

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023950.D
 Acq On : 11 Dec 2025 13:15
 Operator : SY/MD
 Sample : Q3809-12
 Misc : 2.50g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-9

Quant Time: Dec 12 03:22:33 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)

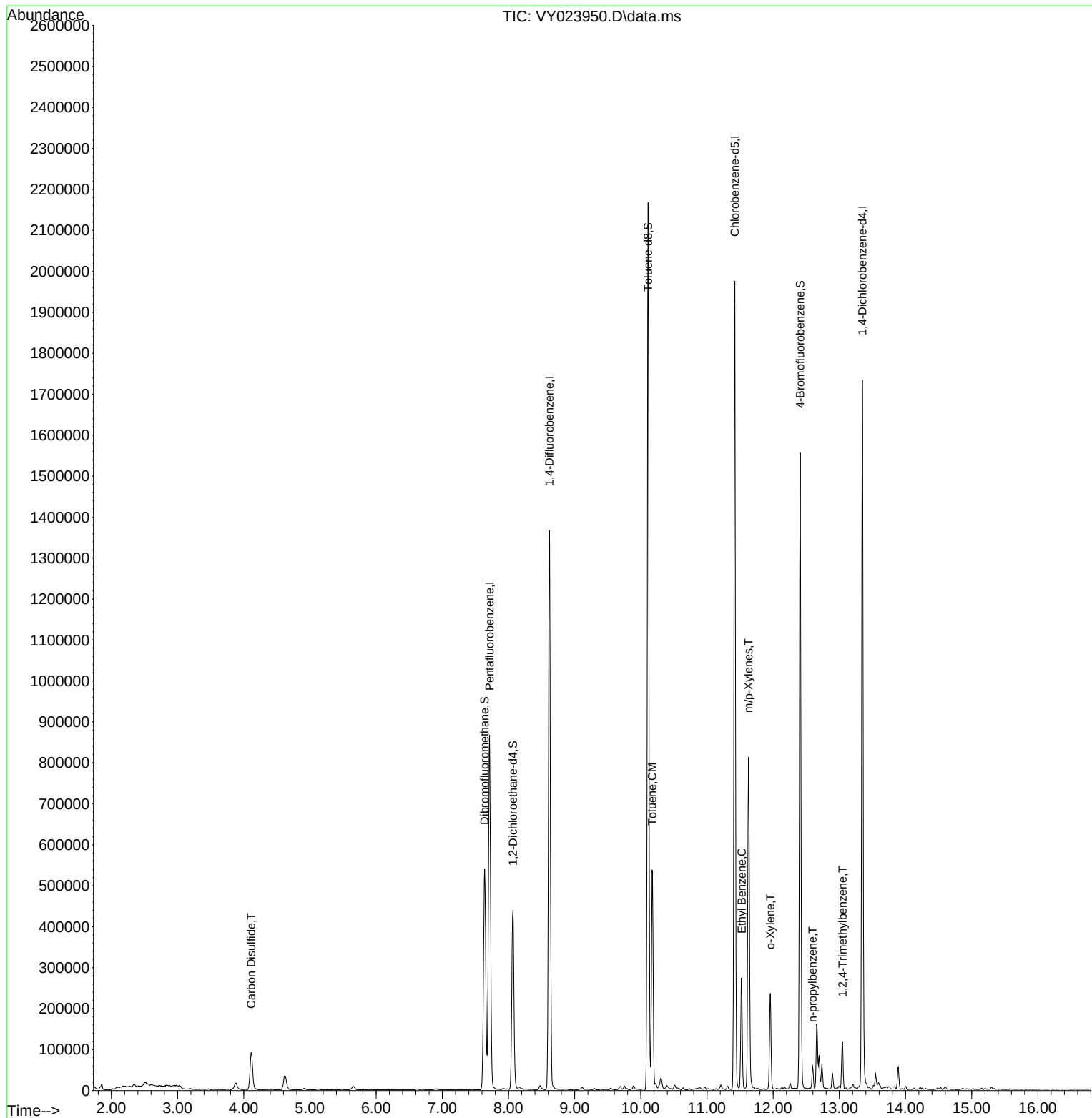
Internal Standards						
1) Pentafluorobenzene	7.713	168	707180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1222963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1086423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	458594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	355407	56.842	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.680%
35) Dibromofluoromethane	7.640	113	389614	48.736	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.480%
50) Toluene-d8	10.109	98	1403021	47.138	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.280%
62) 4-Bromofluorobenzene	12.408	95	445606	44.830	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.660%
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.110	76	190065	11.152	ug/l	98
52) Toluene	10.170	92	229429	10.461	ug/l	98
67) Ethyl Benzene	11.524	91	189423	4.491	ug/l	100
68) m/p-Xylenes	11.627	106	255895	15.283	ug/l	99
69) o-Xylene	11.956	106	62335	3.980	ug/l	95
78) n-propylbenzene	12.597	91	39072	1.002	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	65892	2.488	ug/l	99

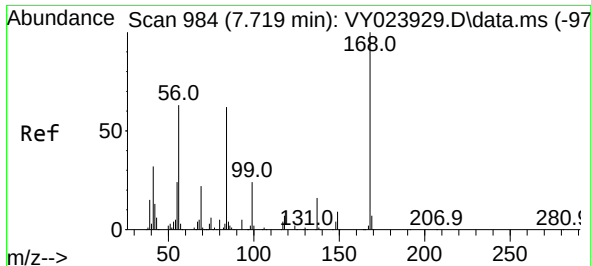
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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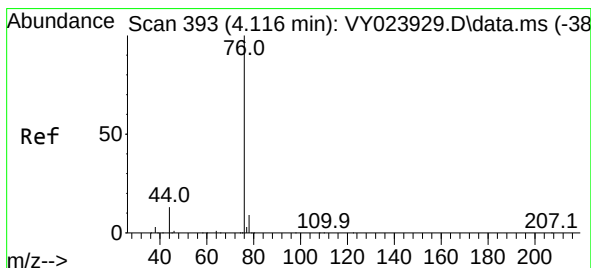
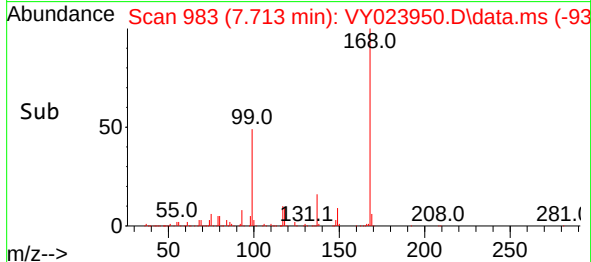
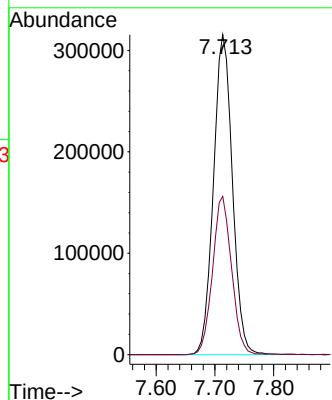
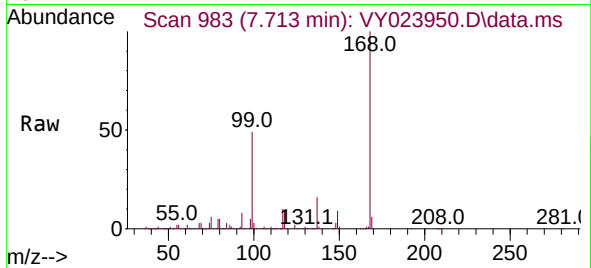




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 984
Delta R.T. -0.006 min
Lab File: VY023950.D
Acq: 11 Dec 2025 13:15

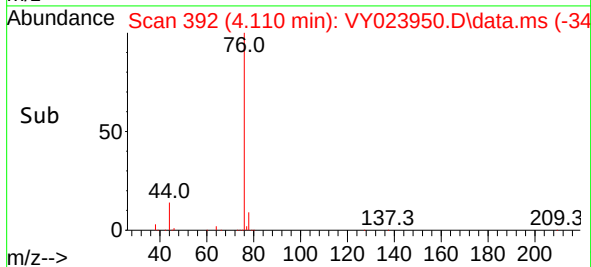
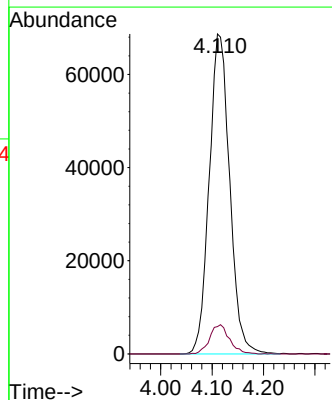
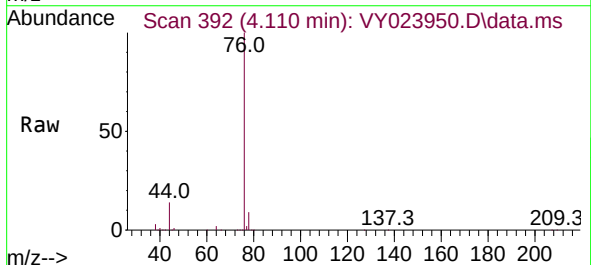
Instrument :
MSVOA_Y
ClientSampleId :
SW-9

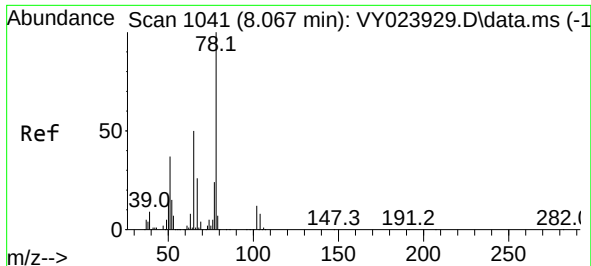
Tgt Ion:168 Resp: 707180
Ion Ratio Lower Upper
168 100
99 49.5 38.9 58.3



#17
Carbon Disulfide
Concen: 11.152 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.006 min
Lab File: VY023950.D
Acq: 11 Dec 2025 13:15

Tgt Ion: 76 Resp: 190065
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2





#33

1,2-Dichloroethane-d4

Concen: 56.842 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY023950.D

Acq: 11 Dec 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

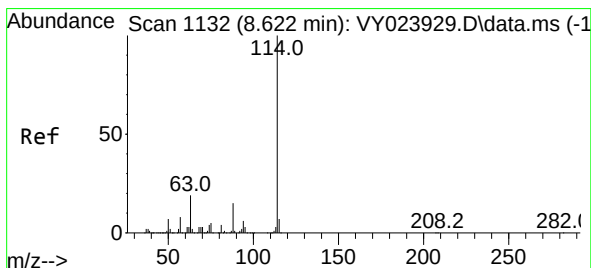
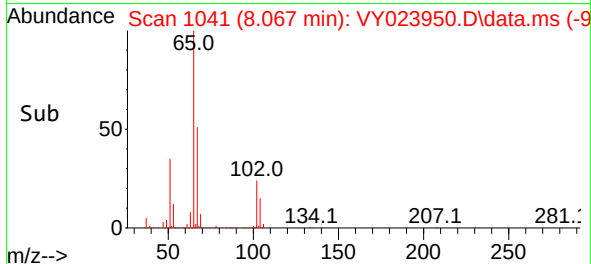
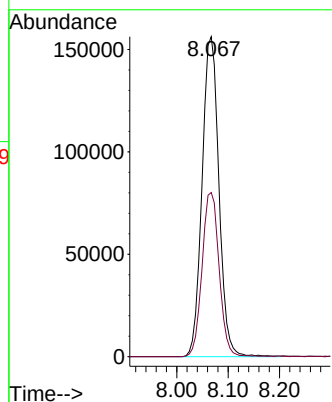
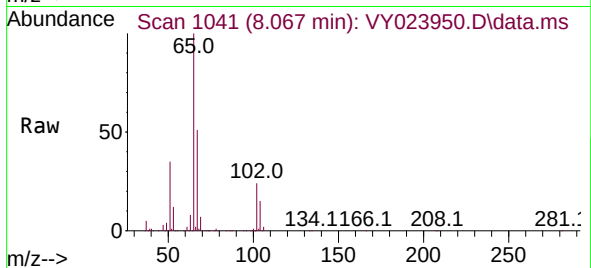
SW-9

Tgt Ion: 65 Resp: 355407

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY023950.D

Acq: 11 Dec 2025 13:15

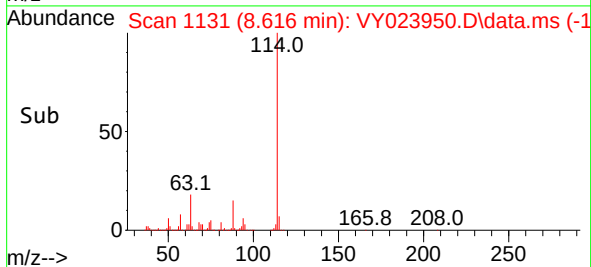
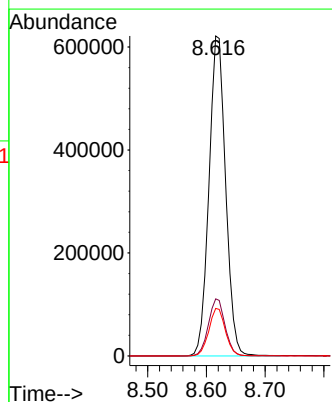
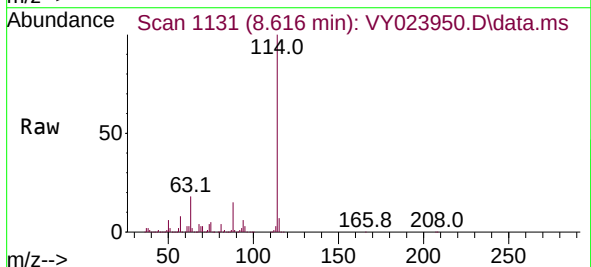
Tgt Ion: 114 Resp: 1222963

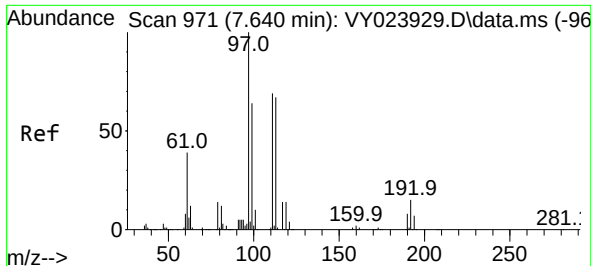
Ion Ratio Lower Upper

114 100

63 17.8 0.0 37.2

88 14.8 0.0 29.4

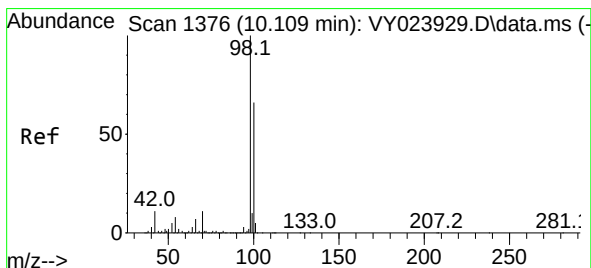
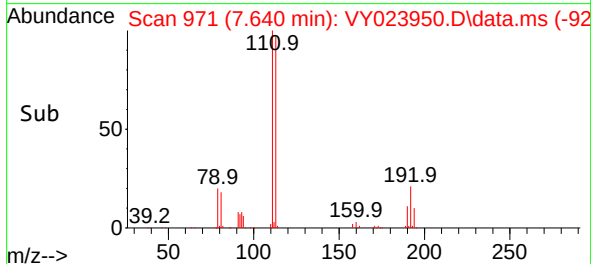
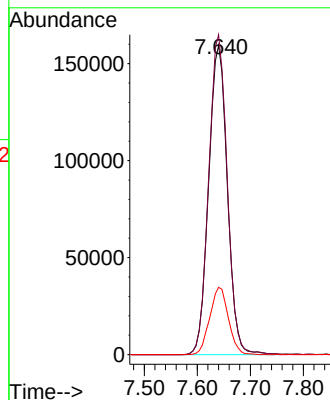
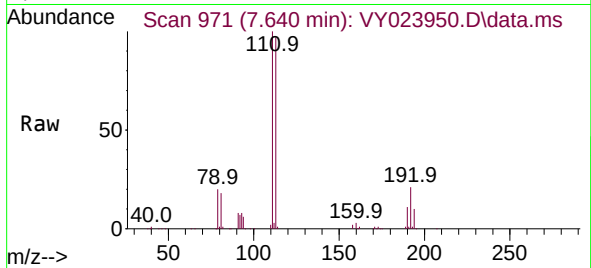




#35
Dibromofluoromethane
Concen: 48.736 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023950.D
Acq: 11 Dec 2025 13:15

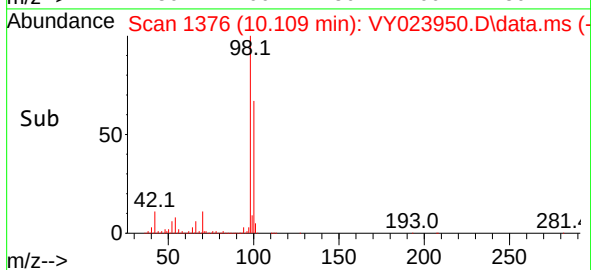
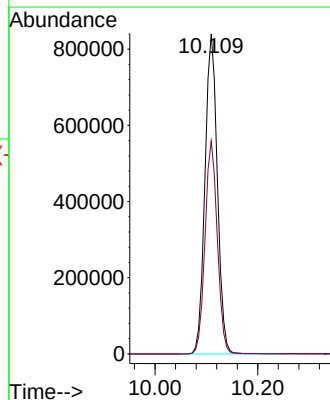
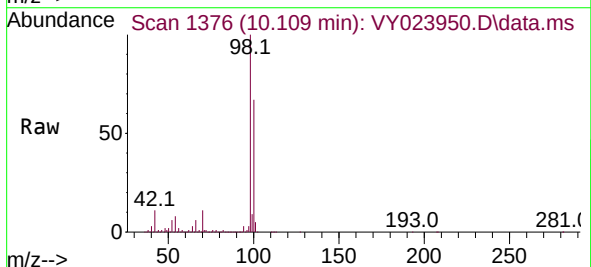
Instrument :
MSVOA_Y
ClientSampleId :
SW-9

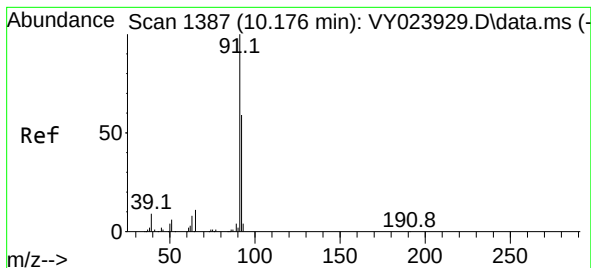
Tgt Ion:113 Resp: 389614
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 21.7 17.9 26.9



#50
Toluene-d8
Concen: 47.138 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023950.D
Acq: 11 Dec 2025 13:15

Tgt Ion: 98 Resp: 1403021
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2





#52

Toluene

Concen: 10.461 ug/l

RT: 10.170 min Scan# 1387

Delta R.T. -0.006 min

Lab File: VY023950.D

Acq: 11 Dec 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

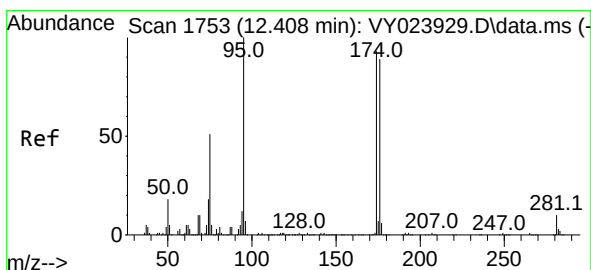
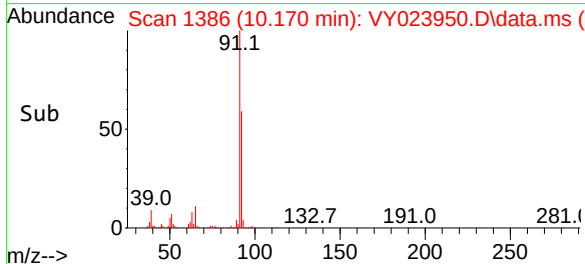
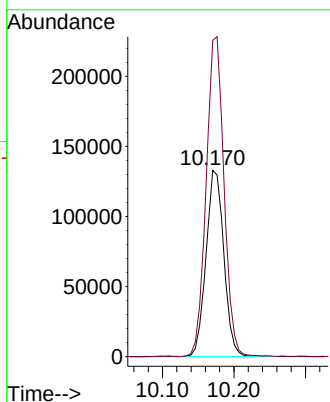
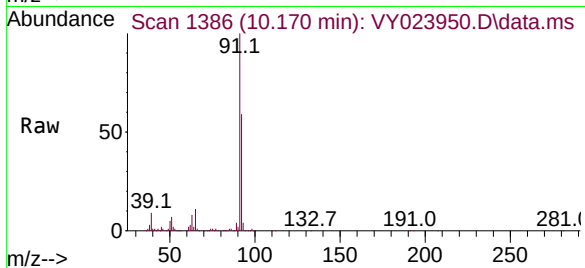
SW-9

Tgt Ion: 92 Resp: 229429

Ion Ratio Lower Upper

92 100

91 172.8 135.8 203.6



#62

4-Bromofluorobenzene

Concen: 44.830 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY023950.D

Acq: 11 Dec 2025 13:15

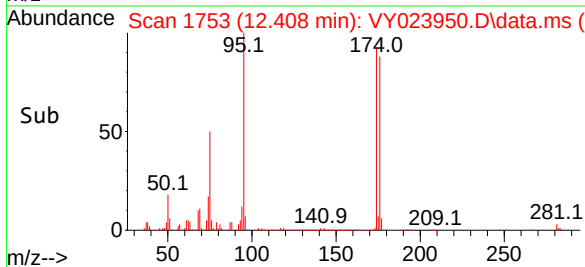
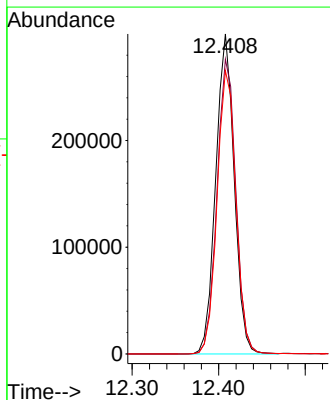
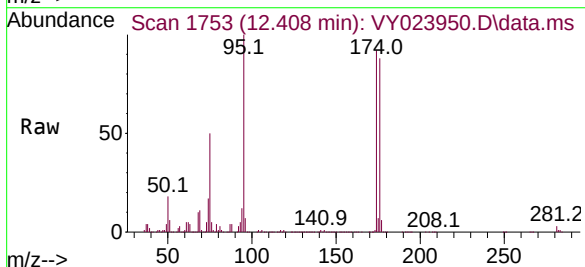
Tgt Ion: 95 Resp: 445606

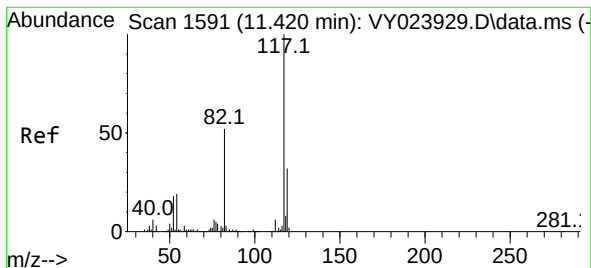
Ion Ratio Lower Upper

95 100

174 94.1 0.0 187.4

176 90.3 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: VY023950.D

Acq: 11 Dec 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

SW-9

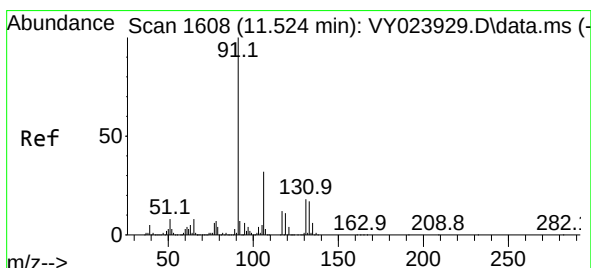
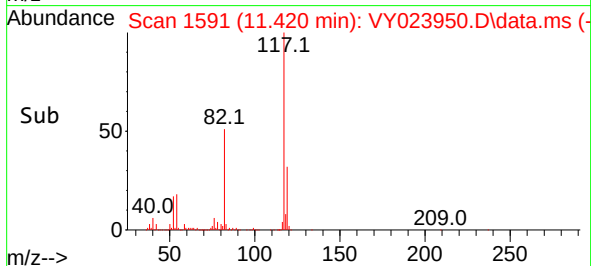
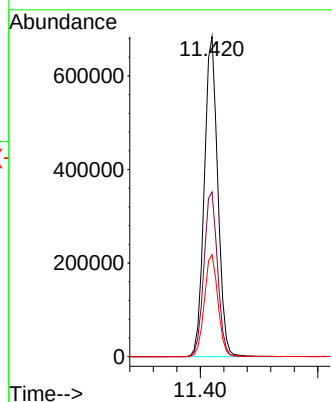
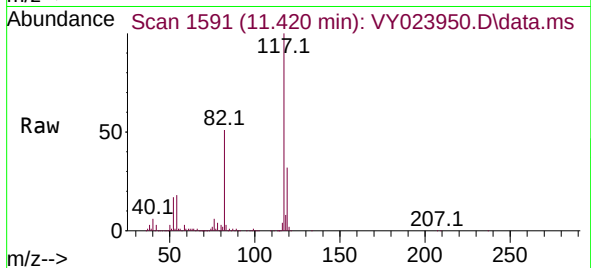
Tgt Ion:117 Resp: 1086423

Ion Ratio Lower Upper

117 100

82 51.4 41.4 62.2

119 31.9 25.5 38.3



#67

Ethyl Benzene

Concen: 4.491 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.000 min

Lab File: VY023950.D

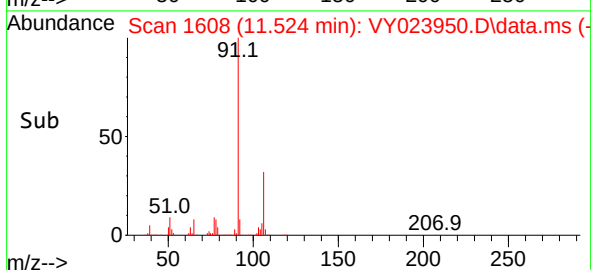
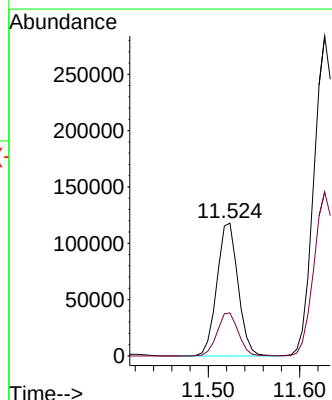
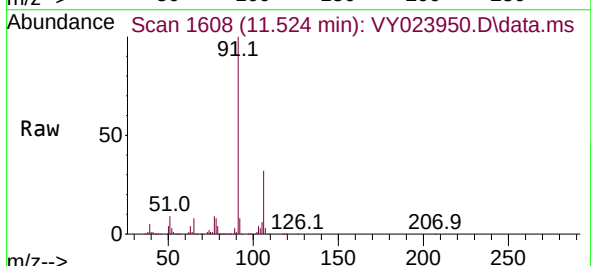
Acq: 11 Dec 2025 13:15

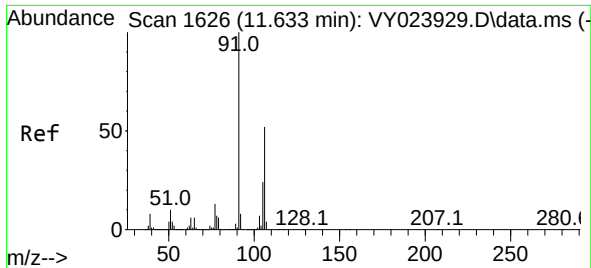
Tgt Ion: 91 Resp: 189423

Ion Ratio Lower Upper

91 100

106 32.3 25.8 38.8

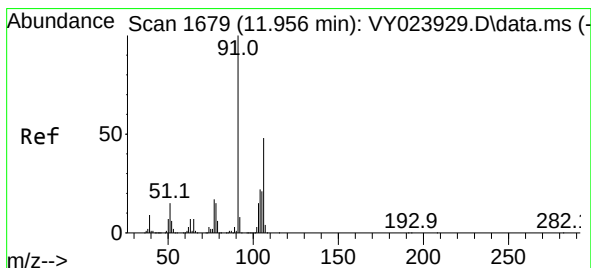
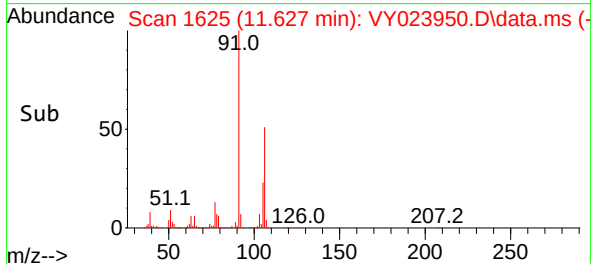
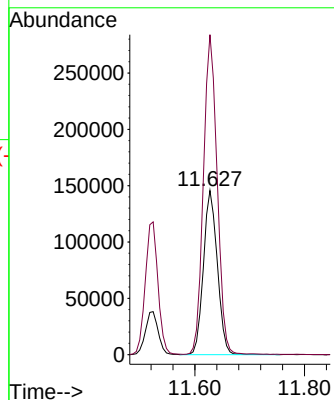
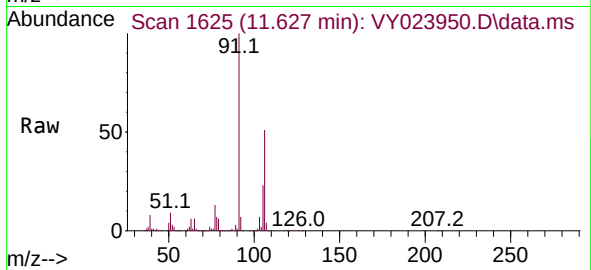




#68
m/p-Xylenes
Concen: 15.283 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY023950.D
Acq: 11 Dec 2025 13:15

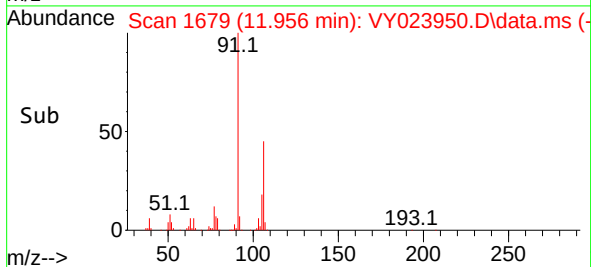
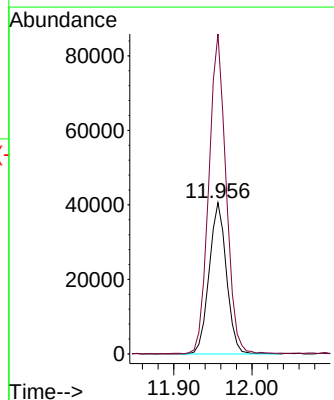
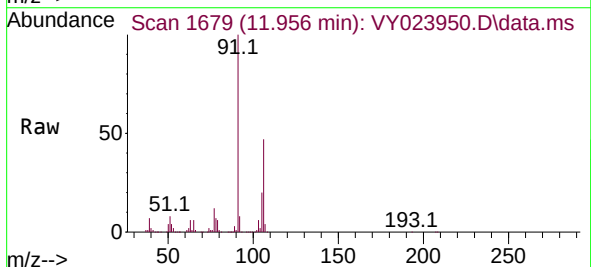
Instrument :
MSVOA_Y
ClientSampleId :
SW-9

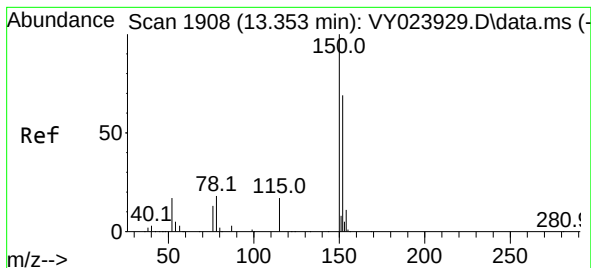
Tgt Ion:106 Resp: 255895
Ion Ratio Lower Upper
106 100
91 192.3 155.0 232.6



#69
o-Xylene
Concen: 3.980 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023950.D
Acq: 11 Dec 2025 13:15

Tgt Ion:106 Resp: 62335
Ion Ratio Lower Upper
106 100
91 211.9 102.1 306.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY023950.D

Acq: 11 Dec 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

SW-9

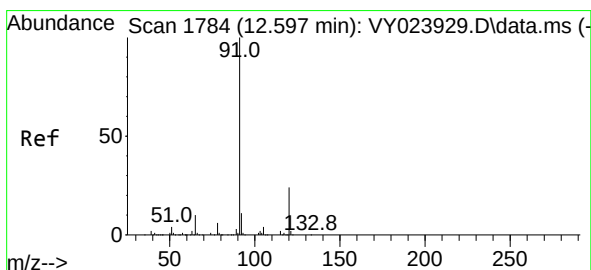
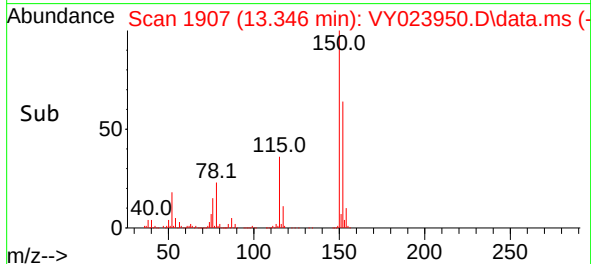
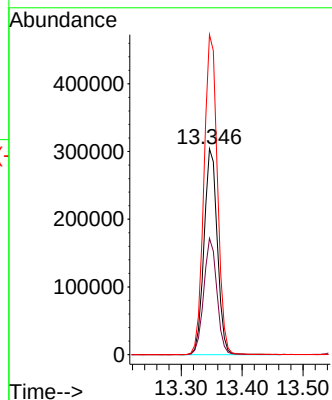
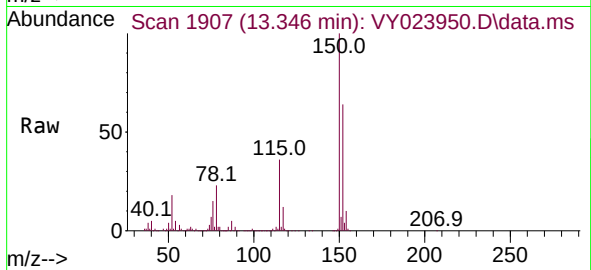
Tgt Ion:152 Resp: 458594

Ion Ratio Lower Upper

152 100

115 55.9 27.3 81.9

150 157.8 0.0 347.6



#78

n-propylbenzene

Concen: 1.002 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY023950.D

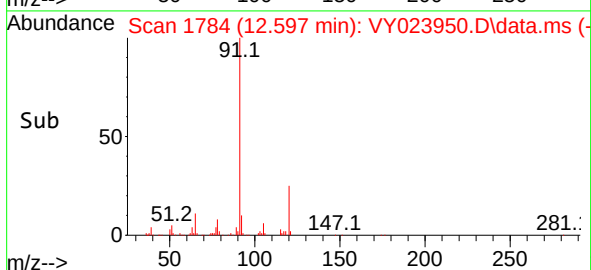
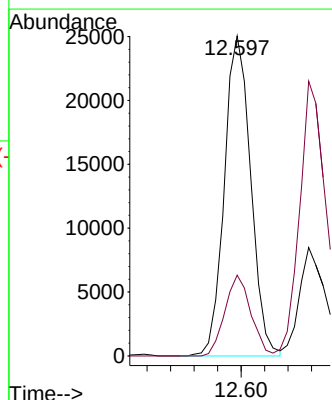
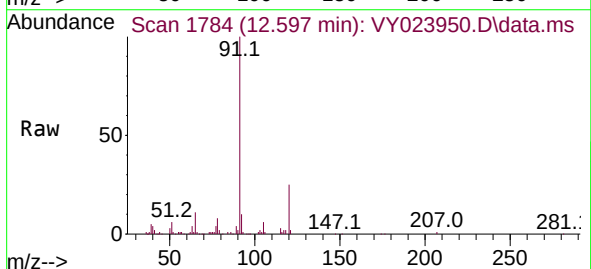
Acq: 11 Dec 2025 13:15

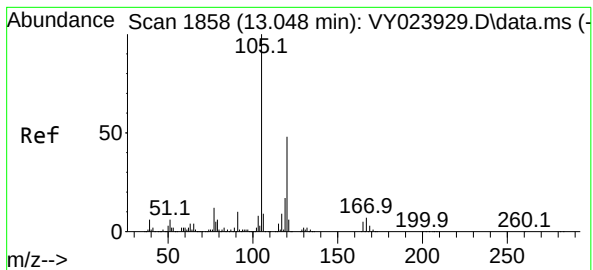
Tgt Ion: 91 Resp: 39072

Ion Ratio Lower Upper

91 100

120 24.8 12.0 36.0





#84
 1,2,4-Trimethylbenzene
 Concen: 2.488 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. 0.000 min
 Lab File: VY023950.D
 Acq: 11 Dec 2025 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-9

Tgt Ion:105 Resp: 65892
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.4 70.3

