

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
 Data File : VY023724.D
 Acq On : 10 Nov 2025 18:52
 Operator : SY/MD
 Sample : Q3597-10
 Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Nov 11 02:11:34 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	7.719	168	8894	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.628	114	10546	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.420	117	7239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1234	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	4065	54.657	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.320%
35) Dibromofluoromethane	7.640	113	2825	43.596	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.200%
50) Toluene-d8	10.115	98	11688	48.433	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.860%
62) 4-Bromofluorobenzene	12.414	95	2056	25.806	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	51.620%

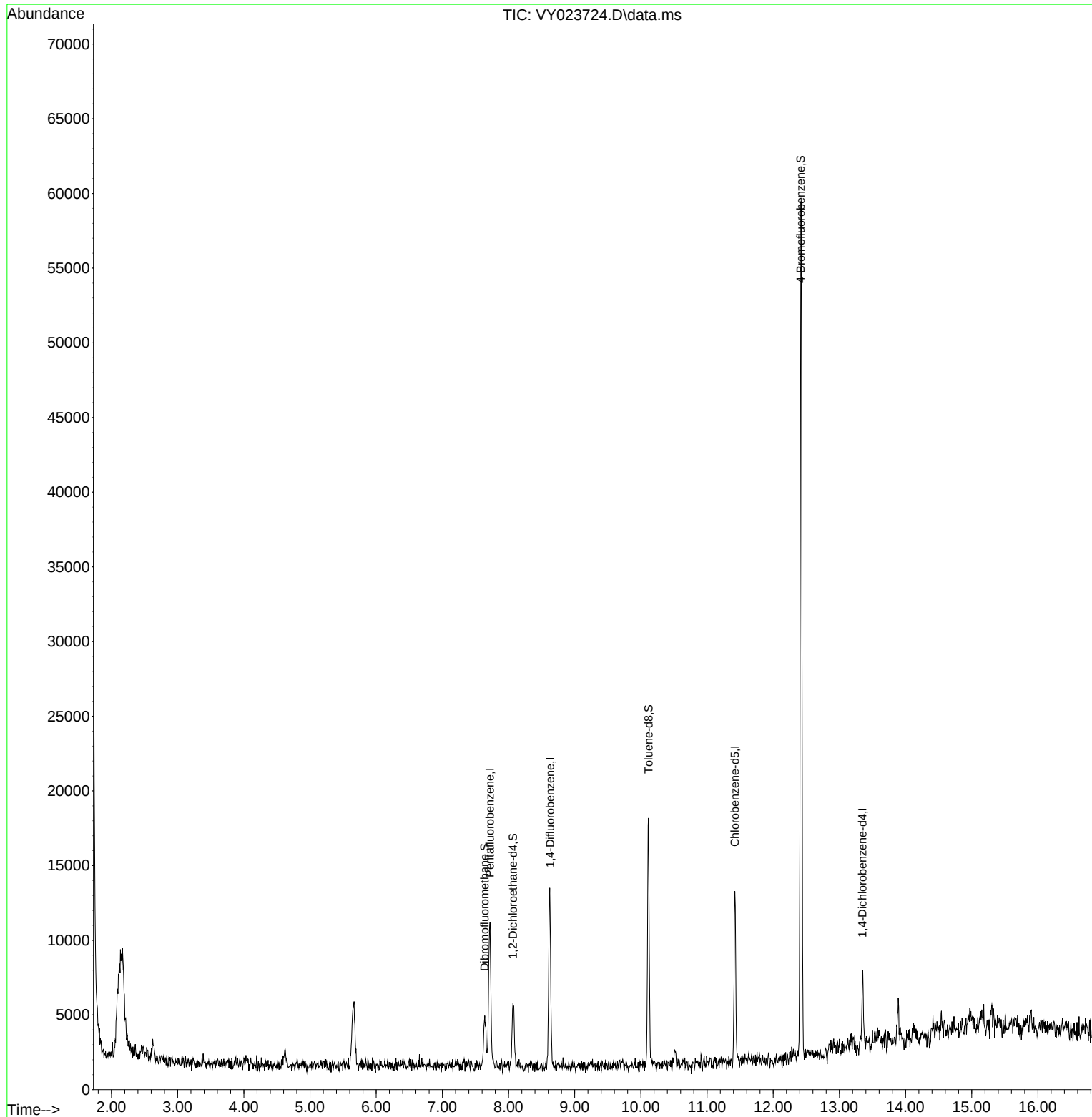
Target Compounds	Qvalue

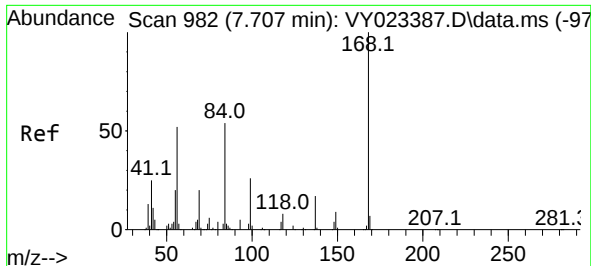
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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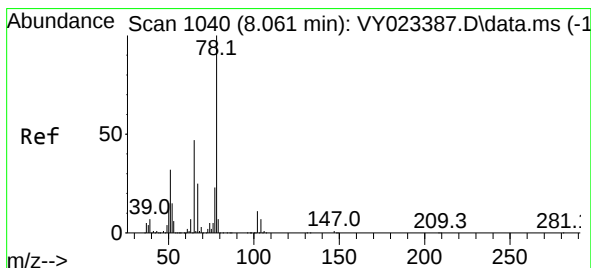
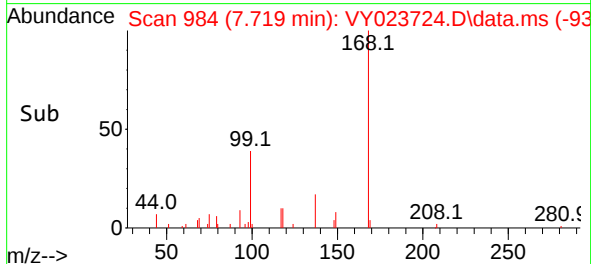
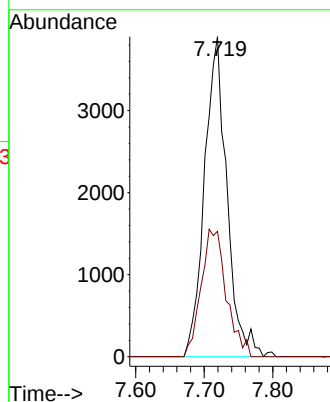
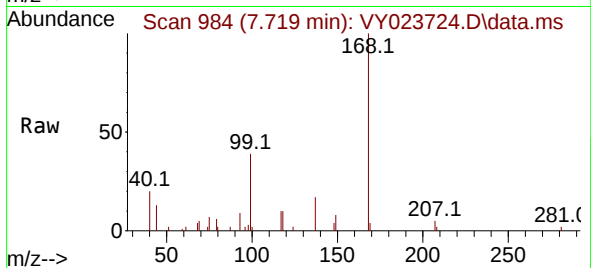




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 99
Delta R.T. 0.012 min
Lab File: VY023724.D
Acq: 10 Nov 2025 18:52

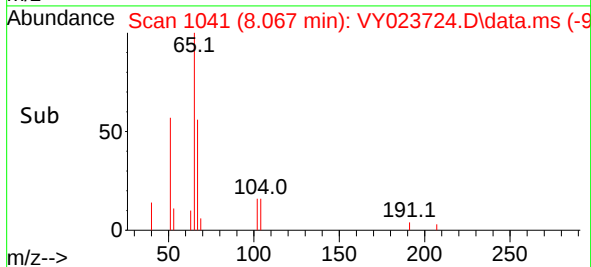
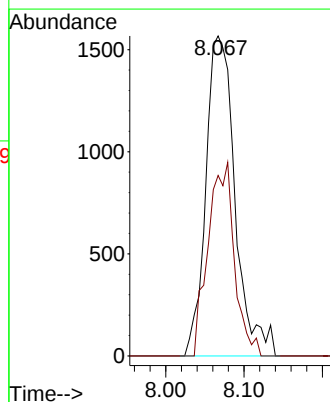
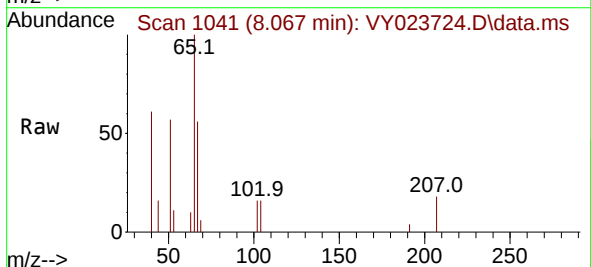
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

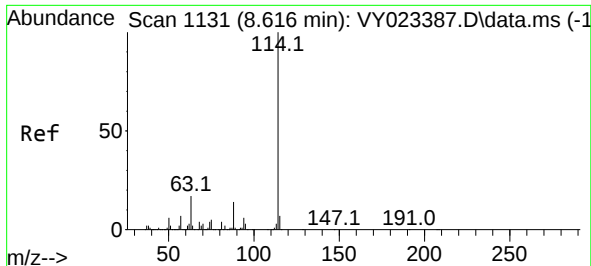
Tgt Ion:168 Resp: 8894
Ion Ratio Lower Upper
168 100
99 39.2 39.7 59.5#



#33
1,2-Dichloroethane-d4
Concen: 54.657 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023724.D
Acq: 10 Nov 2025 18:52

Tgt Ion: 65 Resp: 4065
Ion Ratio Lower Upper
65 100
67 54.3 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.012 min

Lab File: VY023724.D

Acq: 10 Nov 2025 18:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

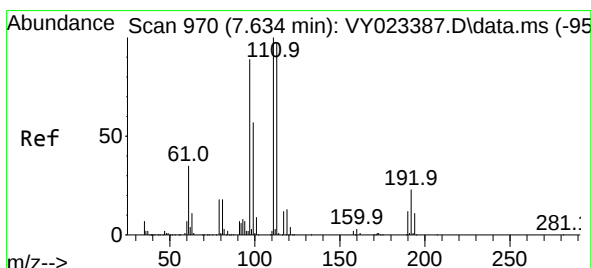
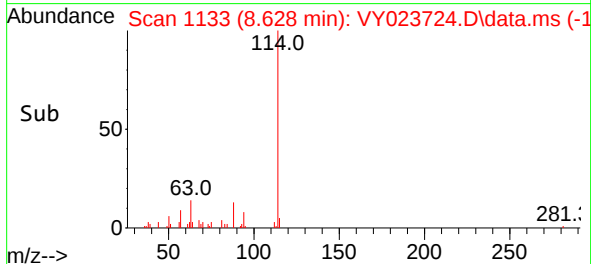
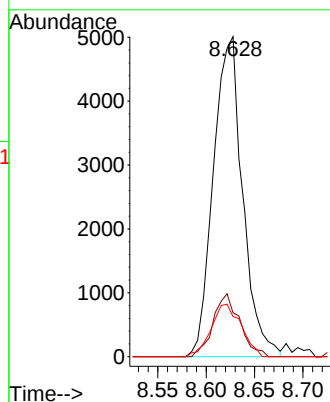
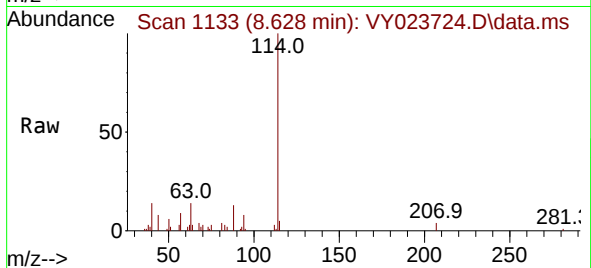
Tgt Ion:114 Resp: 10546

Ion Ratio Lower Upper

114 100

63 13.8 0.0 34.2

88 12.5 0.0 28.4



#35

Dibromofluoromethane

Concen: 43.596 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023724.D

Acq: 10 Nov 2025 18:52

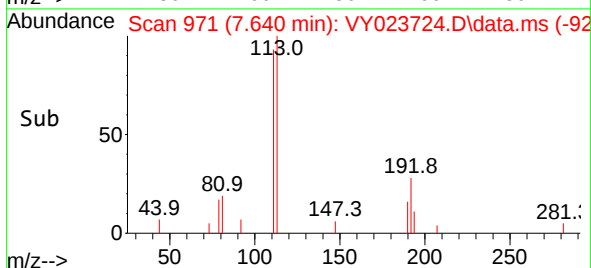
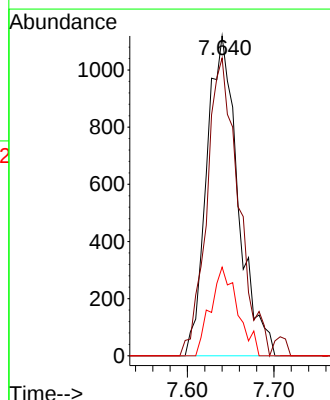
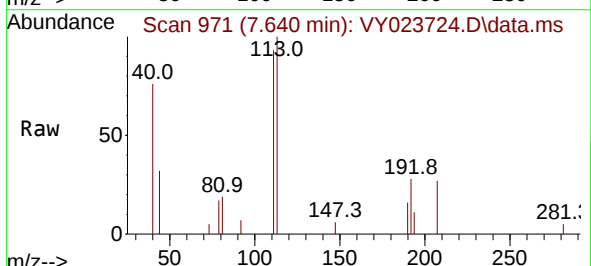
Tgt Ion:113 Resp: 2825

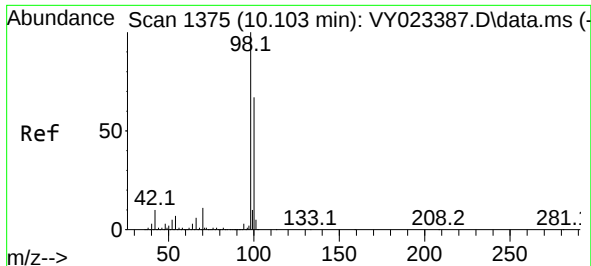
Ion Ratio Lower Upper

113 100

111 93.4 81.8 122.6

192 23.8 18.0 27.0

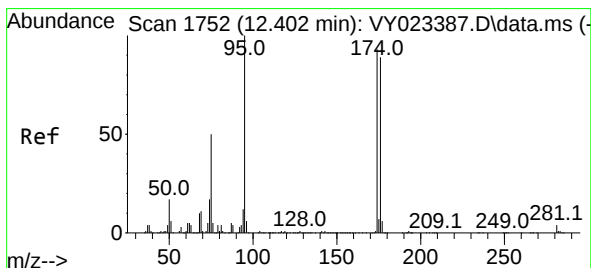
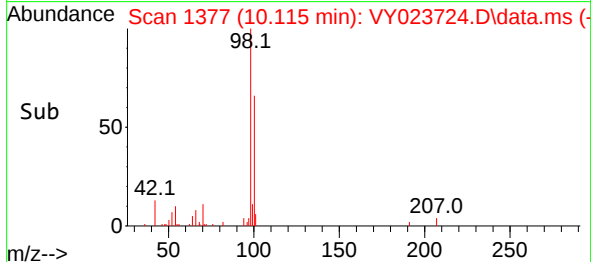
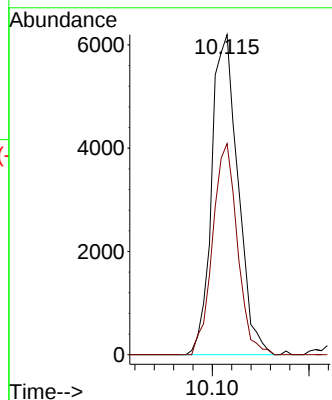
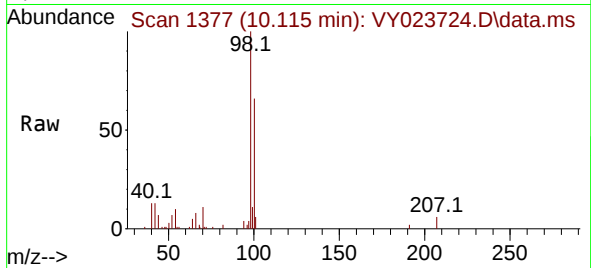




#50
Toluene-d8
Concen: 48.433 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY023724.D
Acq: 10 Nov 2025 18:52

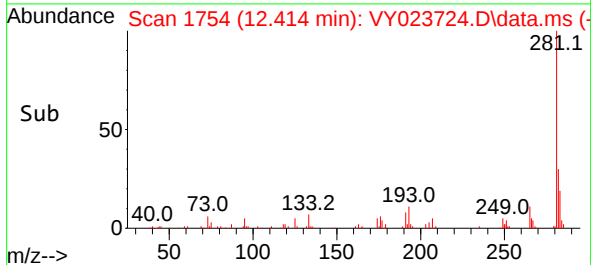
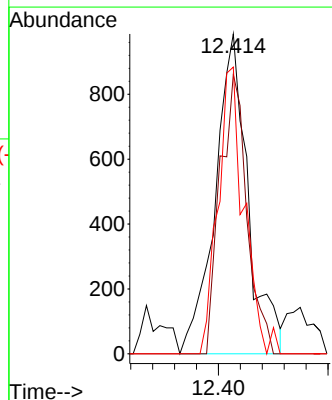
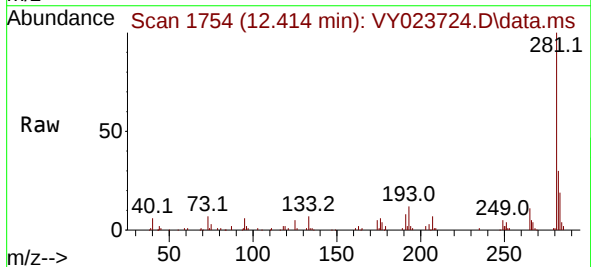
Instrument :
MSVOA_Y
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TP-4

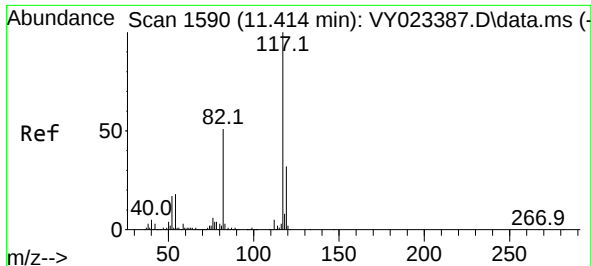
Tgt Ion: 98 Resp: 11688
Ion Ratio Lower Upper
98 100
100 62.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 25.806 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.012 min
Lab File: VY023724.D
Acq: 10 Nov 2025 18:52

Tgt Ion: 95 Resp: 2056
Ion Ratio Lower Upper
95 100
174 71.0 0.0 192.8
176 71.2 0.0 187.6

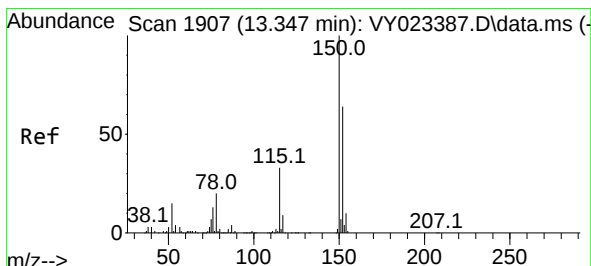
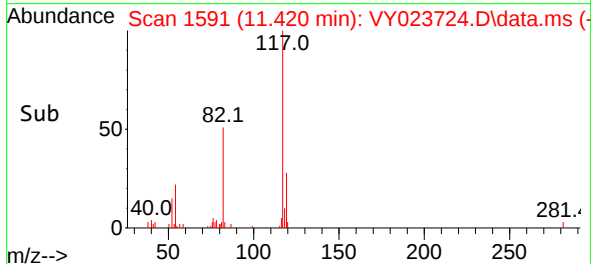
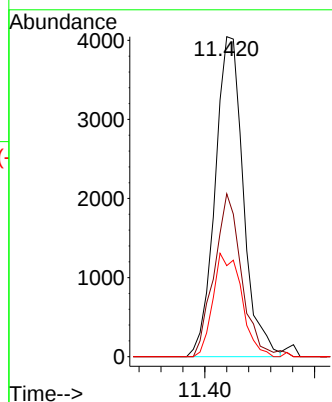
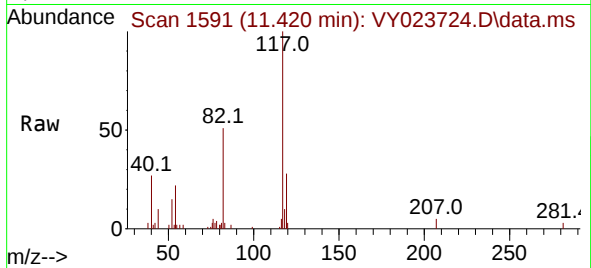




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VY023724.D
Acq: 10 Nov 2025 18:52

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Tgt Ion:117	Resp:	7239
Ion	Ratio	Lower Upper
117	100	
82	50.9	41.0 61.4
119	28.4	25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023724.D
Acq: 10 Nov 2025 18:52

Tgt Ion:152	Resp:	1234
Ion	Ratio	Lower Upper
152	100	
115	79.3	27.1 81.2
150	157.9	0.0 347.4

