

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022822.D
 Acq On : 25 Jun 2025 14:08
 Operator : SY/MD
 Sample : Q2413-04
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-74

Quant Time: Jun 26 01:26:07 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)

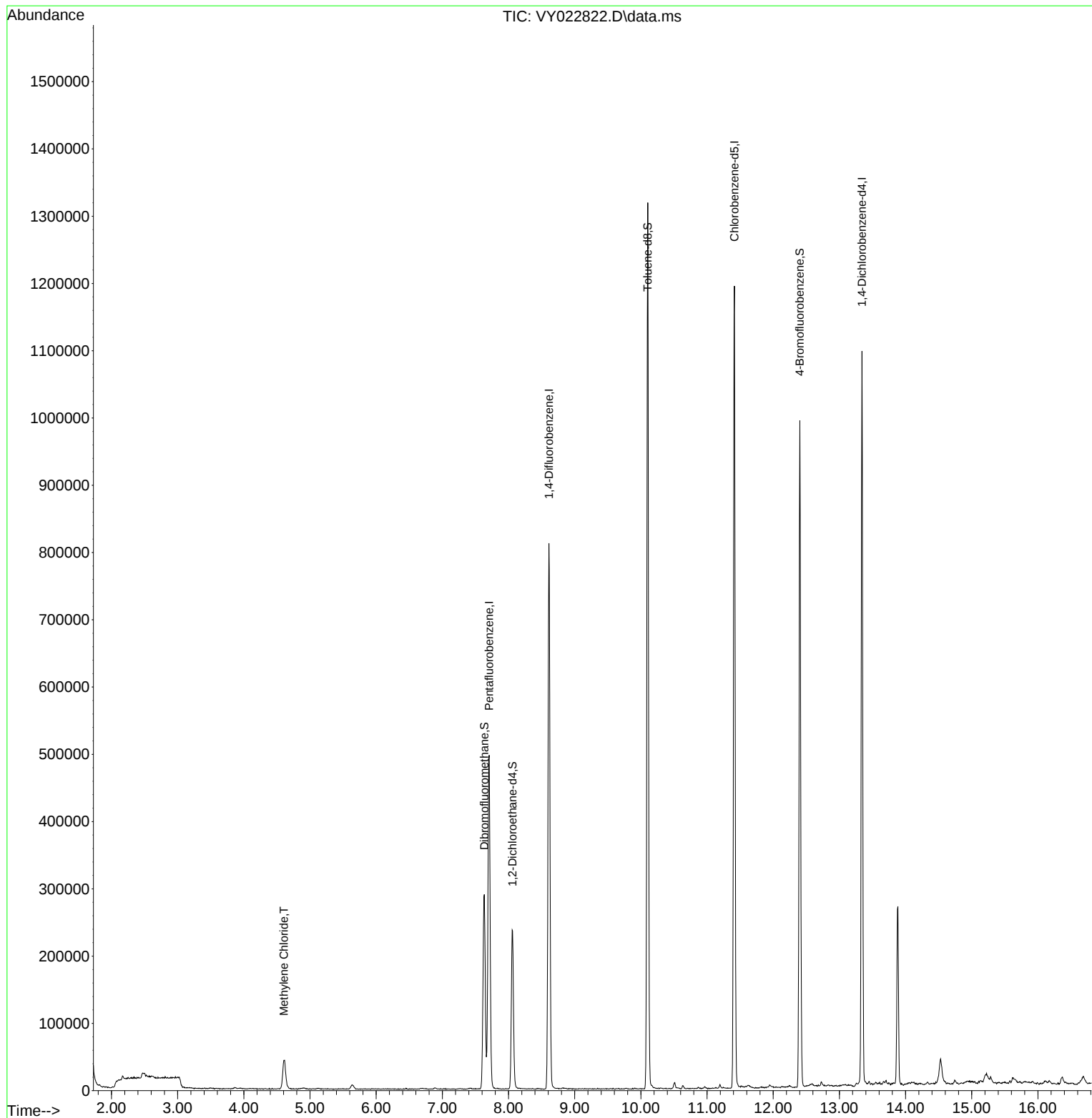
Internal Standards						
1) Pentafluorobenzene	7.707	168	385627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	688505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	619901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	261665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	186483	43.328	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.660%
35) Dibromofluoromethane	7.634	113	206159	49.236	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.480%
50) Toluene-d8	10.103	98	825361	49.675	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.340%
62) 4-Bromofluorobenzene	12.401	95	263147	49.267	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.540%
Target Compounds						
20) Methylene Chloride	4.604	84	33324	6.487	ug/l	Qvalue 86

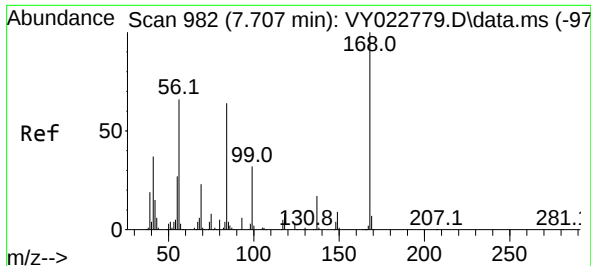
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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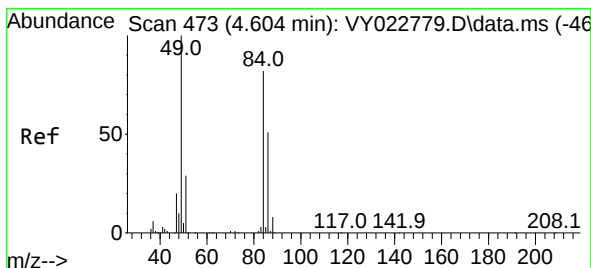
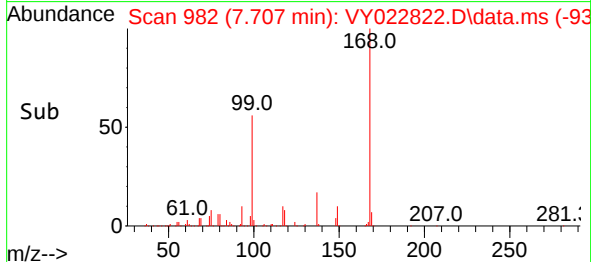
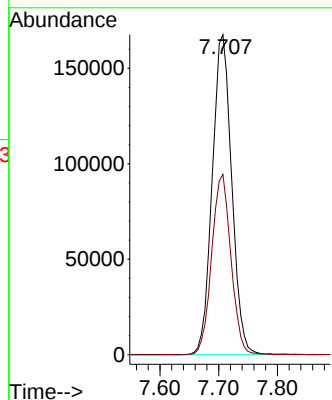
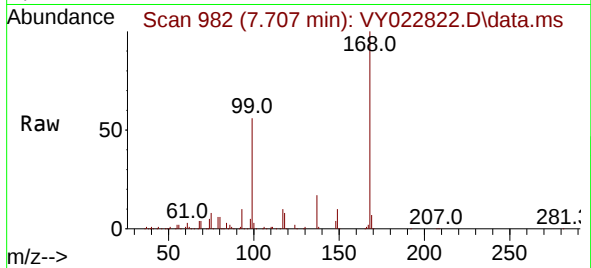




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

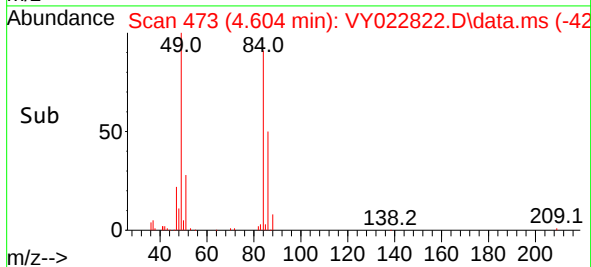
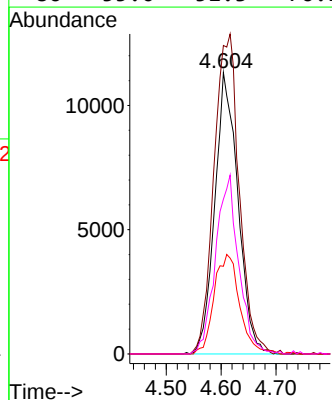
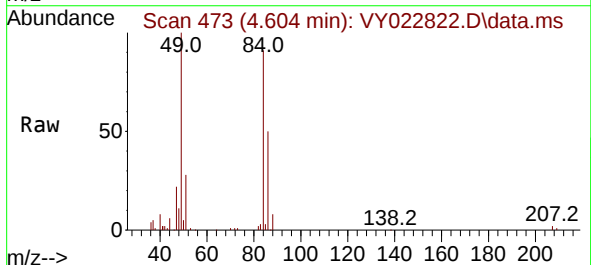
Instrument :
MSVOA_Y
ClientSampleId :
TP-74

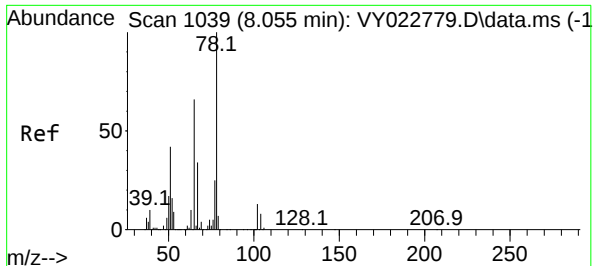
Tgt Ion:168 Resp: 385627
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#20
Methylene Chloride
Concen: 6.487 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

Tgt Ion: 84 Resp: 33324
Ion Ratio Lower Upper
84 100
49 109.6 101.9 152.9
51 31.2 29.8 44.8
86 55.0 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 43.328 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022822.D

Acq: 25 Jun 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

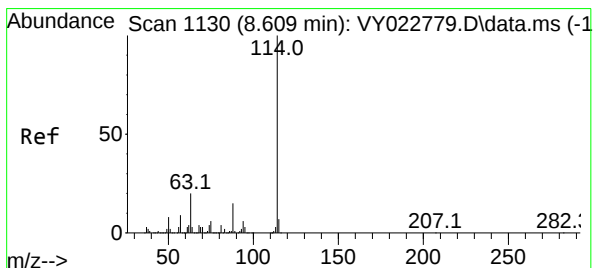
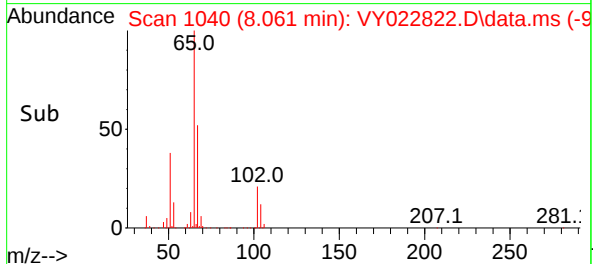
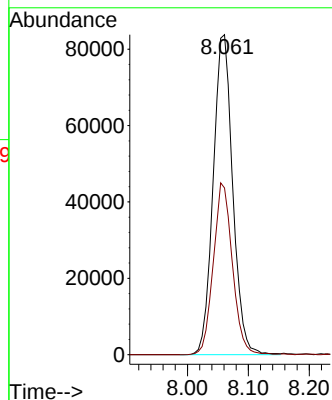
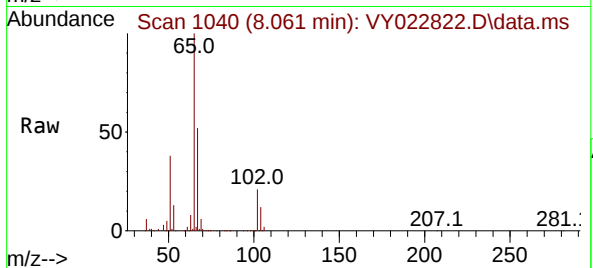
TP-74

Tgt Ion: 65 Resp: 186483

Ion Ratio Lower Upper

65 100

67 52.4 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: VY022822.D

Acq: 25 Jun 2025 14:08

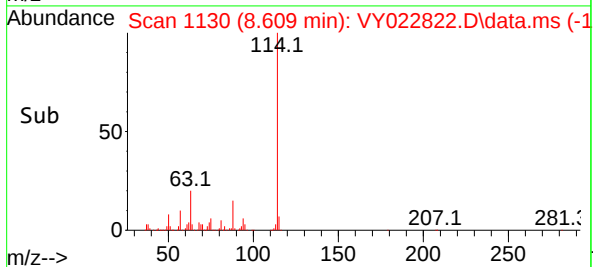
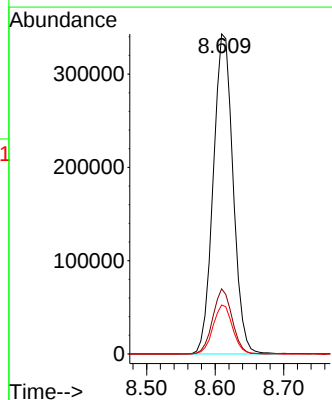
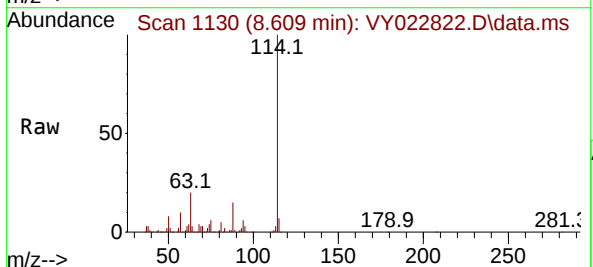
Tgt Ion:114 Resp: 688505

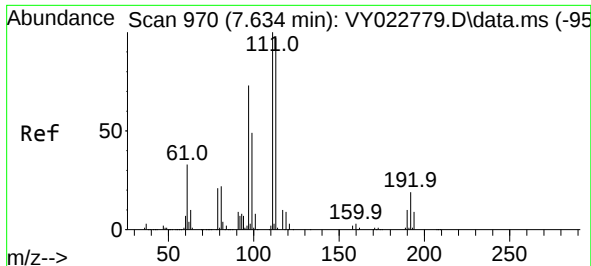
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.3 0.0 27.8

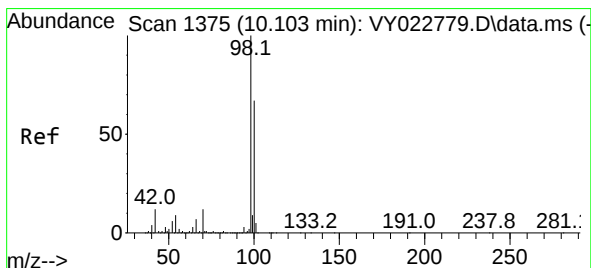
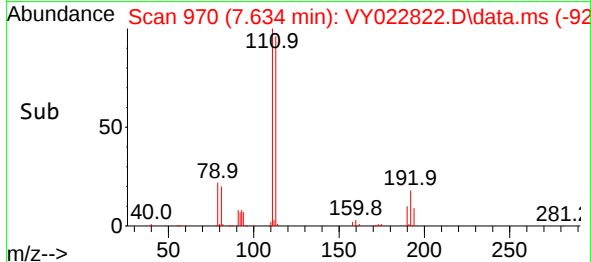
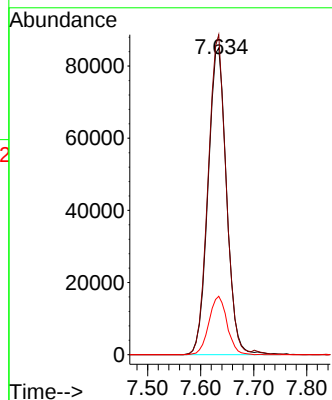
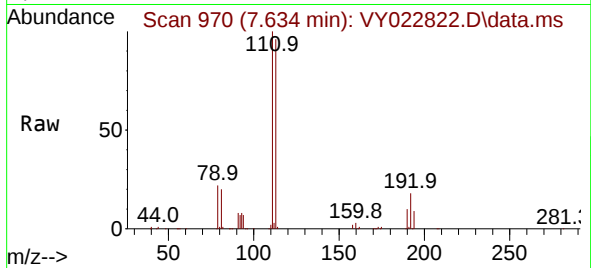




#35
Dibromofluoromethane
Concen: 49.236 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

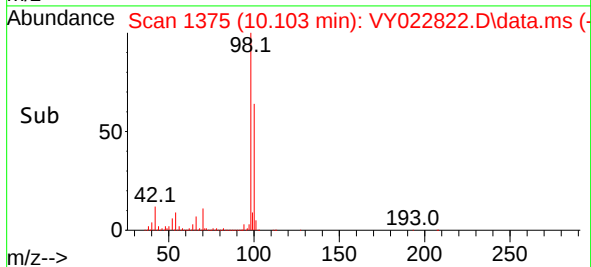
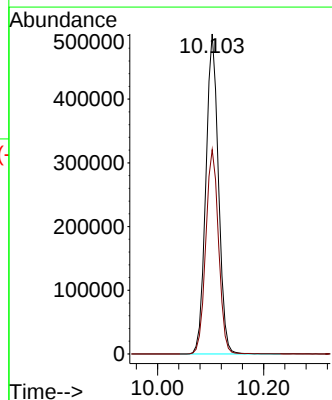
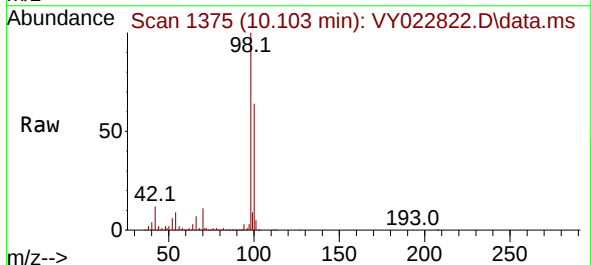
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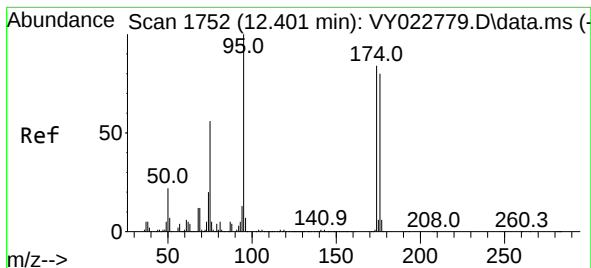
Tgt Ion:113 Resp: 206159
Ion Ratio Lower Upper
113 100
111 101.2 81.1 121.7
192 18.7 14.2 21.2



#50
Toluene-d8
Concen: 49.675 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

Tgt Ion: 98 Resp: 825361
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0

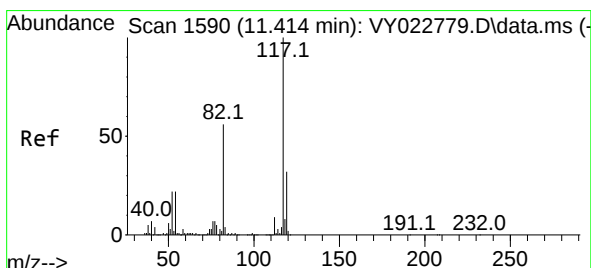
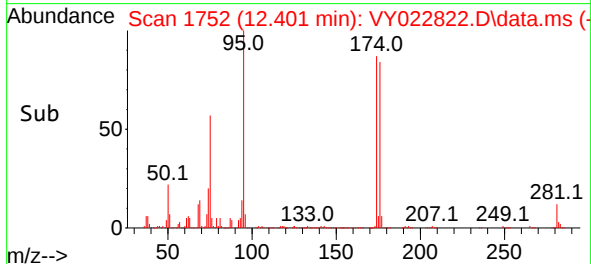
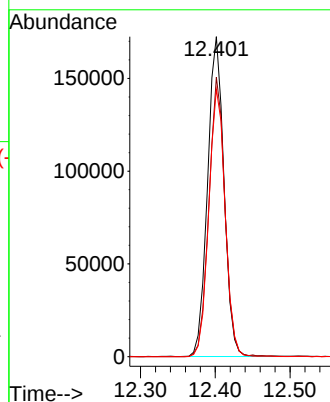
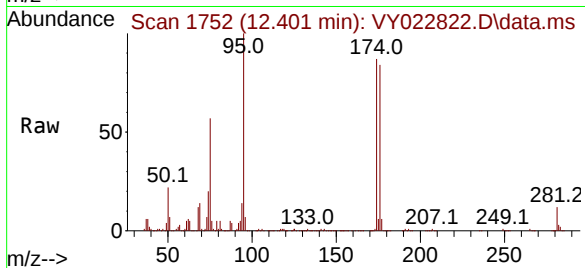




#62
4-Bromofluorobenzene
Concen: 49.267 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

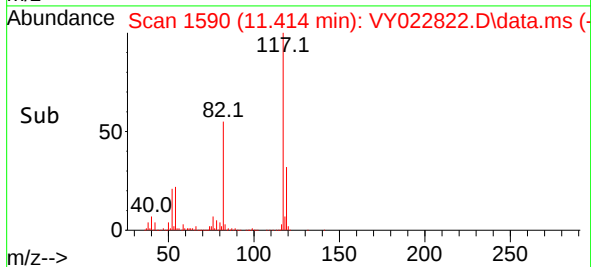
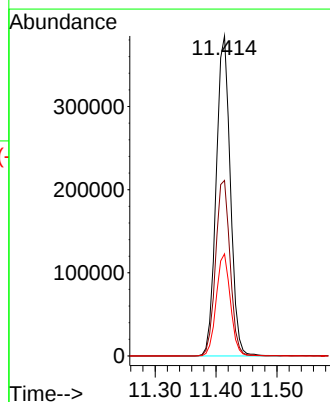
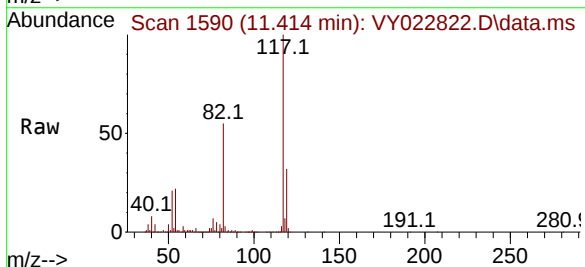
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MSVOA_Y
ClientSampleId :
TP-74

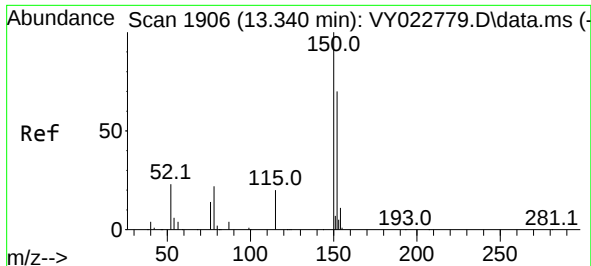
Tgt Ion: 95 Resp: 263147
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.0
176 83.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022822.D
Acq: 25 Jun 2025 14:08

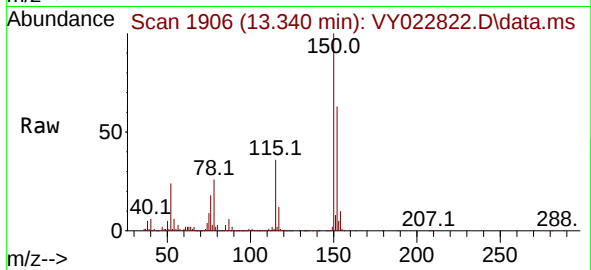
Tgt Ion: 117 Resp: 619901
Ion Ratio Lower Upper
117 100
82 54.8 44.6 66.8
119 31.9 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022822.D
 Acq: 25 Jun 2025 14:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-74



Tgt Ion:152 Resp: 261665

Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.9	86.7
150	155.5	0.0	349.6

