

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023915.D
 Acq On : 09 Dec 2025 17:50
 Operator : SY/MD
 Sample : Q3809-12
 Misc : 2.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-9

Quant Time: Dec 10 02:32:25 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)

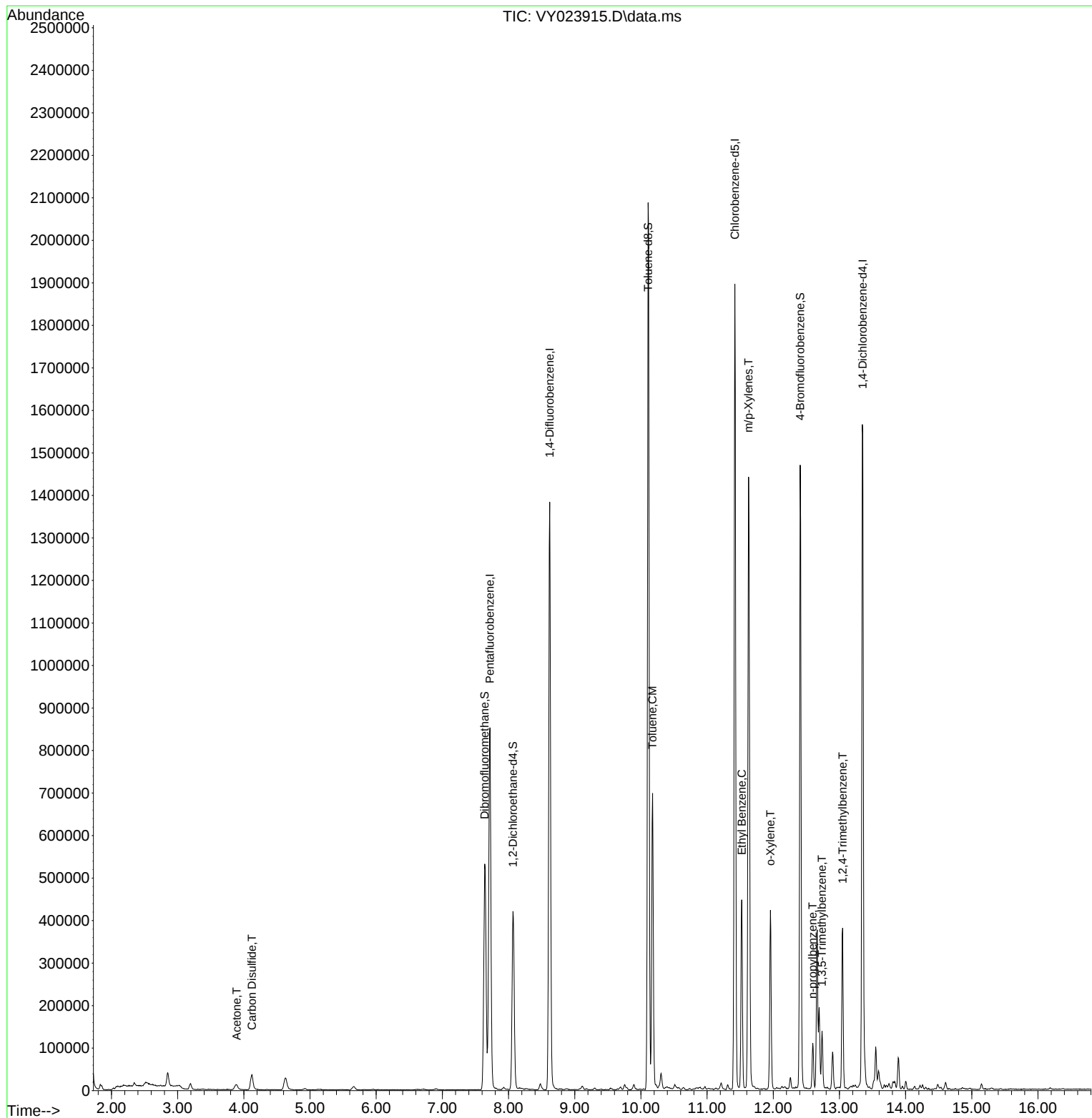
Internal Standards						
1) Pentafluorobenzene	7.719	168	717977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1236122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1055575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	438429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	335358	46.692	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.380%
35) Dibromofluoromethane	7.640	113	384860	48.543	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.080%
50) Toluene-d8	10.109	98	1396561	45.267	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.540%
62) 4-Bromofluorobenzene	12.407	95	421836	40.088	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.180%
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	20995	9.755	ug/l	90
17) Carbon Disulfide	4.122	76	72837	3.564	ug/l	98
52) Toluene	10.176	92	293683	13.272	ug/l	100
67) Ethyl Benzene	11.523	91	299817	7.198	ug/l	96
68) m/p-Xylenes	11.627	106	458367	28.792	ug/l	97
69) o-Xylene	11.956	106	117321	7.879	ug/l	96
78) n-propylbenzene	12.596	91	79189	2.032	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	59158	2.254	ug/l	96
84) 1,2,4-Trimethylbenzene	13.048	105	203061	7.809	ug/l	96

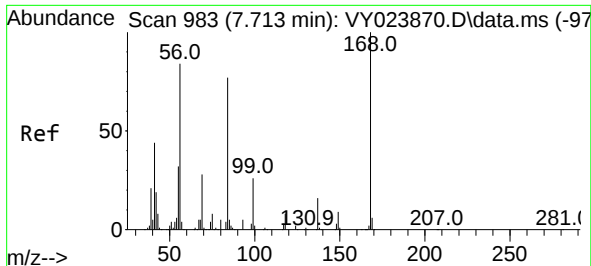
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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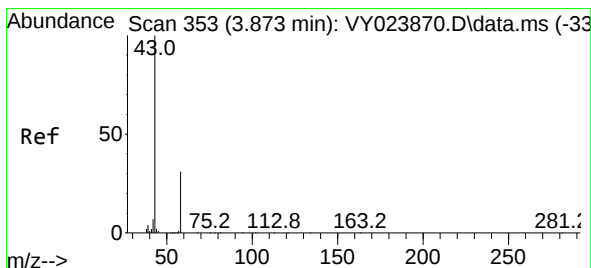
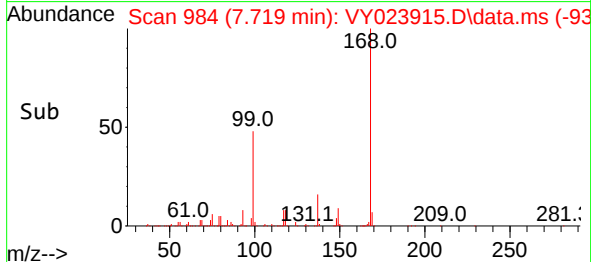
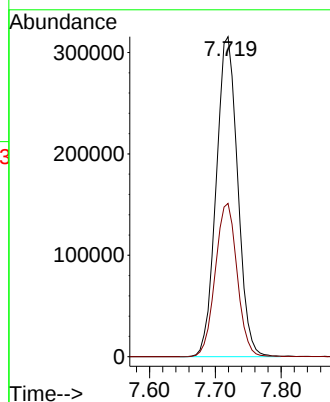
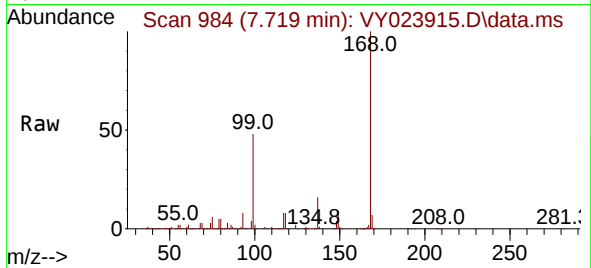




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

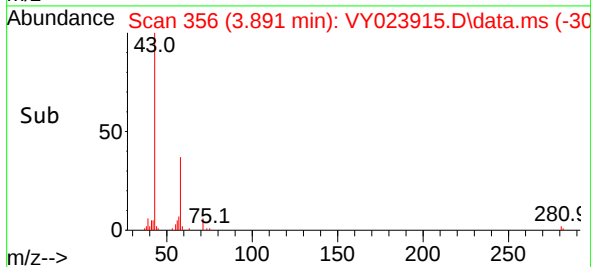
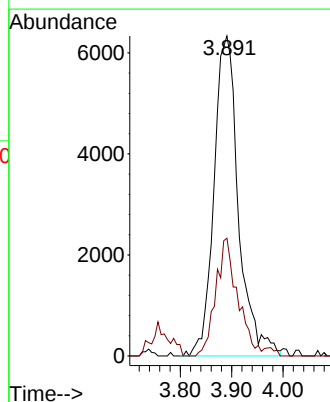
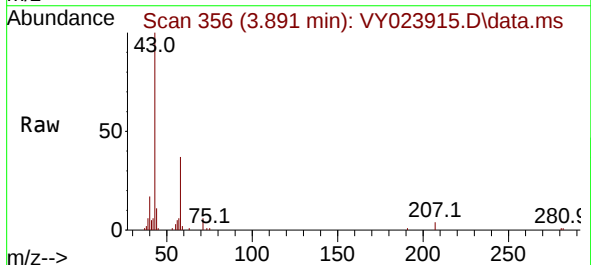
Instrument :
MSVOA_Y
ClientSampleId :
SW-9

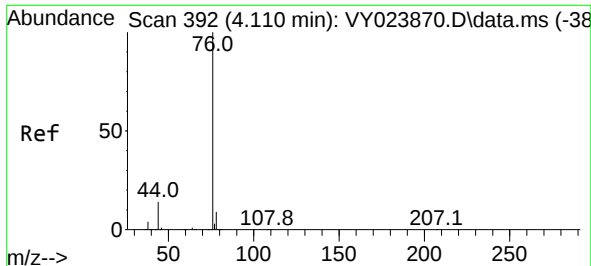
Tgt Ion:168 Resp: 717977
Ion Ratio Lower Upper
168 100
99 47.9 42.5 63.7



#16
Acetone
Concen: 9.755 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

Tgt Ion: 43 Resp: 20995
Ion Ratio Lower Upper
43 100
58 36.8 25.1 37.7

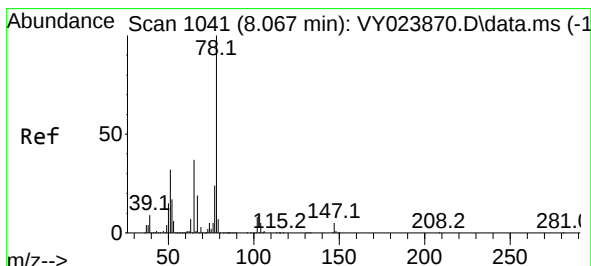
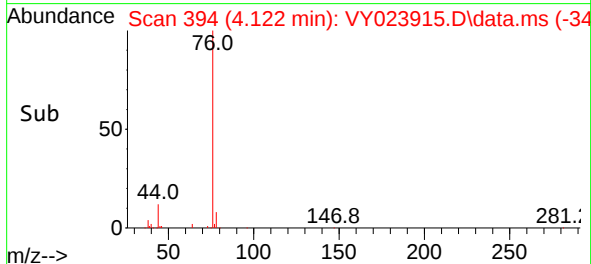
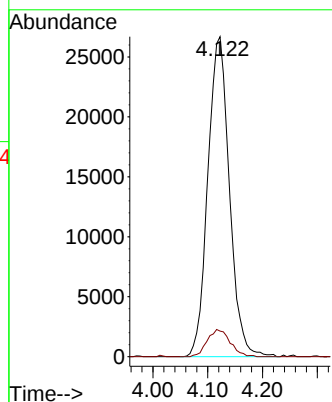
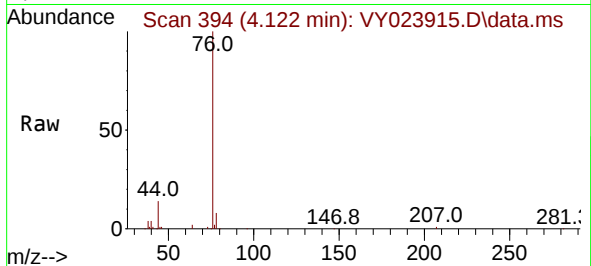




#17
Carbon Disulfide
Concen: 3.564 ug/l
RT: 4.122 min Scan# 394
Delta R.T. 0.012 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

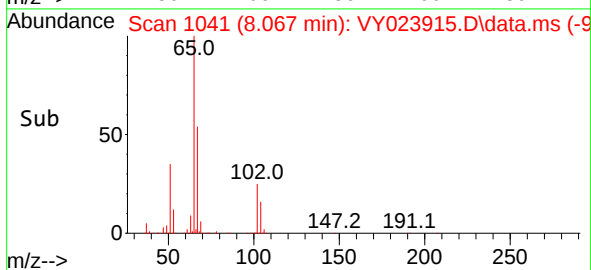
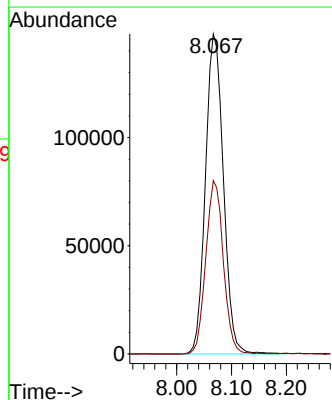
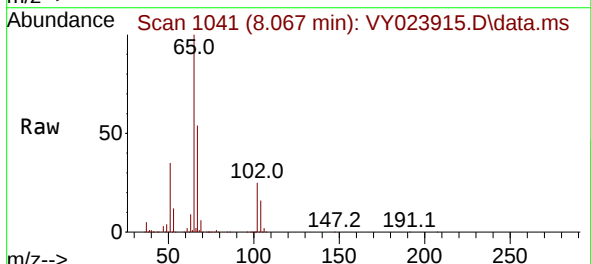
Instrument :
MSVOA_Y
ClientSampleId :
SW-9

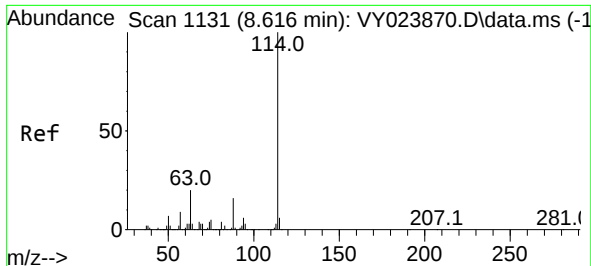
Tgt Ion: 76 Resp: 72837
Ion Ratio Lower Upper
76 100
78 8.0 7.1 10.7



#33
1,2-Dichloroethane-d4
Concen: 46.692 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

Tgt Ion: 65 Resp: 335358
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.2

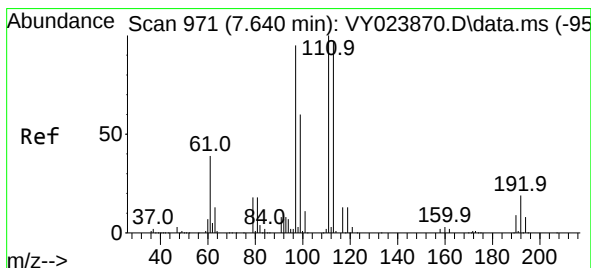
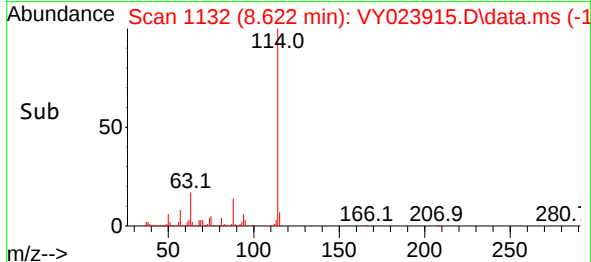
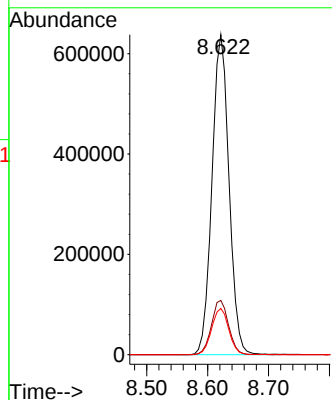
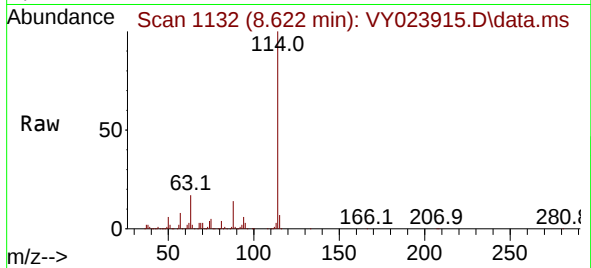




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

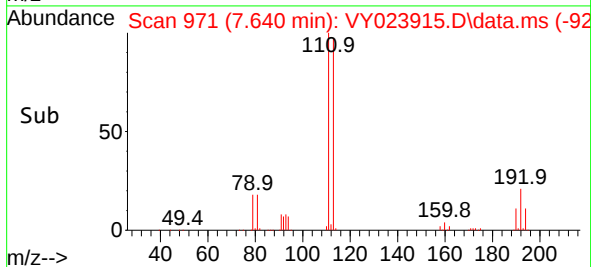
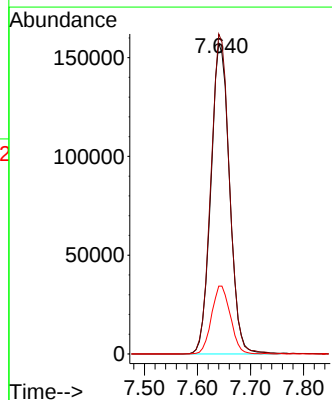
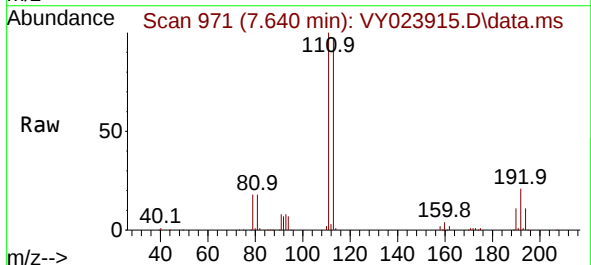
Instrument :
MSVOA_Y
ClientSampleId :
SW-9

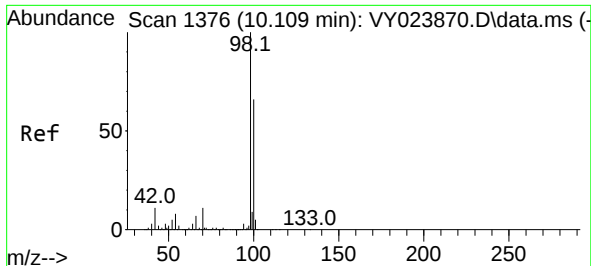
Tgt Ion:114 Resp: 1236122
Ion Ratio Lower Upper
114 100
63 16.9 0.0 39.2
88 14.4 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.543 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

Tgt Ion:113 Resp: 384860
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 22.0 15.8 23.8

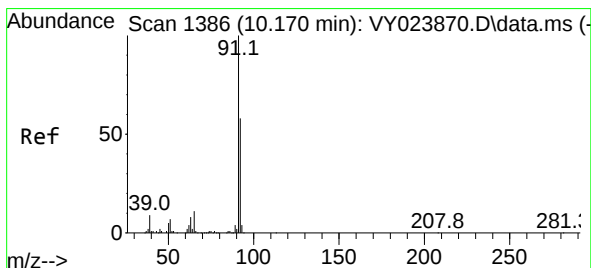
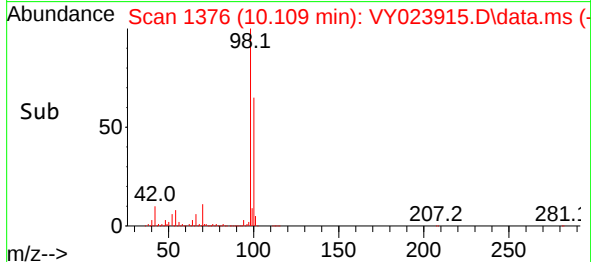
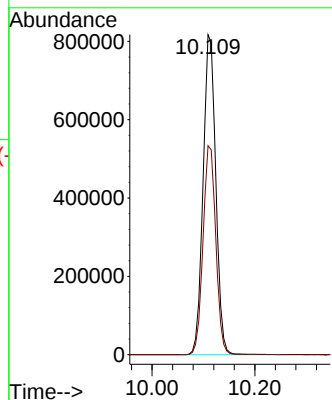
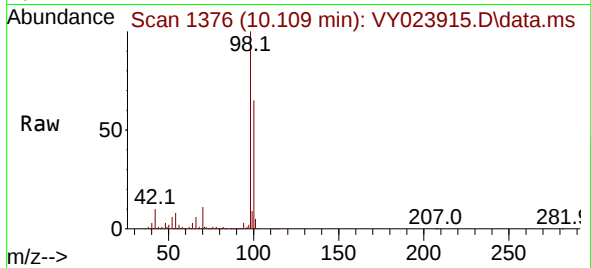




#50
Toluene-d8
Concen: 45.267 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

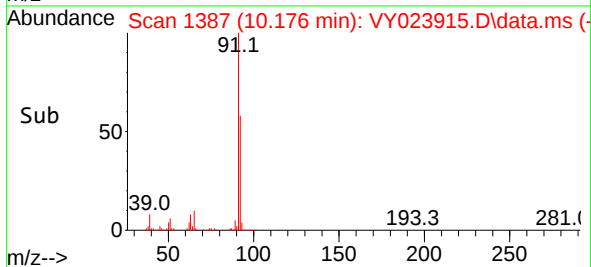
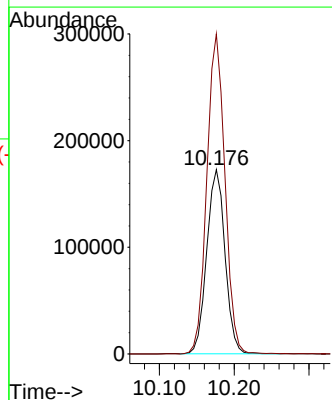
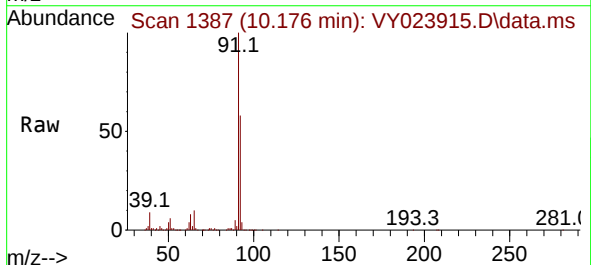
Instrument :
MSVOA_Y
ClientSampleId :
SW-9

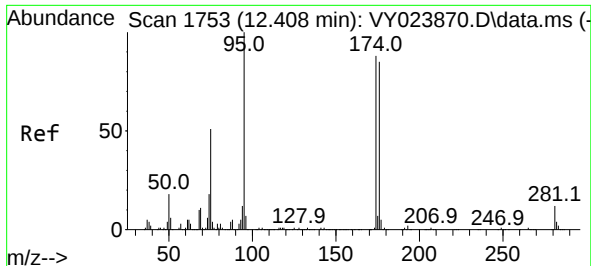
Tgt Ion: 98 Resp: 1396561
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#52
Toluene
Concen: 13.272 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

Tgt Ion: 92 Resp: 293683
Ion Ratio Lower Upper
92 100
91 172.0 137.3 205.9

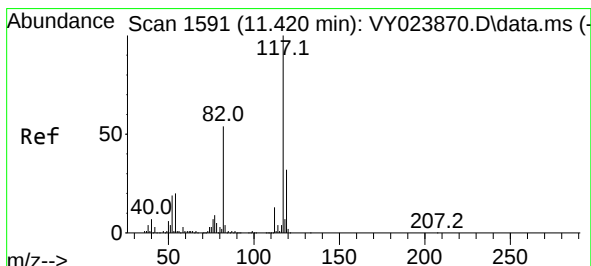
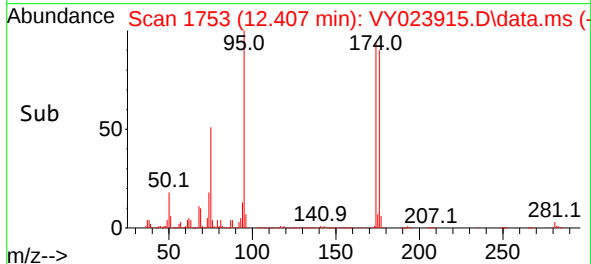
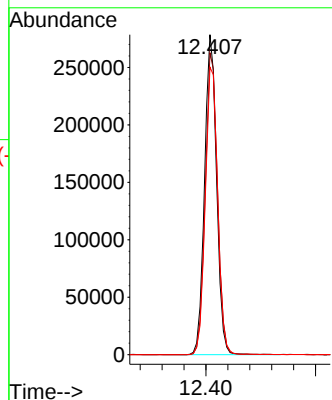
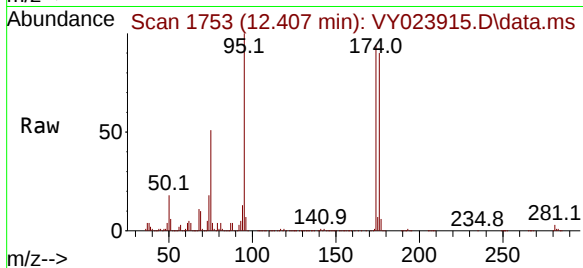




#62
4-Bromofluorobenzene
Concen: 40.088 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

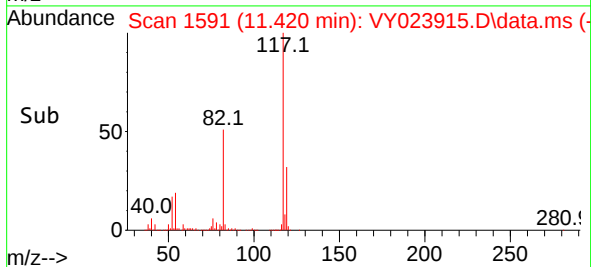
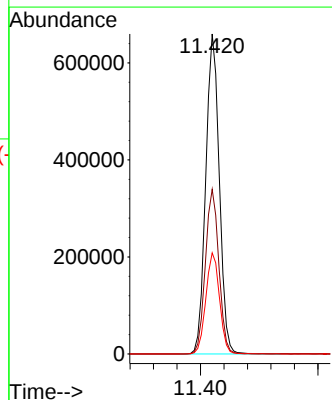
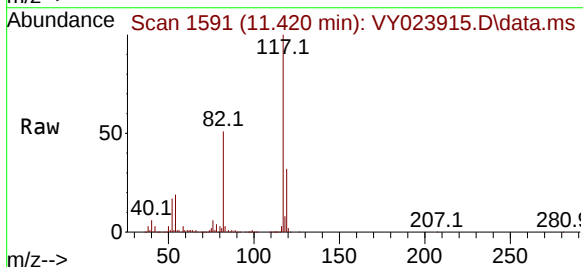
Instrument :
MSVOA_Y
ClientSampleId :
SW-9

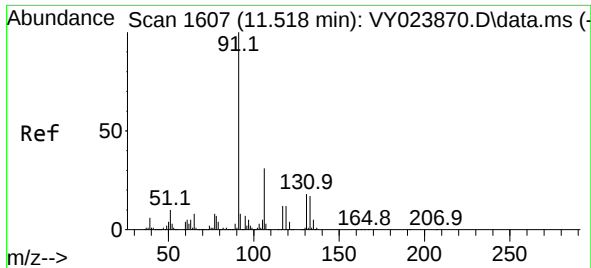
Tgt Ion: 95 Resp: 421836
Ion Ratio Lower Upper
95 100
174 95.8 0.0 169.6
176 92.6 0.0 164.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

Tgt Ion: 117 Resp: 1055575
Ion Ratio Lower Upper
117 100
82 51.4 43.1 64.7
119 31.6 26.0 39.0

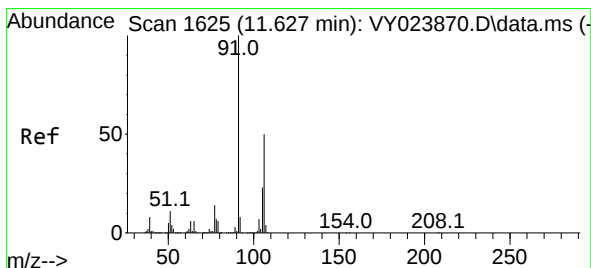
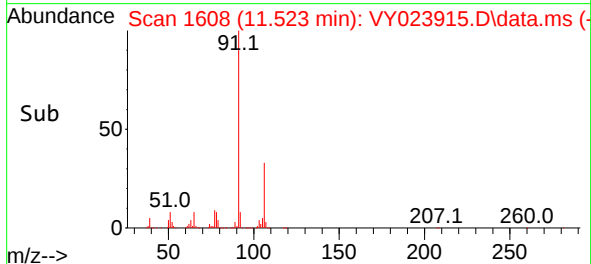
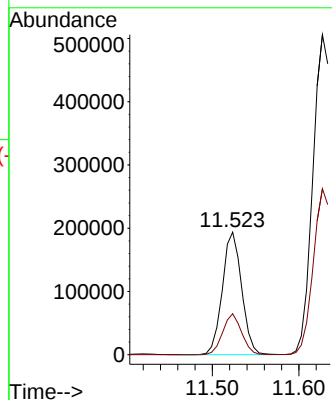
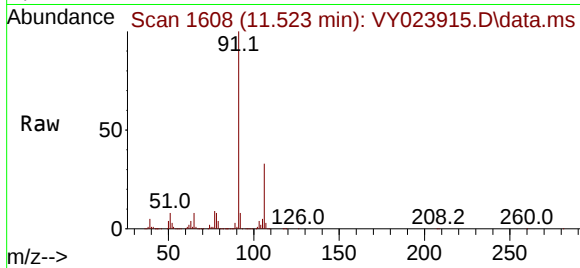




#67
Ethyl Benzene
Concen: 7.198 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

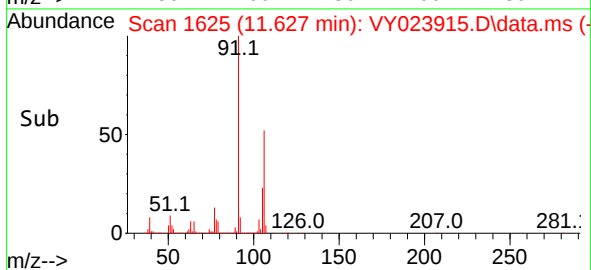
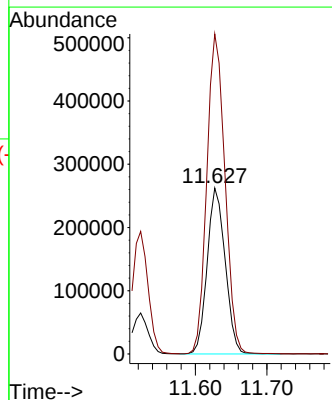
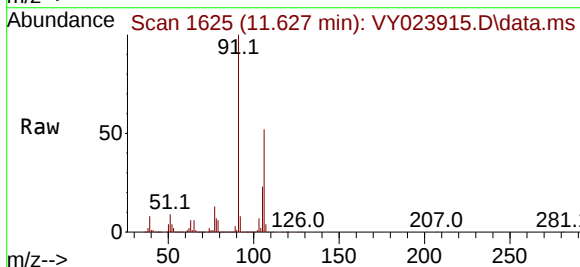
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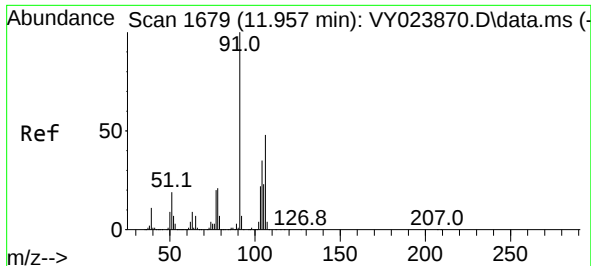
Tgt Ion: 91 Resp: 299817
Ion Ratio Lower Upper
91 100
106 33.5 25.0 37.6



#68
m/p-Xylenes
Concen: 28.792 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

Tgt Ion:106 Resp: 458367
Ion Ratio Lower Upper
106 100
91 194.5 159.7 239.5

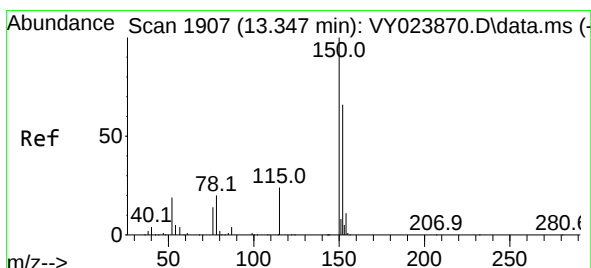
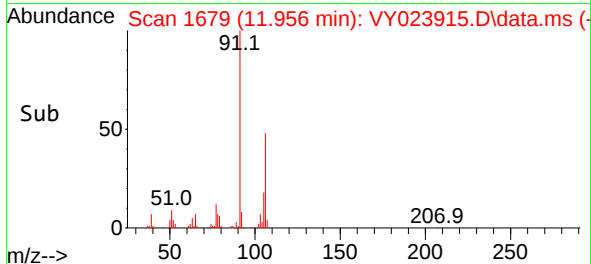
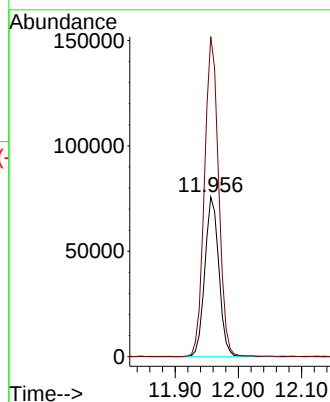
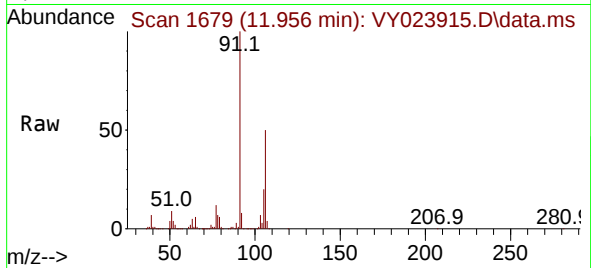




#69
o-Xylene
Concen: 7.879 ug/l
RT: 11.956 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

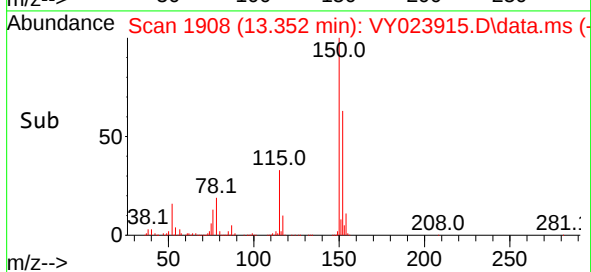
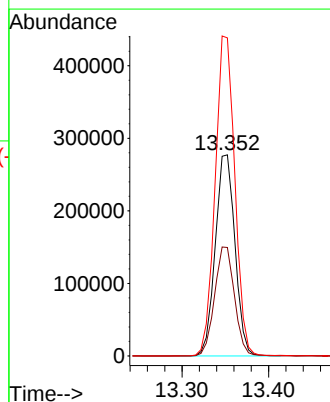
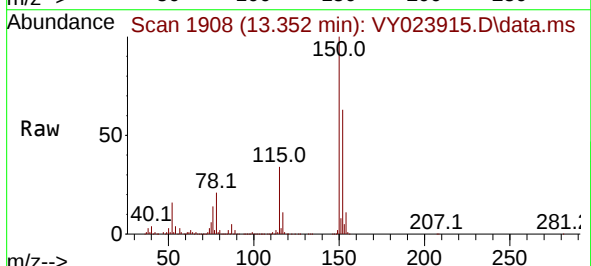
Instrument :
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ClientSampleId :
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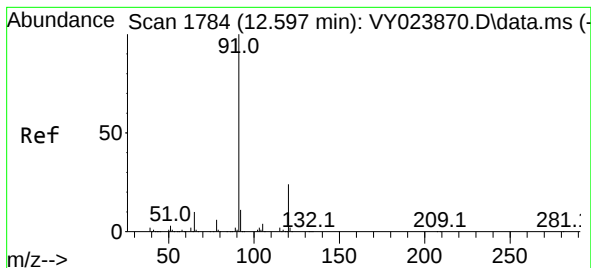
Tgt Ion:106 Resp: 117321
Ion Ratio Lower Upper
106 100
91 202.2 104.4 313.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023915.D
Acq: 09 Dec 2025 17:50

Tgt Ion:152 Resp: 438429
Ion Ratio Lower Upper
152 100
115 54.9 28.8 86.4
150 158.8 0.0 352.2





#78

n-propylbenzene

Concen: 2.032 ug/l

RT: 12.596 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023915.D

Acq: 09 Dec 2025 17:50

Instrument :

MSVOA_Y

ClientSampleId :

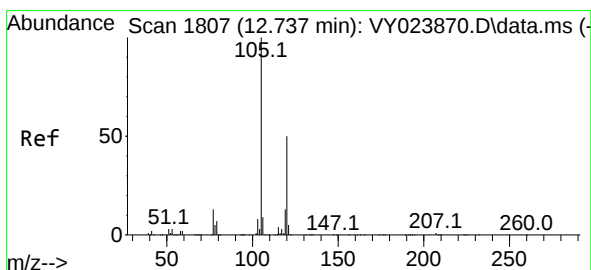
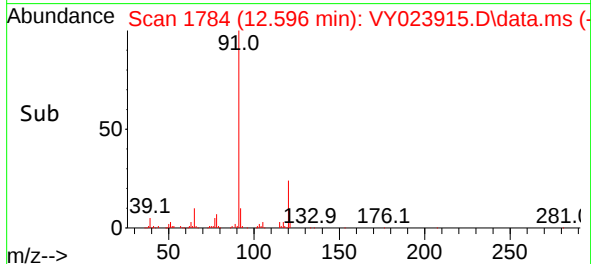
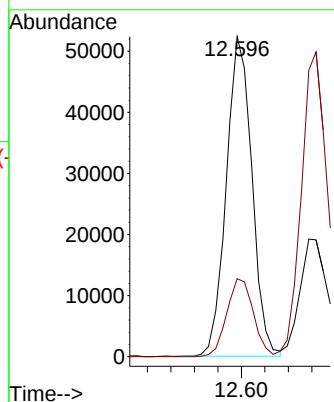
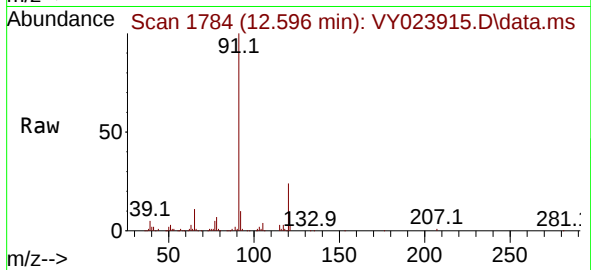
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Tgt Ion: 91 Resp: 79189

Ion Ratio Lower Upper

91 100

120 25.3 11.5 34.5



#80

1,3,5-Trimethylbenzene

Concen: 2.254 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY023915.D

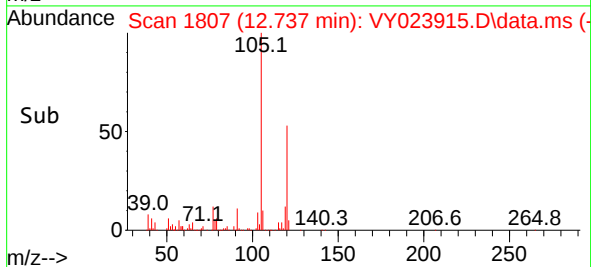
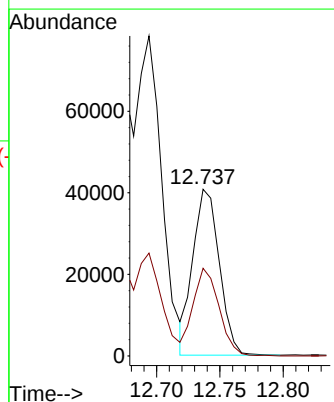
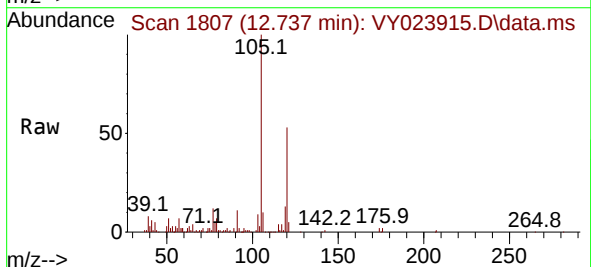
Acq: 09 Dec 2025 17:50

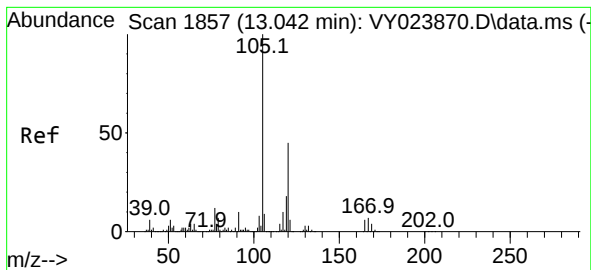
Tgt Ion:105 Resp: 59158

Ion Ratio Lower Upper

105 100

120 52.3 24.9 74.6





#84
 1,2,4-Trimethylbenzene
 Concen: 7.809 ug/l
 RT: 13.048 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY023915.D
 Acq: 09 Dec 2025 17:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-9

Tgt Ion:105 Resp: 203061
 Ion Ratio Lower Upper
 105 100
 120 47.4 22.4 67.3

