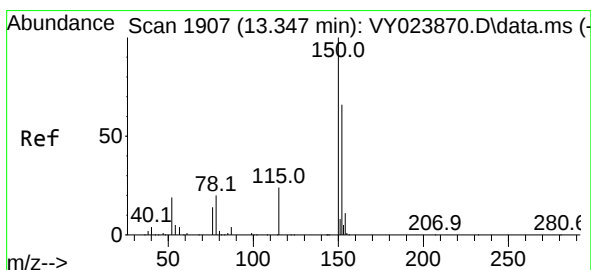
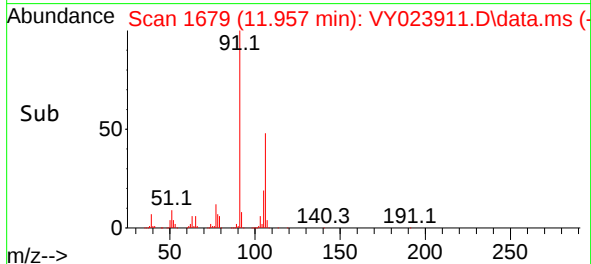
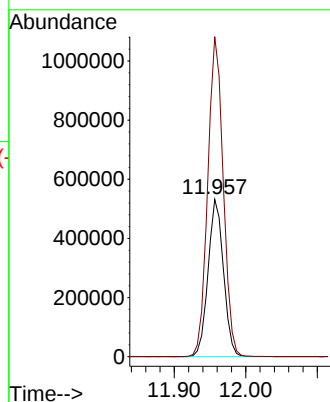
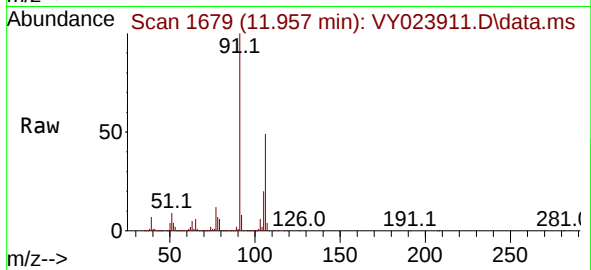
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Tgt Ion:106 Resp: 795079

Ion Ratio Lower Upper

106 100

91 204.8 104.4 313.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023911.D

Acq: 09 Dec 2025 16:17

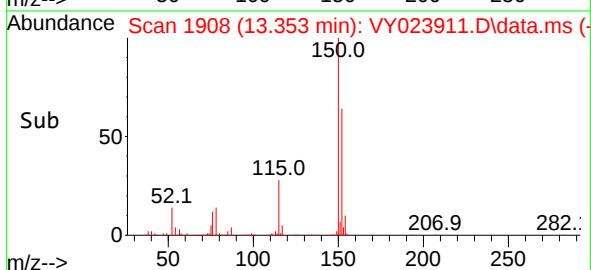
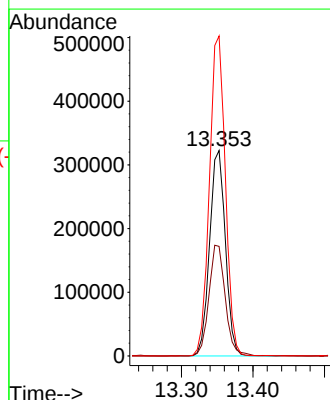
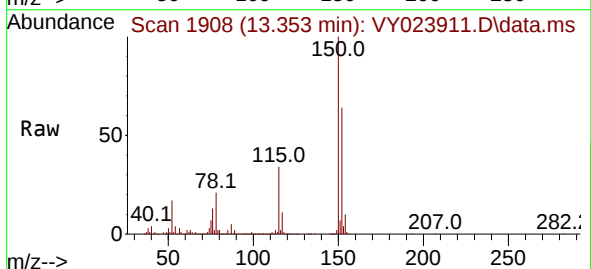
Tgt Ion:152 Resp: 495420

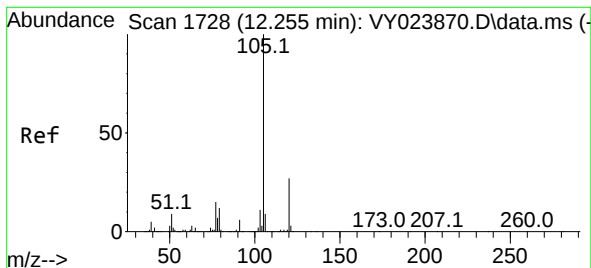
Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.4

150 157.0 0.0 352.2





#73

Isopropylbenzene

Concen: 2.293 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY023911.D

Acq: 09 Dec 2025 16:17

Instrument :

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ClientSampleId :

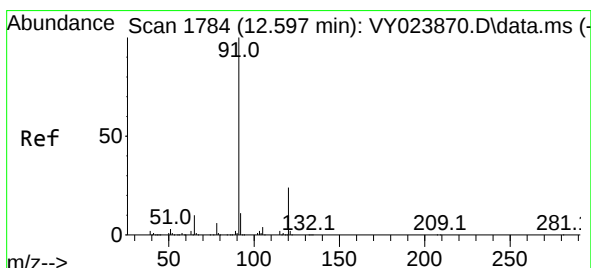
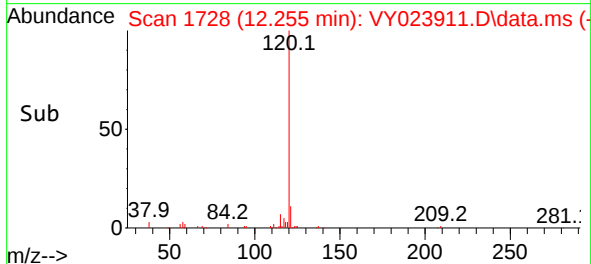
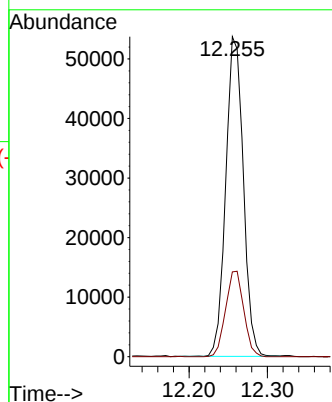
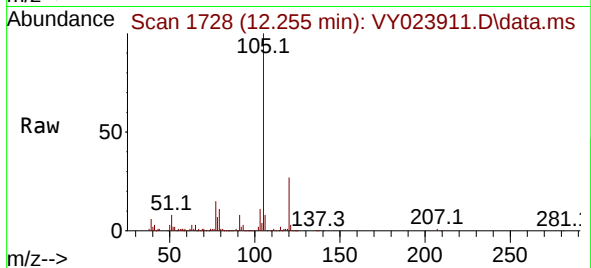
B-3

Tgt Ion:105 Resp: 83687

Ion Ratio Lower Upper

105 100

120 27.6 13.4 40.1



#78

n-propylbenzene

Concen: 9.054 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY023911.D

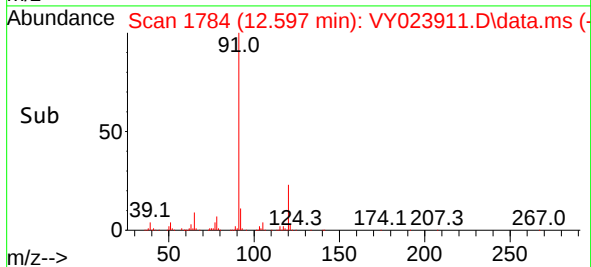
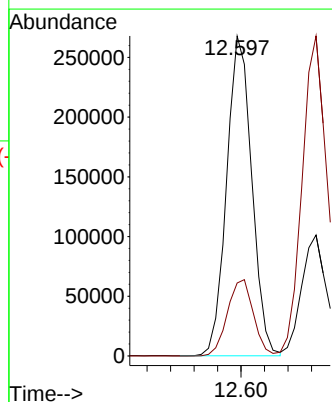
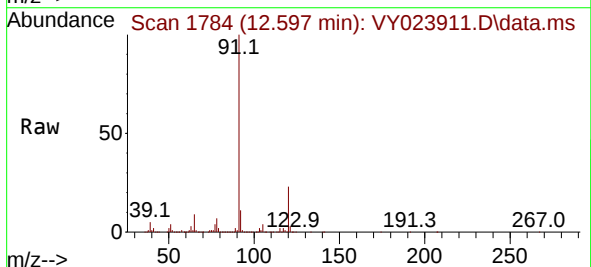
Acq: 09 Dec 2025 16:17

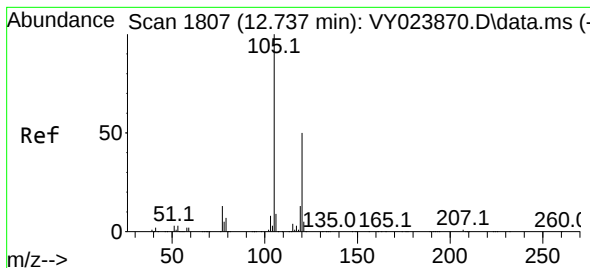
Tgt Ion: 91 Resp: 398765

Ion Ratio Lower Upper

91 100

120 24.6 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 10.861 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023911.D

Acq: 09 Dec 2025 16:17

Instrument :

MSVOA_Y

ClientSampleId :

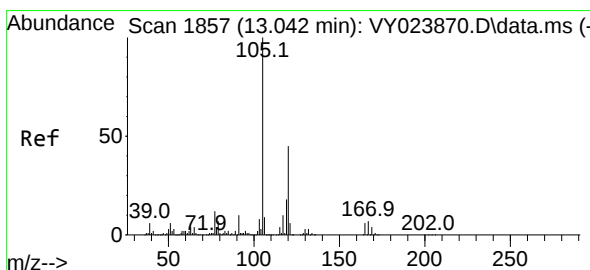
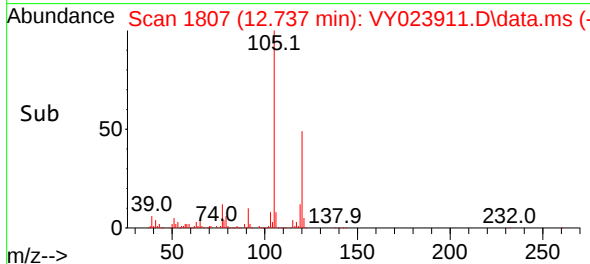
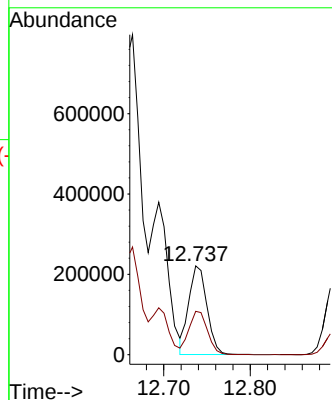
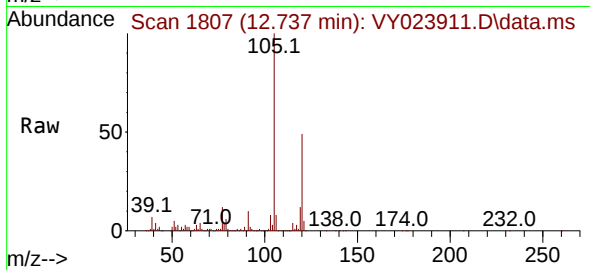
B-3

Tgt Ion:105 Resp: 322118

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6



#84

1,2,4-Trimethylbenzene

Concen: 37.516 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY023911.D

Acq: 09 Dec 2025 16:17

Tgt Ion:105 Resp: 1102291

Ion Ratio Lower Upper

105 100

120 47.6 22.4 67.3

