

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022831.D
 Acq On : 25 Jun 2025 17:39
 Operator : SY/MD
 Sample : Q2425-01
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: Jun 26 01:29:11 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)

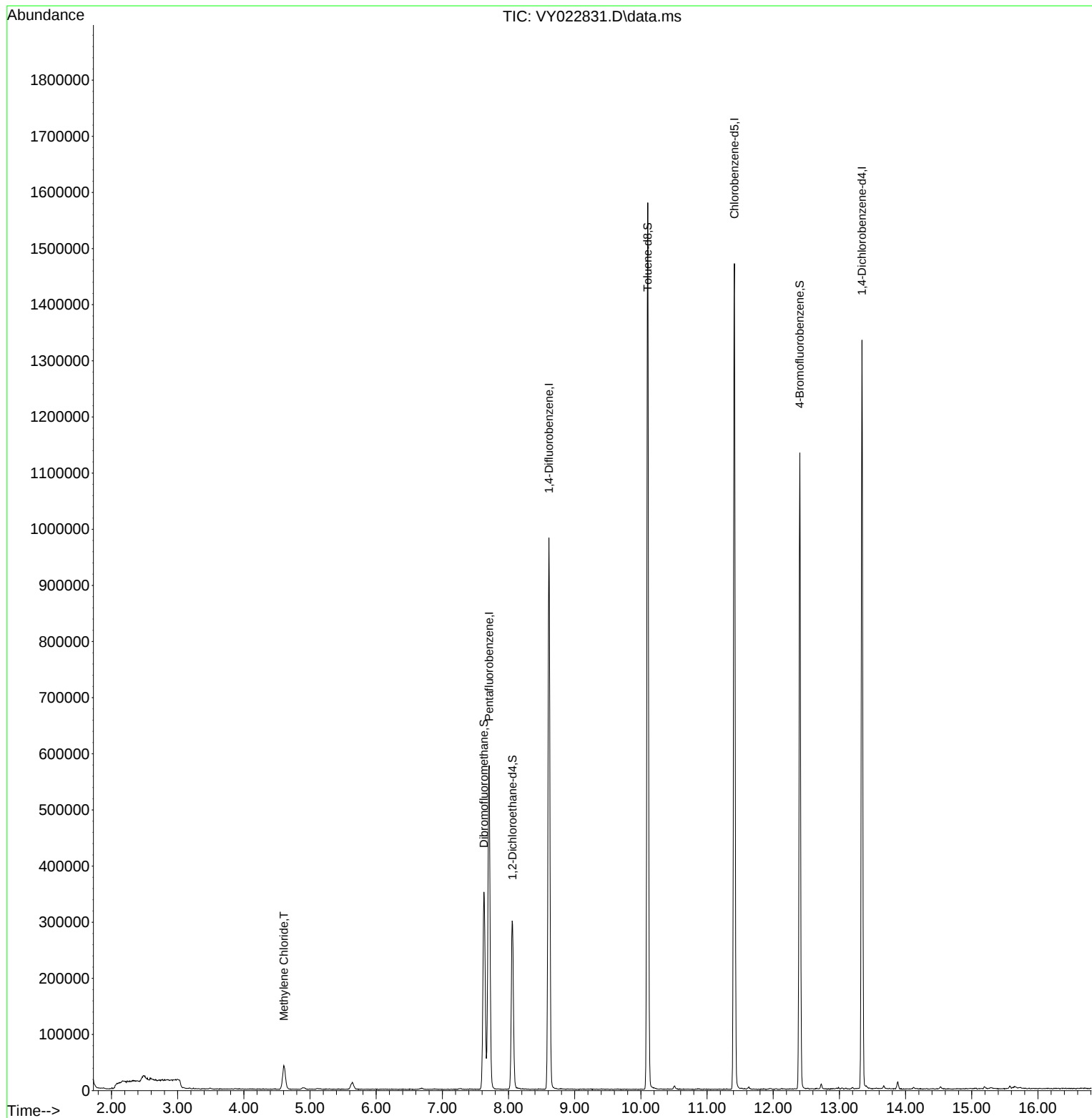
Internal Standards						
1) Pentafluorobenzene	7.707	168	439139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	824260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	766377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	315122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	237858	48.530	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.060%
35) Dibromofluoromethane	7.628	113	249787	49.830	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.660%
50) Toluene-d8	10.103	98	995552	50.050	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.100%
62) 4-Bromofluorobenzene	12.401	95	320893	50.183	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.360%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.604	84	30792	5.263	ug/l	96

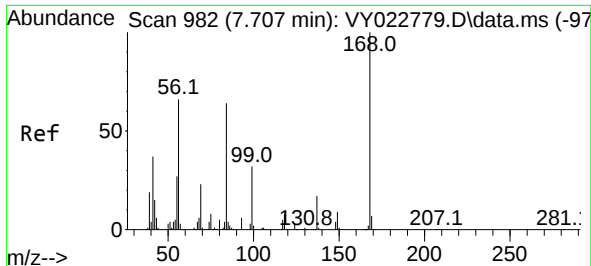
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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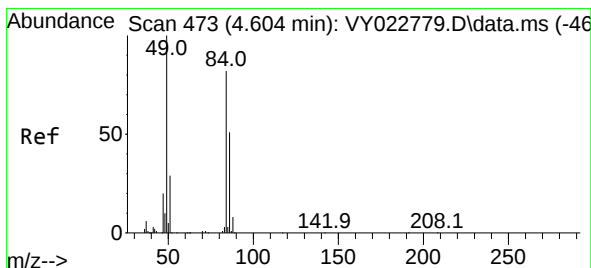
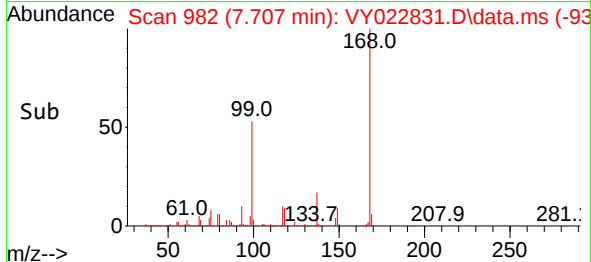
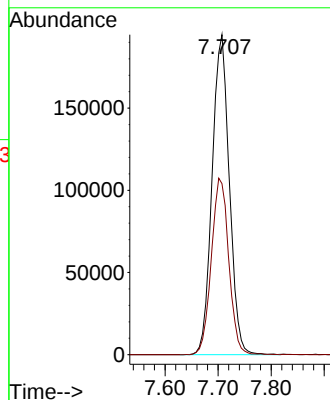
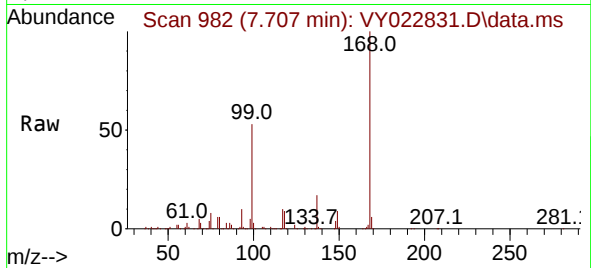




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

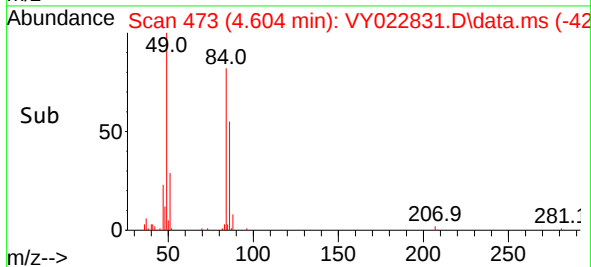
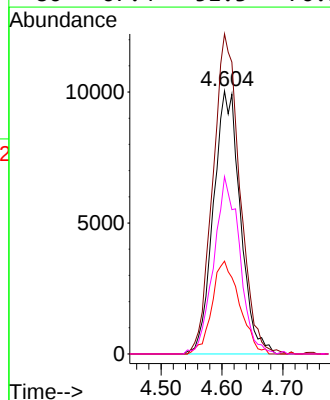
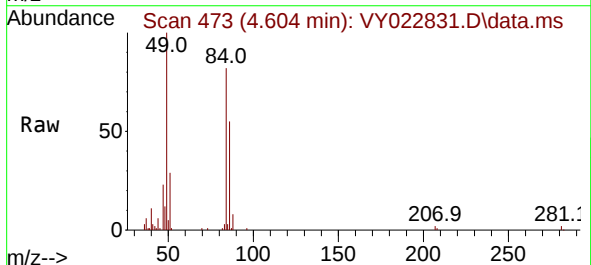
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

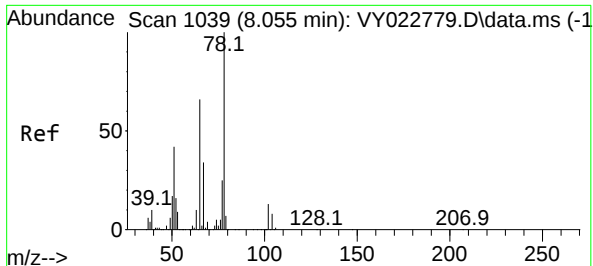
Tgt Ion:168 Resp: 439139
Ion Ratio Lower Upper
168 100
99 53.5 44.3 66.5



#20
Methylene Chloride
Concen: 5.263 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

Tgt Ion: 84 Resp: 30792
Ion Ratio Lower Upper
84 100
49 121.7 101.9 152.9
51 35.3 29.8 44.8
86 67.4 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 48.530 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022831.D

Acq: 25 Jun 2025 17:39

Instrument :

MSVOA_Y

ClientSampleId :

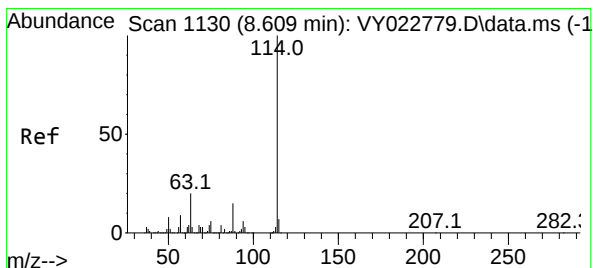
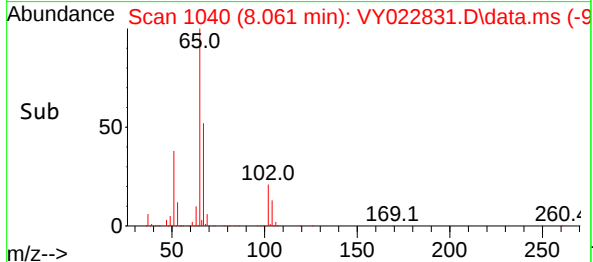
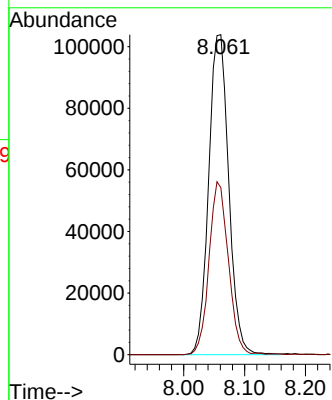
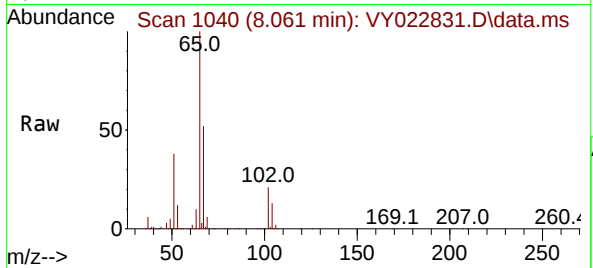
COMP-1

Tgt Ion: 65 Resp: 237858

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022831.D

Acq: 25 Jun 2025 17:39

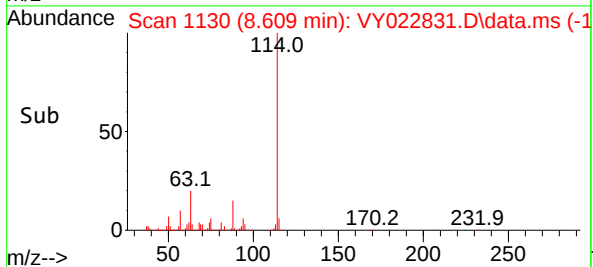
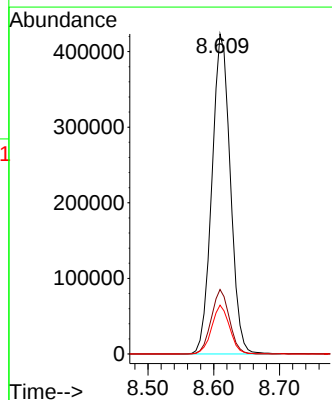
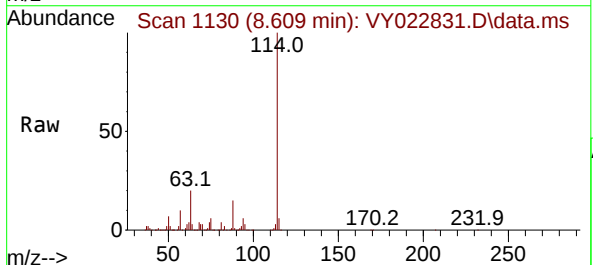
Tgt Ion: 114 Resp: 824260

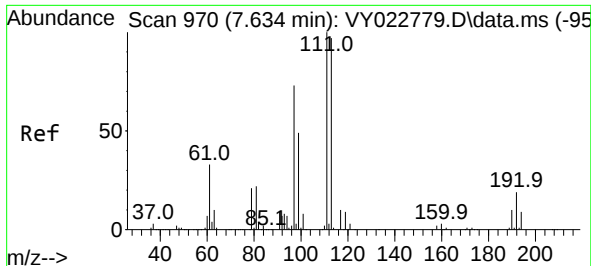
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 15.3 0.0 27.8

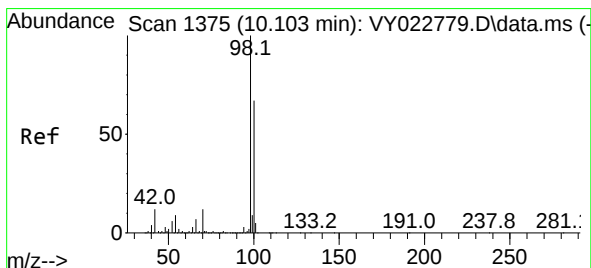
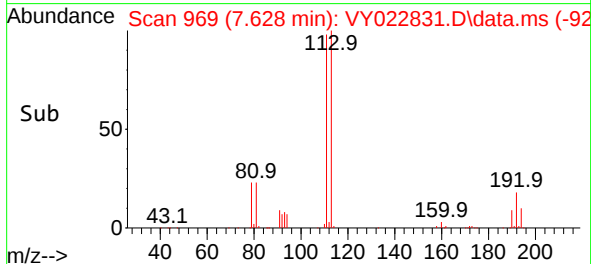
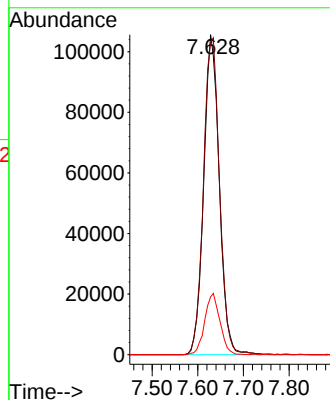
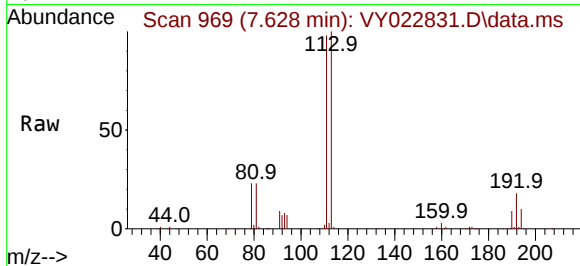




#35
Dibromofluoromethane
Concen: 49.830 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

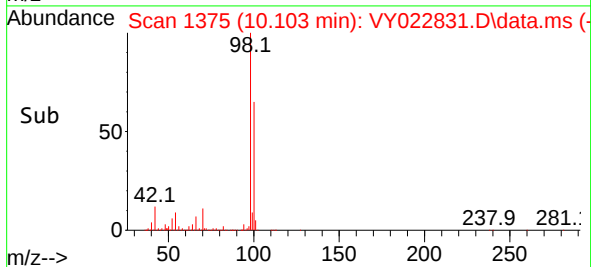
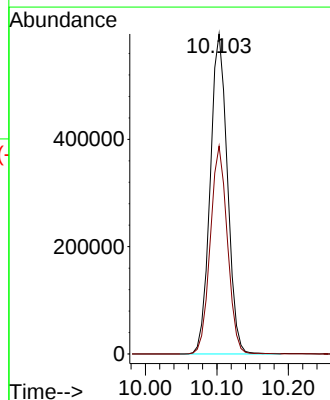
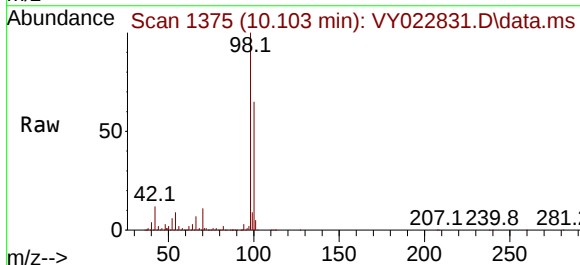
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

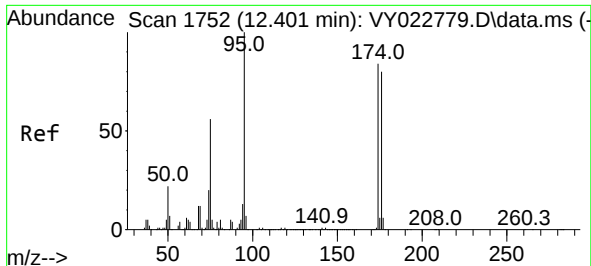
Tgt Ion:113 Resp: 249787
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 18.8 14.2 21.2



#50
Toluene-d8
Concen: 50.050 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

Tgt Ion: 98 Resp: 995552
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0

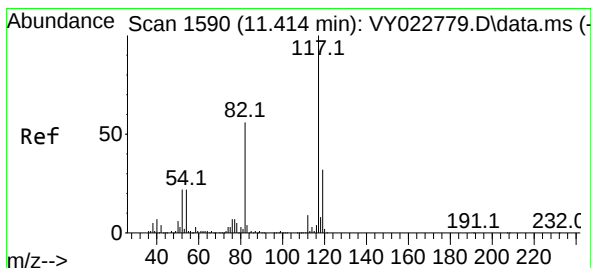
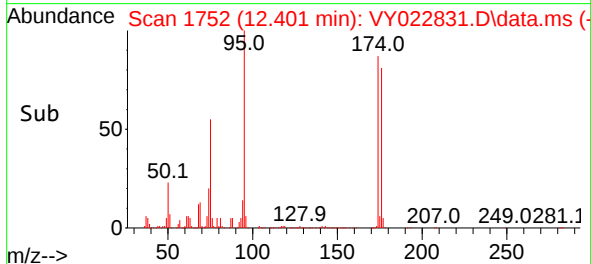
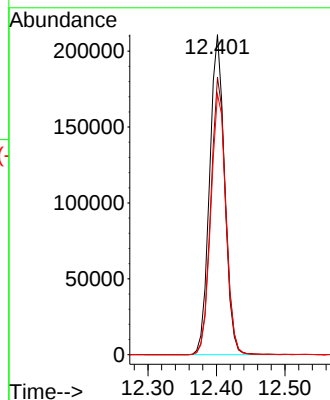
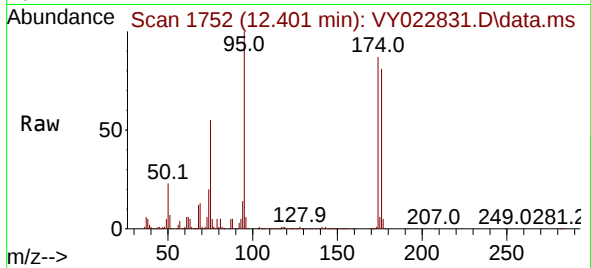




#62
4-Bromofluorobenzene
Concen: 50.183 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

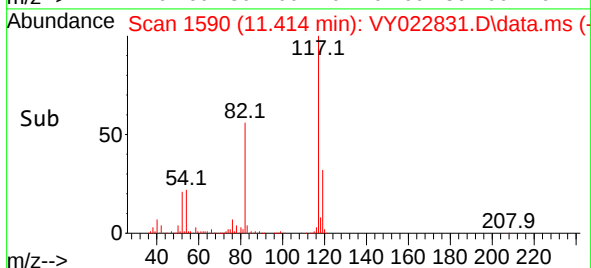
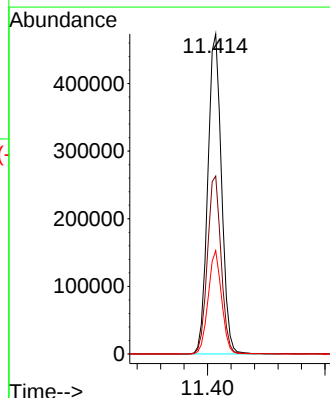
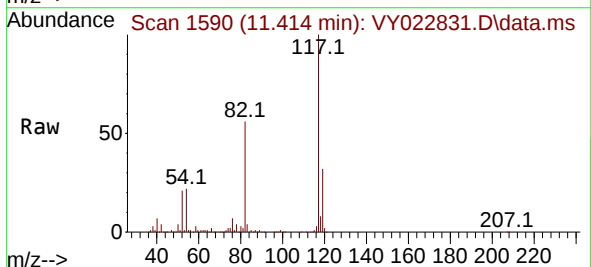
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

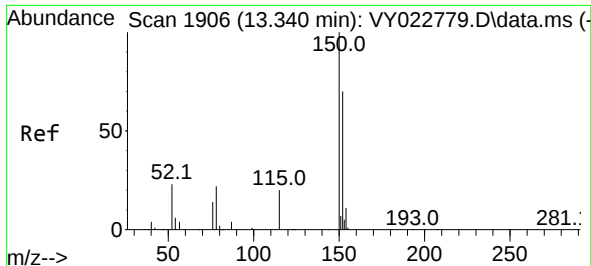
Tgt Ion: 95 Resp: 320893
Ion Ratio Lower Upper
95 100
174 86.7 0.0 170.0
176 82.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

Tgt Ion: 117 Resp: 766377
Ion Ratio Lower Upper
117 100
82 55.6 44.6 66.8
119 32.3 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: VY022831.D

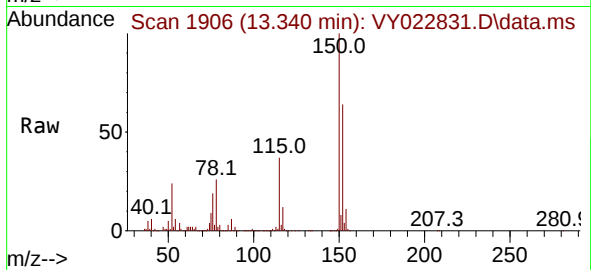
Acq: 25 Jun 2025 17:39

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1



Tgt Ion:152 Resp: 315122

Ion Ratio Lower Upper

152 100

115 57.9 28.9 86.7

150 159.3 0.0 349.6

