

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023951.D
 Acq On : 11 Dec 2025 13:44
 Operator : SY/MD
 Sample : Q3809-13
 Misc : 2.60g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-10

Quant Time: Dec 12 03:22:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

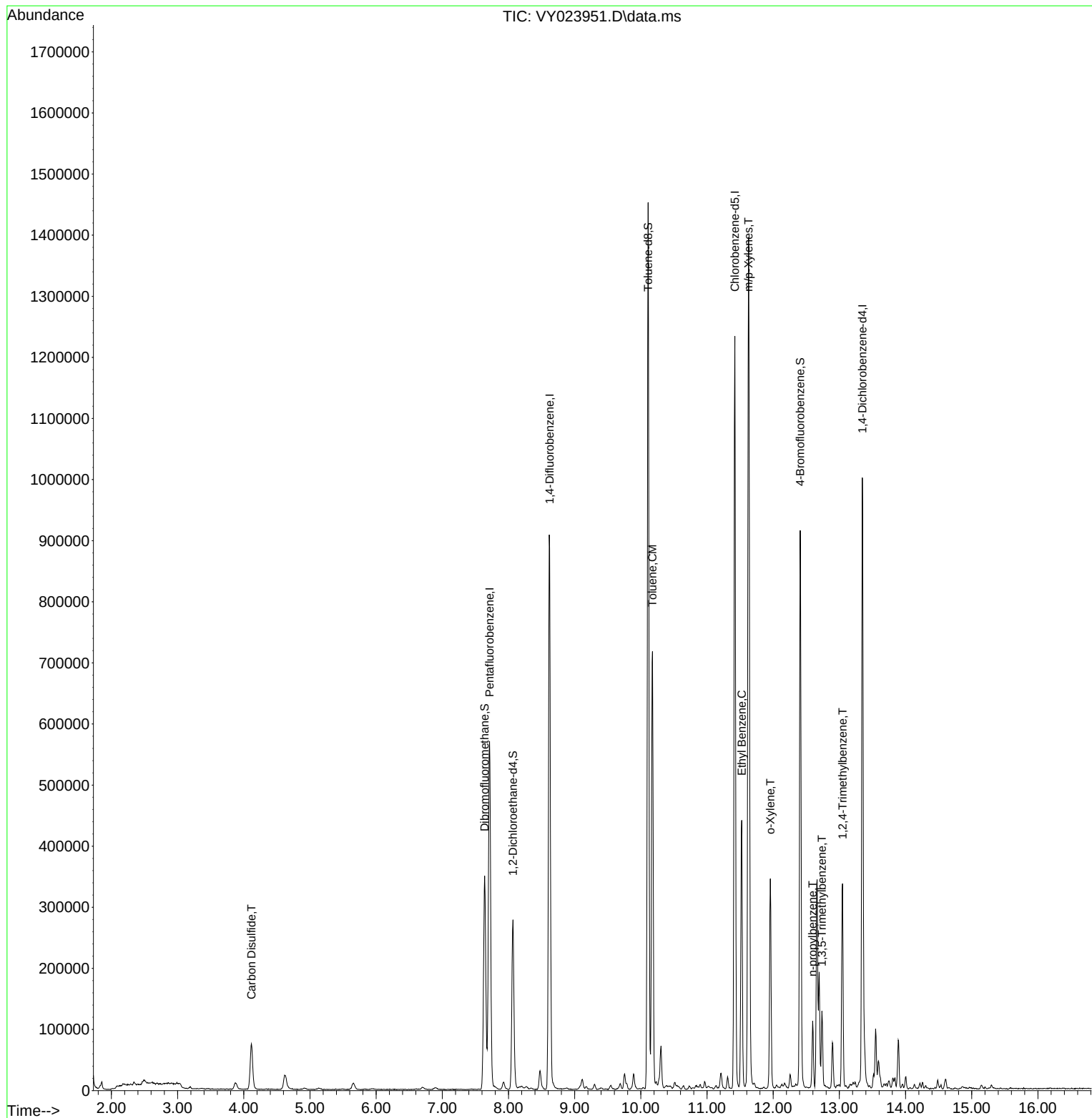
Internal Standards						
1) Pentafluorobenzene	7.713	168	478655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	811026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	675906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	269387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	217448	51.382	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.760%	
35) Dibromofluoromethane	7.640	113	250002	47.156	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.320%	
50) Toluene-d8	10.109	98	923039	46.764	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.520%	
62) 4-Bromofluorobenzene	12.408	95	263911	40.036	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.080%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.117	76	151294	13.116	ug/l	100
52) Toluene	10.176	92	307416	21.137	ug/l	99
67) Ethyl Benzene	11.524	91	300135	11.437	ug/l	98
68) m/p-Xylenes	11.627	106	435795	41.834	ug/l	100
69) o-Xylene	11.957	106	92584	9.501	ug/l	100
78) n-propylbenzene	12.597	91	78857	3.443	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	54228	3.453	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	182070	11.702	ug/l	99

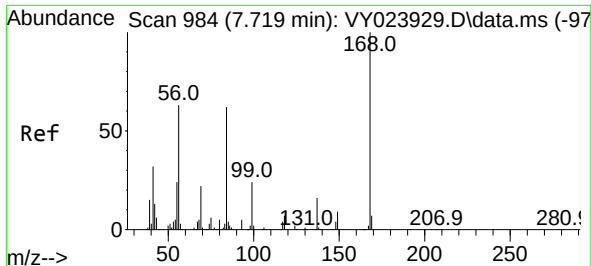
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 11 03:57:51 2025
Response via : Initial Calibration

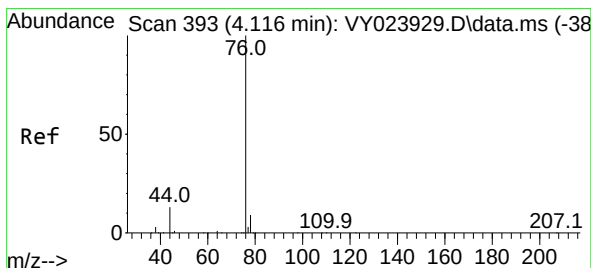
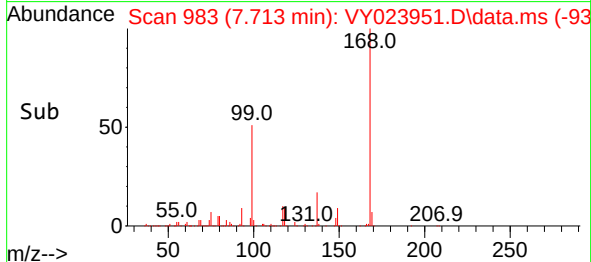
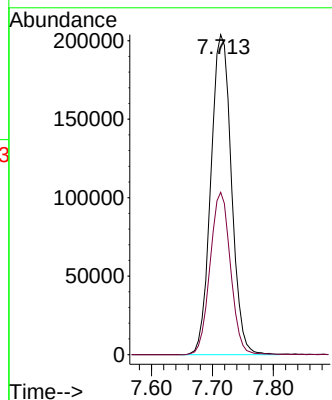
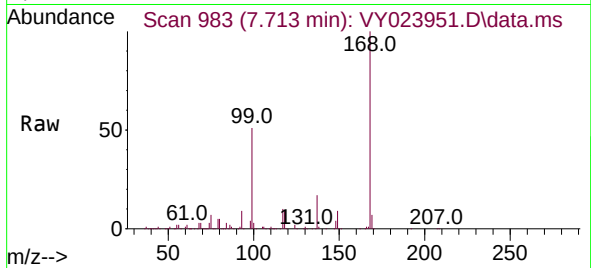




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 984
Delta R.T. -0.006 min
Lab File: VY023951.D
Acq: 11 Dec 2025 13:44

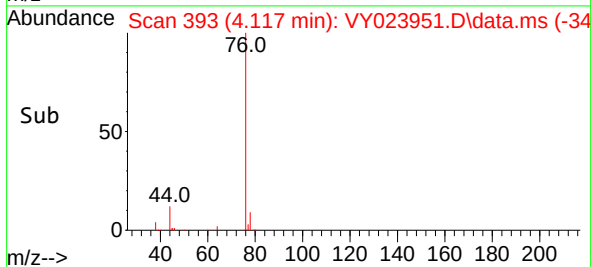
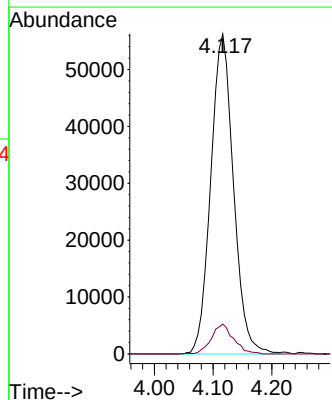
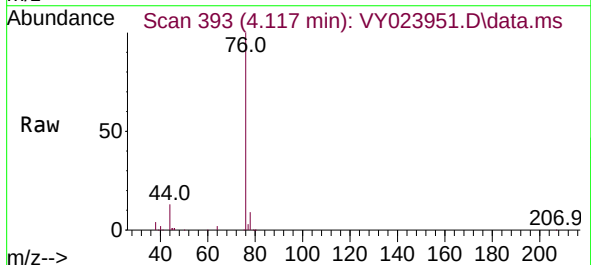
Instrument :
MSVOA_Y
ClientSampleId :
SW-10

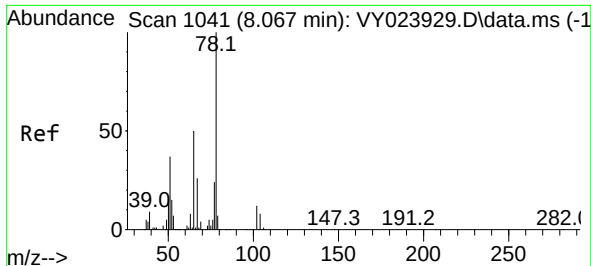
Tgt Ion:168 Resp: 478655
Ion Ratio Lower Upper
168 100
99 50.7 38.9 58.3



#17
Carbon Disulfide
Concen: 13.116 ug/l
RT: 4.117 min Scan# 393
Delta R.T. 0.000 min
Lab File: VY023951.D
Acq: 11 Dec 2025 13:44

Tgt Ion: 76 Resp: 151294
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2





#33

1,2-Dichloroethane-d4

Concen: 51.382 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY023951.D

Acq: 11 Dec 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

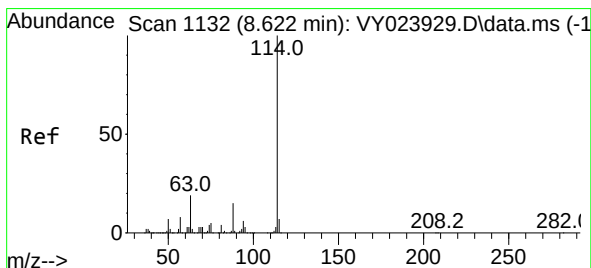
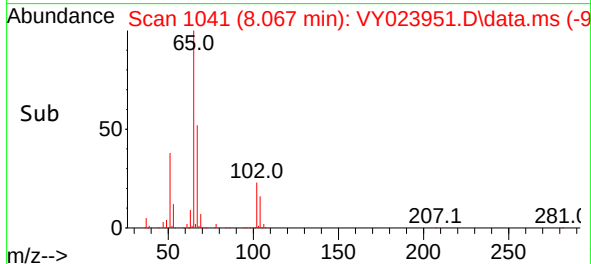
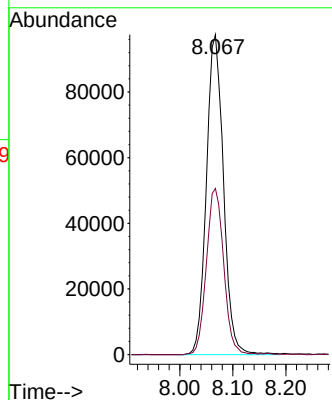
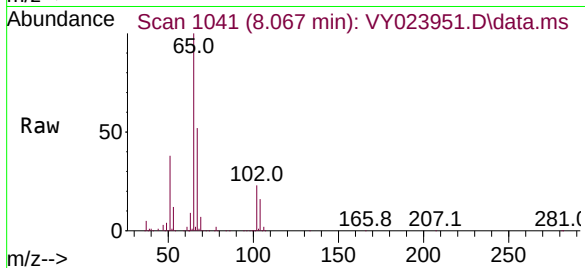
SW-10

Tgt Ion: 65 Resp: 217448

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VY023951.D

Acq: 11 Dec 2025 13:44

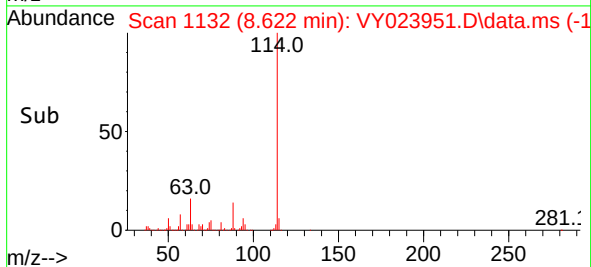
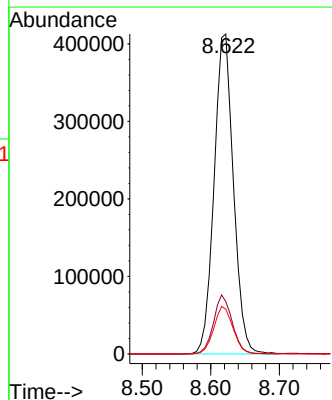
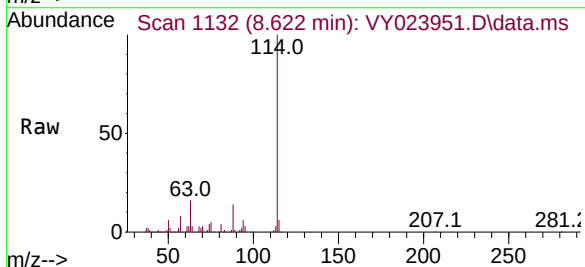
Tgt Ion: 114 Resp: 811026

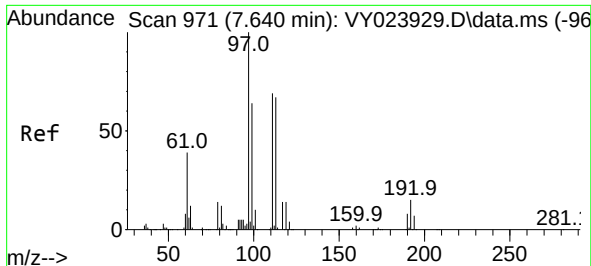
Ion Ratio Lower Upper

114 100

63 16.3 0.0 37.2

88 14.0 0.0 29.4

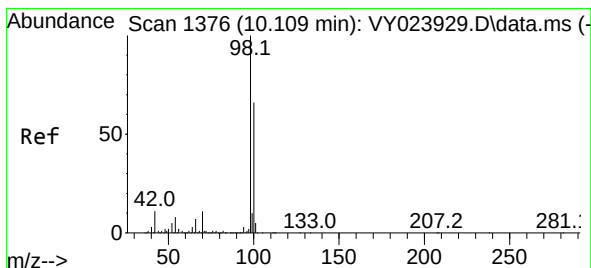
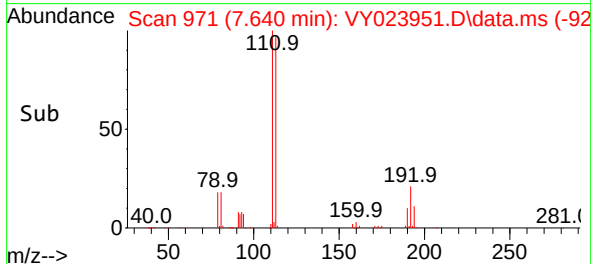
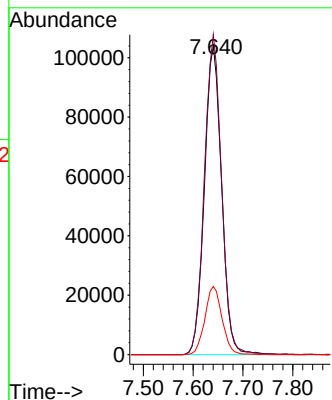
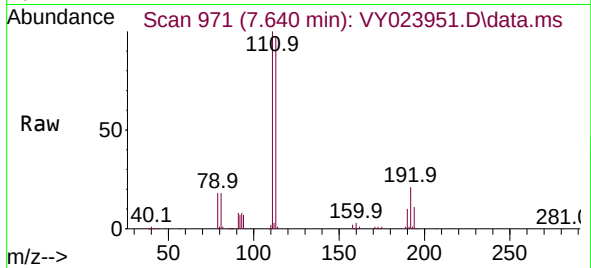




#35
Dibromofluoromethane
Concen: 47.156 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023951.D
Acq: 11 Dec 2025 13:44

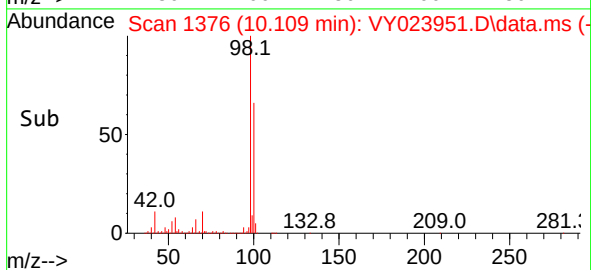
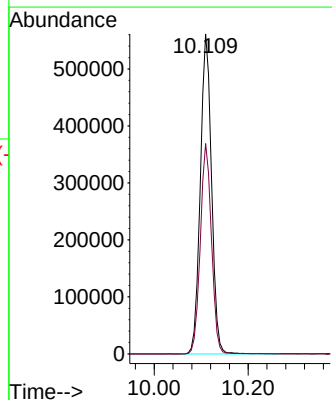
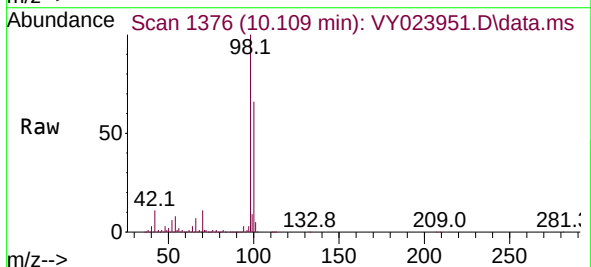
Instrument :
MSVOA_Y
ClientSampleId :
SW-10

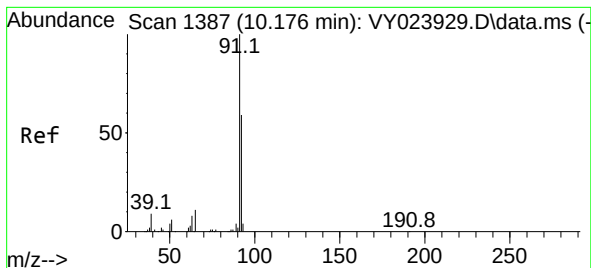
Tgt Ion:113 Resp: 250002
Ion Ratio Lower Upper
113 100
111 103.3 82.4 123.6
192 22.0 17.9 26.9



#50
Toluene-d8
Concen: 46.764 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023951.D
Acq: 11 Dec 2025 13:44

Tgt Ion: 98 Resp: 923039
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2





#52

Toluene

Concen: 21.137 ug/l

RT: 10.176 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VY023951.D

Acq: 11 Dec 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

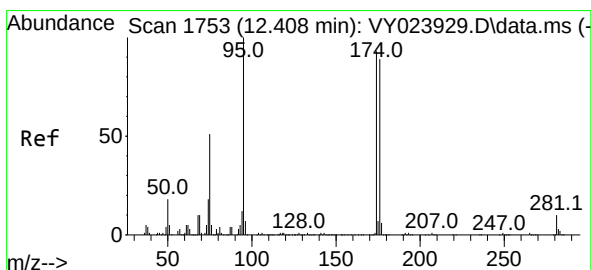
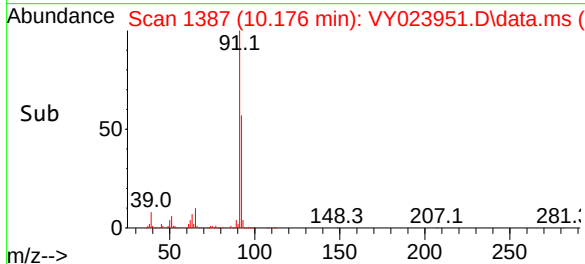
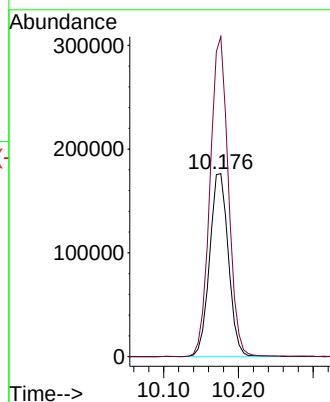
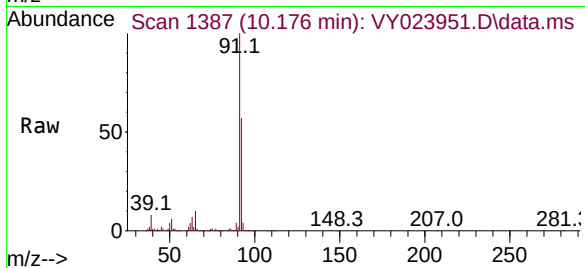
SW-10

Tgt Ion: 92 Resp: 307416

Ion Ratio Lower Upper

92 100

91 170.7 135.8 203.6



#62

4-Bromofluorobenzene

Concen: 40.036 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY023951.D

Acq: 11 Dec 2025 13:44

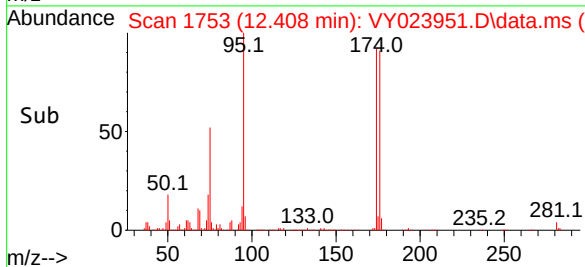
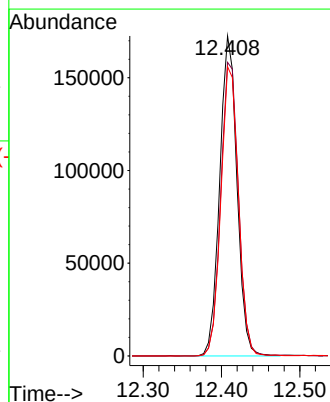
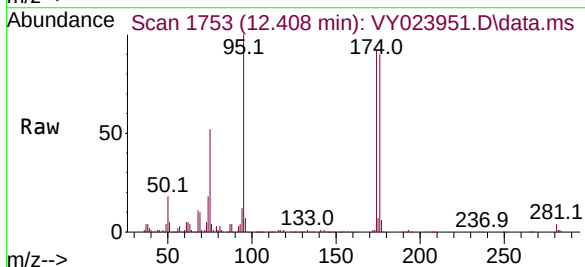
Tgt Ion: 95 Resp: 263911

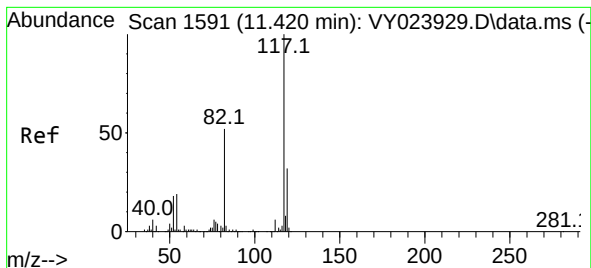
Ion Ratio Lower Upper

95 100

174 94.0 0.0 187.4

176 91.7 0.0 179.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023951.D

Acq: 11 Dec 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

SW-10

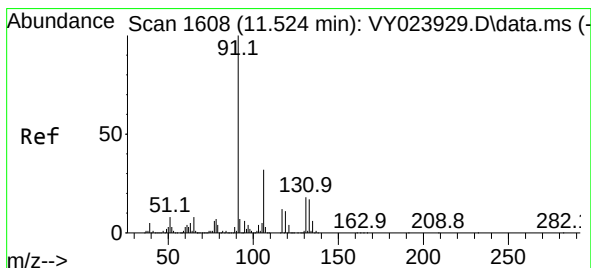
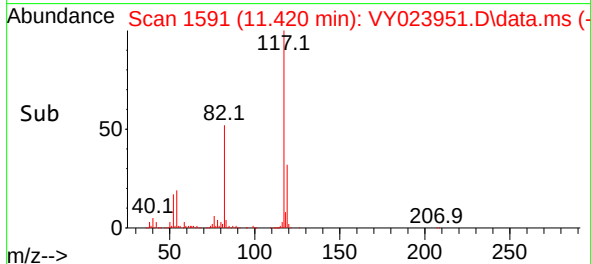
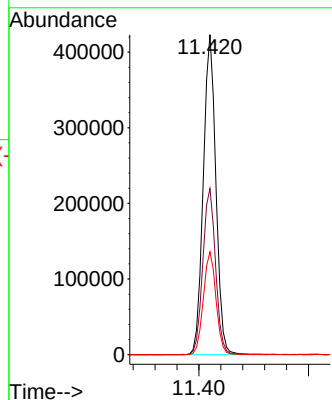
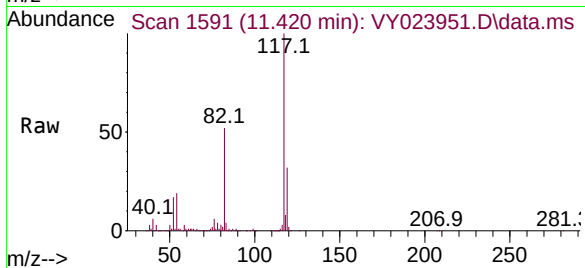
Tgt Ion:117 Resp: 675906

Ion Ratio Lower Upper

117 100

82 51.9 41.4 62.2

119 32.1 25.5 38.3



#67

Ethyl Benzene

Concen: 11.437 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.000 min

Lab File: VY023951.D

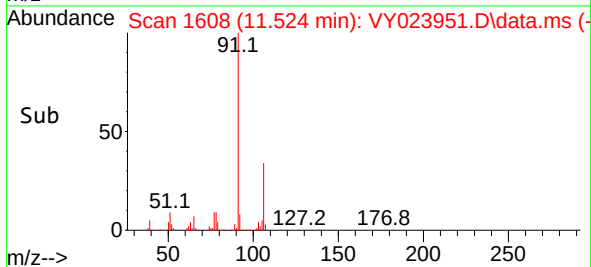
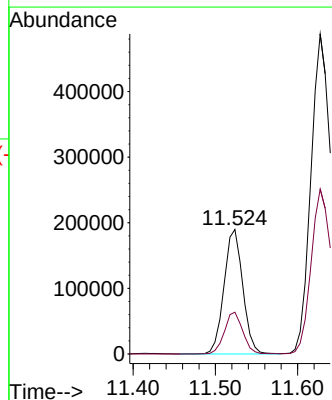
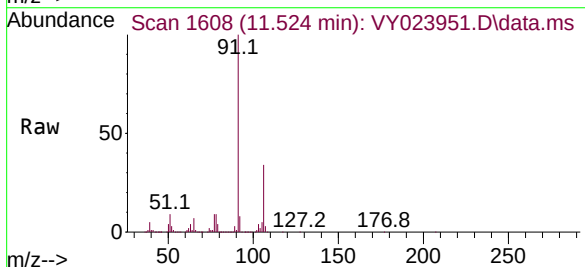
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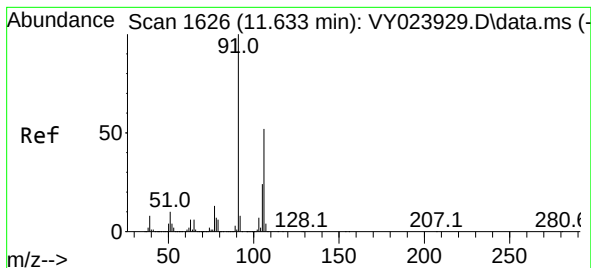
Tgt Ion: 91 Resp: 300135

Ion Ratio Lower Upper

91 100

106 33.5 25.8 38.8

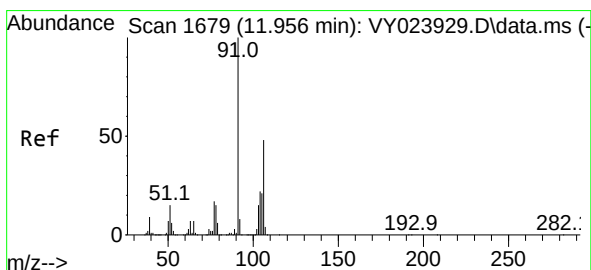
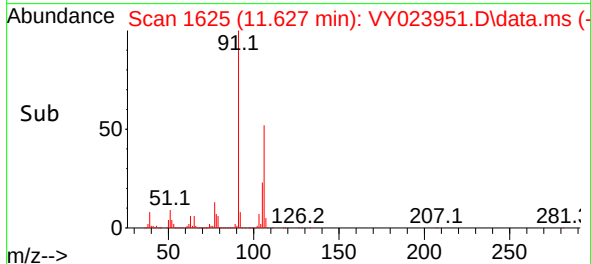
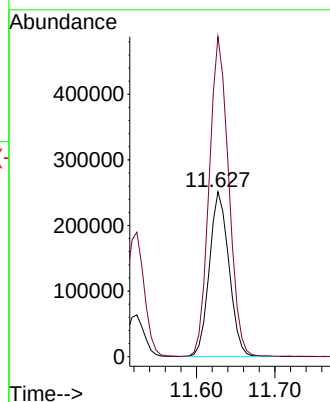
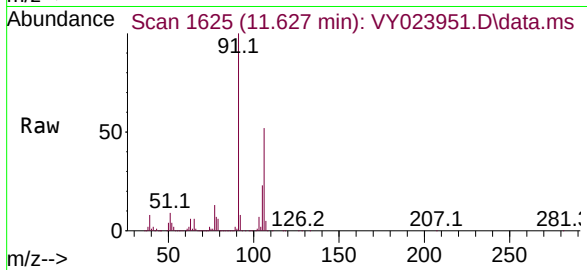




#68
m/p-Xylenes
Concen: 41.834 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY023951.D
Acq: 11 Dec 2025 13:44

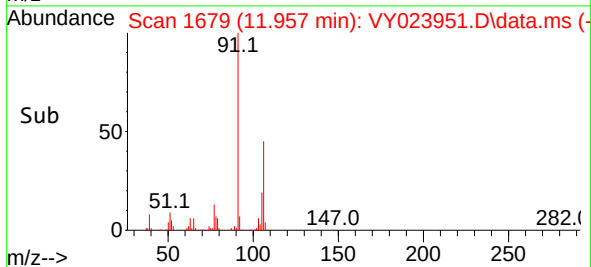
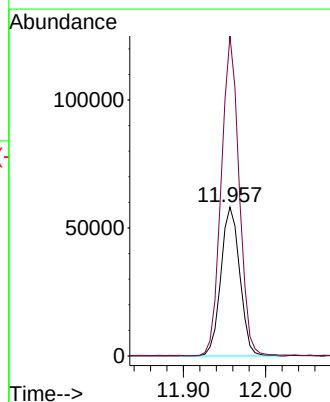
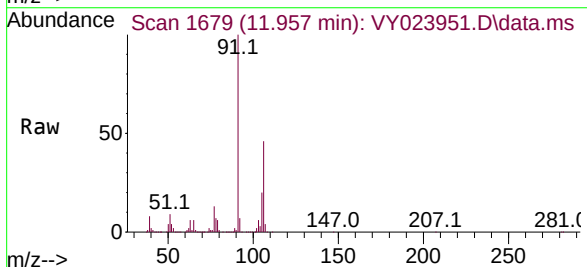
Instrument :
MSVOA_Y
ClientSampleId :
SW-10

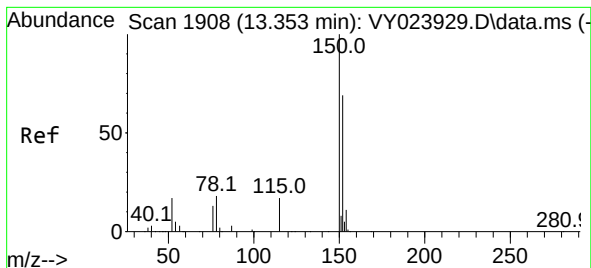
Tgt Ion:106 Resp: 435795
Ion Ratio Lower Upper
106 100
91 194.0 155.0 232.6



#69
o-Xylene
Concen: 9.501 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023951.D
Acq: 11 Dec 2025 13:44

Tgt Ion:106 Resp: 92584
Ion Ratio Lower Upper
106 100
91 204.3 102.1 306.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY023951.D

Acq: 11 Dec 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

SW-10

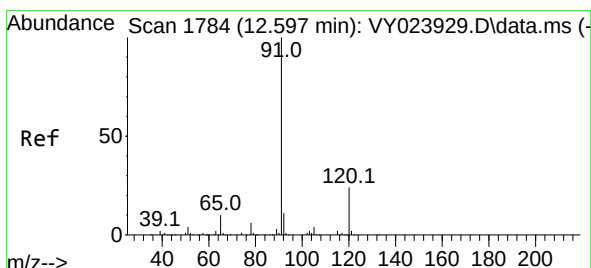
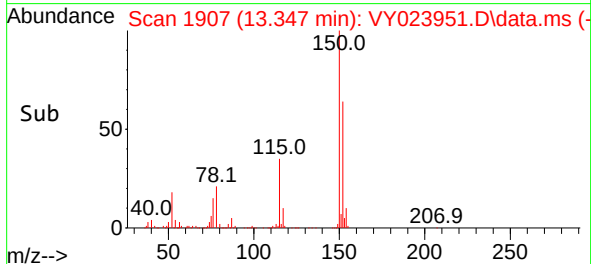
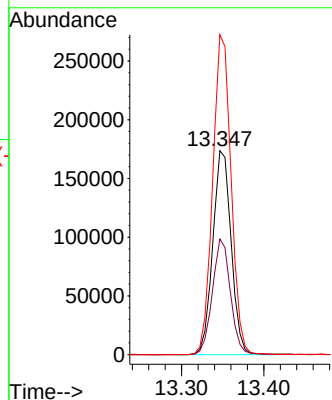
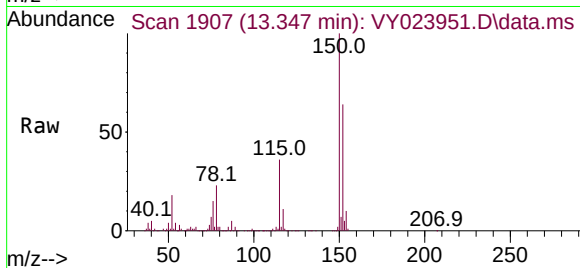
Tgt Ion:152 Resp: 269387

Ion Ratio Lower Upper

152 100

115 55.9 27.3 81.9

150 157.0 0.0 347.6



#78

n-propylbenzene

Concen: 3.443 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY023951.D

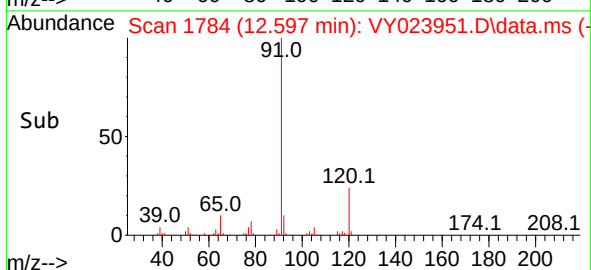
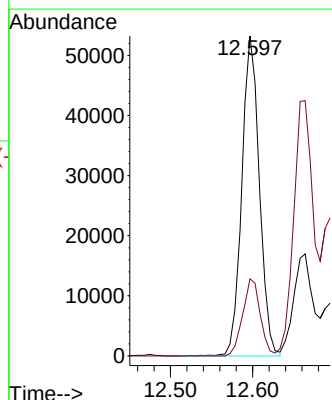
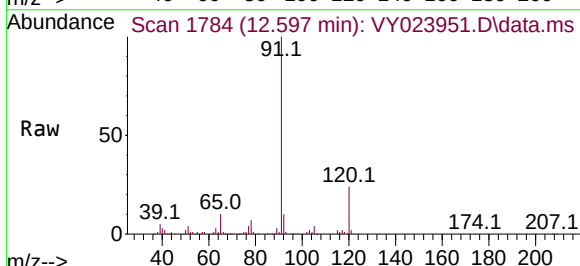
Acq: 11 Dec 2025 13:44

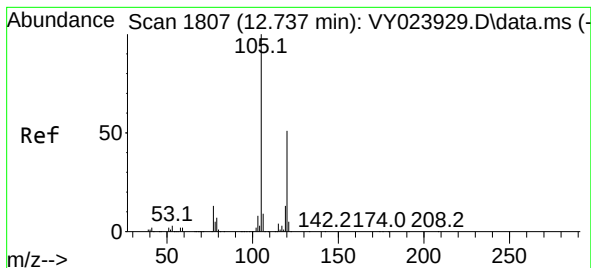
Tgt Ion: 91 Resp: 78857

Ion Ratio Lower Upper

91 100

120 24.0 12.0 36.0





#80

1,3,5-Trimethylbenzene

Concen: 3.453 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023951.D

Acq: 11 Dec 2025 13:44

Instrument :

MSVOA_Y

ClientSampleId :

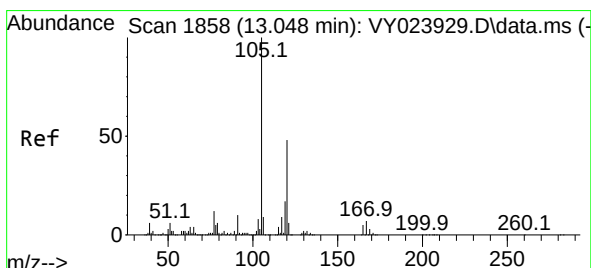
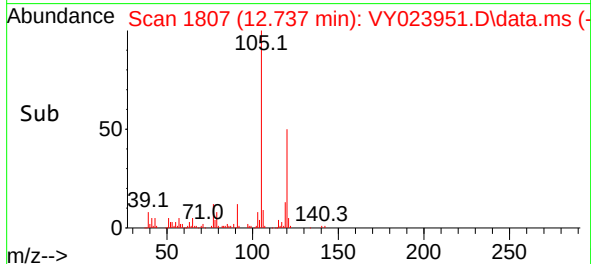
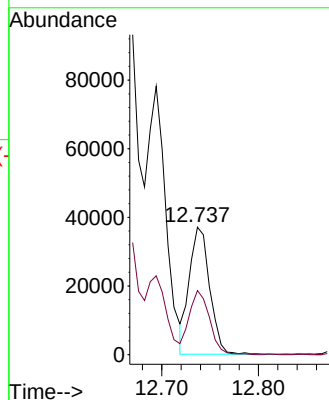
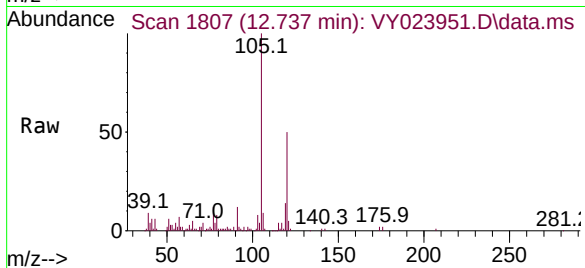
SW-10

Tgt Ion:105 Resp: 54228

Ion Ratio Lower Upper

105 100

120 50.3 25.7 77.1



#84

1,2,4-Trimethylbenzene

Concen: 11.702 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VY023951.D

Acq: 11 Dec 2025 13:44

Tgt Ion:105 Resp: 182070

Ion Ratio Lower Upper

105 100

120 47.6 23.4 70.3

