

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023590.D
 Acq On : 27 Oct 2025 11:43
 Operator : SY/MD
 Sample : Q3465-01
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-10242025

Quant Time: Oct 28 04:38:22 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)

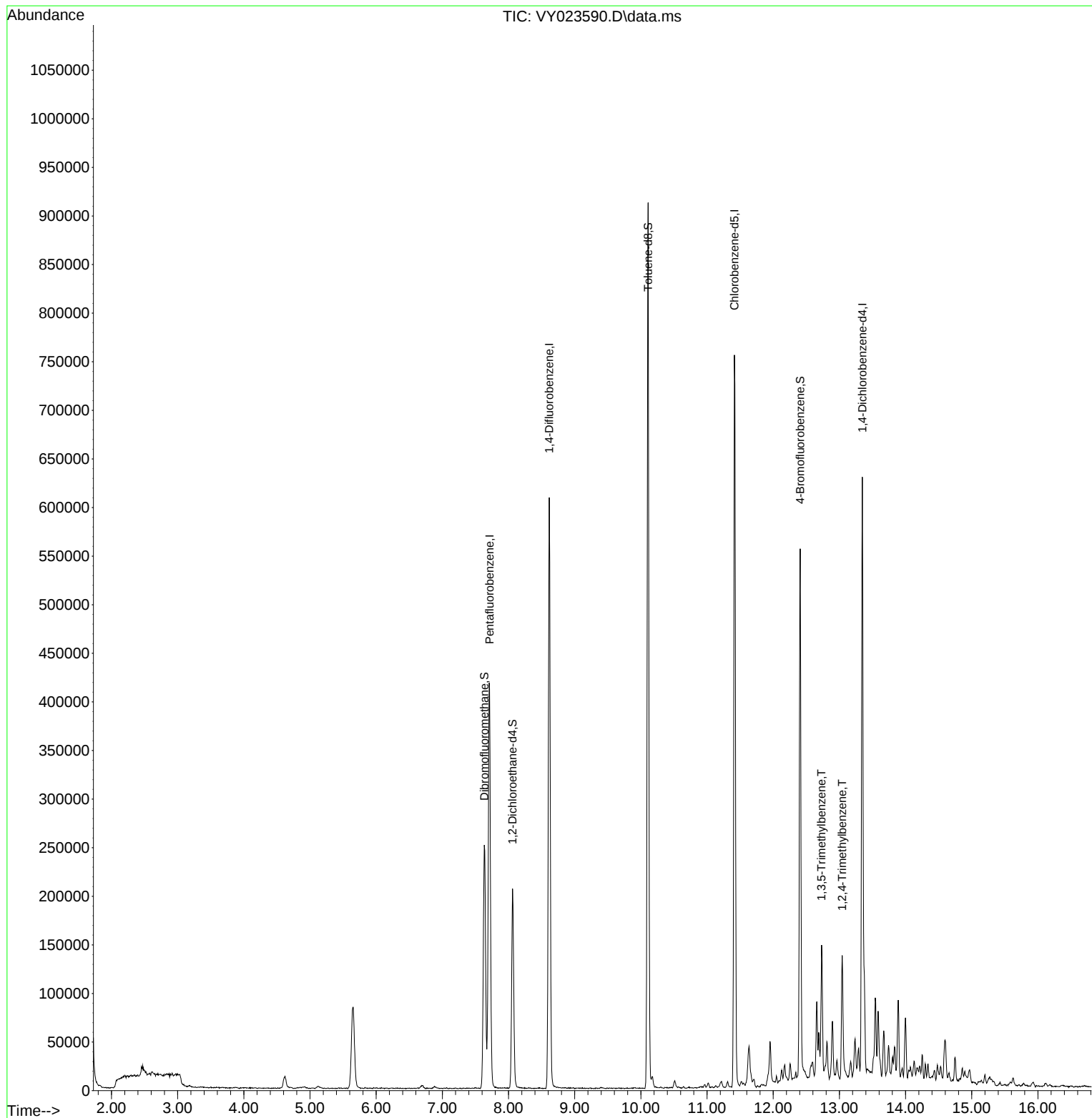
Internal Standards						
1) Pentafluorobenzene	7.713	168	353639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	554641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	442894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	167558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153913	52.047	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.100%
35) Dibromofluoromethane	7.634	113	179583	52.694	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.380%
50) Toluene-d8	10.109	98	613249	48.319	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.640%
62) 4-Bromofluorobenzene	12.408	95	163206	38.950	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.900%
Target Compounds						
						Qvalue
80) 1,3,5-Trimethylbenzene	12.731	105	43948	4.925	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	67621	7.594	ug/l	98

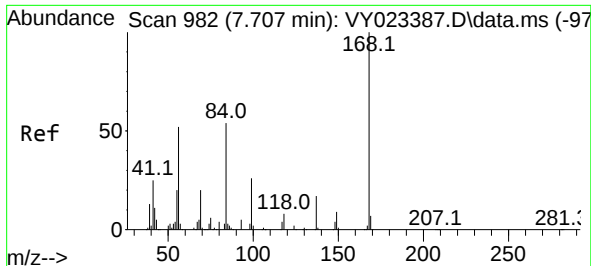
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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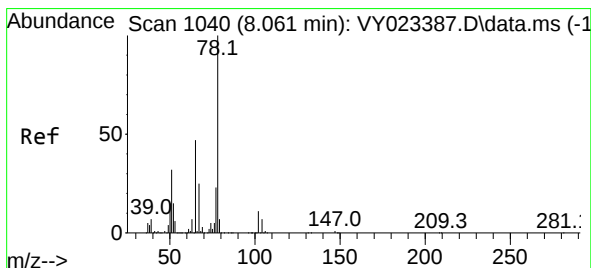
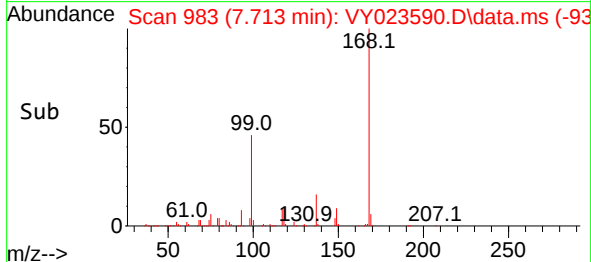
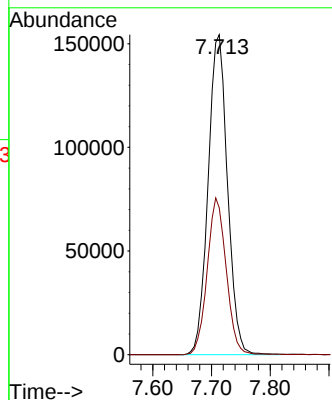
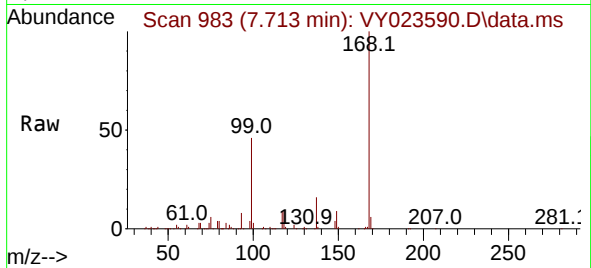




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023590.D
Acq: 27 Oct 2025 11:43

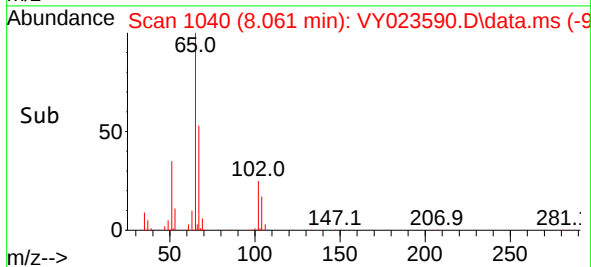
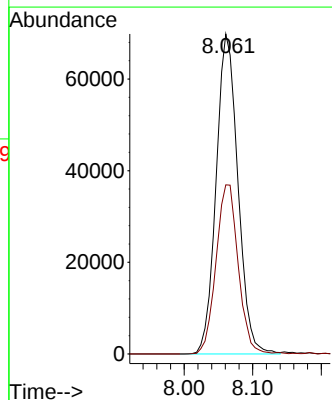
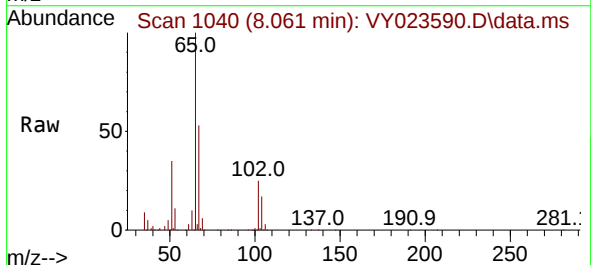
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-10242025

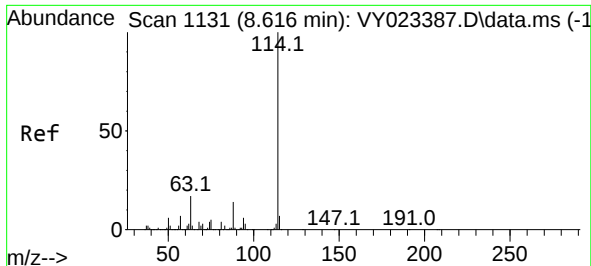
Tgt Ion:168 Resp: 353639
Ion Ratio Lower Upper
168 100
99 45.9 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 52.047 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023590.D
Acq: 27 Oct 2025 11:43

Tgt Ion: 65 Resp: 153913
Ion Ratio Lower Upper
65 100
67 54.0 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: VY023590.D

Acq: 27 Oct 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-10242025

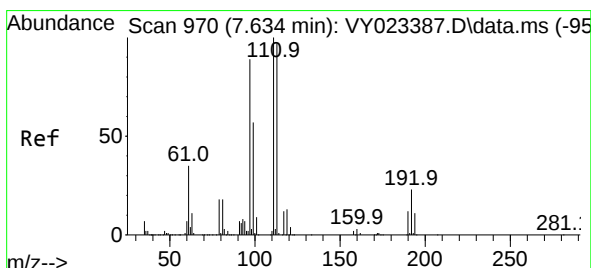
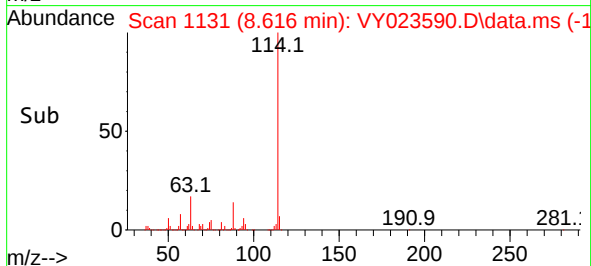
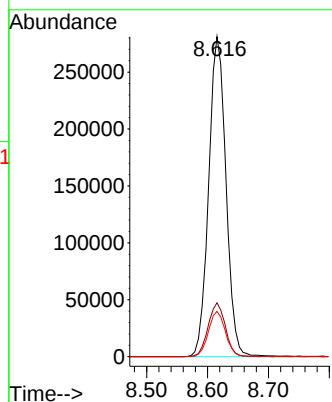
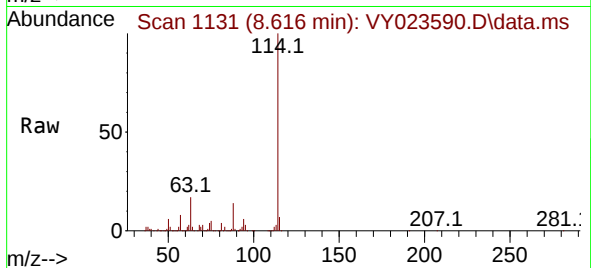
Tgt Ion:114 Resp: 554641

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.2

88 14.2 0.0 28.4



#35

Dibromofluoromethane

Concen: 52.694 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023590.D

Acq: 27 Oct 2025 11:43

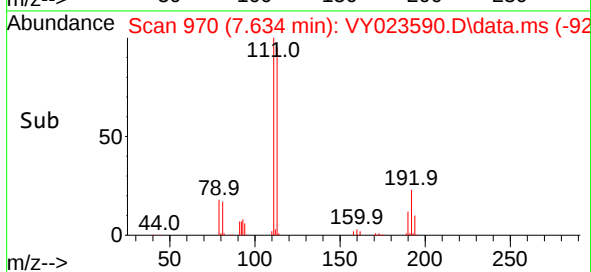
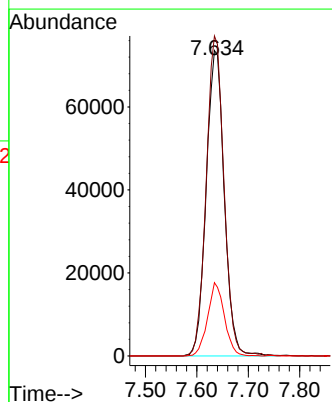
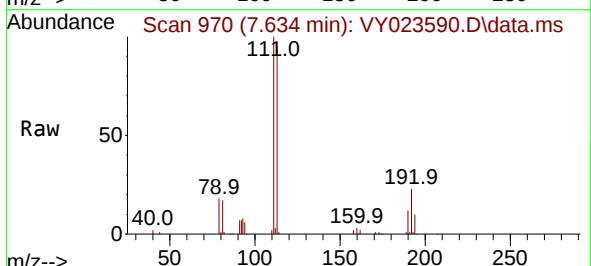
Tgt Ion:113 Resp: 179583

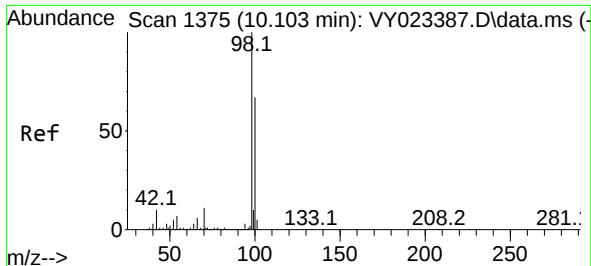
Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.6

192 22.4 18.0 27.0

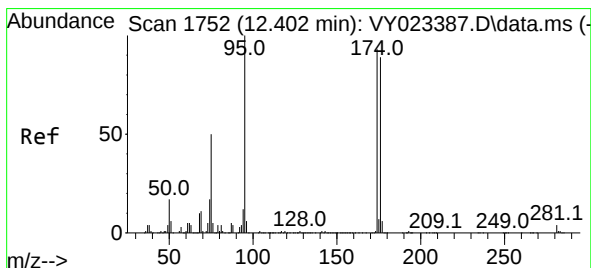
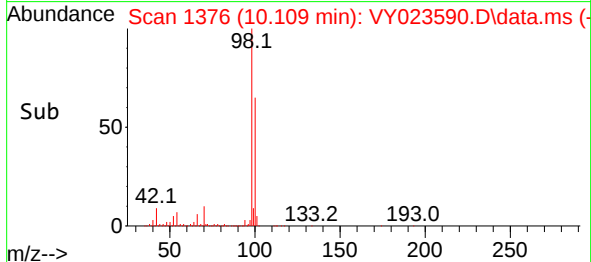
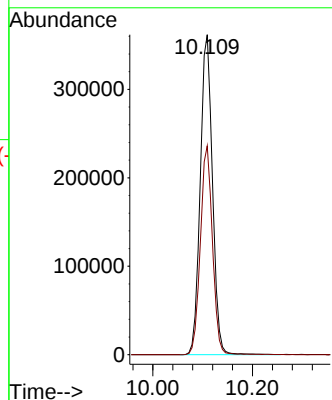
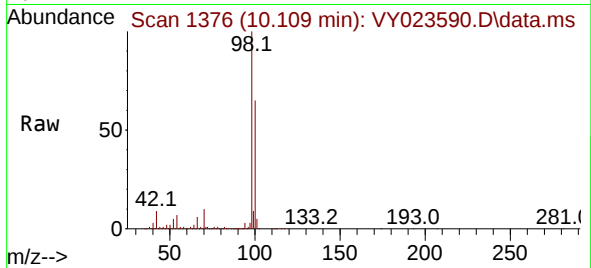




#50
Toluene-d8
Concen: 48.319 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023590.D
Acq: 27 Oct 2025 11:43

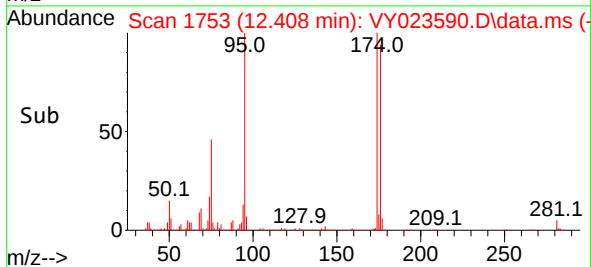
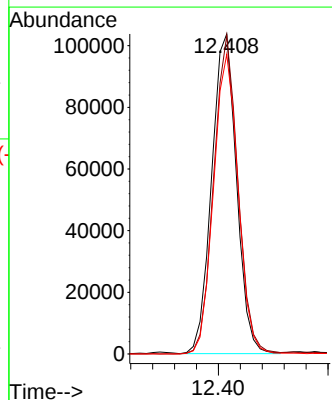
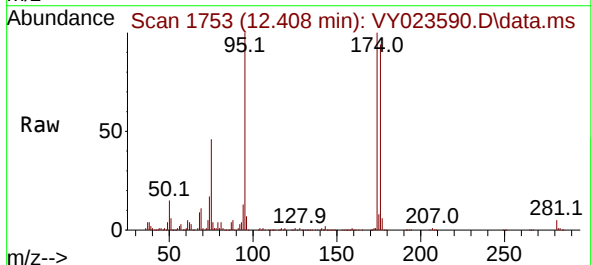
Instrument :
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SU-03-10242025

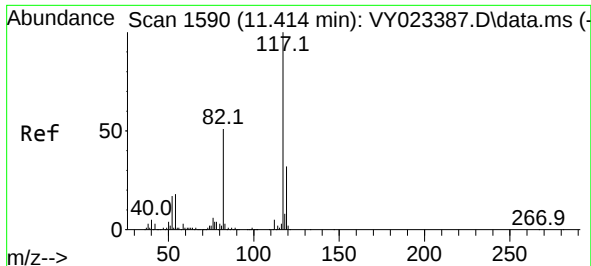
Tgt Ion: 98 Resp: 613249
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 38.950 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023590.D
Acq: 27 Oct 2025 11:43

Tgt Ion: 95 Resp: 163206
Ion Ratio Lower Upper
95 100
174 97.2 0.0 192.8
176 93.0 0.0 187.6

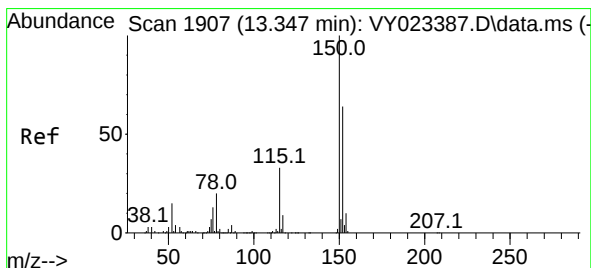
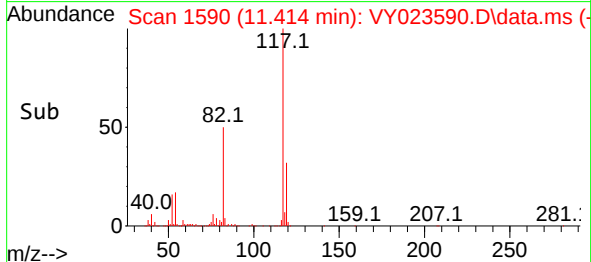
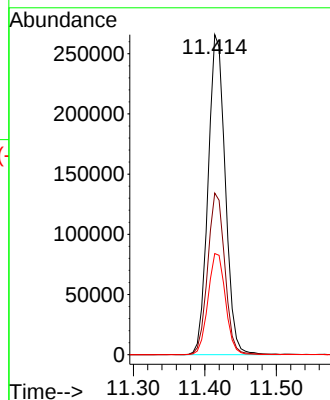
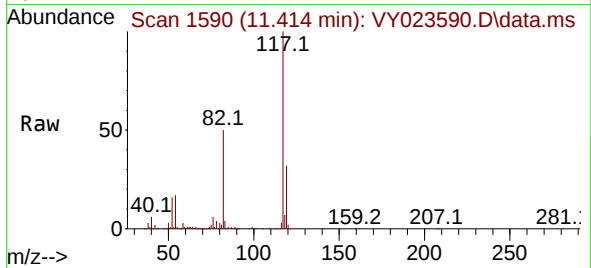




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023590.D
Acq: 27 Oct 2025 11:43

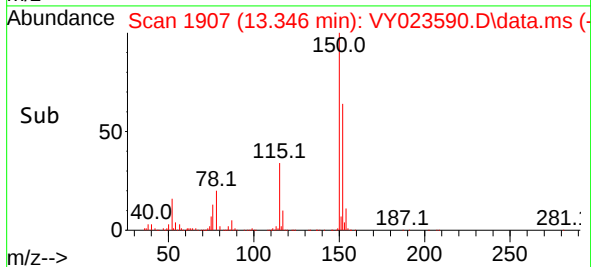
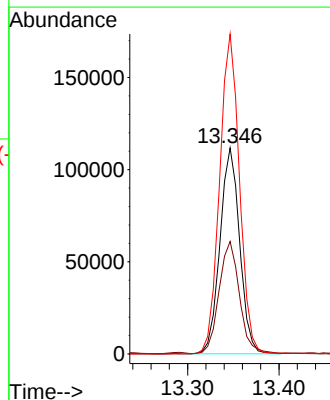
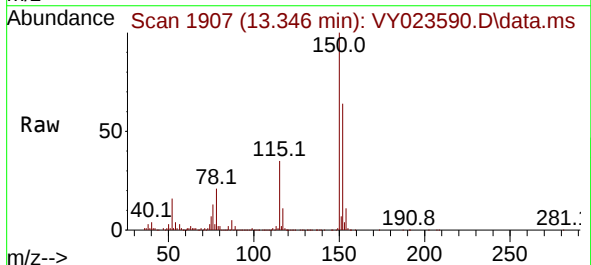
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-10242025

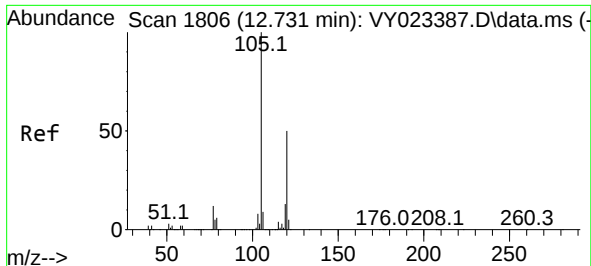
Tgt Ion:117 Resp: 442894
Ion Ratio Lower Upper
117 100
82 50.4 41.0 61.4
119 31.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023590.D
Acq: 27 Oct 2025 11:43

Tgt Ion:152 Resp: 167558
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.2
150 156.9 0.0 347.4

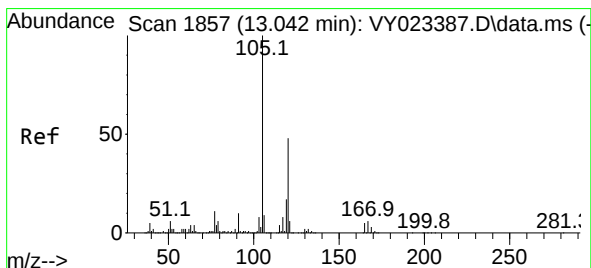
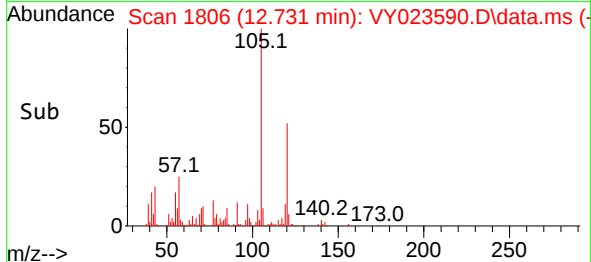
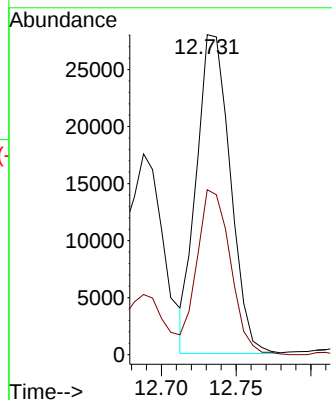
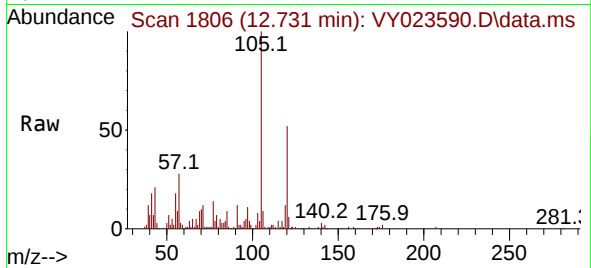




#80
1,3,5-Trimethylbenzene
Concen: 4.925 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VY023590.D
Acq: 27 Oct 2025 11:43

Instrument :
MSVOA_Y
ClientSampleId :
SU-03-10242025

Tgt Ion:105 Resp: 43948
Ion Ratio Lower Upper
105 100
120 51.2 25.4 76.4



#84
1,2,4-Trimethylbenzene
Concen: 7.594 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023590.D
Acq: 27 Oct 2025 11:43

Tgt Ion:105 Resp: 67621
Ion Ratio Lower Upper
105 100
120 49.1 23.8 71.2

