

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023737.D
 Acq On : 11 Nov 2025 14:04
 Operator : SY/MD
 Sample : Q3597-10
 Misc : 5.83g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Nov 12 03:36:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

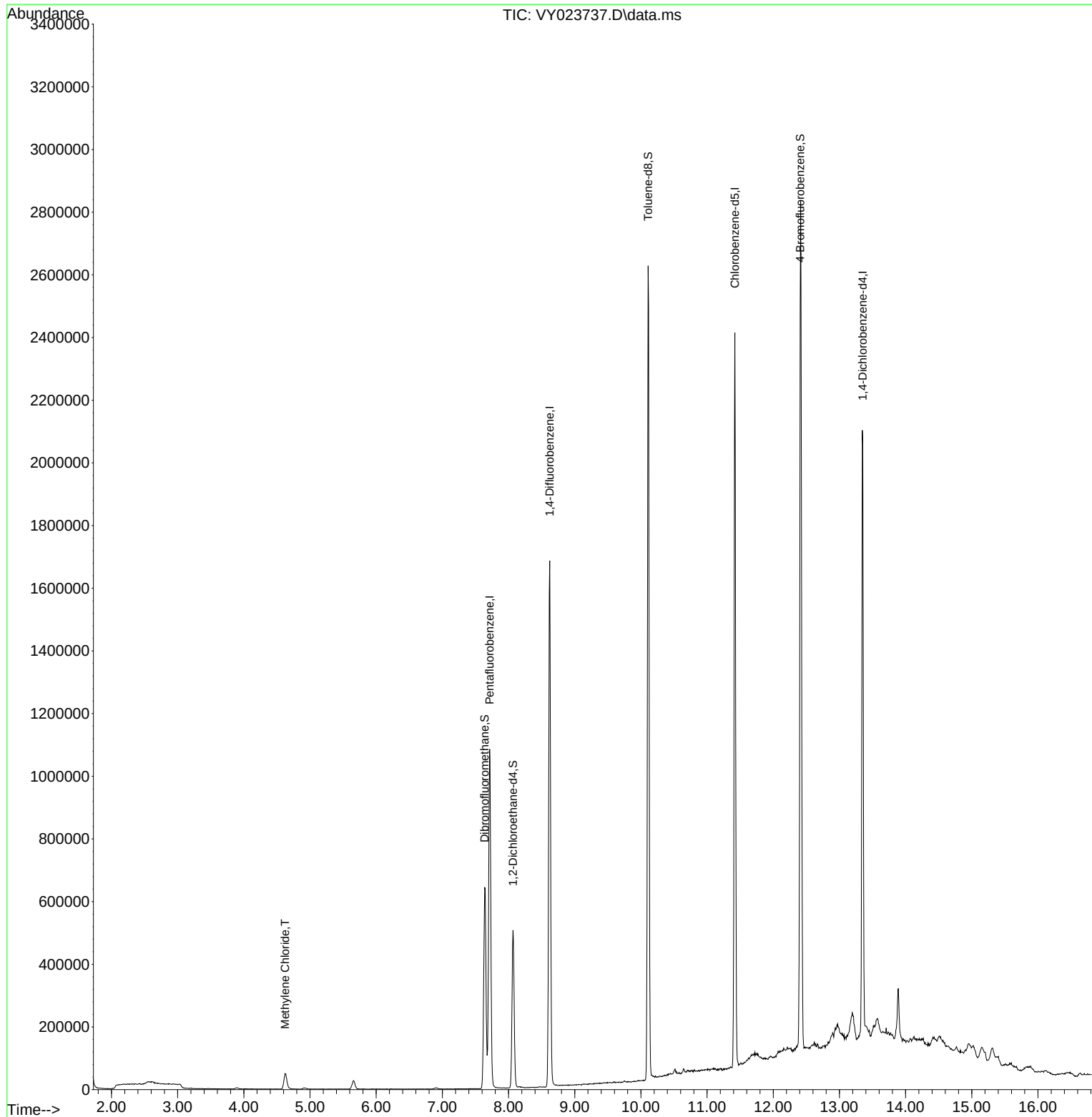
Internal Standards						
1) Pentafluorobenzene	7.713	168	912224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1535133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1304824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	543897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	393151	51.539	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.080%			
35) Dibromofluoromethane	7.640	113	466036	49.407	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.820%			
50) Toluene-d8	10.109	98	1755658	49.979	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.960%			
62) 4-Bromofluorobenzene	12.408	95	530533	45.745	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.500%			
Target Compounds						
20) Methylene Chloride	4.622	84	41553	4.231	ug/l	99

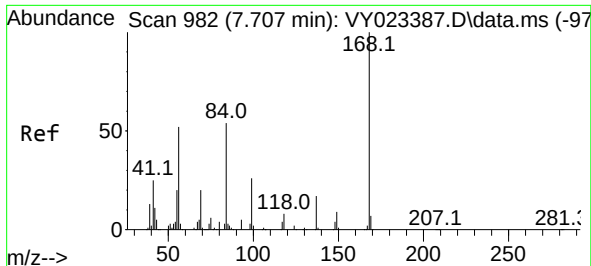
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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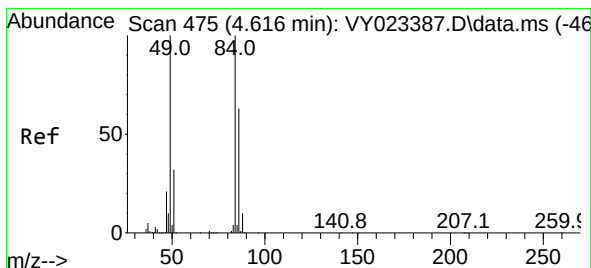
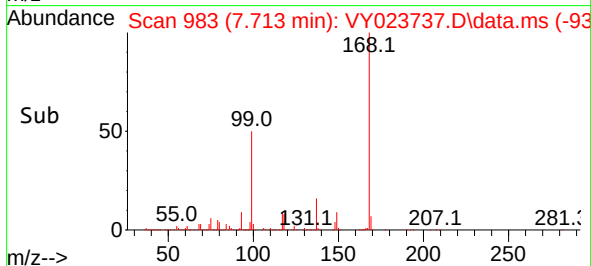
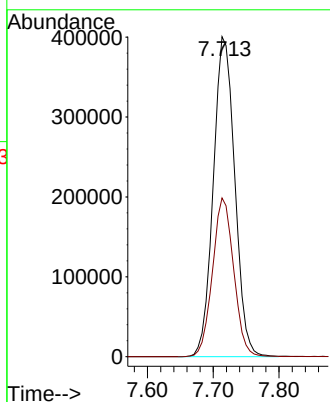
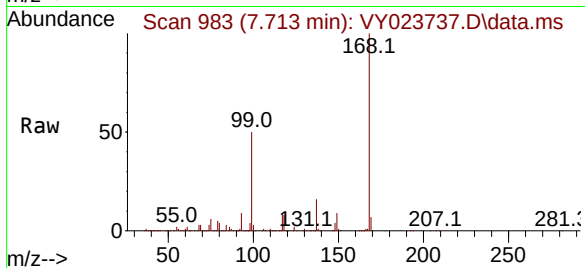




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023737.D
Acq: 11 Nov 2025 14:04

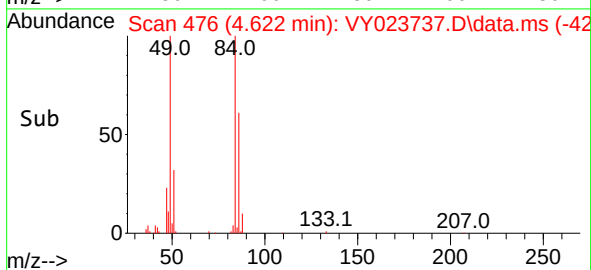
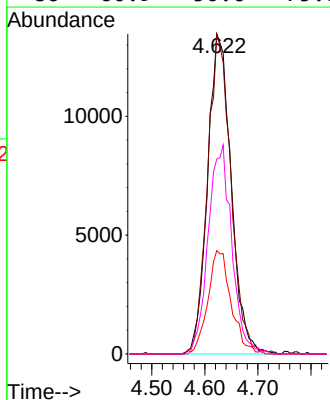
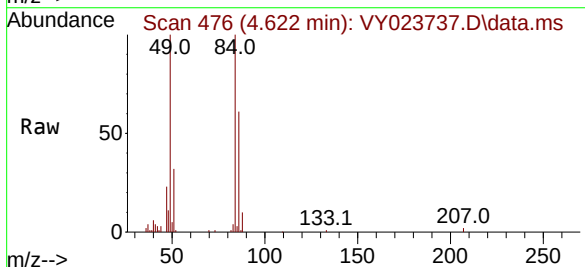
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

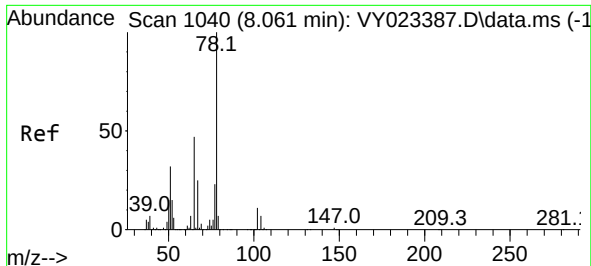
Tgt Ion:168 Resp: 912224
Ion Ratio Lower Upper
168 100
99 49.6 39.7 59.5



#20
Methylene Chloride
Concen: 4.231 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023737.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 84 Resp: 41553
Ion Ratio Lower Upper
84 100
49 99.8 80.2 120.4
51 32.3 25.9 38.9
86 60.9 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 51.539 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023737.D

Acq: 11 Nov 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

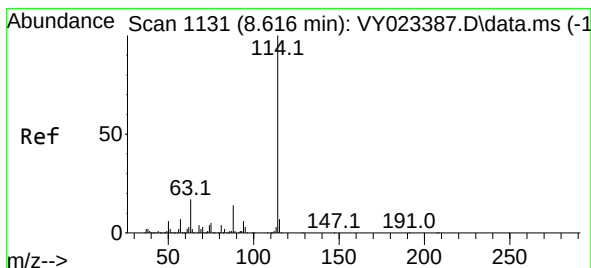
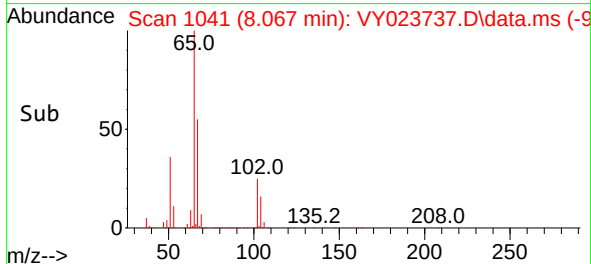
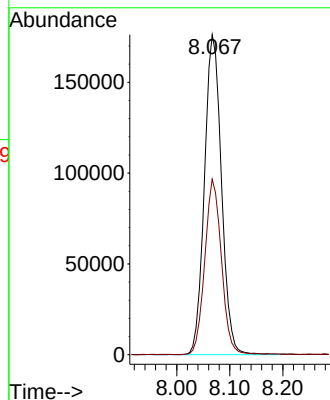
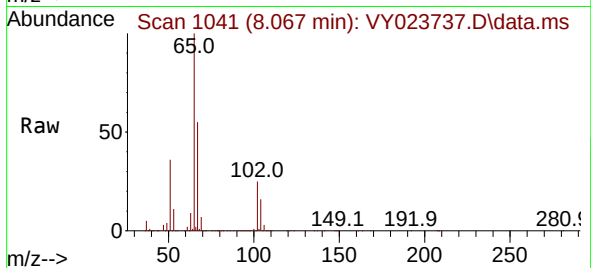
TP-4

Tgt Ion: 65 Resp: 393151

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023737.D

Acq: 11 Nov 2025 14:04

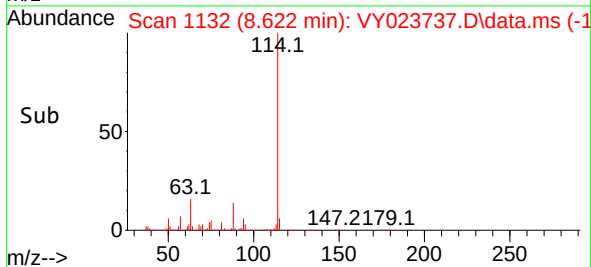
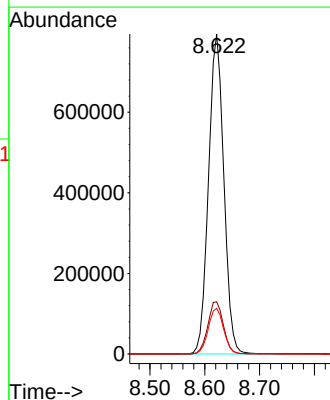
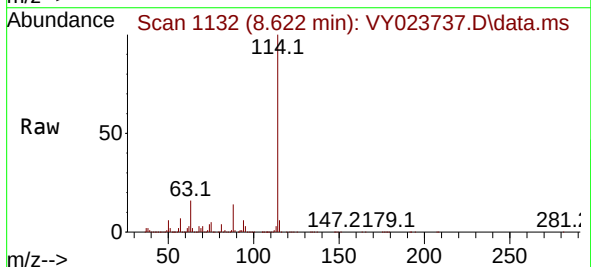
Tgt Ion: 114 Resp: 1535133

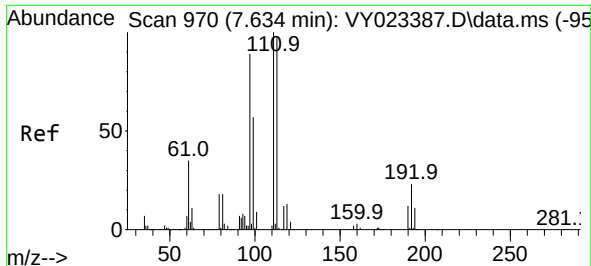
Ion Ratio Lower Upper

114 100

63 16.3 0.0 34.2

88 14.3 0.0 28.4

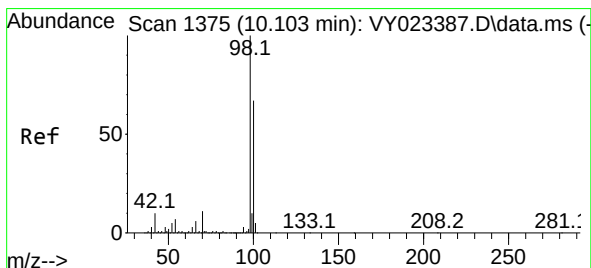
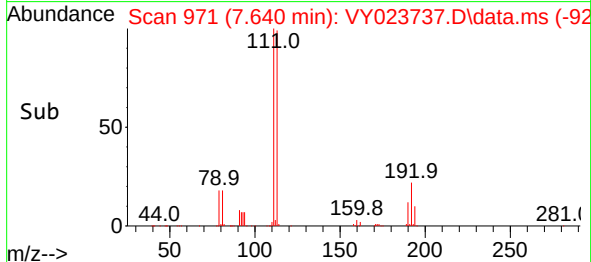
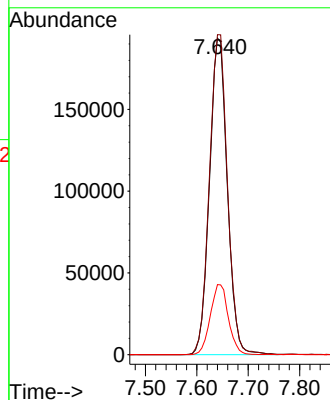
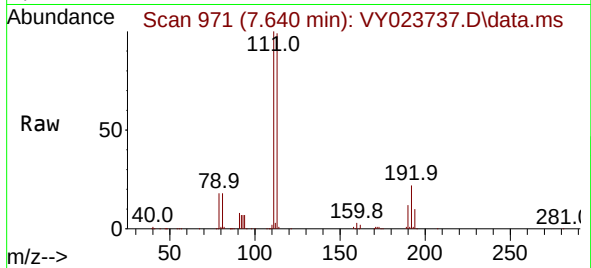




#35
Dibromofluoromethane
Concen: 49.407 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023737.D
Acq: 11 Nov 2025 14:04

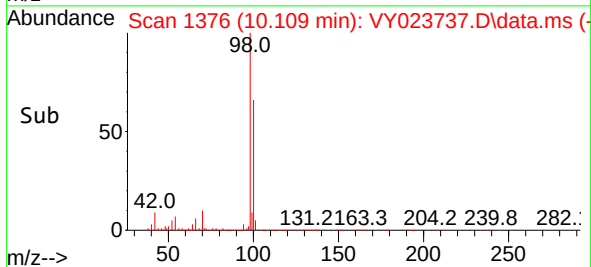
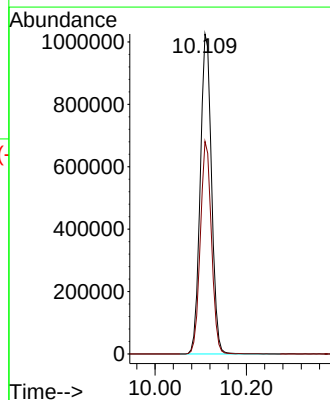
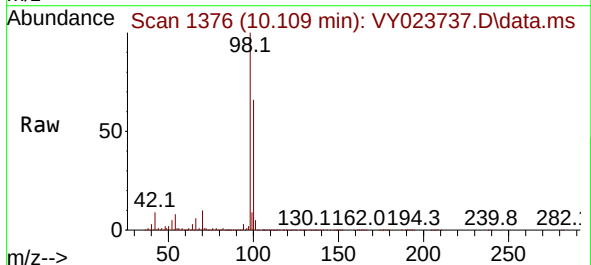
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

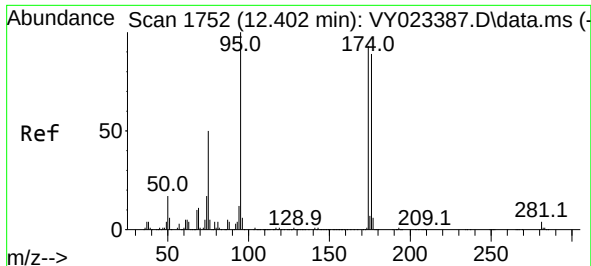
Tgt Ion:113 Resp: 466036
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 22.5 18.0 27.0



#50
Toluene-d8
Concen: 49.979 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023737.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 98 Resp: 1755658
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4

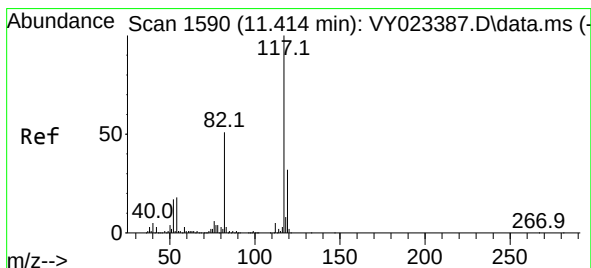
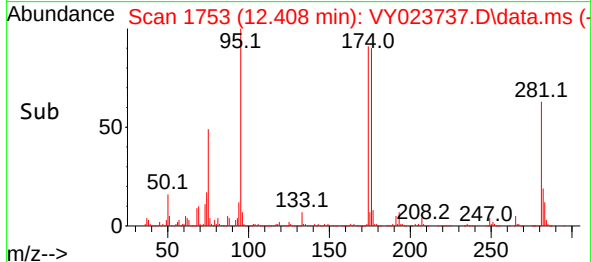
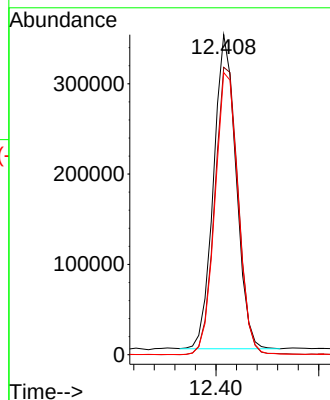
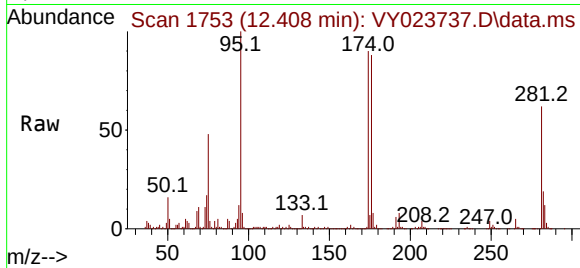




#62
4-Bromofluorobenzene
Concen: 45.745 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023737.D
Acq: 11 Nov 2025 14:04

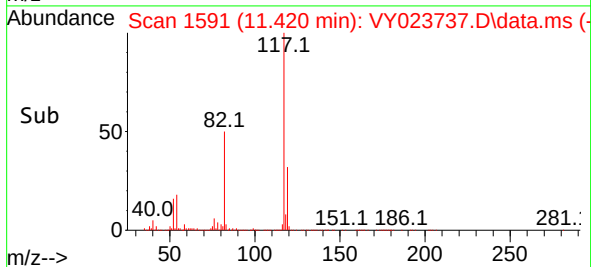
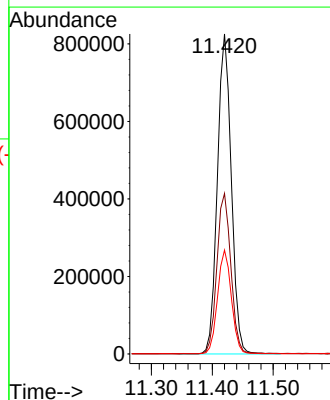
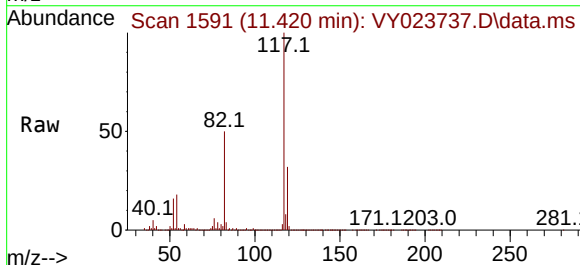
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

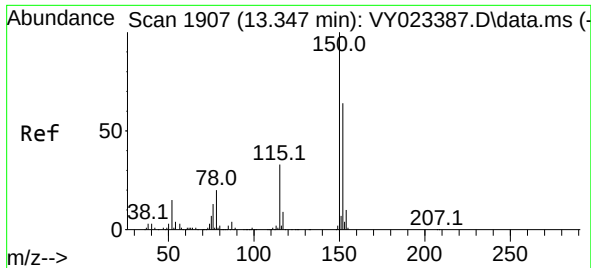
Tgt Ion: 95 Resp: 530533
Ion Ratio Lower Upper
95 100
174 95.5 0.0 192.8
176 92.6 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023737.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 117 Resp: 1304824
Ion Ratio Lower Upper
117 100
82 50.0 41.0 61.4
119 32.4 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY023737.D
 Acq: 11 Nov 2025 14:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Tgt Ion:152 Resp: 543897
 Ion Ratio Lower Upper
 152 100
 115 53.9 27.1 81.2
 150 154.7 0.0 347.4

