

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022882.D
 Acq On : 30 Jun 2025 16:02
 Operator : SY/MD
 Sample : Q2449-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200032

Quant Time: Jul 01 03:39:25 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)

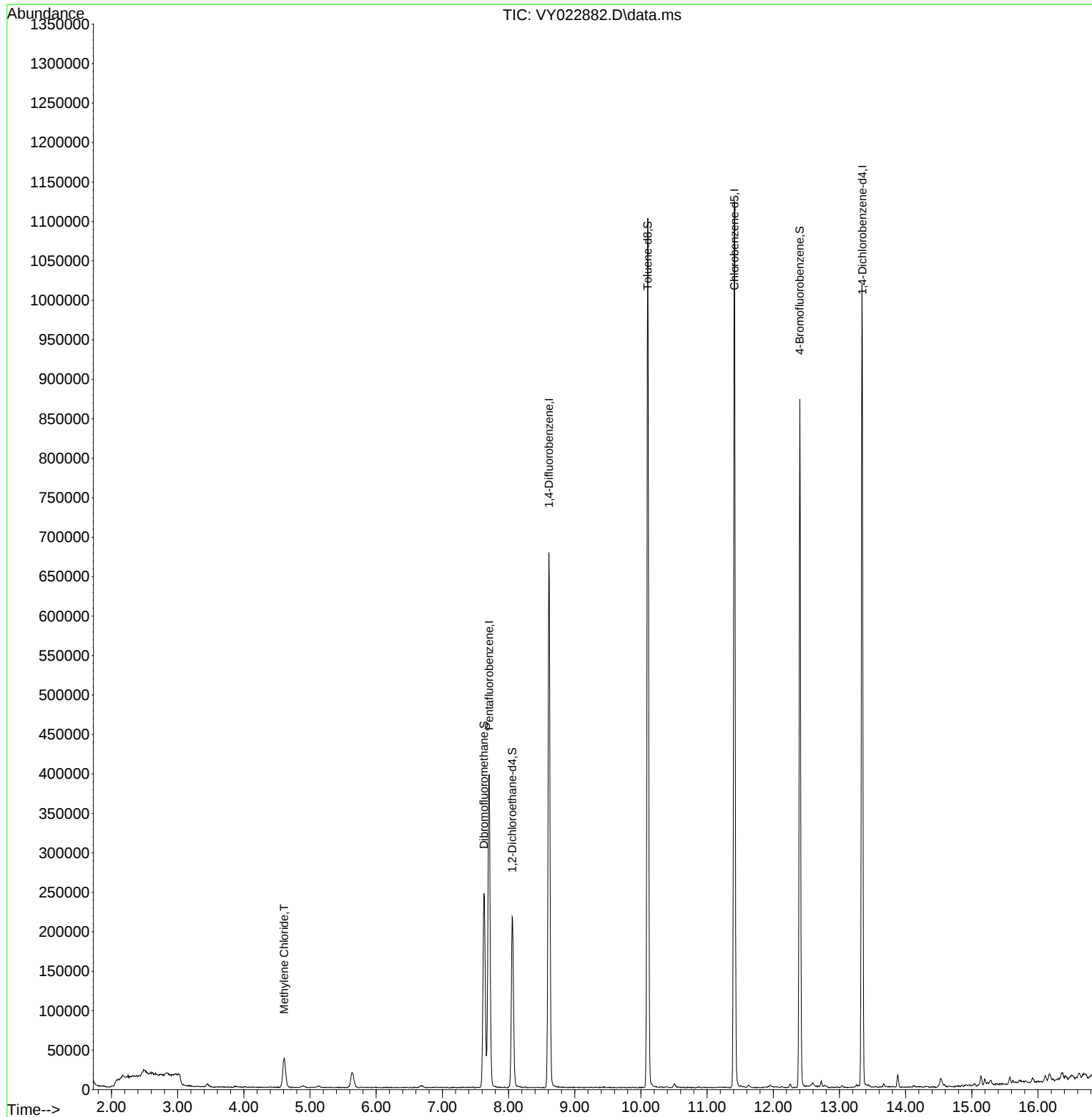
Internal Standards						
1) Pentafluorobenzene	7.707	168	298735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	565547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	561474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	246923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	174934	52.467	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.940%	
35) Dibromofluoromethane	7.628	113	176723	51.382	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.760%	
50) Toluene-d8	10.103	98	691265	50.650	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.300%	
62) 4-Bromofluorobenzene	12.402	95	249495	56.866	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.740%	
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	26858	6.749	ug/l	96

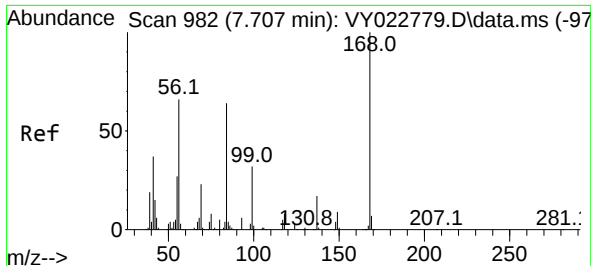
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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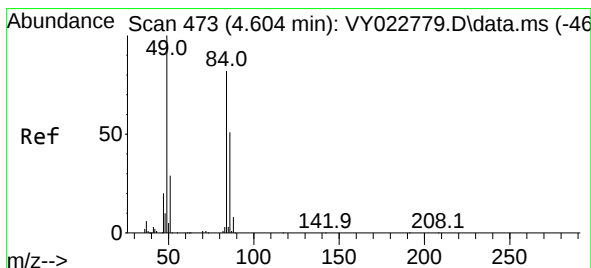
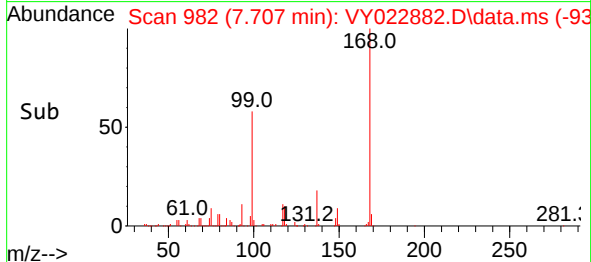
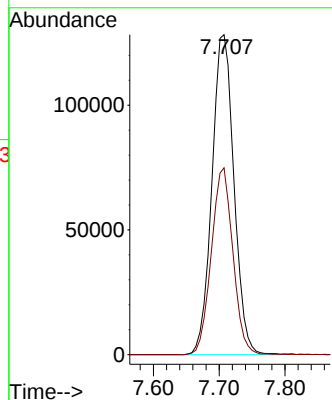
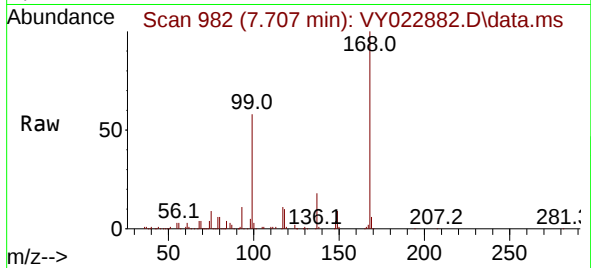




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022882.D
Acq: 30 Jun 2025 16:02

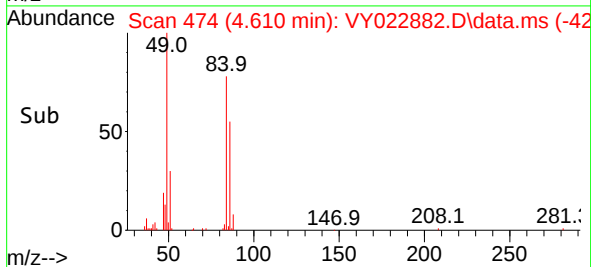
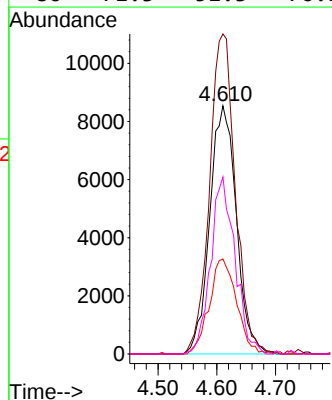
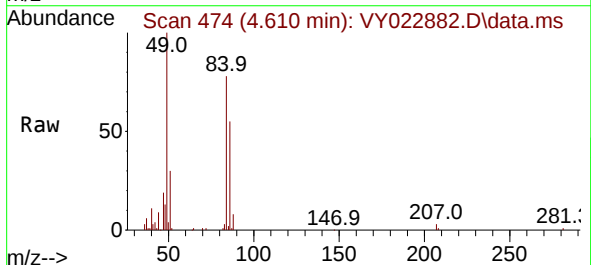
Instrument :
MSVOA_Y
ClientSampleId :
RBR200032

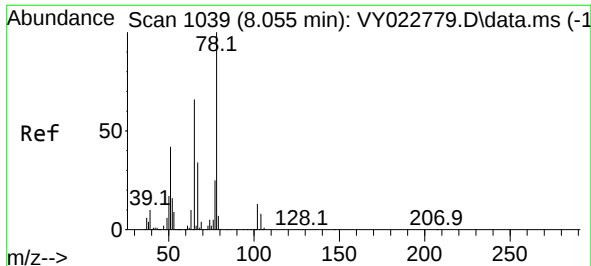
Tgt Ion:168 Resp: 298735
Ion Ratio Lower Upper
168 100
99 58.4 44.3 66.5



#20
Methylene Chloride
Concen: 6.749 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022882.D
Acq: 30 Jun 2025 16:02

Tgt Ion: 84 Resp: 26858
Ion Ratio Lower Upper
84 100
49 128.9 101.9 152.9
51 38.3 29.8 44.8
86 71.3 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 52.467 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022882.D

Acq: 30 Jun 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

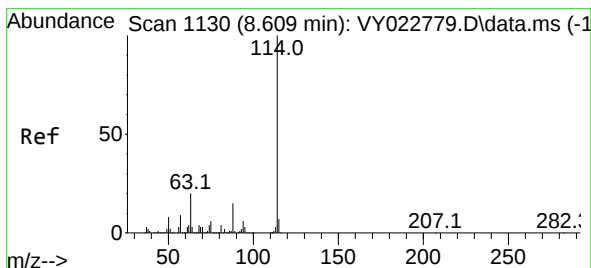
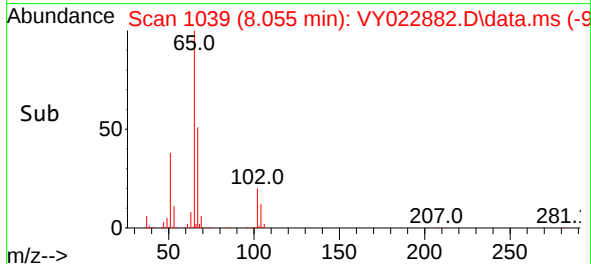
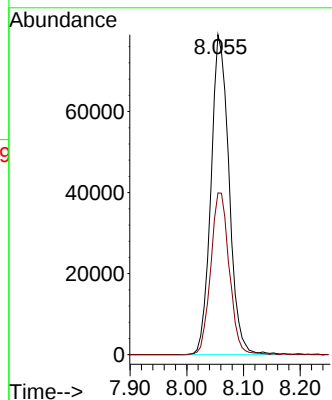
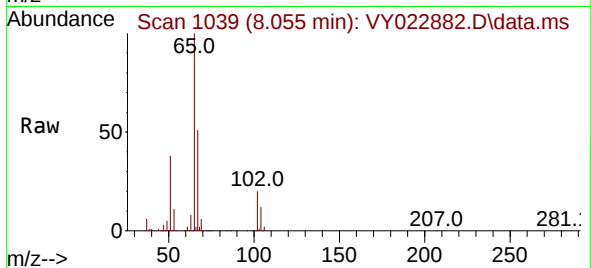
RBR200032

Tgt Ion: 65 Resp: 174934

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: VY022882.D

Acq: 30 Jun 2025 16:02

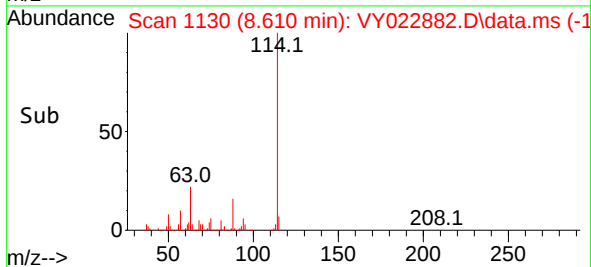
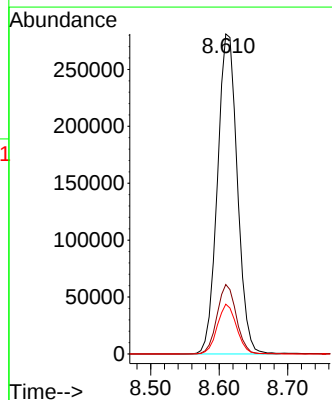
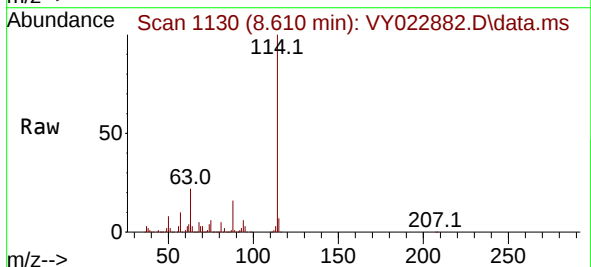
Tgt Ion: 114 Resp: 565547

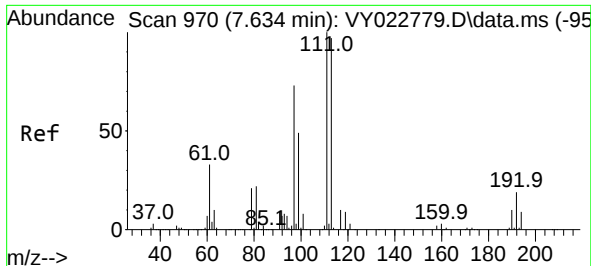
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.8

88 15.5 0.0 27.8

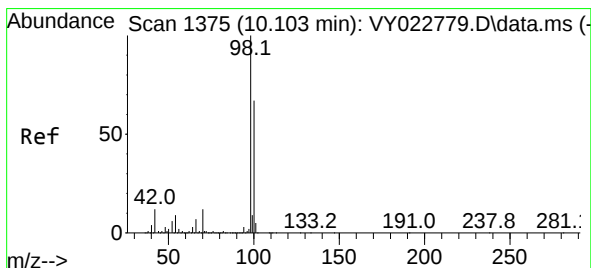
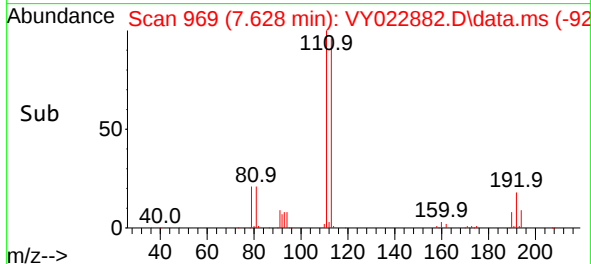
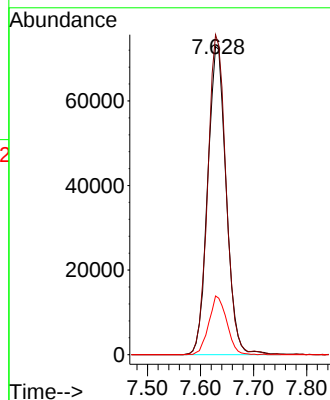
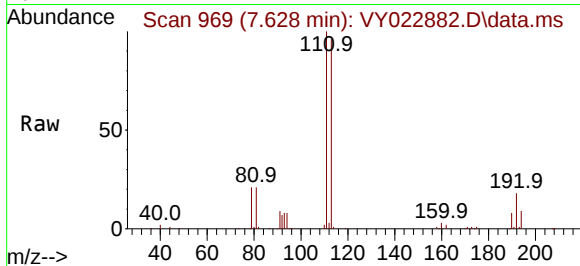




#35
Dibromofluoromethane
Concen: 51.382 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022882.D
Acq: 30 Jun 2025 16:02

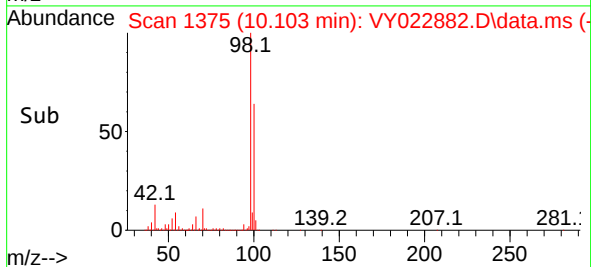
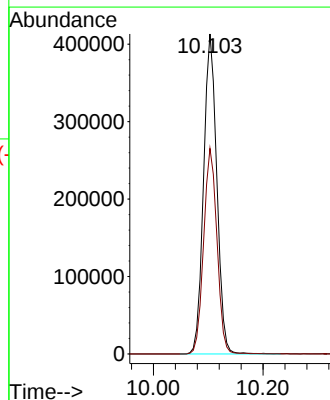
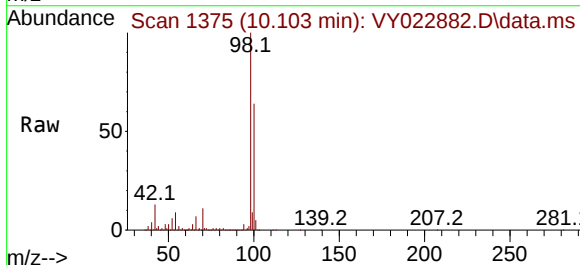
Instrument :
MSVOA_Y
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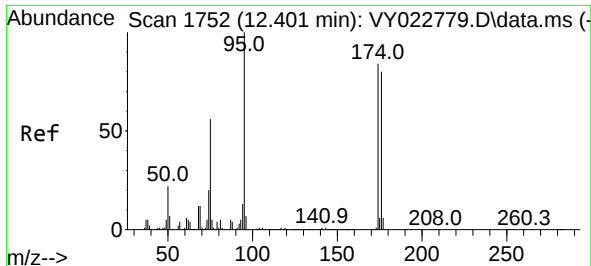
Tgt Ion:113 Resp: 176723
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 18.5 14.2 21.2



#50
Toluene-d8
Concen: 50.650 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022882.D
Acq: 30 Jun 2025 16:02

Tgt Ion: 98 Resp: 691265
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

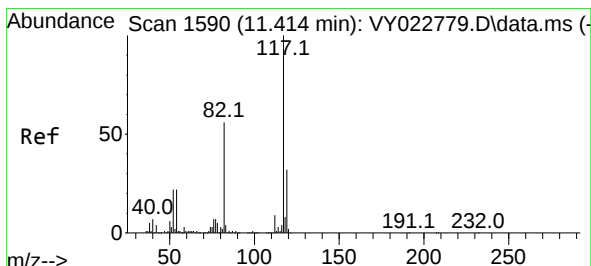
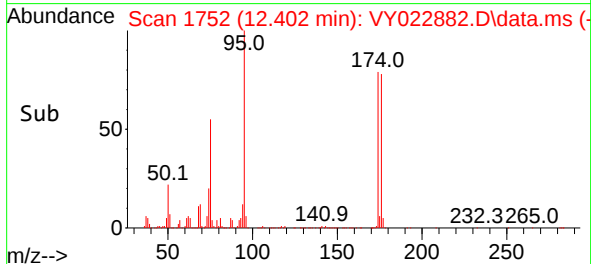
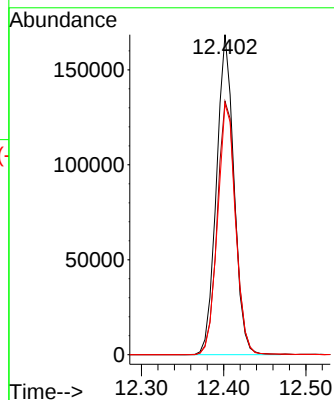
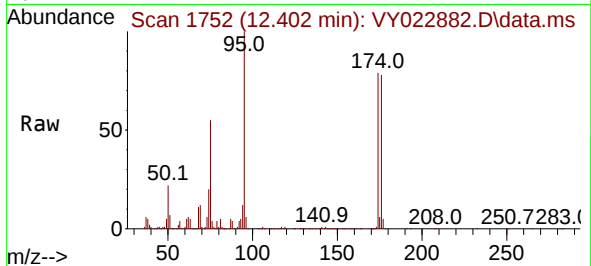




#62
4-Bromofluorobenzene
Concen: 56.866 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022882.D
Acq: 30 Jun 2025 16:02

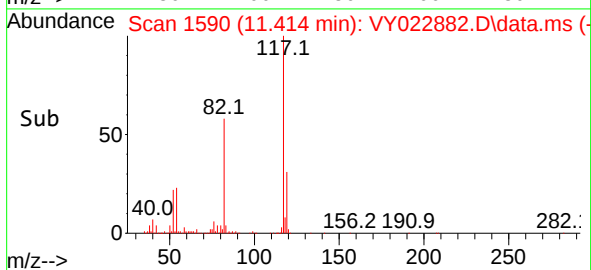
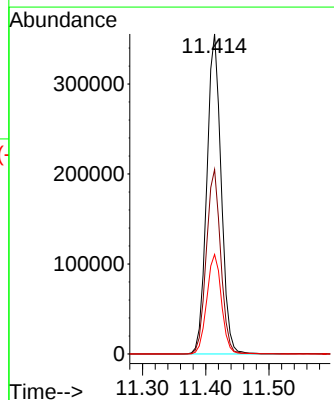
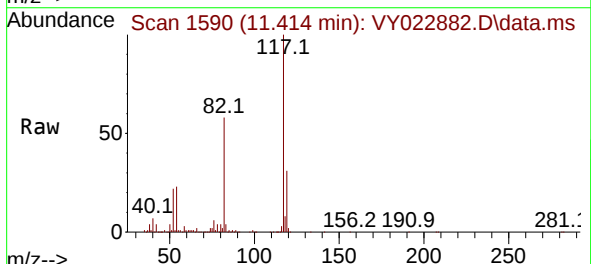
Instrument :
MSVOA_Y
ClientSampleId :
RBR200032

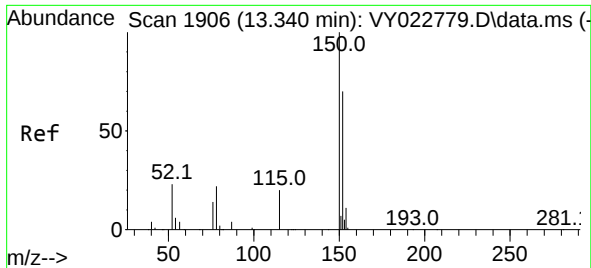
Tgt Ion: 95 Resp: 249495
Ion Ratio Lower Upper
95 100
174 83.1 0.0 170.0
176 80.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022882.D
Acq: 30 Jun 2025 16:02

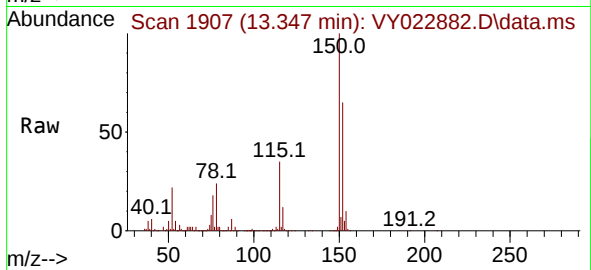
Tgt Ion: 117 Resp: 561474
Ion Ratio Lower Upper
117 100
82 57.7 44.6 66.8
119 31.1 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022882.D
 Acq: 30 Jun 2025 16:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200032



Tgt Ion:152 Resp: 246923

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.9	86.7
150	155.7	0.0	349.6

