

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023368.D
 Acq On : 25 Sep 2025 12:58
 Operator : SY/MD
 Sample : Q3189-01
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11989

Quant Time: Sep 25 16:29:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

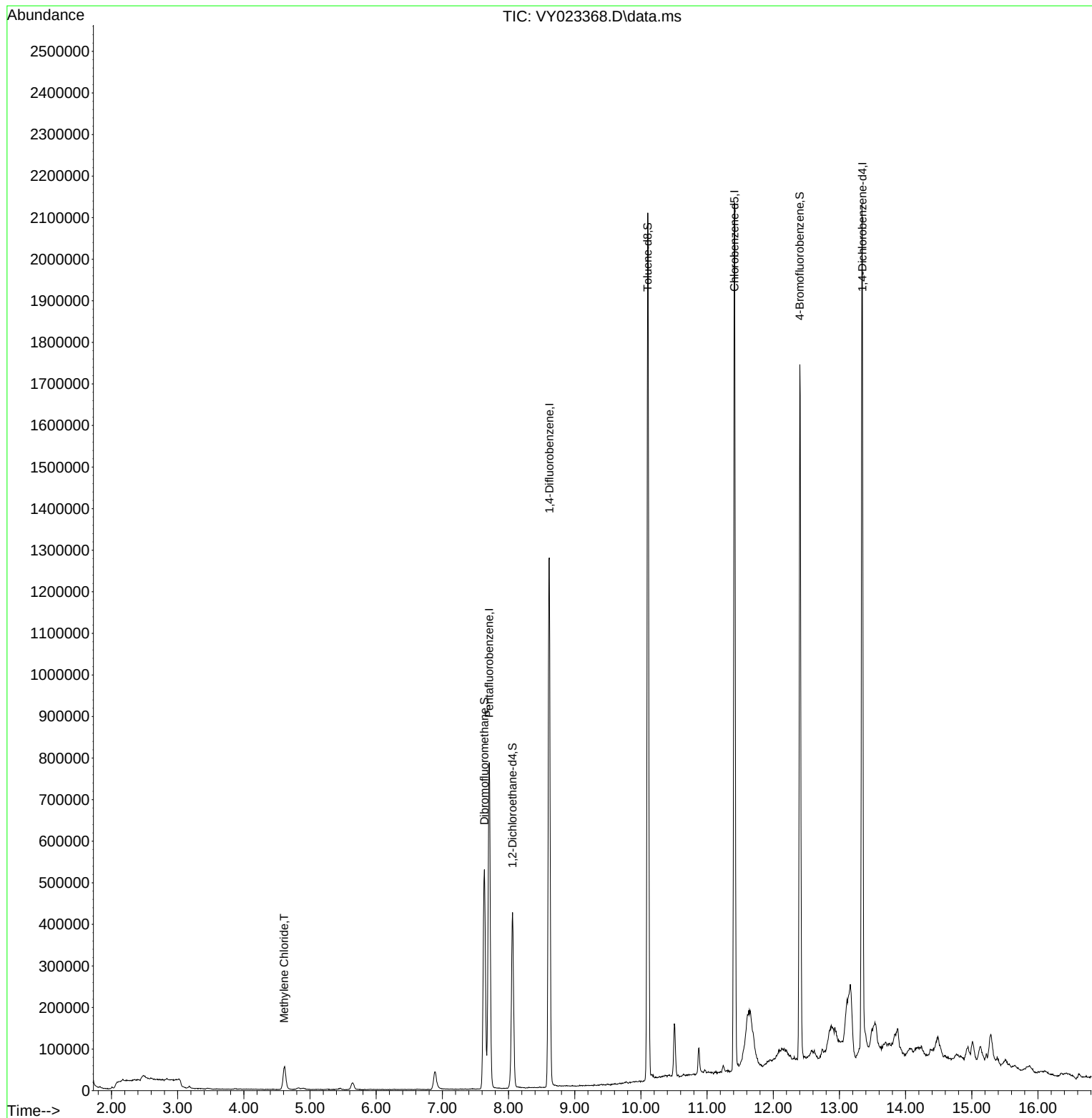
Internal Standards						
1) Pentafluorobenzene	7.707	168	656846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1188101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1165416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	549362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	321066	55.627	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	111.260%	
35) Dibromofluoromethane	7.634	113	379471	52.251	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	104.500%	
50) Toluene-d8	10.103	98	1392736	50.786	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	101.580%	
62) 4-Bromofluorobenzene	12.401	95	509202	59.003	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	118.000%	
Target Compounds						
20) Methylene Chloride	4.610	84	43279	6.153	ug/l	Qvalue 90

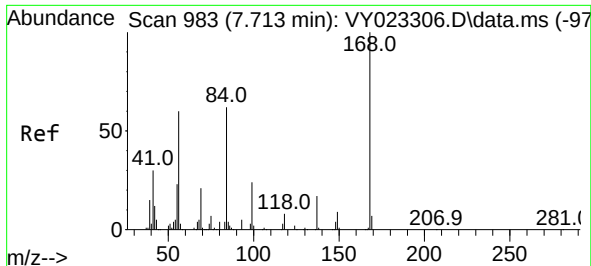
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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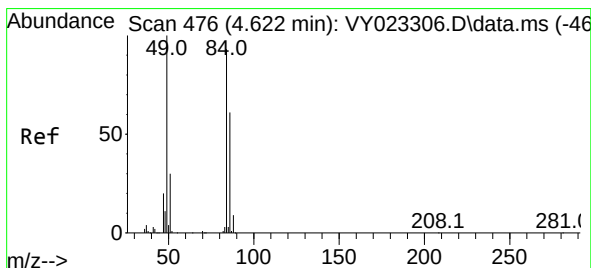
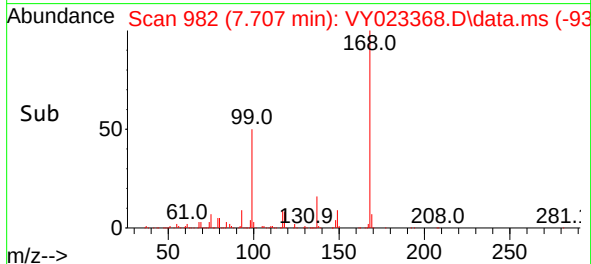
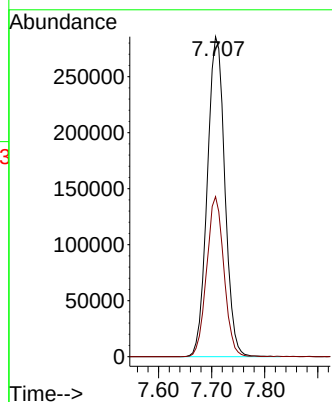
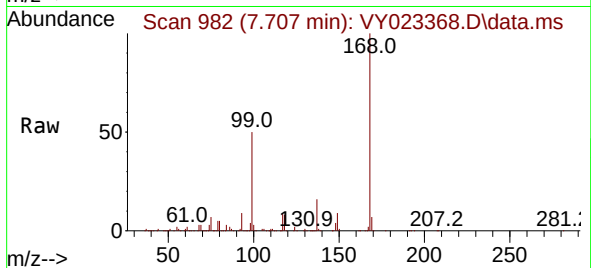




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

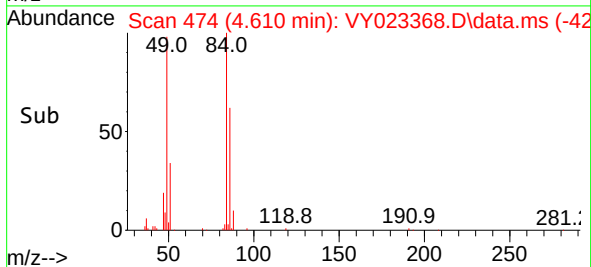
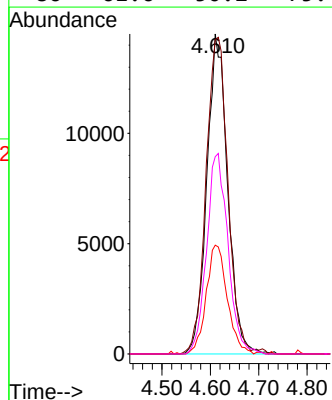
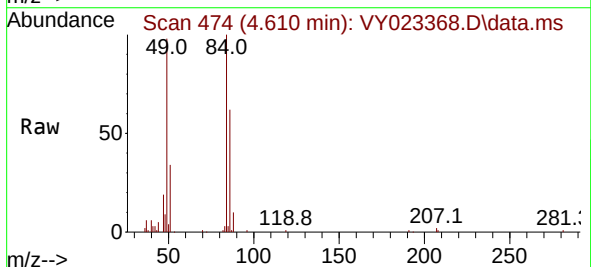
Instrument :
MSVOA_Y
ClientSampleId :
72-11989

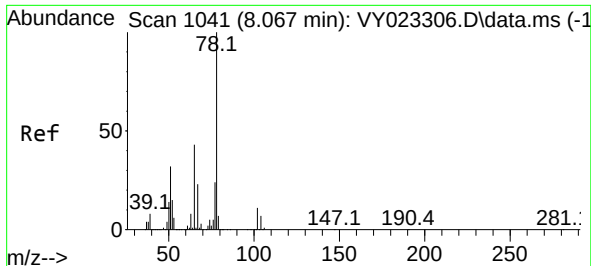
Tgt Ion:168 Resp: 656846
Ion Ratio Lower Upper
168 100
99 50.0 42.8 64.2



#20
Methylene Chloride
Concen: 6.153 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

Tgt Ion: 84 Resp: 43279
Ion Ratio Lower Upper
84 100
49 98.2 93.0 139.6
51 34.0 29.0 43.4
86 61.6 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 55.627 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023368.D

Acq: 25 Sep 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

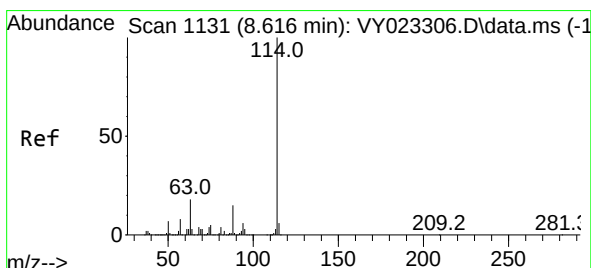
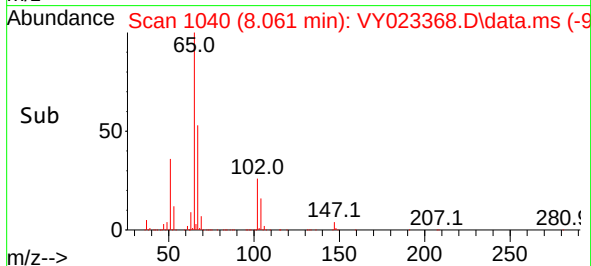
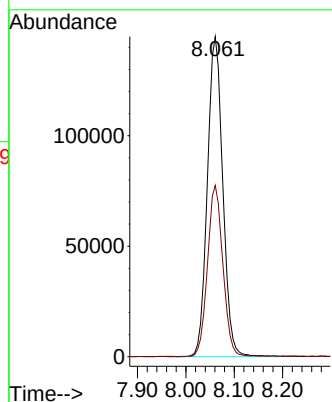
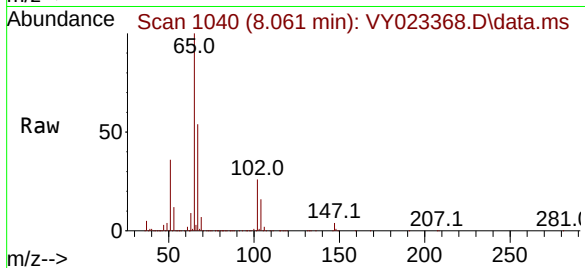
72-11989

Tgt Ion: 65 Resp: 321066

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023368.D

Acq: 25 Sep 2025 12:58

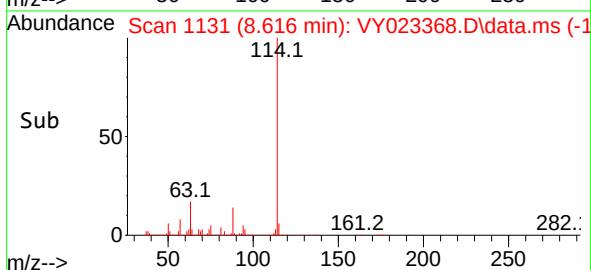
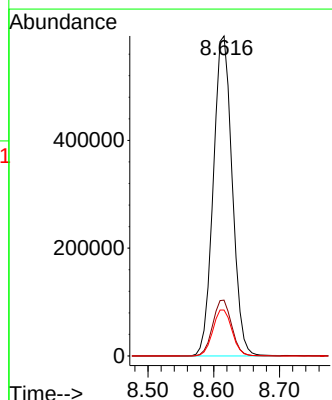
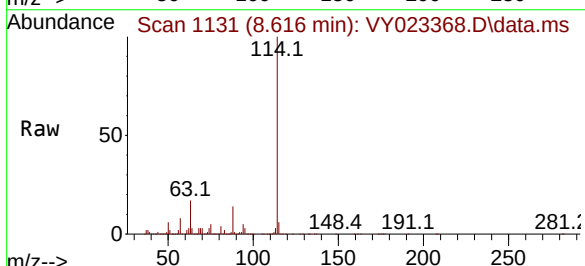
Tgt Ion: 114 Resp: 1188101

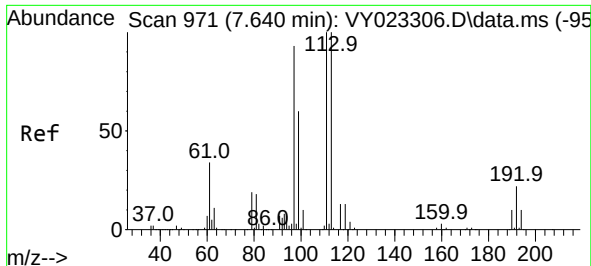
Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

88 14.4 0.0 30.0



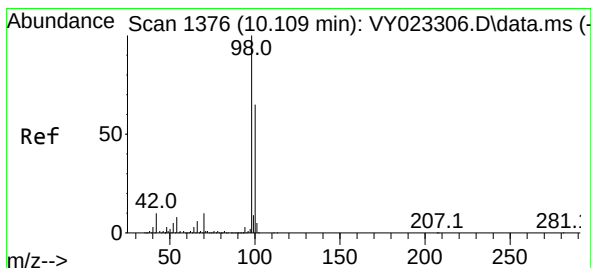
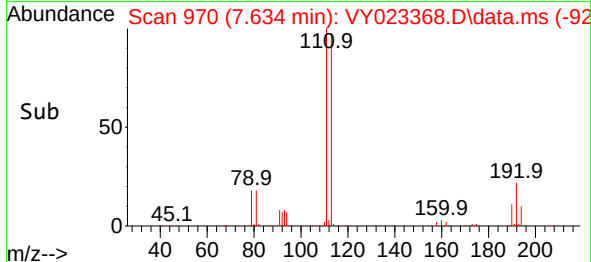
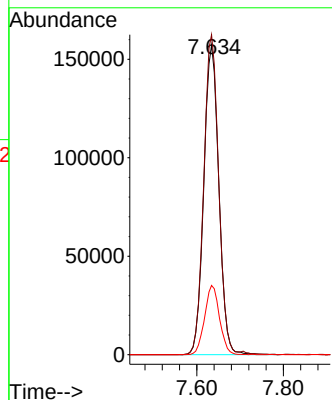
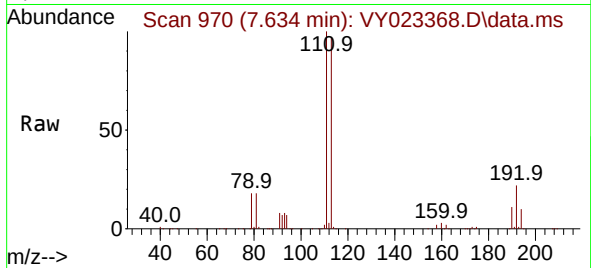


#35
 Dibromofluoromethane
 Concen: 52.251 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY023368.D
 Acq: 25 Sep 2025 12:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11989

Tgt Ion:113 Resp: 379471

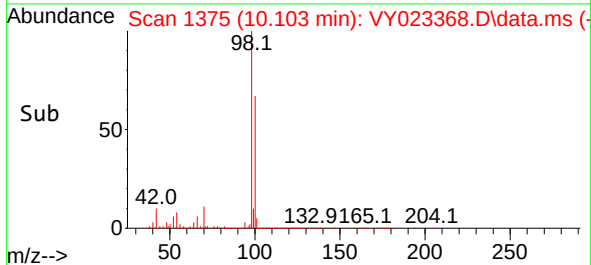
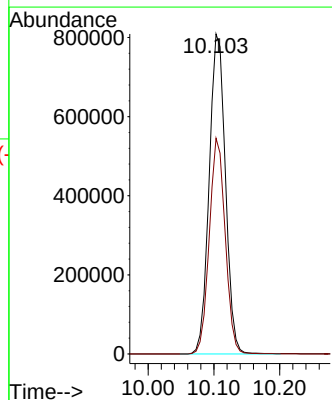
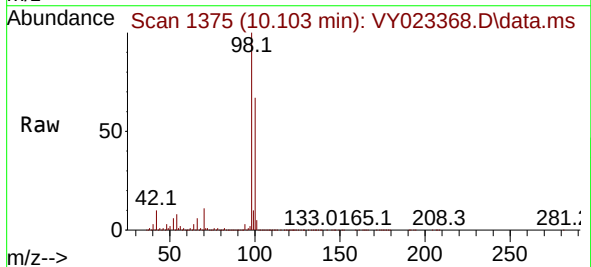
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.1	121.7
192	22.1	16.2	24.4

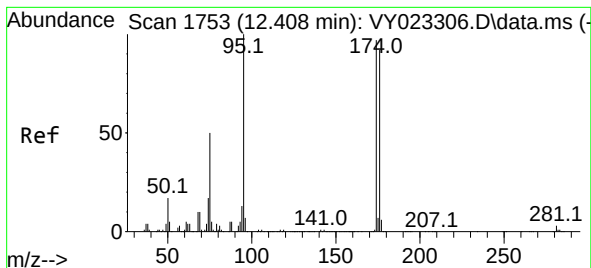


#50
 Toluene-d8
 Concen: 50.786 ug/l
 RT: 10.103 min Scan# 1375
 Delta R.T. 0.000 min
 Lab File: VY023368.D
 Acq: 25 Sep 2025 12:58

Tgt Ion: 98 Resp: 1392736

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.3	78.5

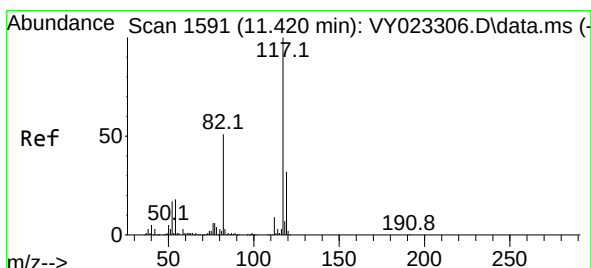
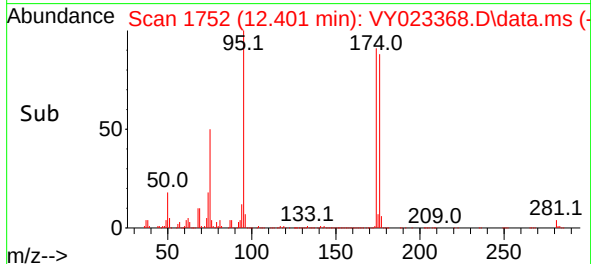
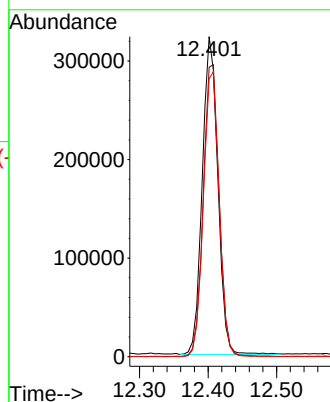
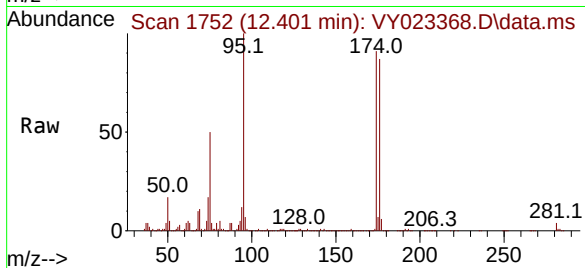




#62
4-Bromofluorobenzene
Concen: 59.003 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

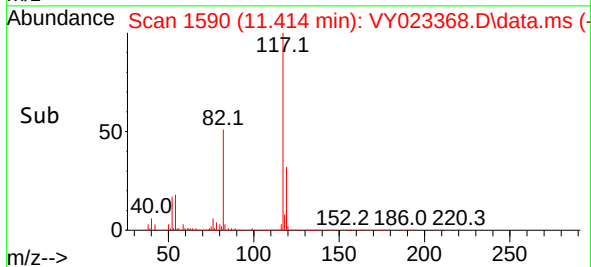
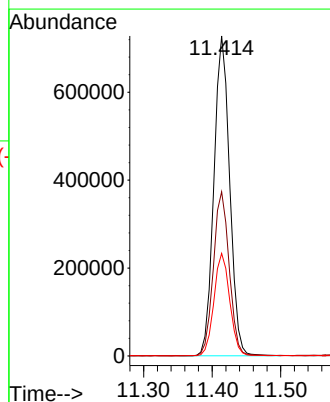
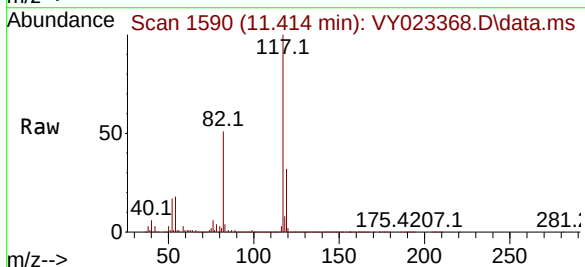
Instrument :
MSVOA_Y
ClientSampleId :
72-11989

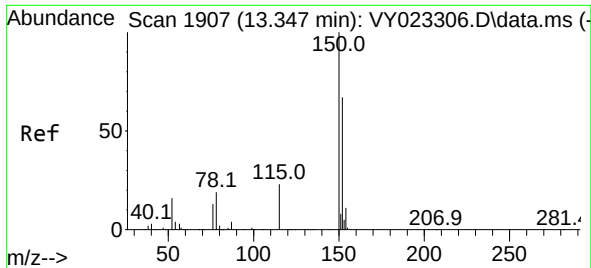
Tgt Ion: 95 Resp: 509202
Ion Ratio Lower Upper
95 100
174 94.2 0.0 171.6
176 90.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

Tgt Ion: 117 Resp: 1165416
Ion Ratio Lower Upper
117 100
82 51.2 43.4 65.0
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. 0.006 min
 Lab File: VY023368.D
 Acq: 25 Sep 2025 12:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11989

Tgt Ion:152 Resp: 549362
 Ion Ratio Lower Upper
 152 100
 115 54.4 28.2 84.6
 150 156.5 0.0 348.0

