

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023401.D
 Acq On : 08 Oct 2025 12:34
 Operator : SY/MD
 Sample : Q3304-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-100725

Quant Time: Oct 09 03:11:40 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)

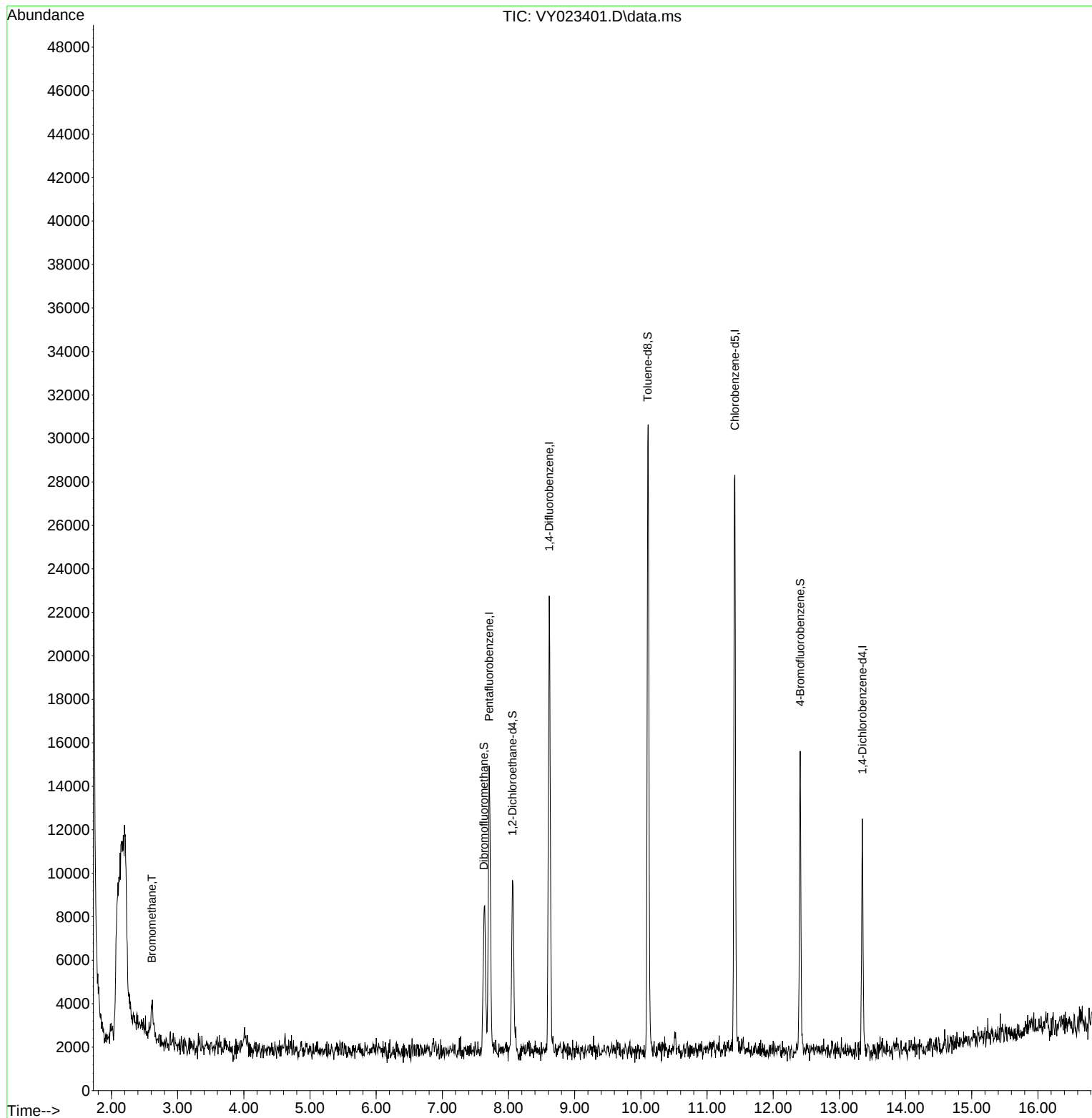
Internal Standards						
1) Pentafluorobenzene	7.707	168	11413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	19229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	15659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	2980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	6590	69.051	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	138.100%
35) Dibromofluoromethane	7.628	113	5205	44.053	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.100%
50) Toluene-d8	10.103	98	20774	47.212	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.420%
62) 4-Bromofluorobenzene	12.408	95	4242	29.201	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.400%
Target Compounds						
5) Bromomethane	2.611	94	1015	8.298	ug/l	Qvalue 89

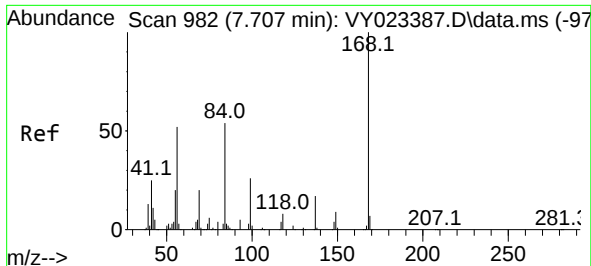
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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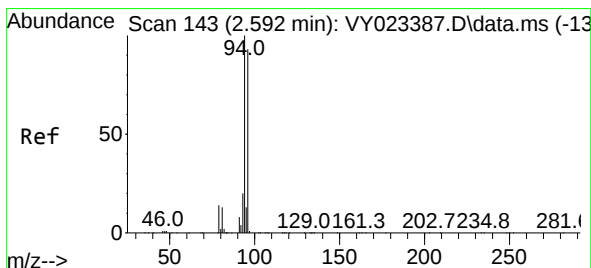
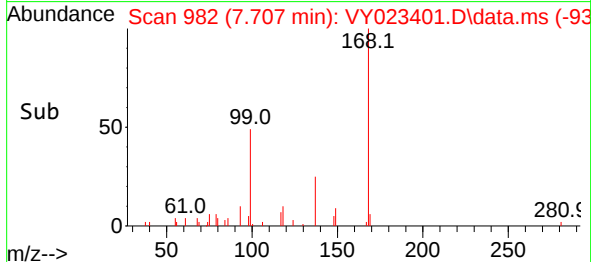
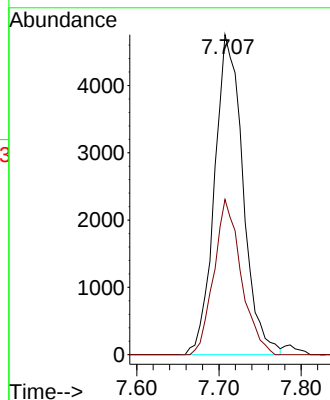
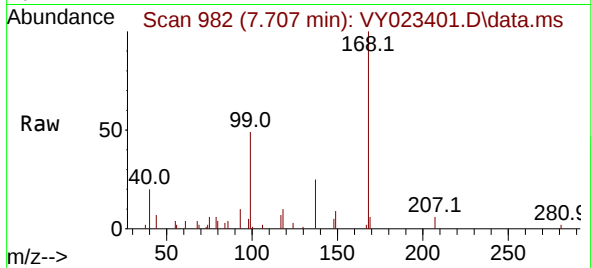




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023401.D
Acq: 08 Oct 2025 12:34

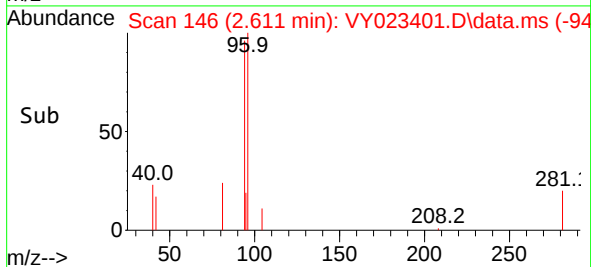
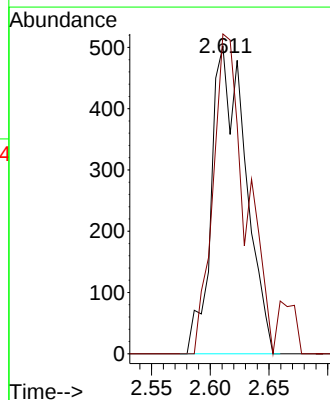
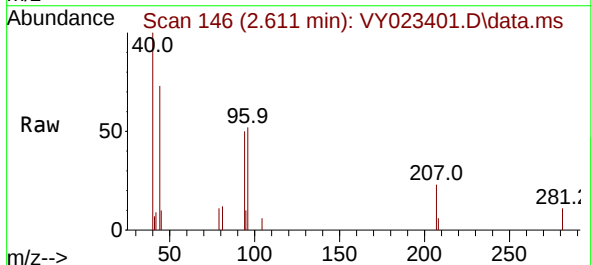
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-100725

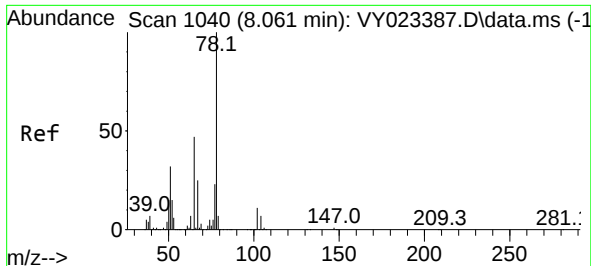
Tgt Ion:168 Resp: 11413
Ion Ratio Lower Upper
168 100
99 48.5 39.7 59.5



#5
Bromomethane
Concen: 8.298 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.018 min
Lab File: VY023401.D
Acq: 08 Oct 2025 12:34

Tgt Ion: 94 Resp: 1015
Ion Ratio Lower Upper
94 100
96 104.0 74.5 111.7





#33

1,2-Dichloroethane-d4

Concen: 69.051 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023401.D

Acq: 08 Oct 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

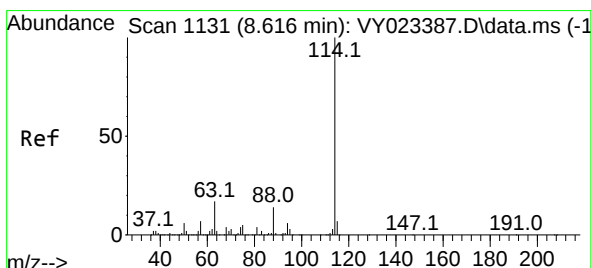
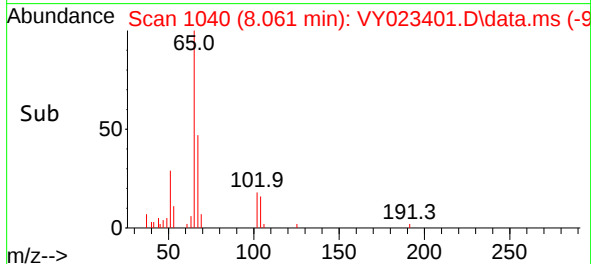
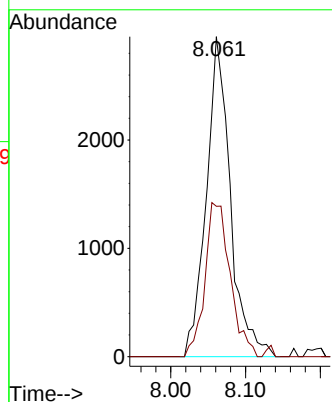
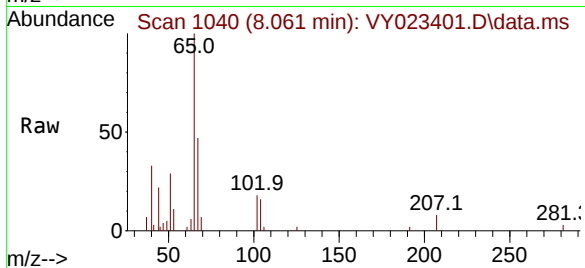
TR-05-100725

Tgt Ion: 65 Resp: 6590

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023401.D

Acq: 08 Oct 2025 12:34

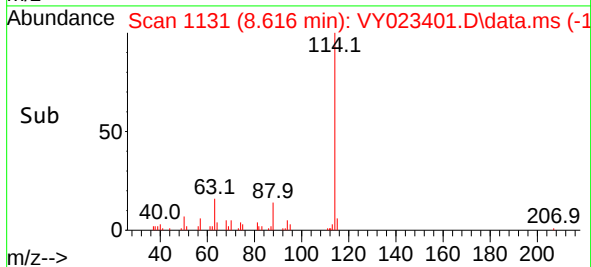
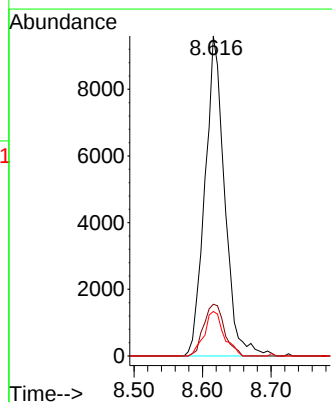
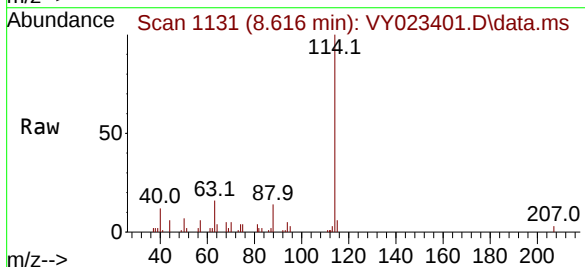
Tgt Ion: 114 Resp: 19229

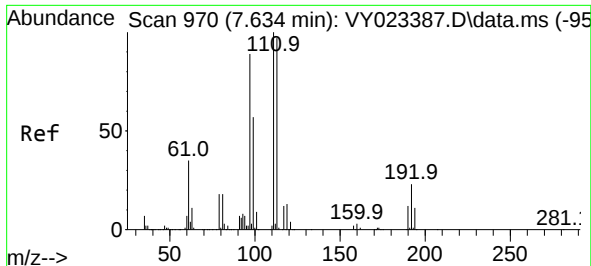
Ion Ratio Lower Upper

114 100

63 16.1 0.0 34.2

88 13.9 0.0 28.4

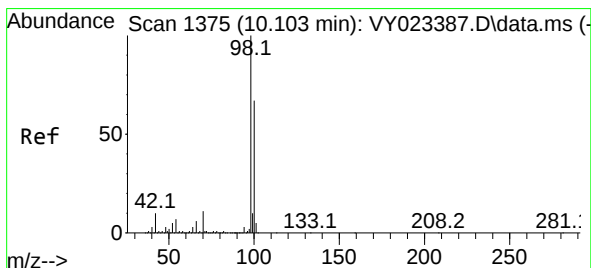
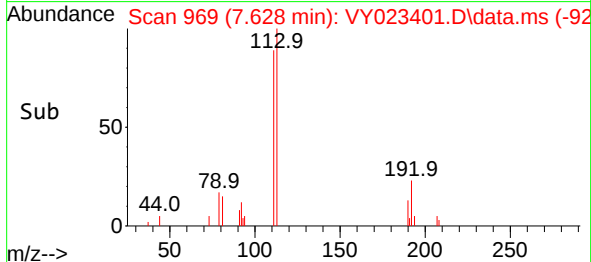
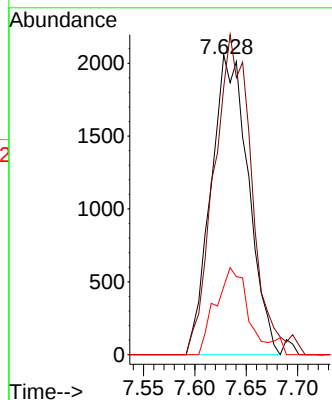
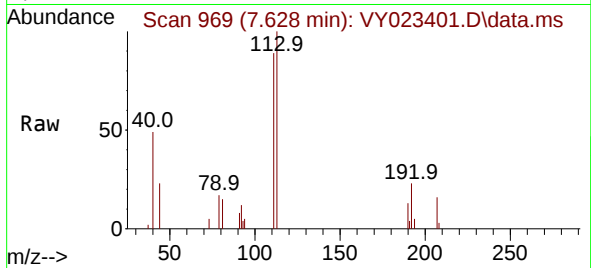




#35
Dibromofluoromethane
Concen: 44.053 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023401.D
Acq: 08 Oct 2025 12:34

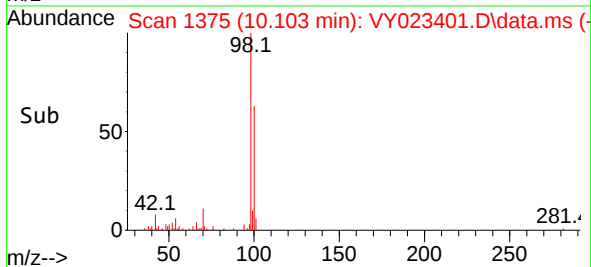
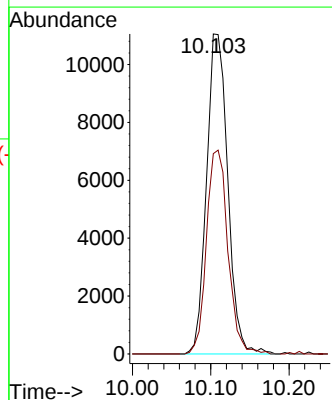
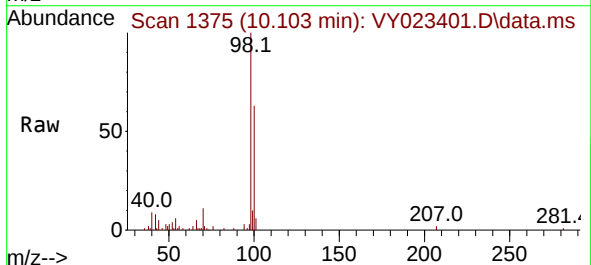
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-100725

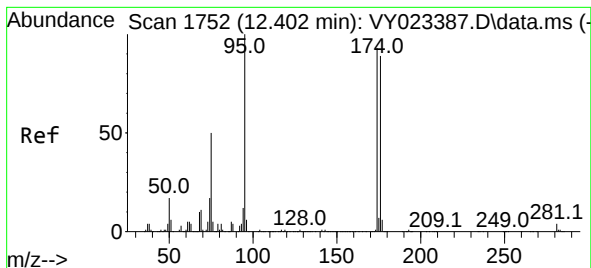
Tgt Ion:113 Resp: 5205
Ion Ratio Lower Upper
113 100
111 107.5 81.8 122.6
192 26.2 18.0 27.0



#50
Toluene-d8
Concen: 47.212 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023401.D
Acq: 08 Oct 2025 12:34

Tgt Ion: 98 Resp: 20774
Ion Ratio Lower Upper
98 100
100 64.4 53.0 79.4

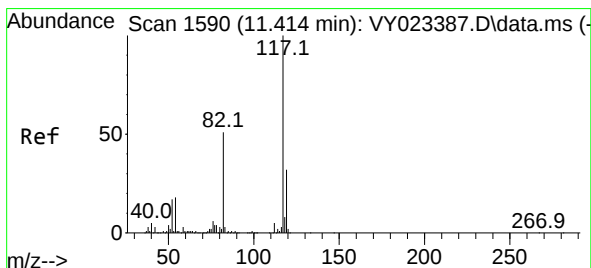
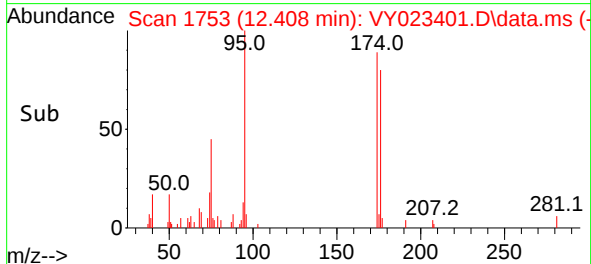
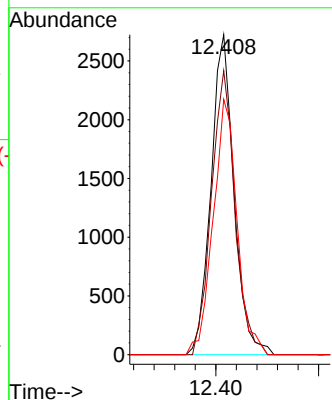
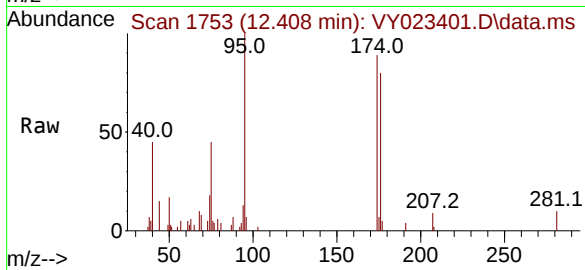




#62
4-Bromofluorobenzene
Concen: 29.201 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023401.D
Acq: 08 Oct 2025 12:34

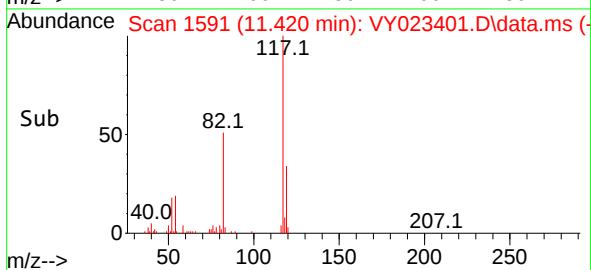
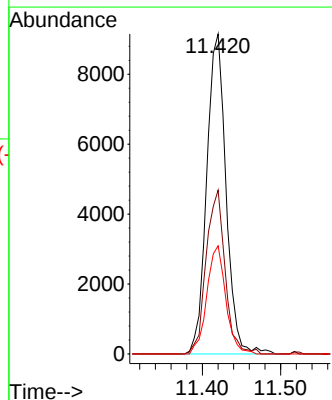
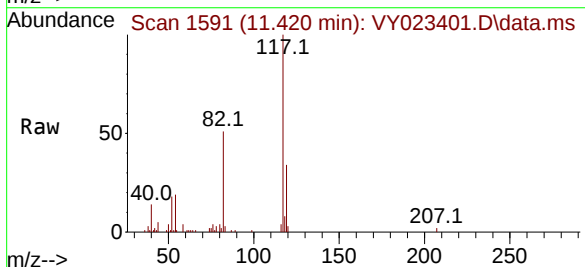
Instrument :
MSVOA_Y
ClientSampleId :
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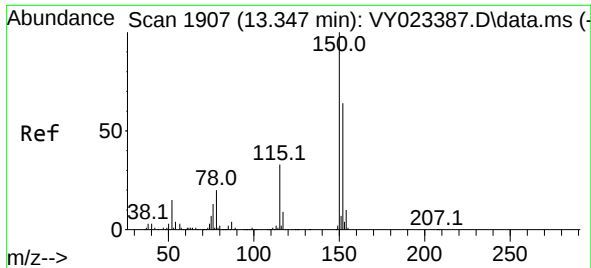
Tgt Ion: 95 Resp: 4242
Ion Ratio Lower Upper
95 100
174 90.4 0.0 192.8
176 82.5 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023401.D
Acq: 08 Oct 2025 12:34

Tgt Ion: 117 Resp: 15659
Ion Ratio Lower Upper
117 100
82 51.2 41.0 61.4
119 33.8 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY023401.D
 Acq: 08 Oct 2025 12:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-100725

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.1	81.2
150	152.7	0.0	347.4

