

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
 Data File : VY023722.D
 Acq On : 10 Nov 2025 18:07
 Operator : SY/MD
 Sample : Q3597-04
 Misc : 6.30g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Nov 11 02:10:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

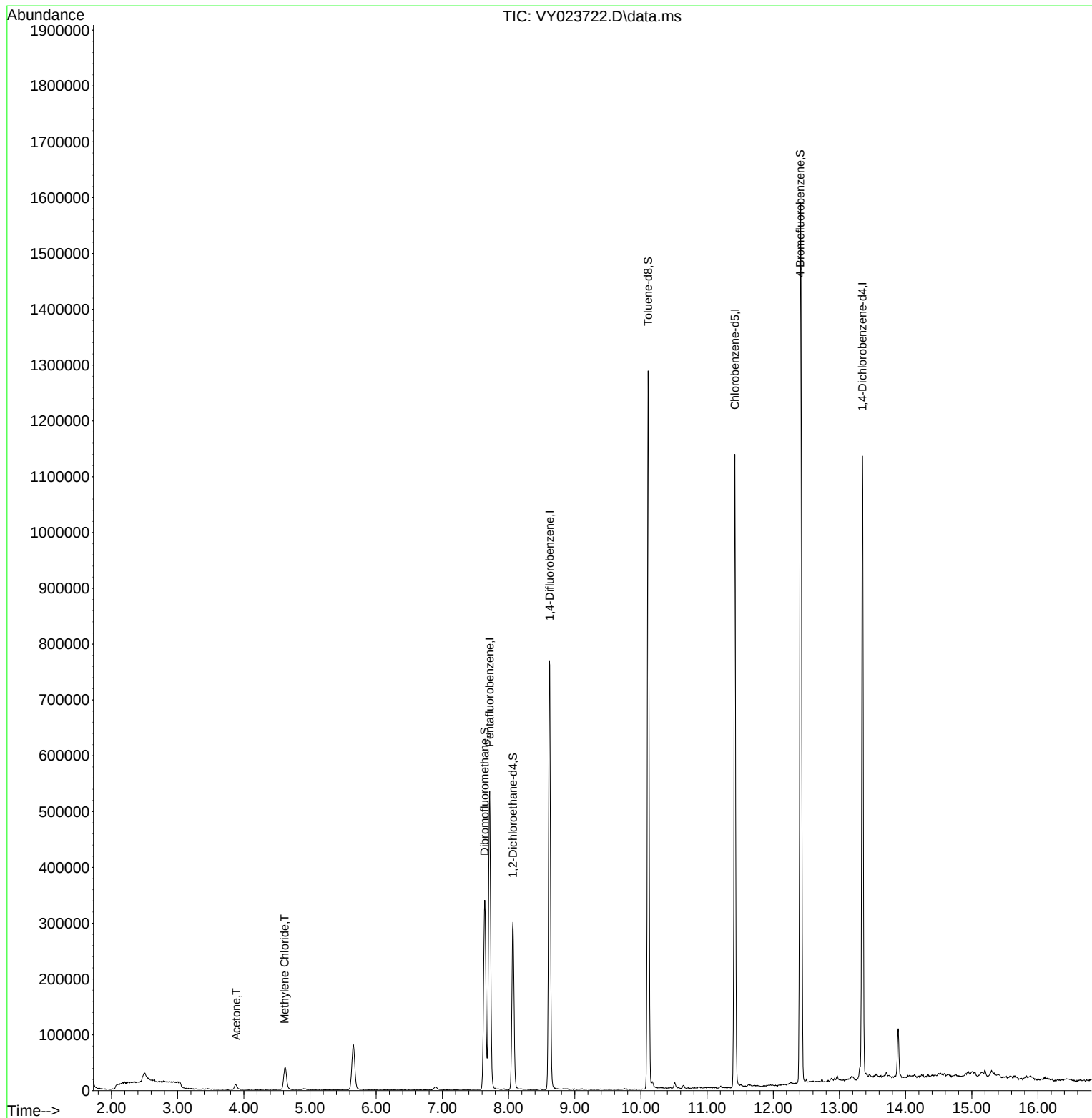
Internal Standards						
1) Pentafluorobenzene	7.713	168	444772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	719607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	643542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	304475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	236633	63.624	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.240%	
35) Dibromofluoromethane	7.640	113	246503	55.749	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.500%	
50) Toluene-d8	10.109	98	874044	53.080	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.160%	
62) 4-Bromofluorobenzene	12.408	95	289588	53.268	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.540%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	15703	17.735	ug/l	93
20) Methylene Chloride	4.616	84	32561	6.801	ug/l	98

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

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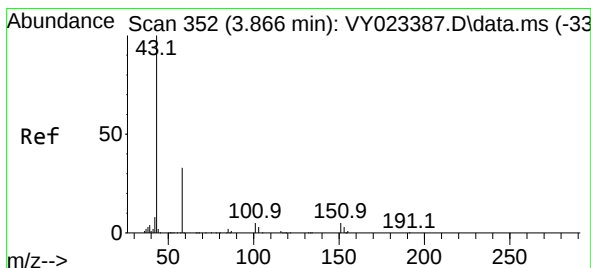
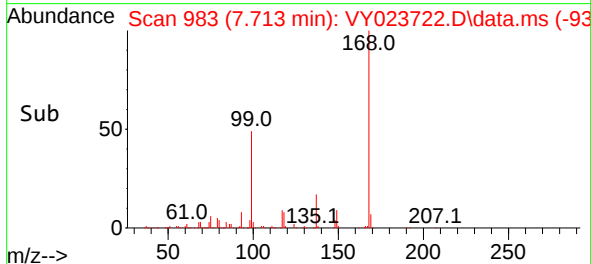
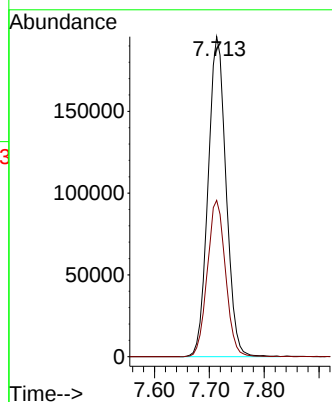
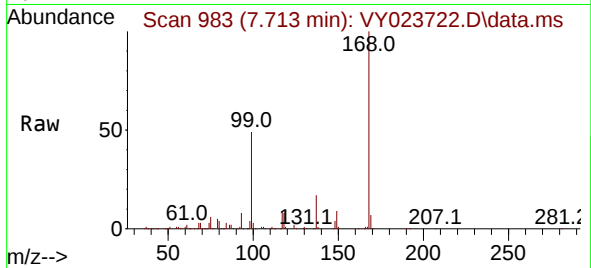




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

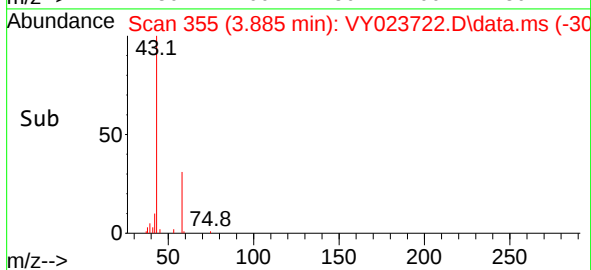
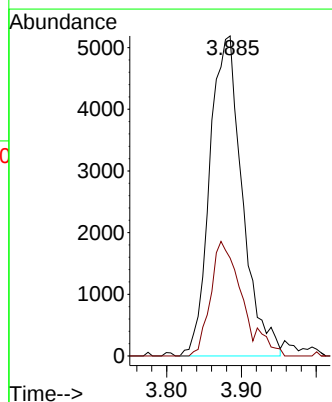
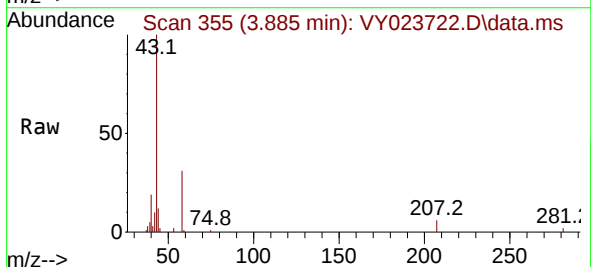
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

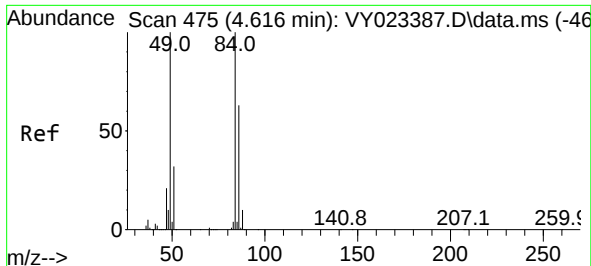
Tgt Ion:168 Resp: 444772
Ion Ratio Lower Upper
168 100
99 48.9 39.7 59.5



#16
Acetone
Concen: 17.735 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.018 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

Tgt Ion: 43 Resp: 15703
Ion Ratio Lower Upper
43 100
58 30.6 27.7 41.5

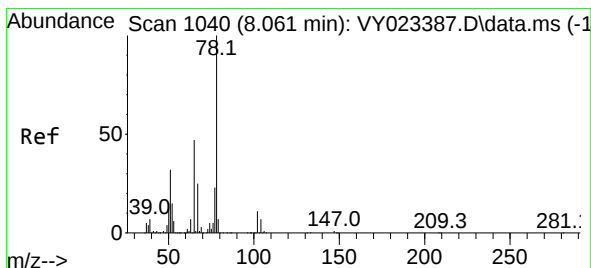
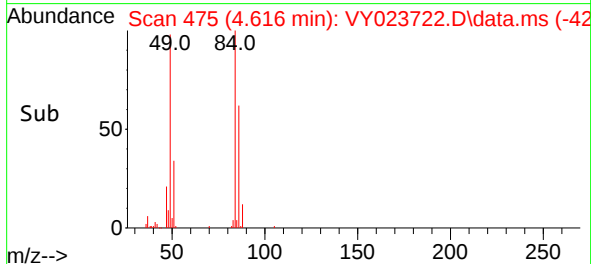
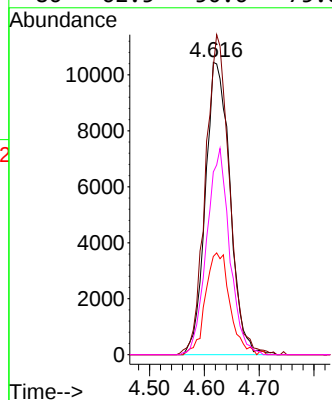
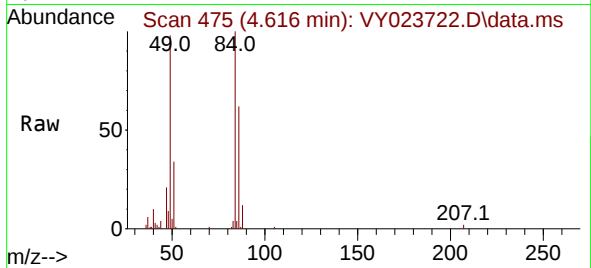




#20
Methylene Chloride
Concen: 6.801 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

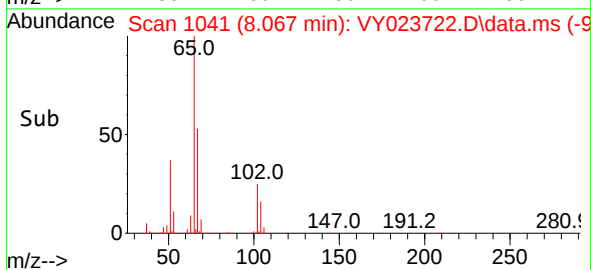
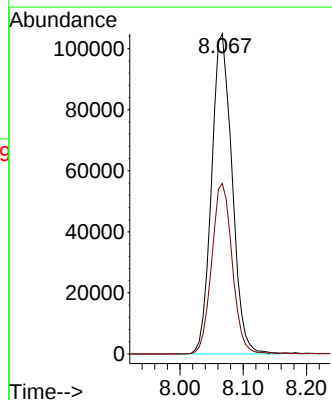
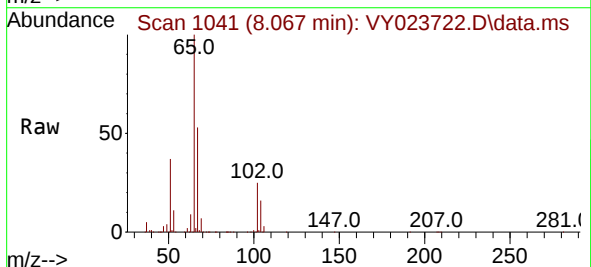
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

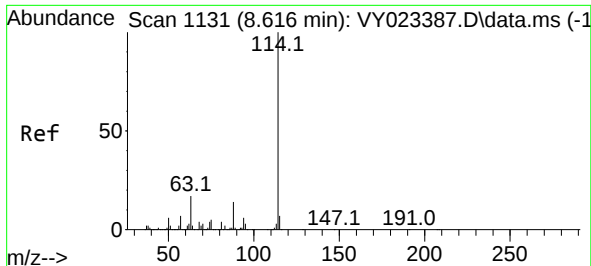
Tgt Ion:	84	Resp:	32561
Ion	Ratio	Lower	Upper
84	100		
49	98.5	80.2	120.4
51	33.6	25.9	38.9
86	62.5	50.6	75.8



#33
1,2-Dichloroethane-d4
Concen: 63.624 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

Tgt Ion:	65	Resp:	236633
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023722.D

Acq: 10 Nov 2025 18:07

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

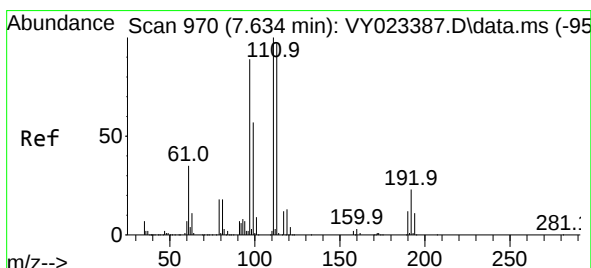
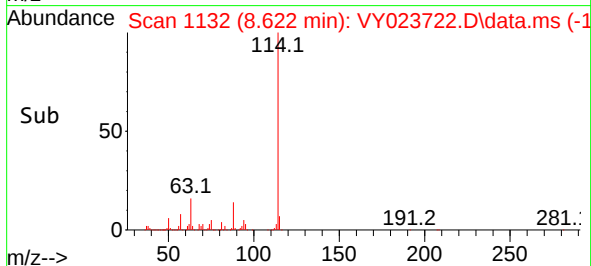
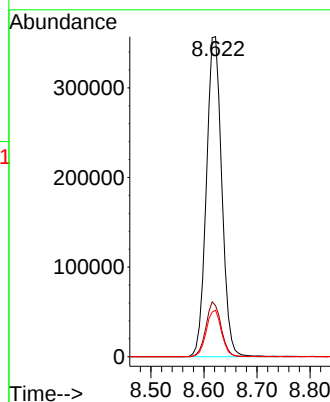
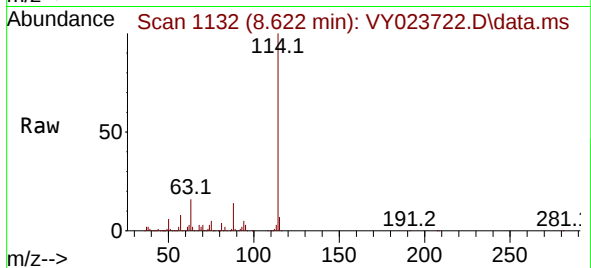
Tgt Ion:114 Resp: 719607

Ion Ratio Lower Upper

114 100

63 16.0 0.0 34.2

88 14.5 0.0 28.4



#35

Dibromofluoromethane

Concen: 55.749 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023722.D

Acq: 10 Nov 2025 18:07

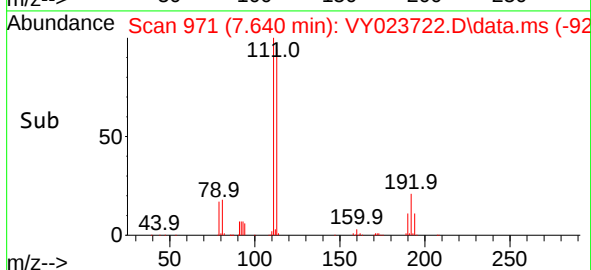
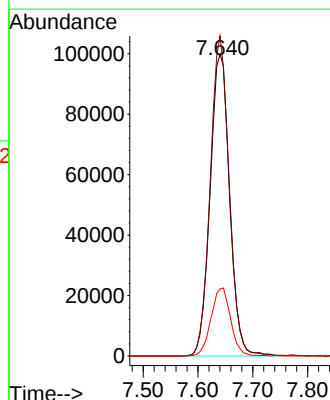
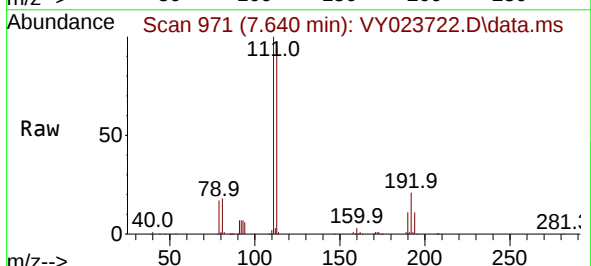
Tgt Ion:113 Resp: 246503

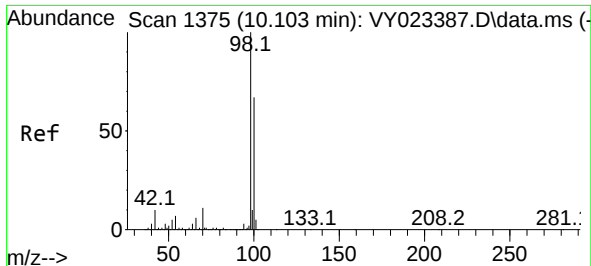
Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

192 22.6 18.0 27.0

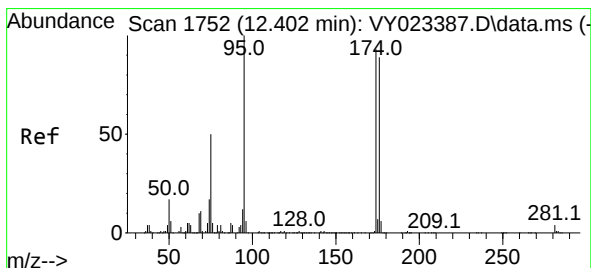
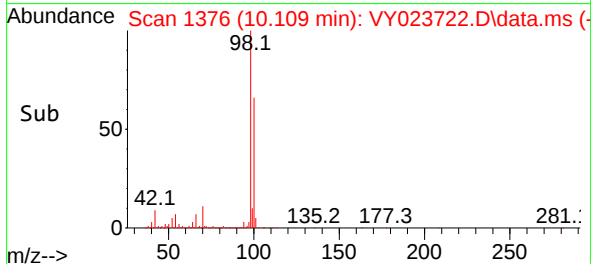
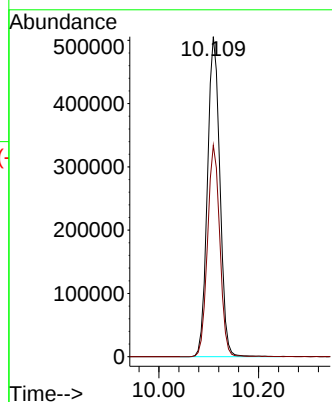
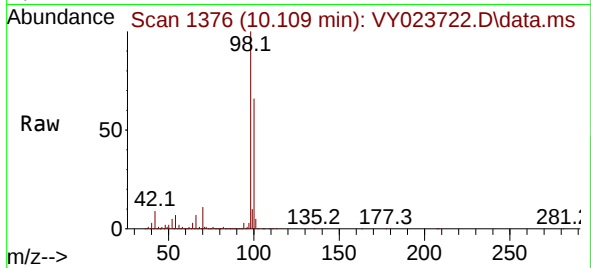




#50
Toluene-d8
Concen: 53.080 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

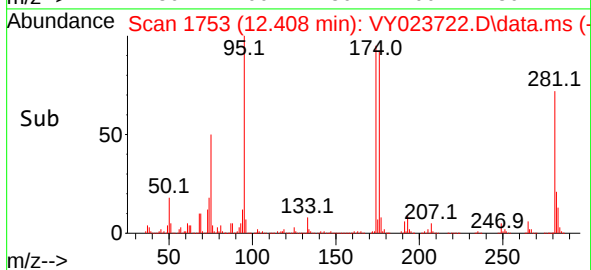
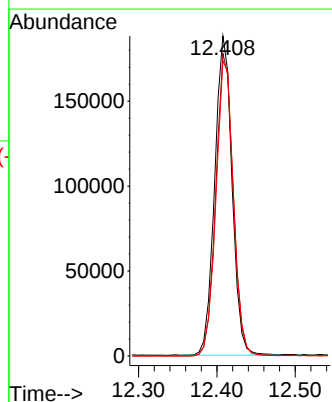
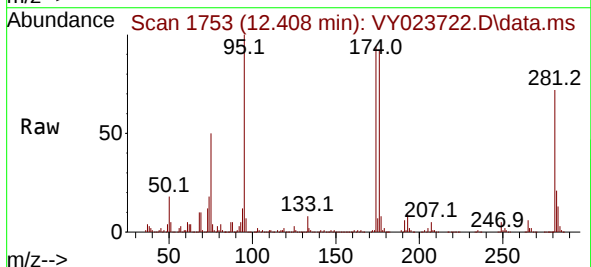
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

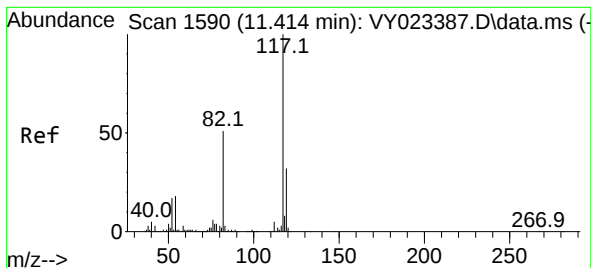
Tgt Ion: 98 Resp: 874044
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.268 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

Tgt Ion: 95 Resp: 289588
Ion Ratio Lower Upper
95 100
174 94.8 0.0 192.8
176 93.1 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY023722.D

Acq: 10 Nov 2025 18:07

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

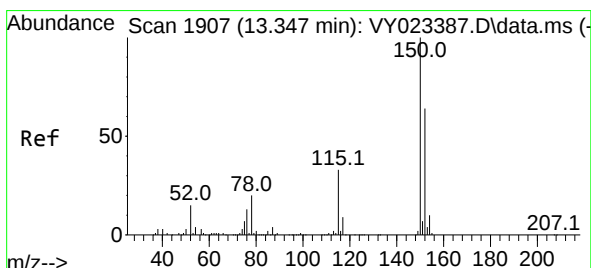
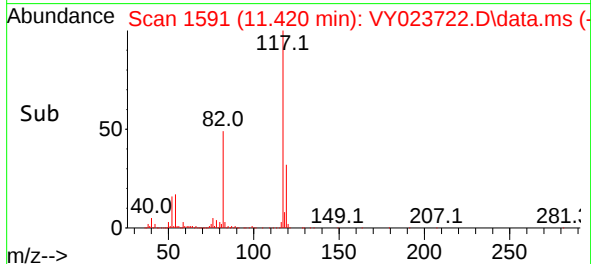
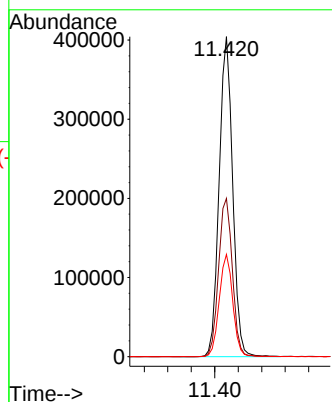
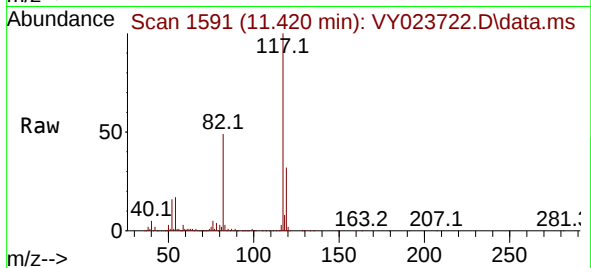
Tgt Ion:117 Resp: 643542

Ion Ratio Lower Upper

117 100

82 49.4 41.0 61.4

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023722.D

Acq: 10 Nov 2025 18:07

Tgt Ion:152 Resp: 304475

Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.2

150 157.1 0.0 347.4

