

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022824.D
 Acq On : 25 Jun 2025 14:55
 Operator : SY/MD
 Sample : Q2413-06
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-72

Quant Time: Jun 26 01:26:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

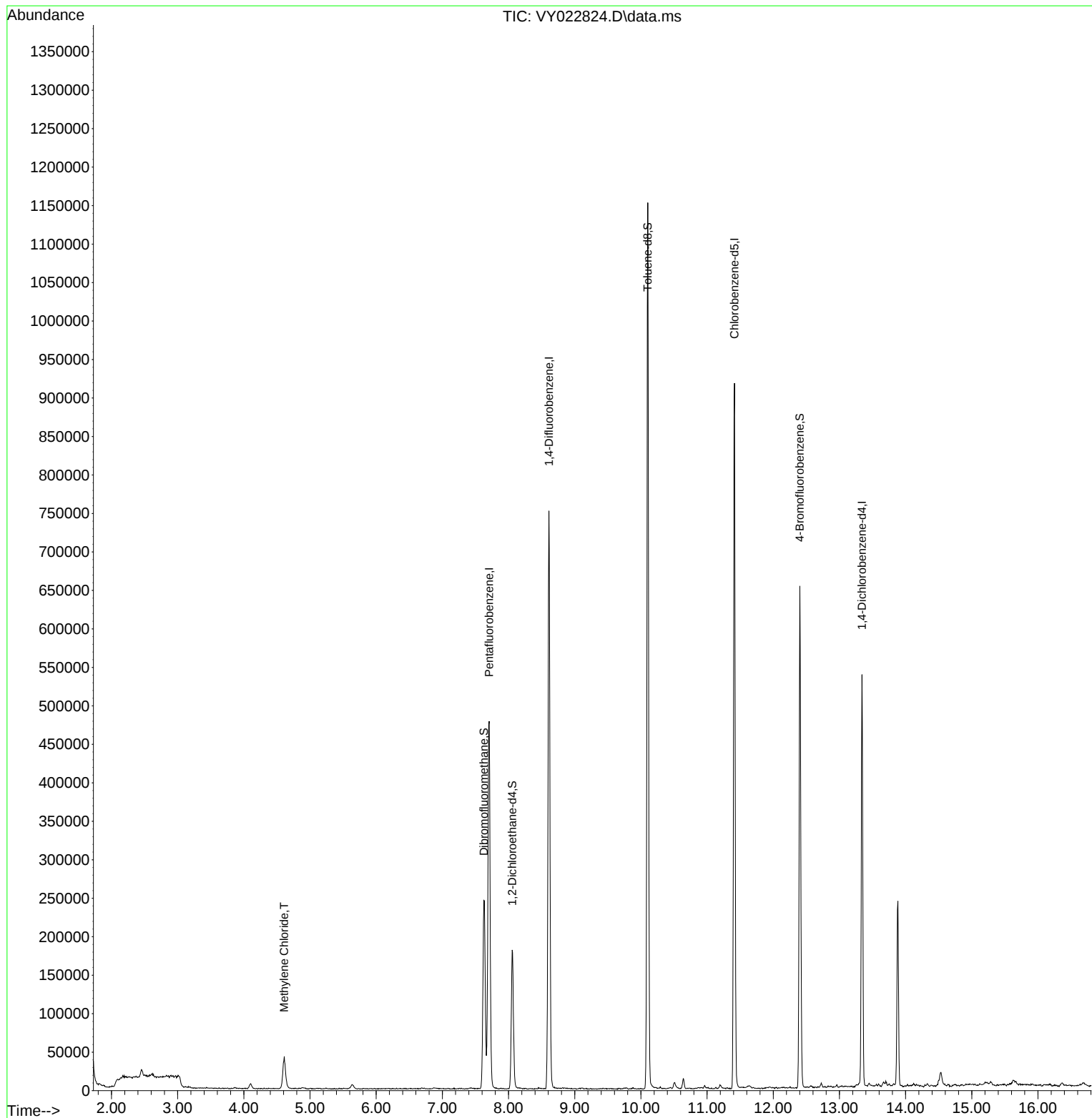
Internal Standards						
1) Pentafluorobenzene	7.707	168	370869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	633647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	472763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	131537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	143374	34.637	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.280%
35) Dibromofluoromethane	7.628	113	177292	46.008	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.020%
50) Toluene-d8	10.103	98	724824	47.401	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.800%
62) 4-Bromofluorobenzene	12.402	95	165420	33.651	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.300%
Target Compounds						
20) Methylene Chloride	4.610	84	27592	5.585	ug/l	Qvalue 95

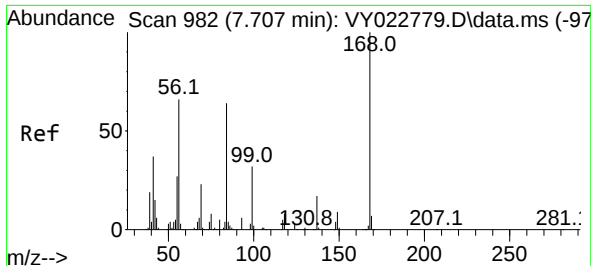
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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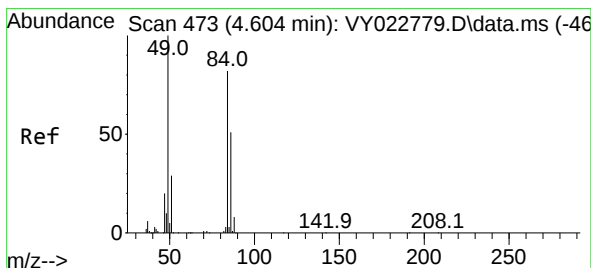
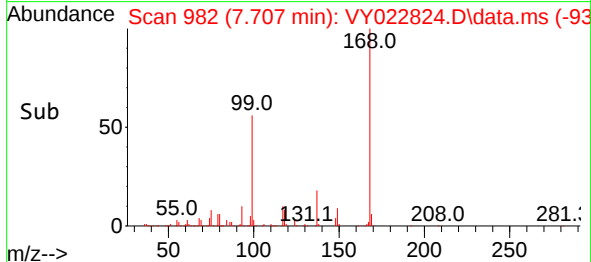
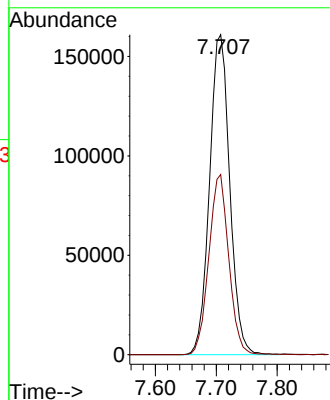
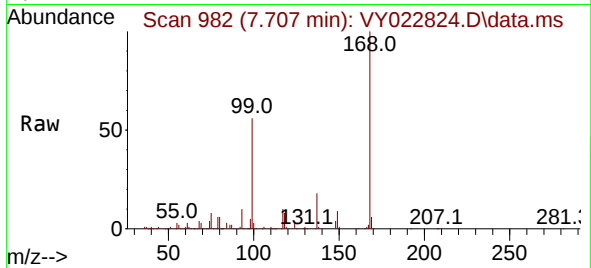




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

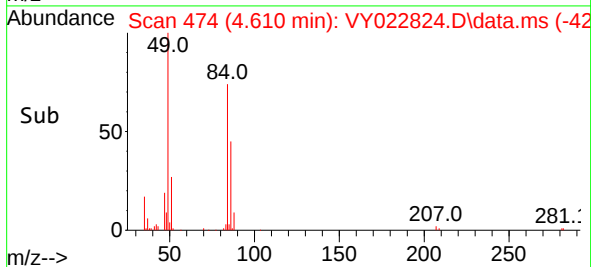
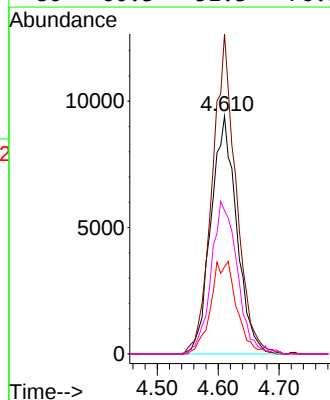
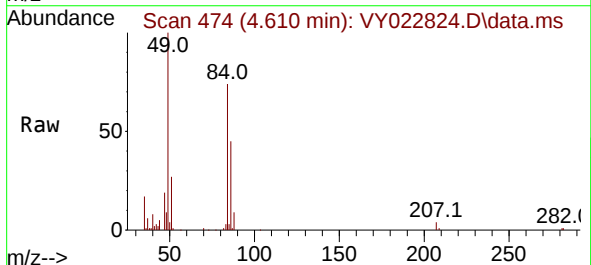
Instrument :
MSVOA_Y
ClientSampleId :
TP-72

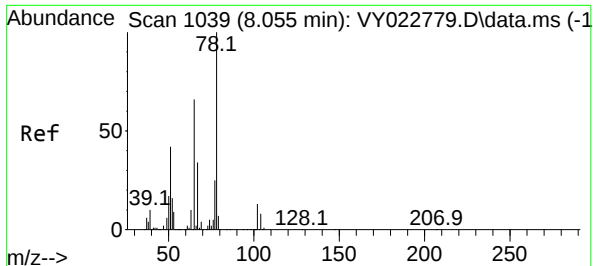
Tgt Ion:168 Resp: 370869
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#20
Methylene Chloride
Concen: 5.585 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

Tgt Ion: 84 Resp: 27592
Ion Ratio Lower Upper
84 100
49 134.6 101.9 152.9
51 36.6 29.8 44.8
86 60.3 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 34.637 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022824.D

Acq: 25 Jun 2025 14:55

Instrument :

MSVOA_Y

ClientSampleId :

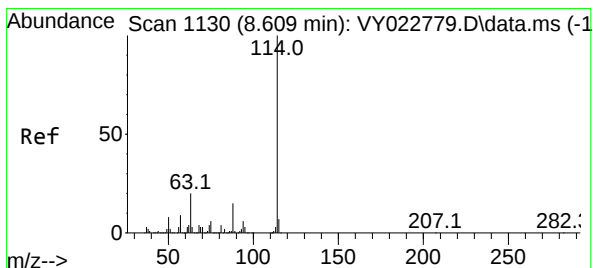
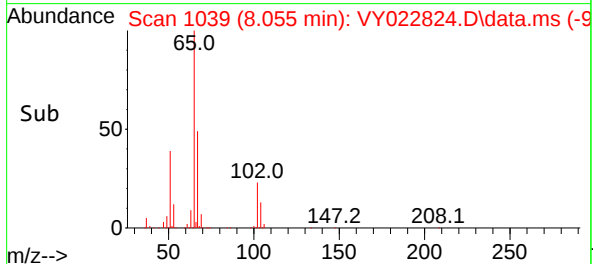
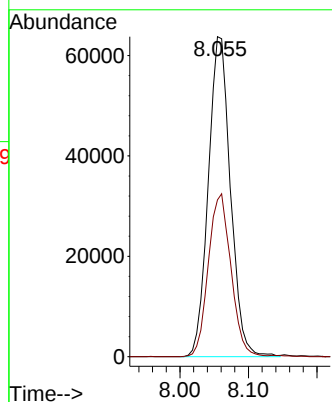
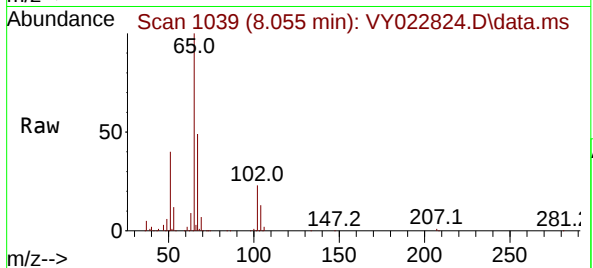
TP-72

Tgt Ion: 65 Resp: 143374

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022824.D

Acq: 25 Jun 2025 14:55

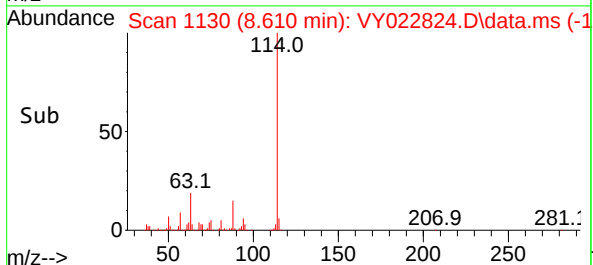
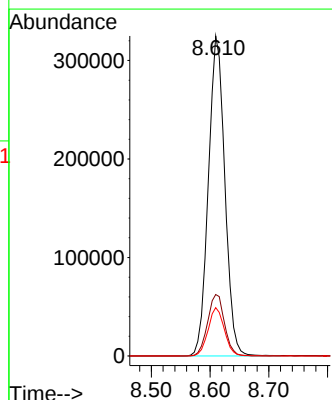
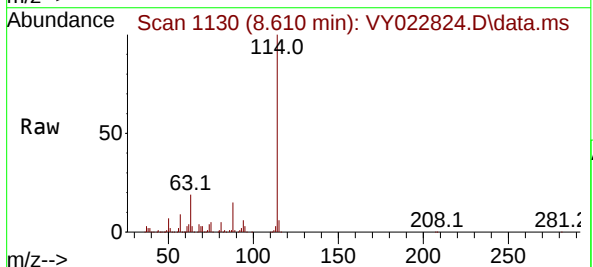
Tgt Ion: 114 Resp: 633647

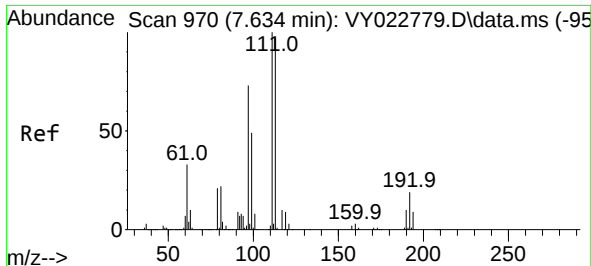
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.8

88 15.1 0.0 27.8

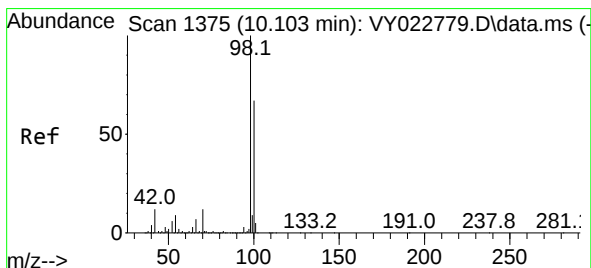
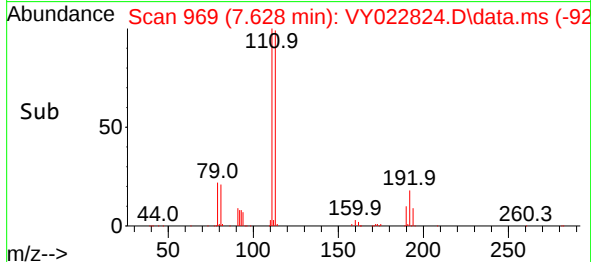
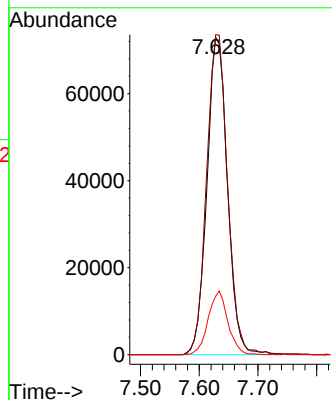
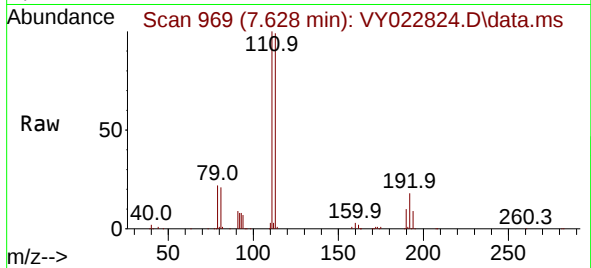




#35
Dibromofluoromethane
Concen: 46.008 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

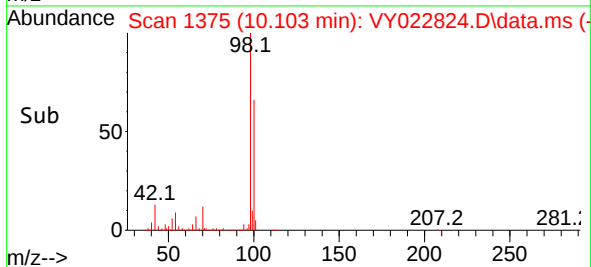
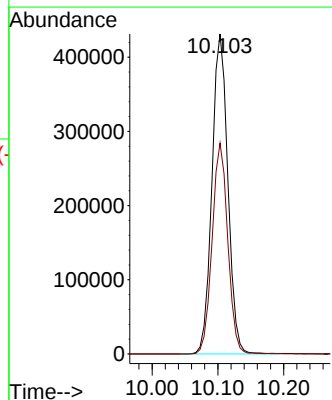
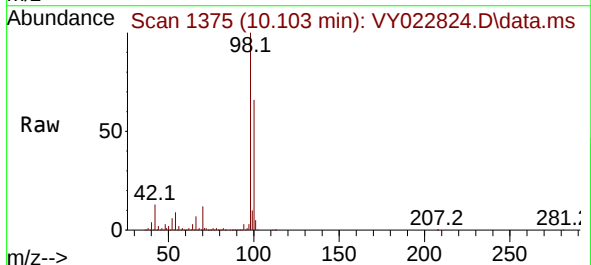
Instrument :
MSVOA_Y
ClientSampleId :
TP-72

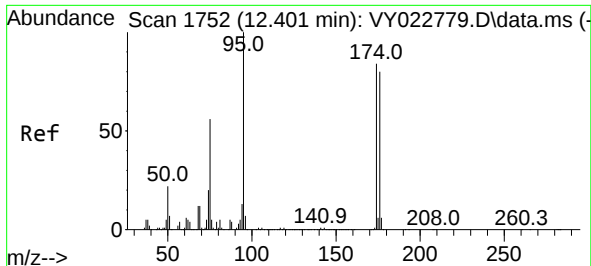
Tgt Ion:113 Resp: 177292
Ion Ratio Lower Upper
113 100
111 103.1 81.1 121.7
192 19.3 14.2 21.2



#50
Toluene-d8
Concen: 47.401 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

Tgt Ion: 98 Resp: 724824
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0

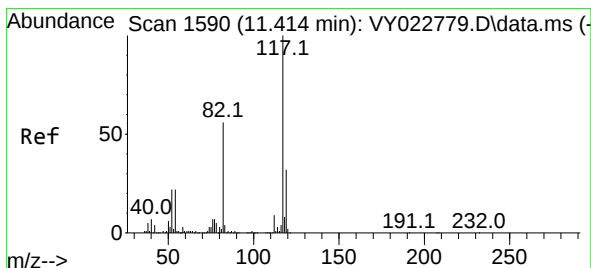
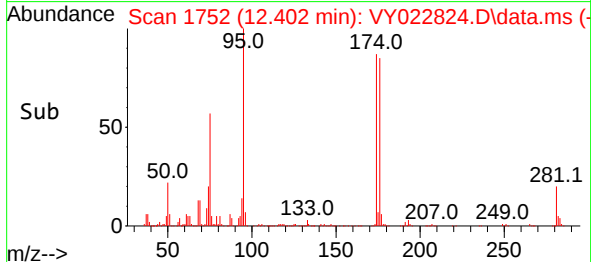
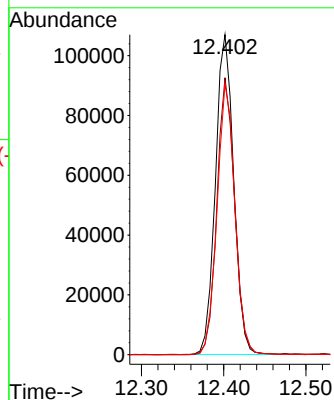
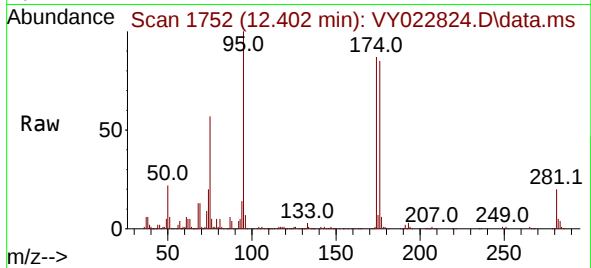




#62
4-Bromofluorobenzene
Concen: 33.651 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

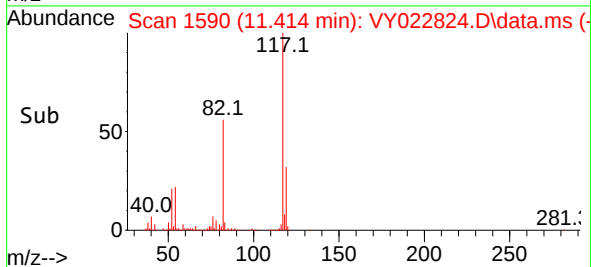
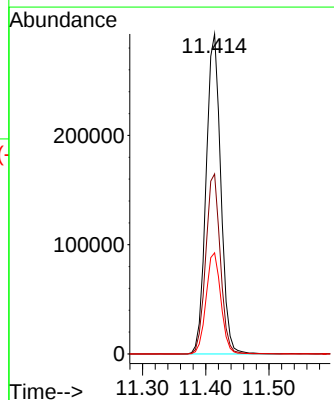
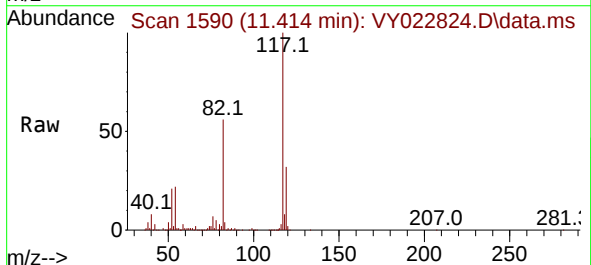
Instrument :
MSVOA_Y
ClientSampleId :
TP-72

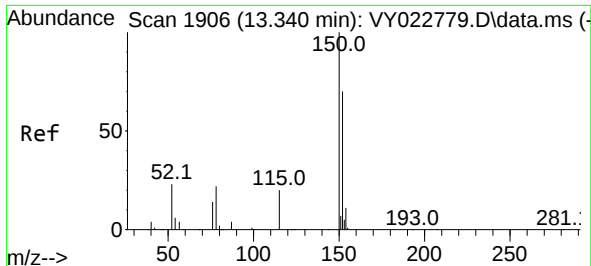
Tgt Ion: 95 Resp: 165420
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 82.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022824.D
Acq: 25 Jun 2025 14:55

Tgt Ion: 117 Resp: 472763
Ion Ratio Lower Upper
117 100
82 56.3 44.6 66.8
119 31.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022824.D

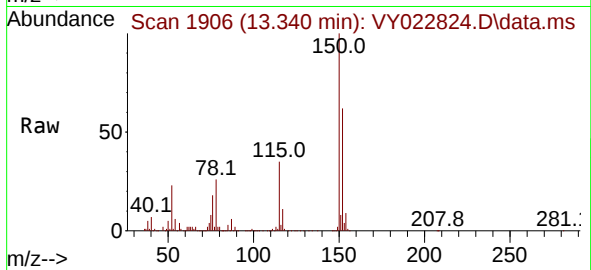
Acq: 25 Jun 2025 14:55

Instrument :

MSVOA_Y

ClientSampleId :

TP-72



Tgt Ion:152 Resp: 131537

Ion Ratio Lower Upper

152 100

115 56.9 28.9 86.7

150 155.3 0.0 349.6

