

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023538.D
 Acq On : 21 Oct 2025 16:34
 Operator : SY/MD
 Sample : Q3413-01
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-184-GW-980-982

Quant Time: Oct 22 12:29:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 07 14:25:11 2025
 Response via : Initial Calibration

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

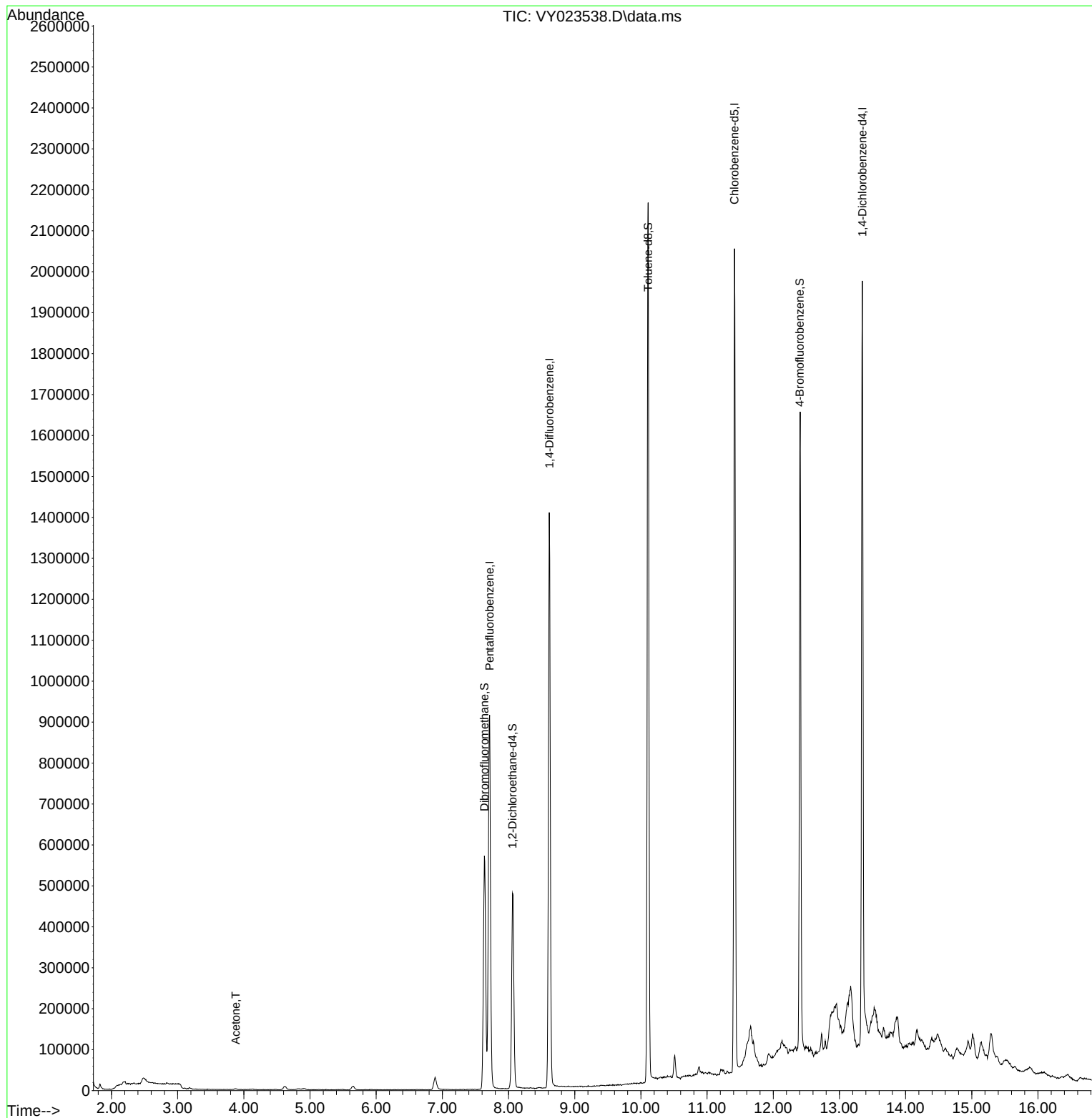
Internal Standards						
1) Pentafluorobenzene	7.713	168	771123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1281476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1156414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	503945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	366900	56.899	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.800%
35) Dibromofluoromethane	7.634	113	407029	51.692	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.380%
50) Toluene-d8	10.109	98	1475922	50.332	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.660%
62) 4-Bromofluorobenzene	12.401	95	472105	48.765	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.520%
Target Compounds						
16) Acetone	3.879	43	4084	2.660	ug/l	Qvalue 92

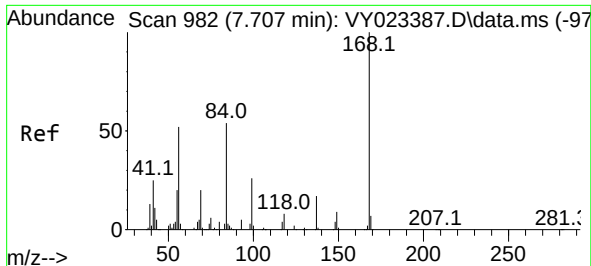
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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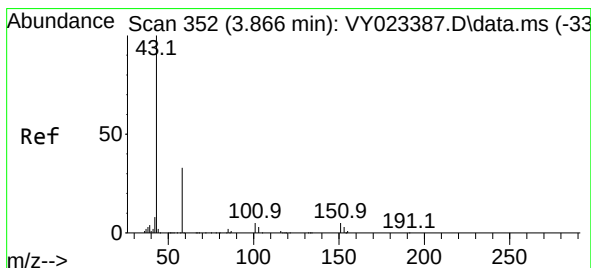
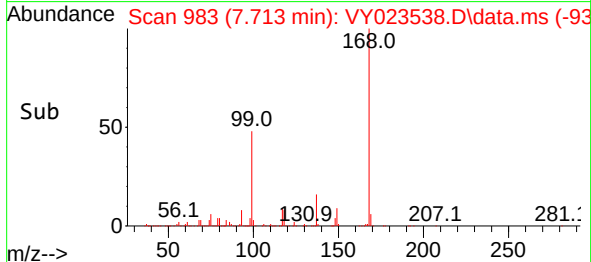
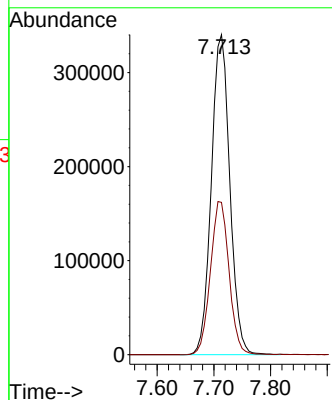
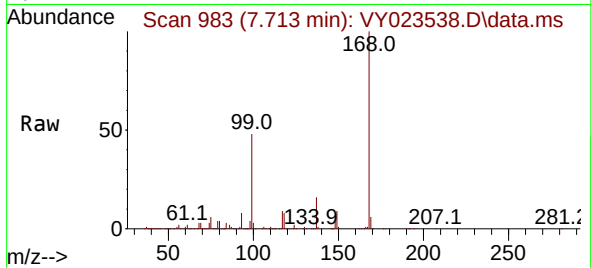




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023538.D
Acq: 21 Oct 2025 16:34

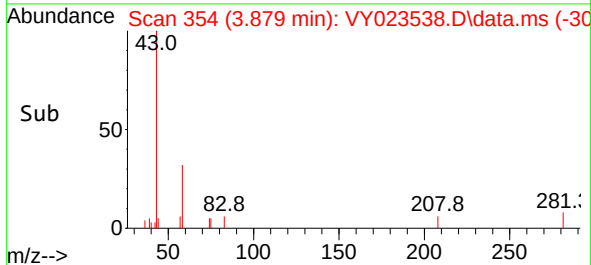
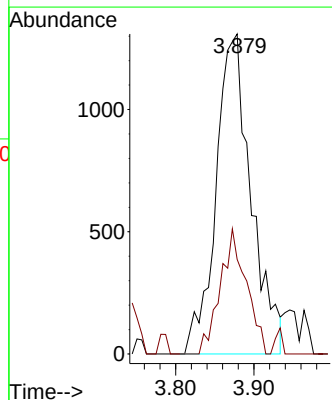
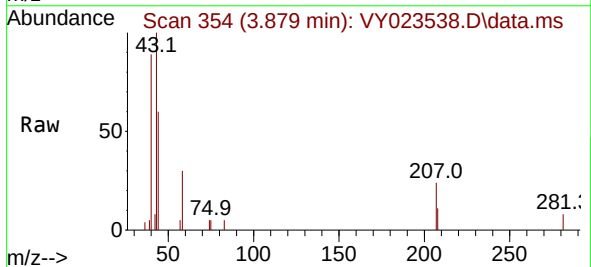
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-184-GW-980-982

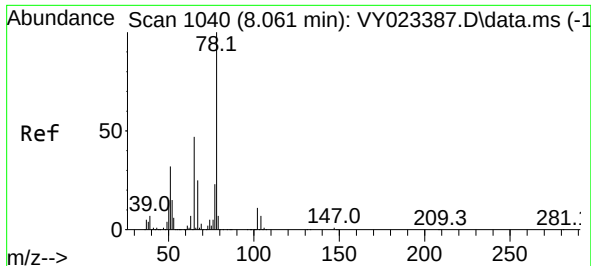
Tgt Ion:168 Resp: 771123
Ion Ratio Lower Upper
168 100
99 47.6 42.8 64.2



#16
Acetone
Concen: 2.660 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY023538.D
Acq: 21 Oct 2025 16:34

Tgt Ion: 43 Resp: 4084
Ion Ratio Lower Upper
43 100
58 29.6 27.1 40.7





#33

1,2-Dichloroethane-d4

Concen: 56.899 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023538.D

Acq: 21 Oct 2025 16:34

Instrument :

MSVOA_Y

ClientSampleId :

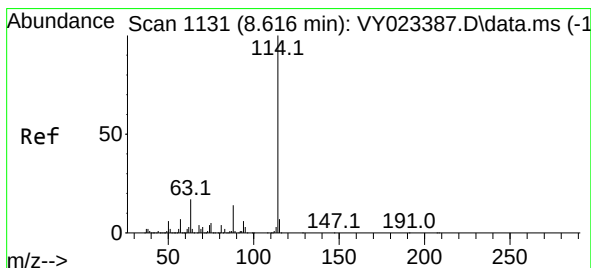
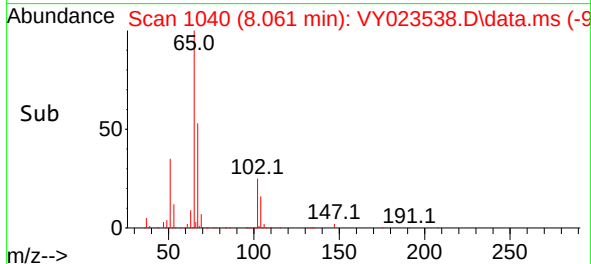
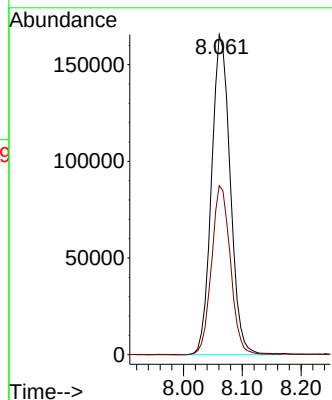
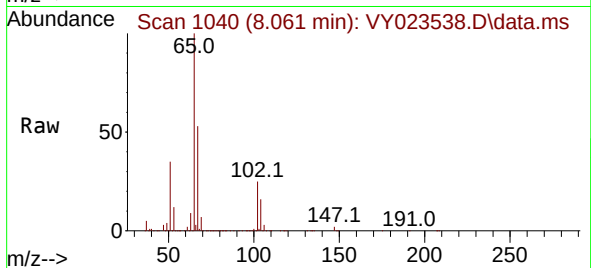
BP-VPB-184-GW-980-982

Tgt Ion: 65 Resp: 366900

Ion Ratio Lower Upper

65 100

67 53.2 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: VY023538.D

Acq: 21 Oct 2025 16:34

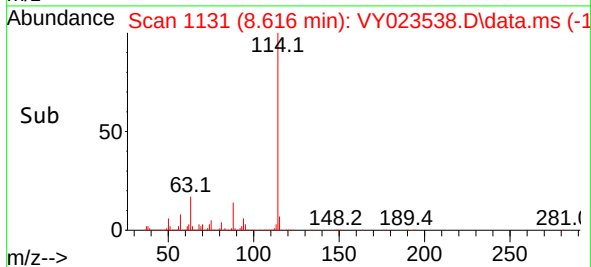
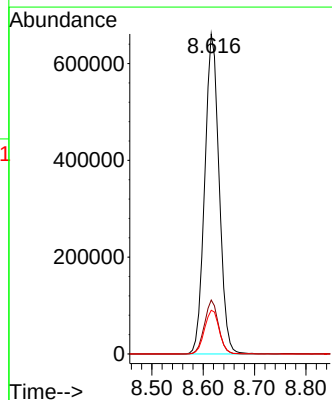
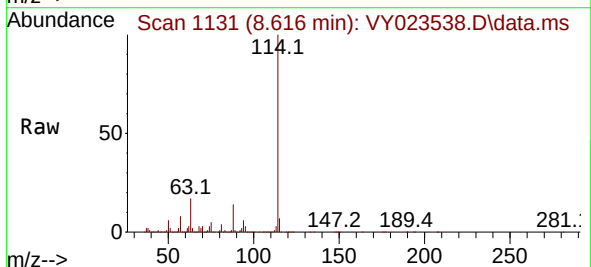
Tgt Ion: 114 Resp: 1281476

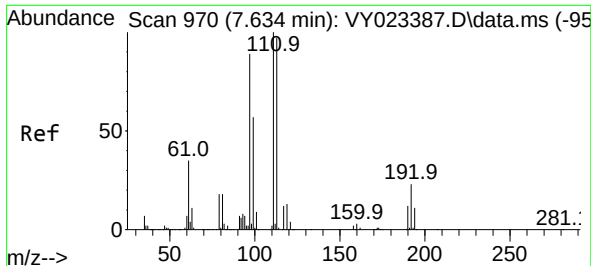
Ion Ratio Lower Upper

114 100

63 16.8 0.0 38.4

88 13.7 0.0 30.0

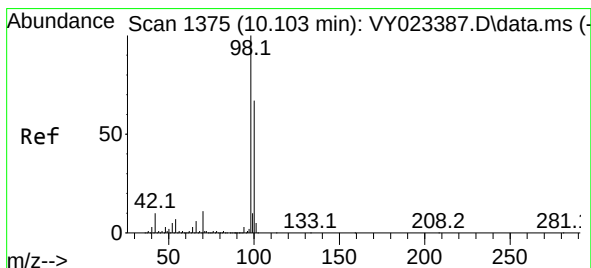
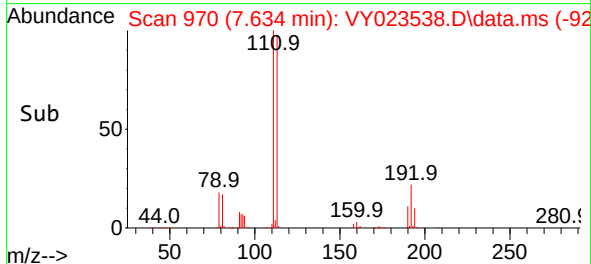
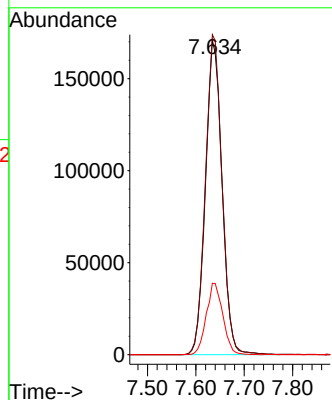
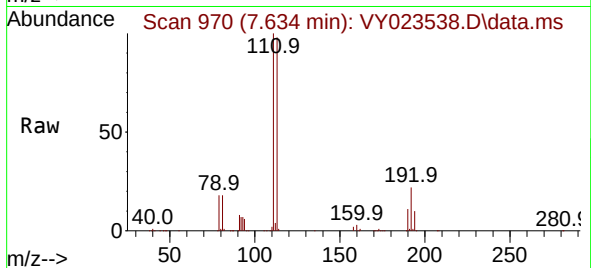




#35
Dibromofluoromethane
Concen: 51.692 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023538.D
Acq: 21 Oct 2025 16:34

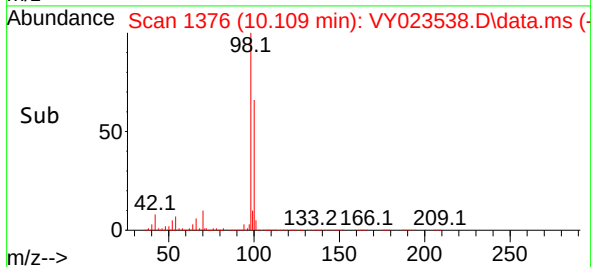
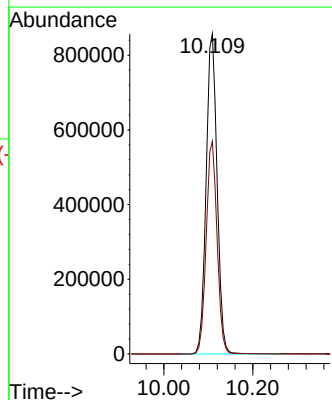
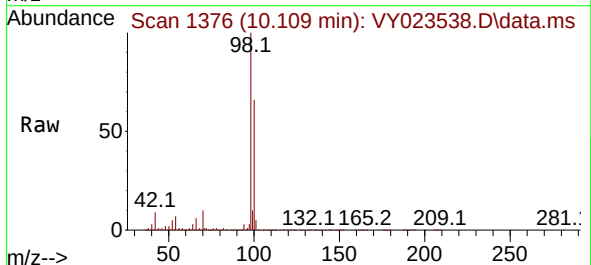
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-184-GW-980-982

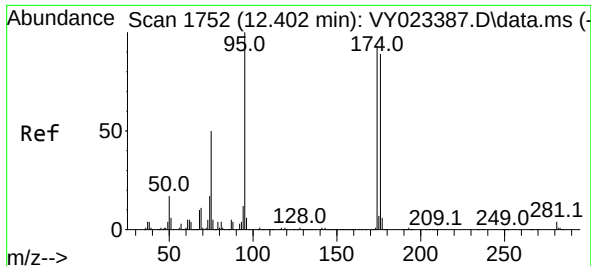
Tgt Ion:113 Resp: 407029
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 22.7 16.2 24.4



#50
Toluene-d8
Concen: 50.332 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023538.D
Acq: 21 Oct 2025 16:34

Tgt Ion: 98 Resp: 1475922
Ion Ratio Lower Upper
98 100
100 65.9 52.3 78.5

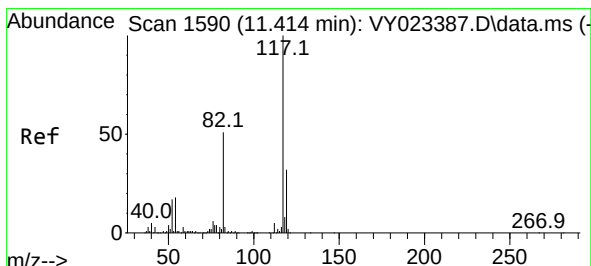
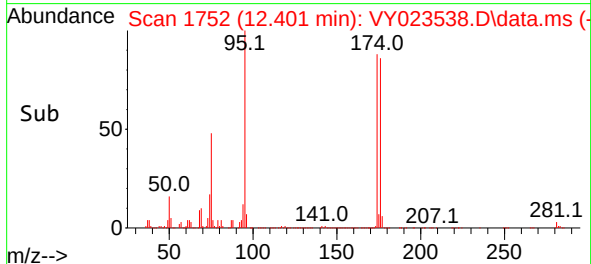
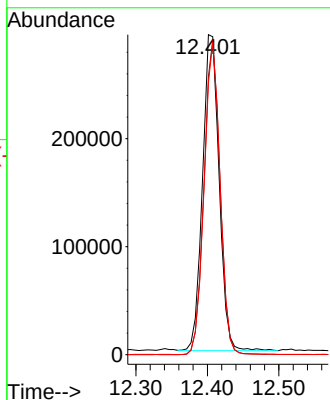
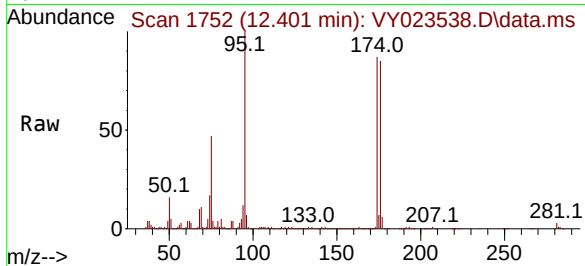




#62
4-Bromofluorobenzene
Concen: 48.765 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023538.D
Acq: 21 Oct 2025 16:34

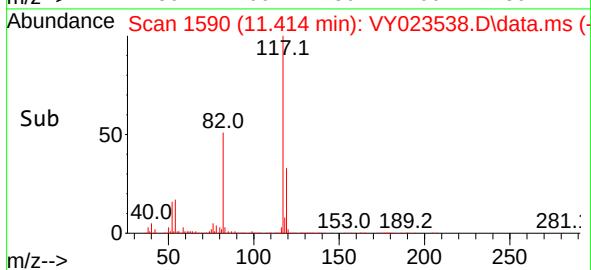
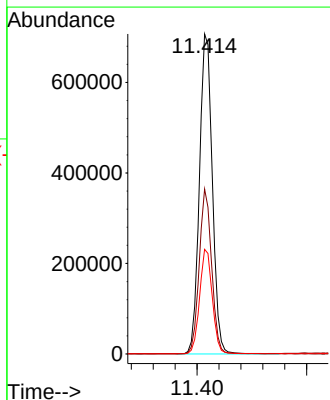
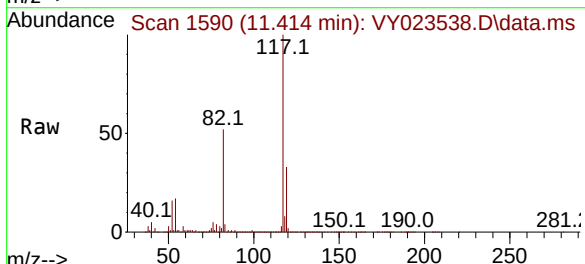
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-184-GW-980-982

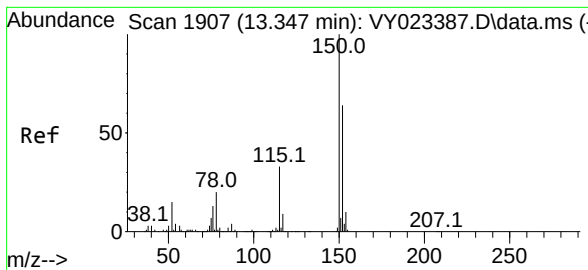
Tgt Ion: 95 Resp: 472105
Ion Ratio Lower Upper
95 100
174 95.8 0.0 171.6
176 94.5 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023538.D
Acq: 21 Oct 2025 16:34

Tgt Ion: 117 Resp: 1156414
Ion Ratio Lower Upper
117 100
82 51.5 43.4 65.0
119 32.6 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: VY023538.D
 Acq: 21 Oct 2025 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-184-GW-980-982

Tgt Ion:152 Resp: 503945
 Ion Ratio Lower Upper
 152 100
 115 54.0 28.2 84.6
 150 155.0 0.0 348.0

