

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023913.D
 Acq On : 09 Dec 2025 17:03
 Operator : SY/MD
 Sample : Q3809-10
 Misc : 2.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-7

Quant Time: Dec 10 02:31:14 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)

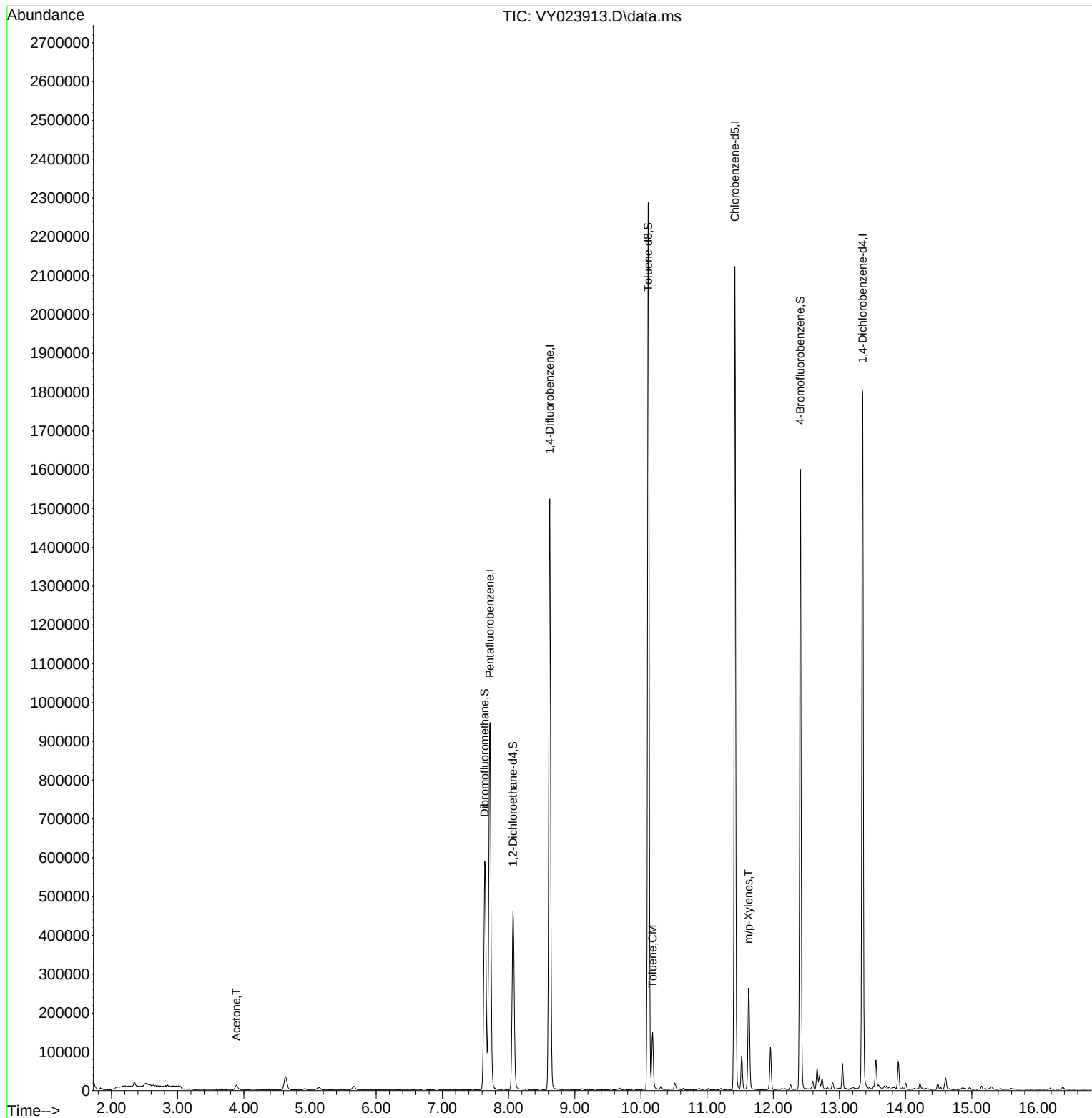
Internal Standards						
1) Pentafluorobenzene	7.719	168	794892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1368696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1161620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	489817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	362907	45.638	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.280%
35) Dibromofluoromethane	7.640	113	419279	47.762	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.520%
50) Toluene-d8	10.109	98	1550572	45.391	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.780%
62) 4-Bromofluorobenzene	12.407	95	470310	40.365	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.740%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	21257	8.921	ug/l	92
52) Toluene	10.176	92	61833	2.524	ug/l	99
68) m/p-Xylenes	11.627	106	86224	4.922	ug/l	94

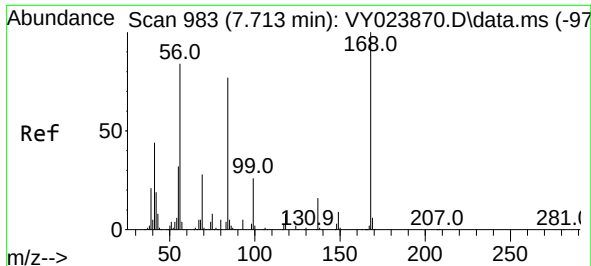
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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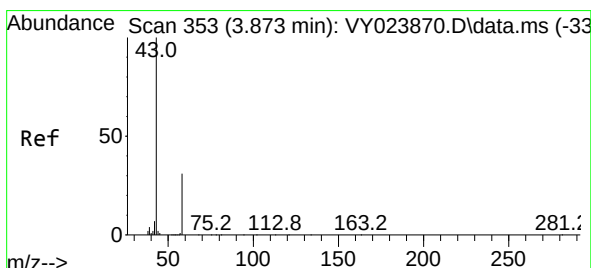
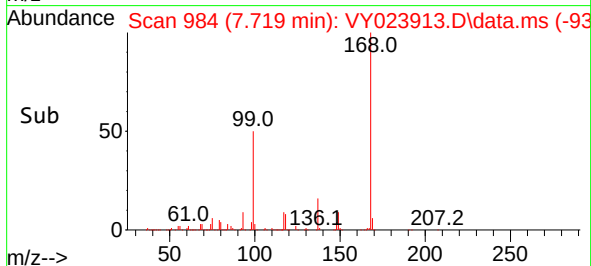
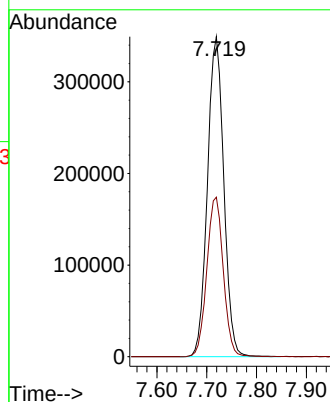
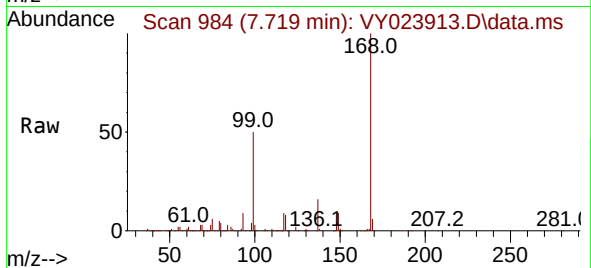




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023913.D
Acq: 09 Dec 2025 17:03

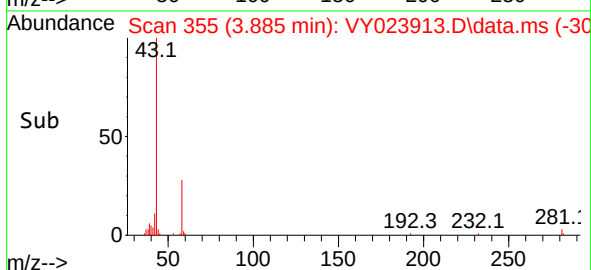
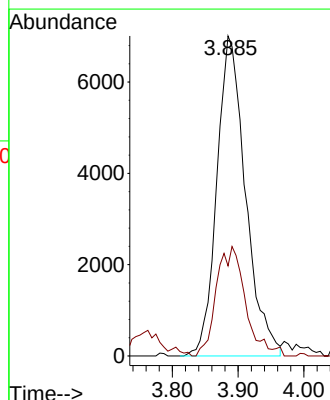
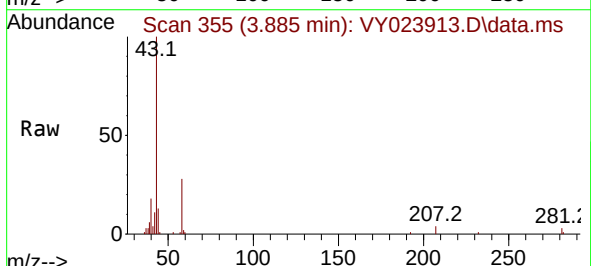
Instrument :
MSVOA_Y
ClientSampleId :
SW-7

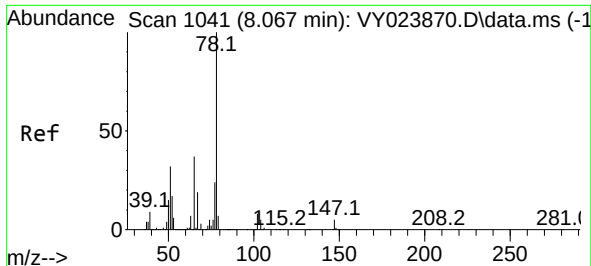
Tgt Ion:168 Resp: 794892
Ion Ratio Lower Upper
168 100
99 49.8 42.5 63.7



#16
Acetone
Concen: 8.921 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY023913.D
Acq: 09 Dec 2025 17:03

Tgt Ion: 43 Resp: 21257
Ion Ratio Lower Upper
43 100
58 26.7 25.1 37.7





#33

1,2-Dichloroethane-d4

Concen: 45.638 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY023913.D

Acq: 09 Dec 2025 17:03

Instrument :

MSVOA_Y

ClientSampleId :

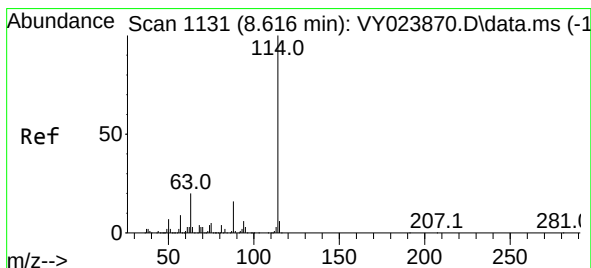
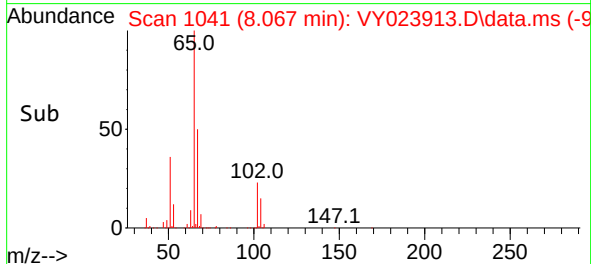
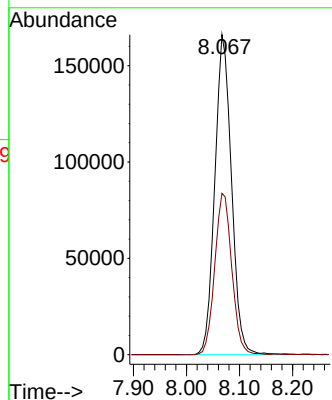
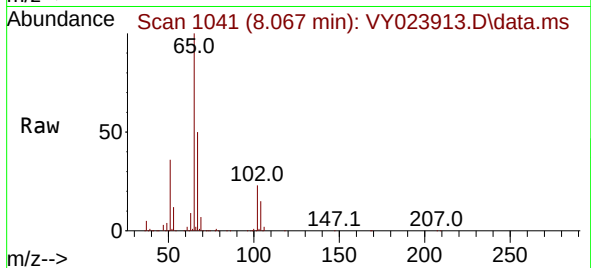
SW-7

Tgt Ion: 65 Resp: 362907

Ion Ratio Lower Upper

65 100

67 51.5 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: VY023913.D

Acq: 09 Dec 2025 17:03

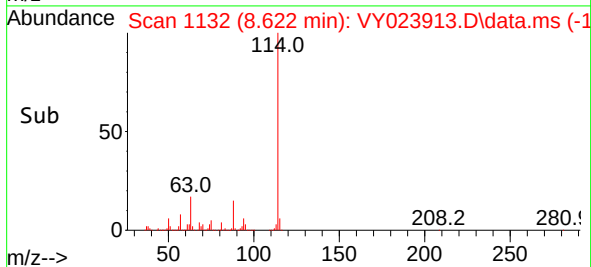
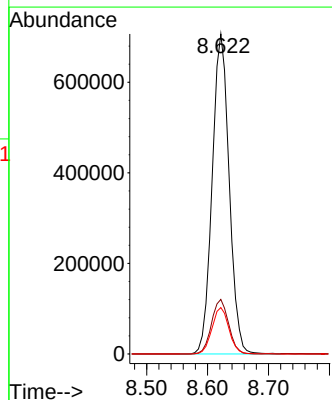
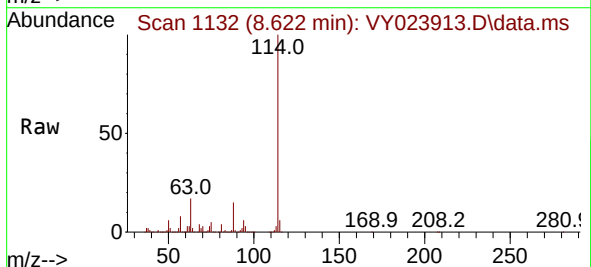
Tgt Ion:114 Resp: 1368696

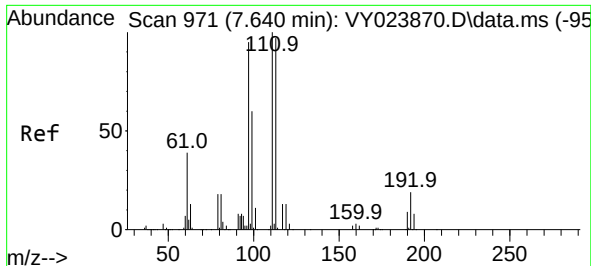
Ion Ratio Lower Upper

114 100

63 17.0 0.0 39.2

88 14.5 0.0 31.4

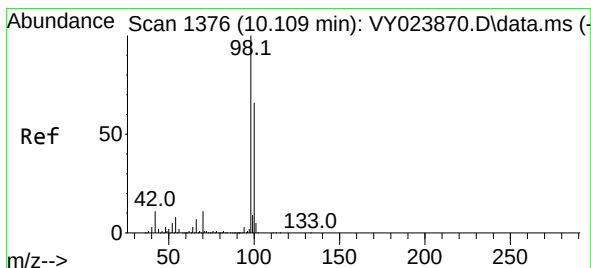
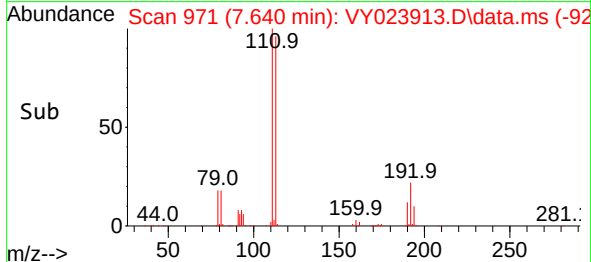
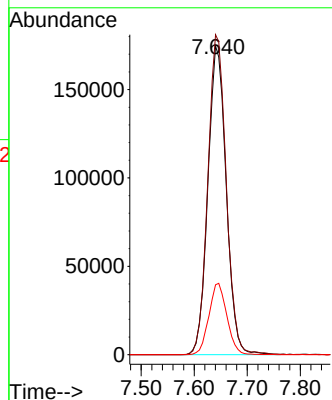
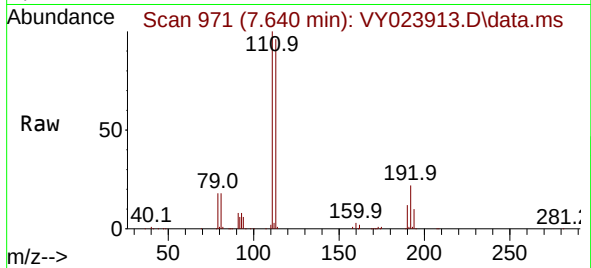




#35
Dibromofluoromethane
Concen: 47.762 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023913.D
Acq: 09 Dec 2025 17:03

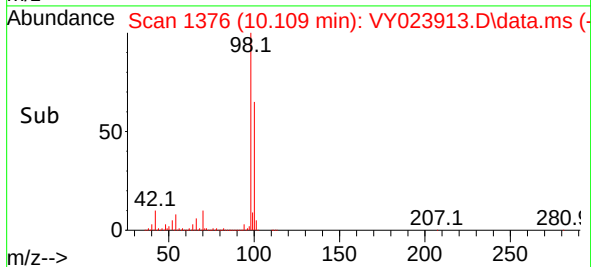
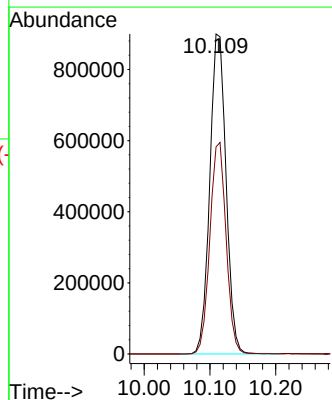
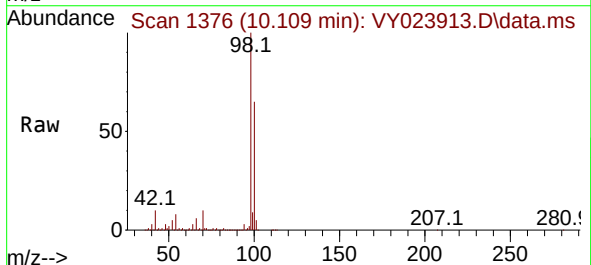
Instrument :
MSVOA_Y
ClientSampleId :
SW-7

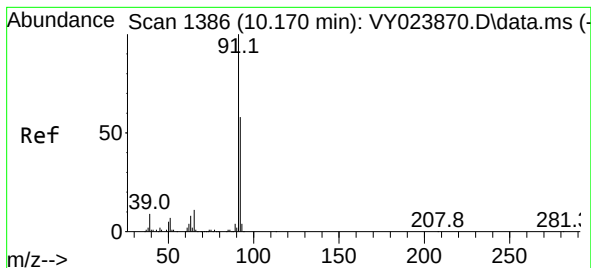
Tgt Ion:113 Resp: 419279
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.2
192 22.7 15.8 23.8



#50
Toluene-d8
Concen: 45.391 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023913.D
Acq: 09 Dec 2025 17:03

Tgt Ion: 98 Resp: 1550572
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7





#52

Toluene

Concen: 2.524 ug/l

RT: 10.176 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023913.D

Acq: 09 Dec 2025 17:03

Instrument :

MSVOA_Y

ClientSampleId :

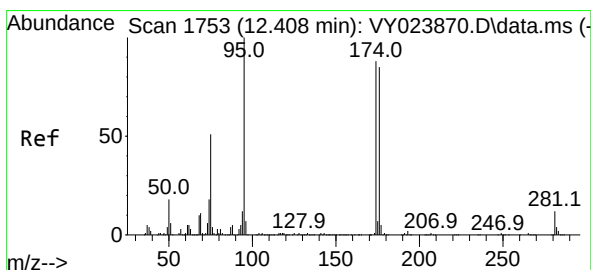
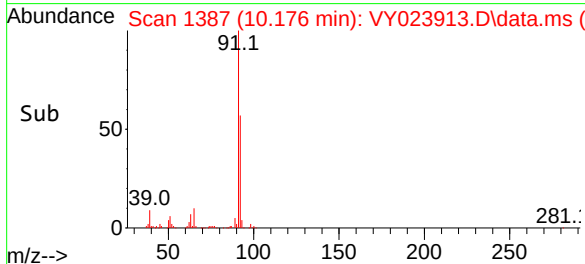
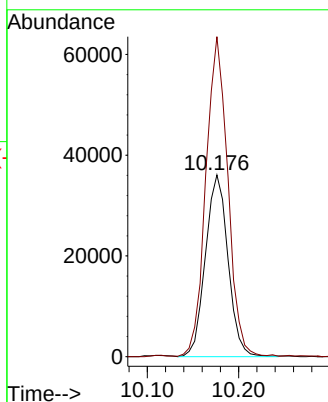
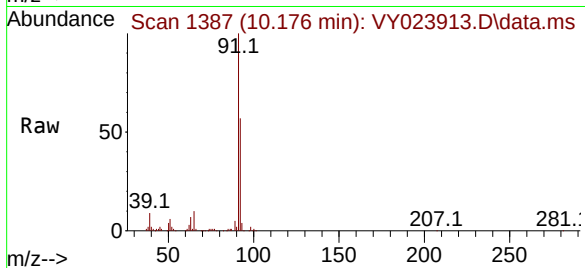
SW-7

Tgt Ion: 92 Resp: 61833

Ion Ratio Lower Upper

92 100

91 170.5 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 40.365 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY023913.D

Acq: 09 Dec 2025 17:03

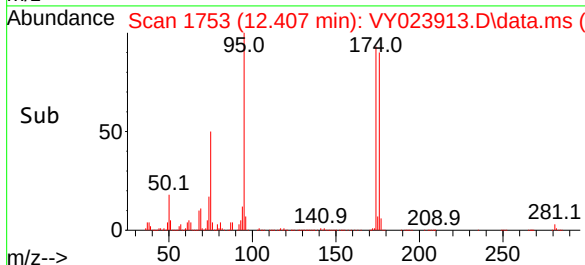
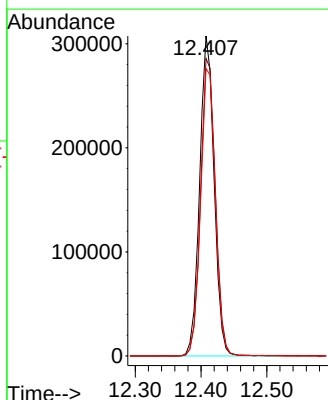
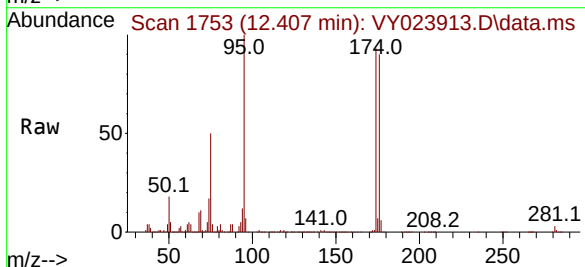
Tgt Ion: 95 Resp: 470310

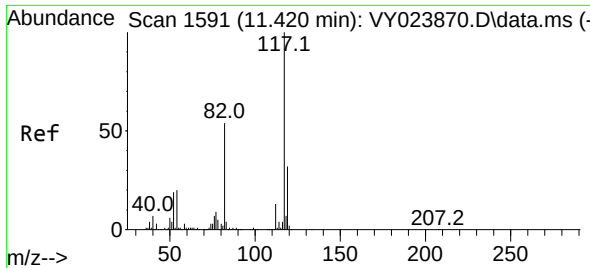
Ion Ratio Lower Upper

95 100

174 95.2 0.0 169.6

176 91.9 0.0 164.4

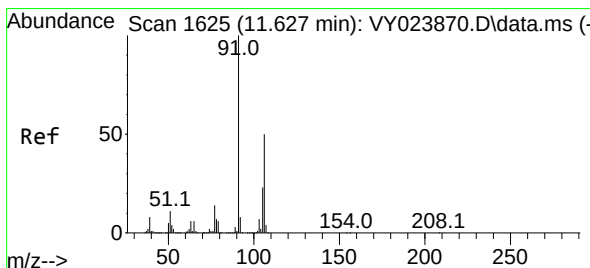
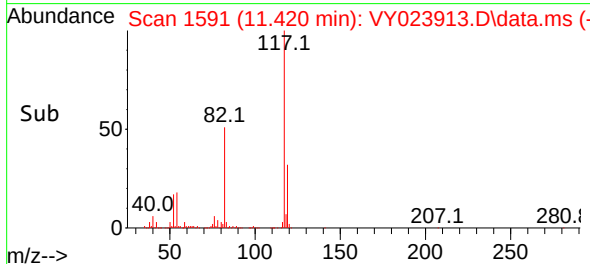
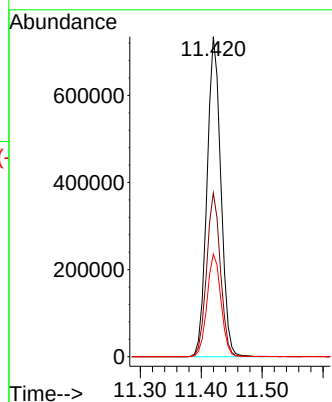
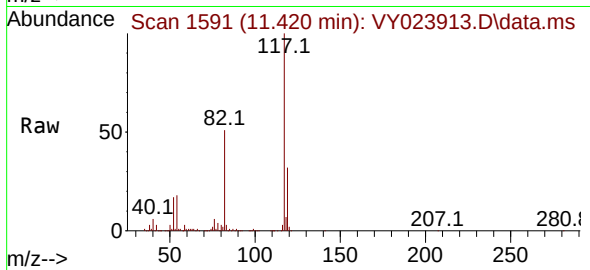




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY023913.D
Acq: 09 Dec 2025 17:03

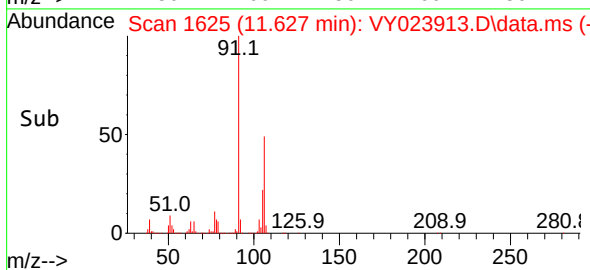
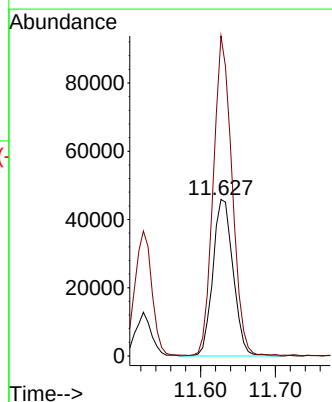
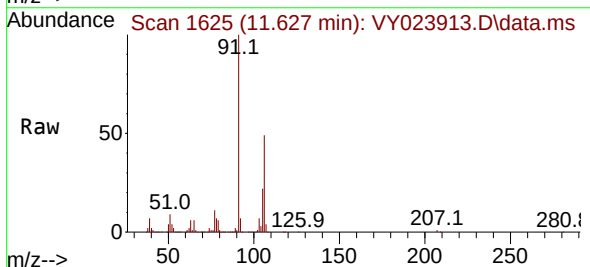
Instrument :
MSVOA_Y
ClientSampleId :
SW-7

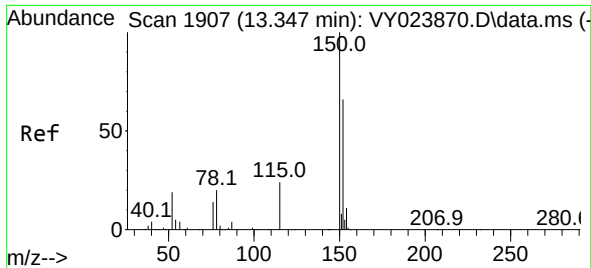
Tgt Ion:117 Resp: 1161620
Ion Ratio Lower Upper
117 100
82 51.2 43.1 64.7
119 32.0 26.0 39.0



#68
m/p-Xylenes
Concen: 4.922 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023913.D
Acq: 09 Dec 2025 17:03

Tgt Ion:106 Resp: 86224
Ion Ratio Lower Upper
106 100
91 189.8 159.7 239.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY023913.D
 Acq: 09 Dec 2025 17:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-7

Tgt Ion:152 Resp: 489817

Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.8	86.4
150	158.5	0.0	352.2

