

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023743.D
 Acq On : 11 Nov 2025 16:24
 Operator : SY/MD
 Sample : Q3588-03
 Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-01-11072025

Quant Time: Nov 12 03:38:56 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)

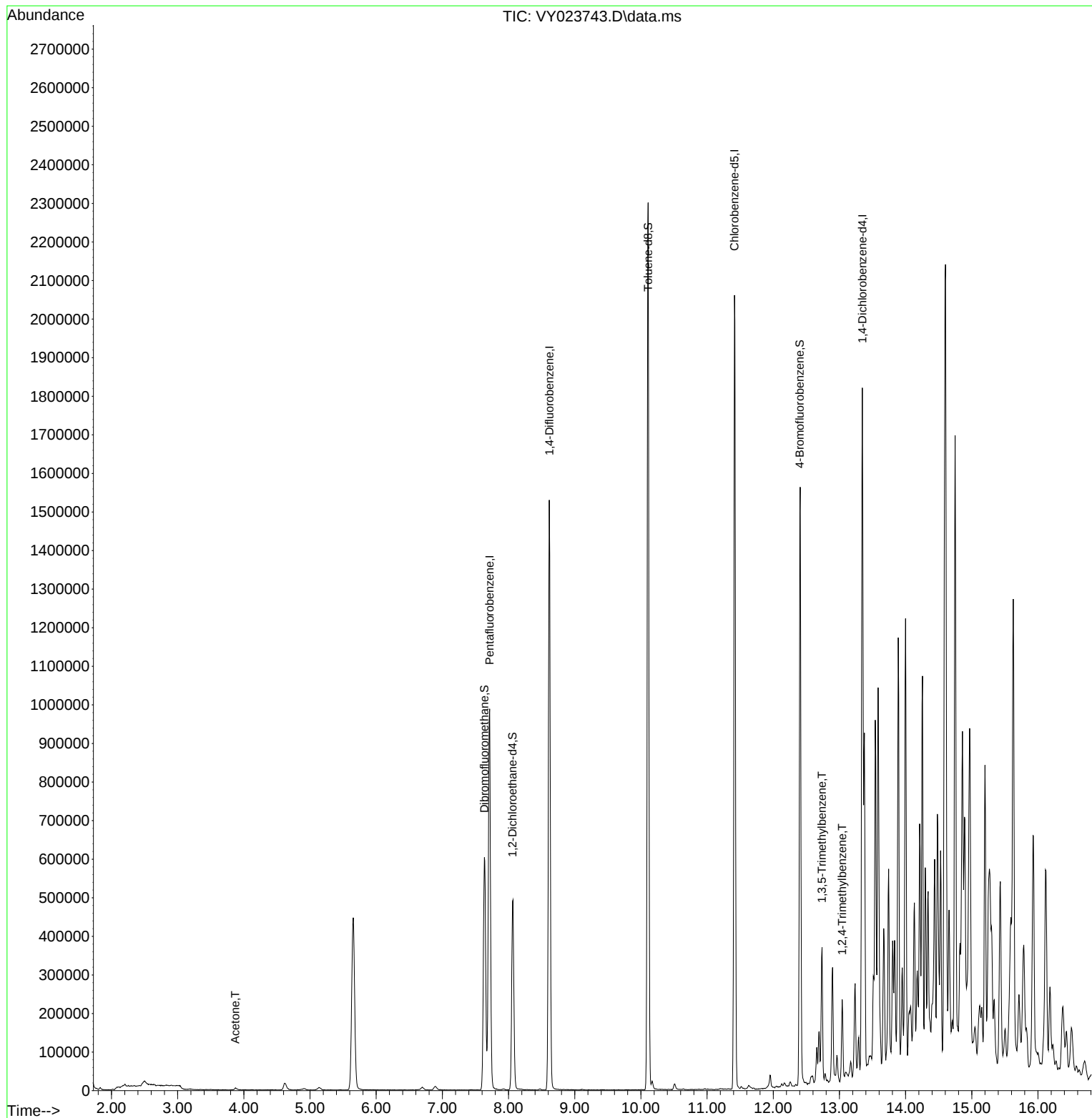
Internal Standards						
1) Pentafluorobenzene	7.713	168	833675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1396654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1198486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	493023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	384357	55.134	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	110.260%	
35) Dibromofluoromethane	7.634	113	440897	51.376	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	102.760%	
50) Toluene-d8	10.109	98	1564638	48.957	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	97.920%	
62) 4-Bromofluorobenzene	12.402	95	474680	44.988	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	89.980%	
Target Compounds						Qvalue
16) Acetone	3.873	43	7105	4.281	ug/l	90
80) 1,3,5-Trimethylbenzene	12.737	105	155252	5.913	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	108401	4.137	ug/l	99

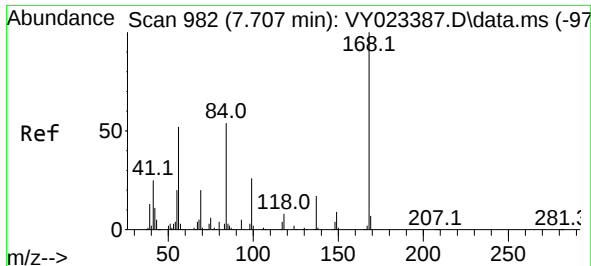
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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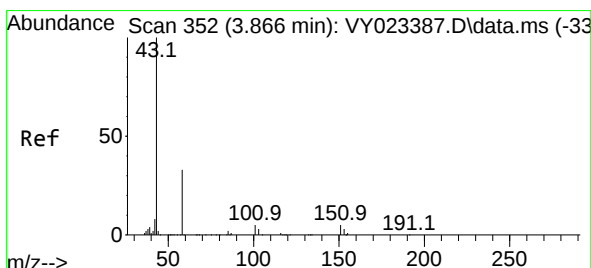
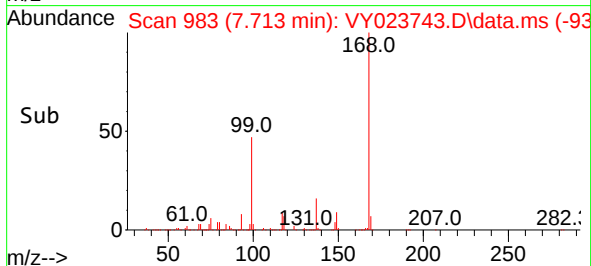
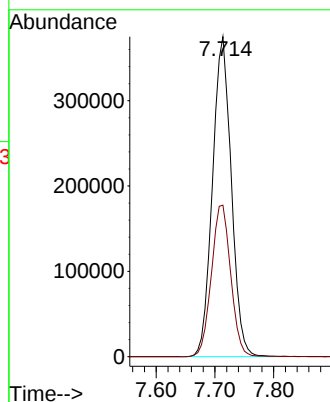
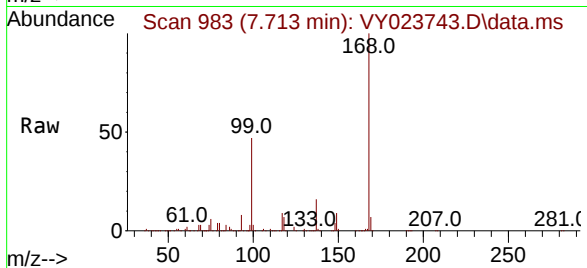




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023743.D
Acq: 11 Nov 2025 16:24

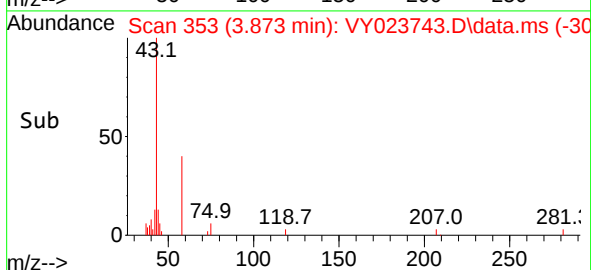
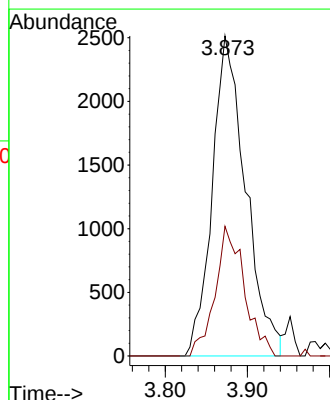
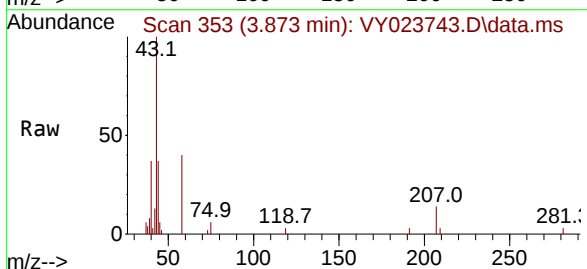
Instrument :
MSVOA_Y
ClientSampleId :
TR-01-11072025

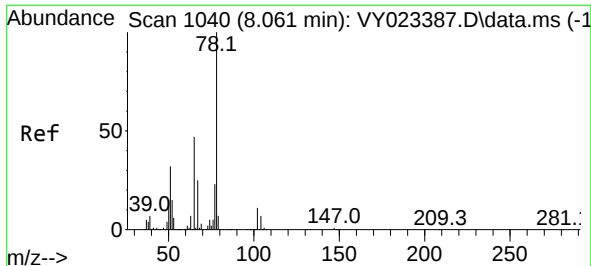
Tgt Ion:168 Resp: 833675
Ion Ratio Lower Upper
168 100
99 47.4 39.7 59.5



#16
Acetone
Concen: 4.281 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023743.D
Acq: 11 Nov 2025 16:24

Tgt Ion: 43 Resp: 7105
Ion Ratio Lower Upper
43 100
58 40.5 27.7 41.5





#33

1,2-Dichloroethane-d4

Concen: 55.134 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023743.D

Acq: 11 Nov 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

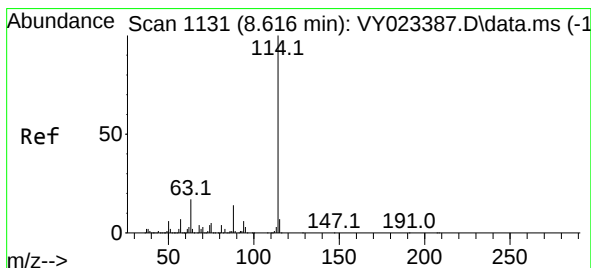
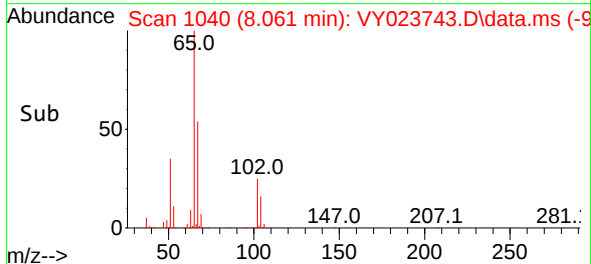
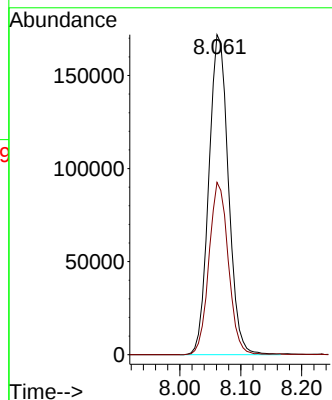
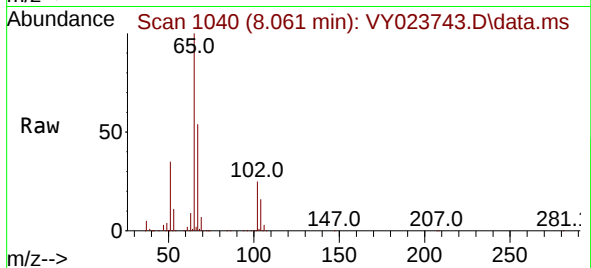
TR-01-11072025

Tgt Ion: 65 Resp: 384357

Ion Ratio Lower Upper

65 100

67 53.2 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: VY023743.D

Acq: 11 Nov 2025 16:24

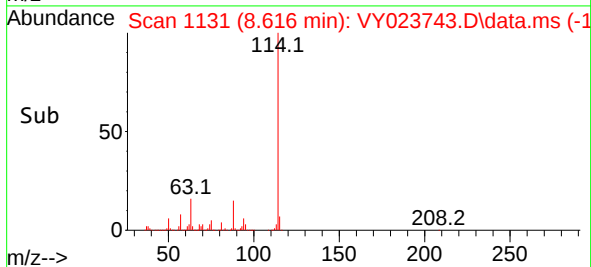
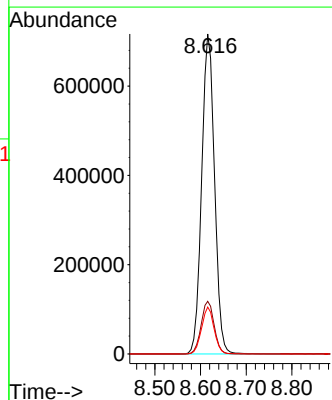
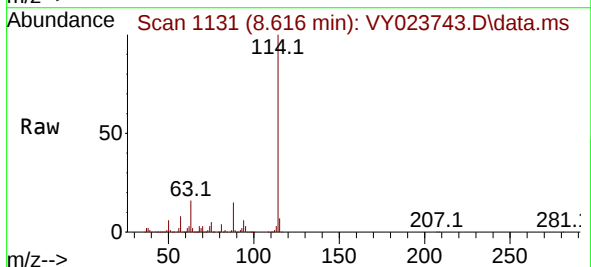
Tgt Ion: 114 Resp: 1396654

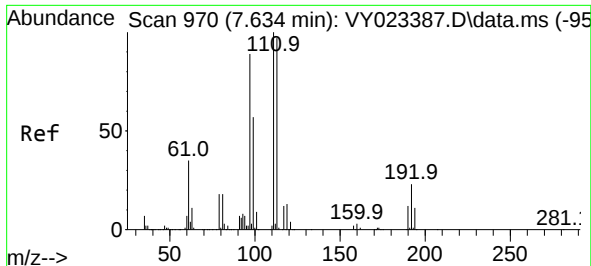
Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.2

88 14.6 0.0 28.4

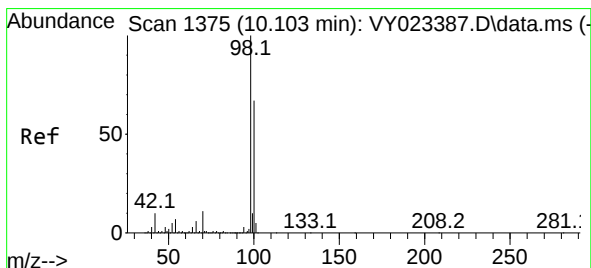
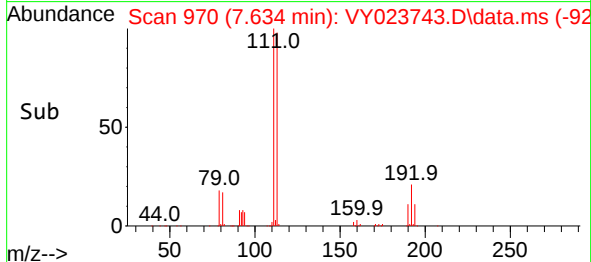
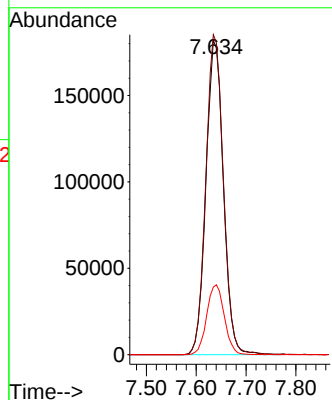
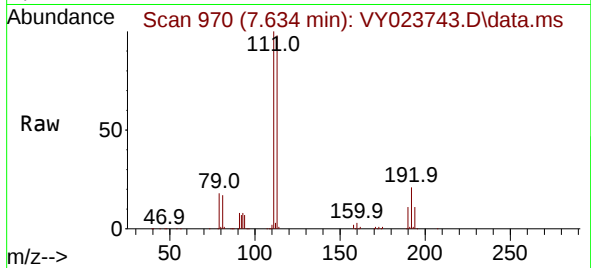




#35
Dibromofluoromethane
Concen: 51.376 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023743.D
Acq: 11 Nov 2025 16:24

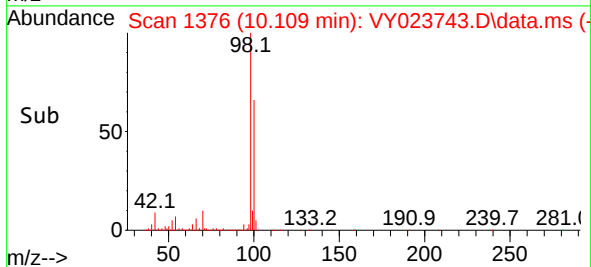
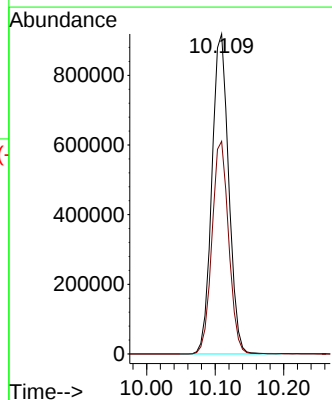
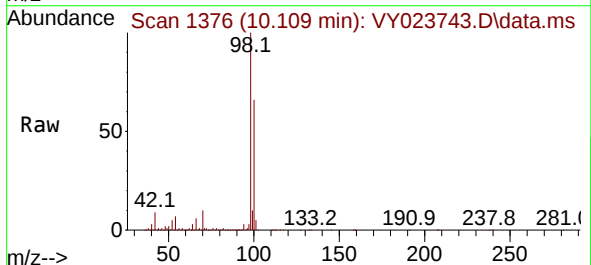
Instrument :
MSVOA_Y
ClientSampleId :
TR-01-11072025

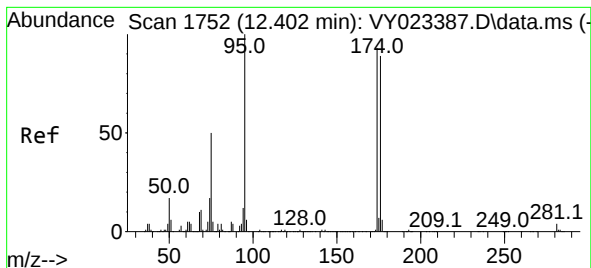
Tgt Ion:113 Resp: 440897
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 22.5 18.0 27.0



#50
Toluene-d8
Concen: 48.957 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023743.D
Acq: 11 Nov 2025 16:24

Tgt Ion: 98 Resp: 1564638
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4

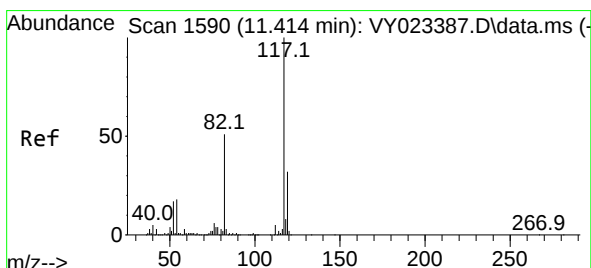
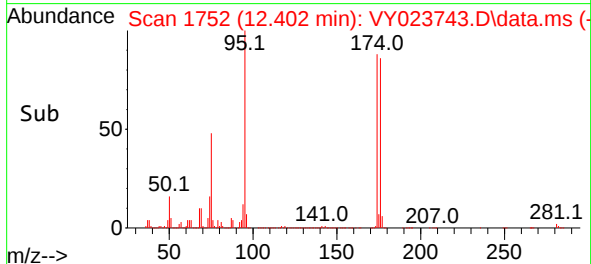
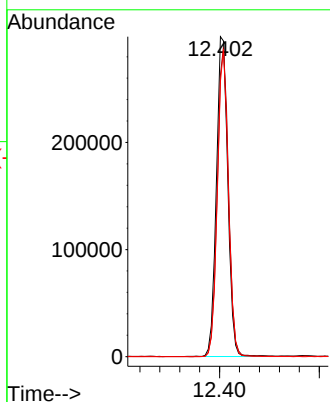
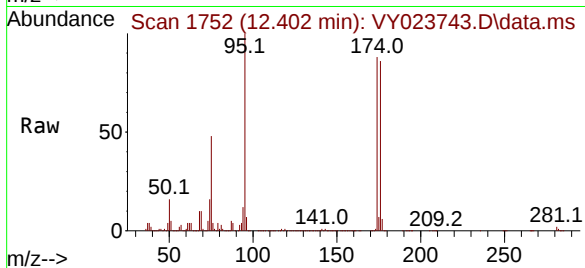




#62
4-Bromofluorobenzene
Concen: 44.988 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023743.D
Acq: 11 Nov 2025 16:24

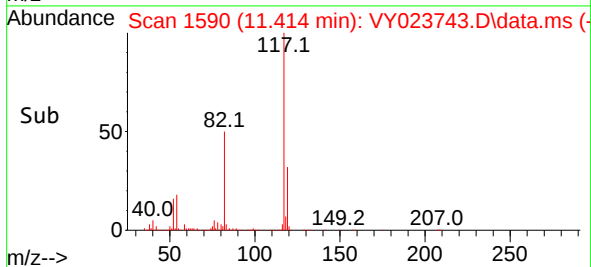
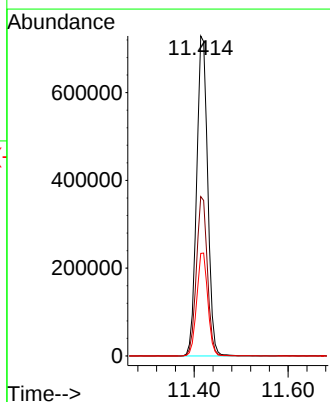
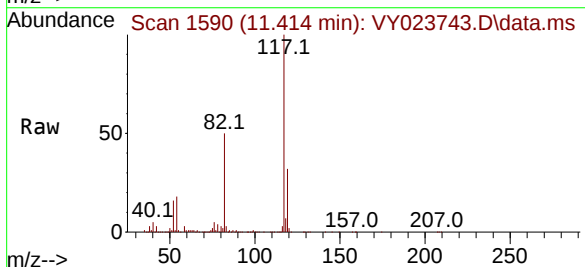
Instrument :
MSVOA_Y
ClientSampleId :
TR-01-11072025

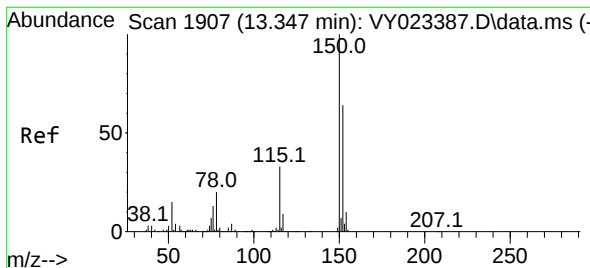
Tgt Ion: 95 Resp: 474680
Ion Ratio Lower Upper
95 100
174 95.0 0.0 192.8
176 92.1 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023743.D
Acq: 11 Nov 2025 16:24

Tgt Ion: 117 Resp: 1198486
Ion Ratio Lower Upper
117 100
82 49.8 41.0 61.4
119 32.1 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: VY023743.D

Acq: 11 Nov 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

TR-01-11072025

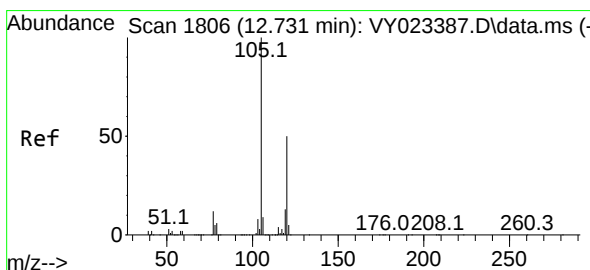
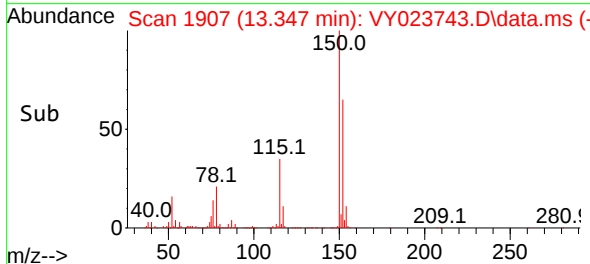
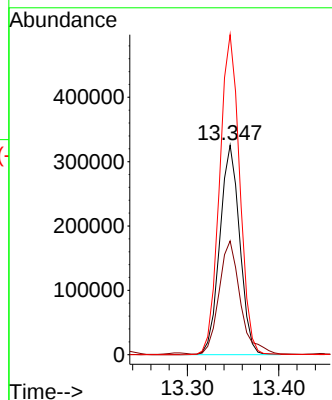
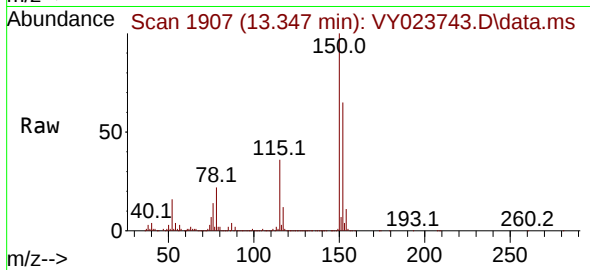
Tgt Ion:152 Resp: 493023

Ion Ratio Lower Upper

152 100

115 57.9 27.1 81.2

150 154.5 0.0 347.4



#80

1,3,5-Trimethylbenzene

Concen: 5.913 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023743.D

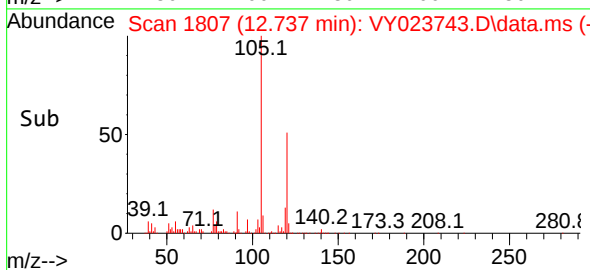
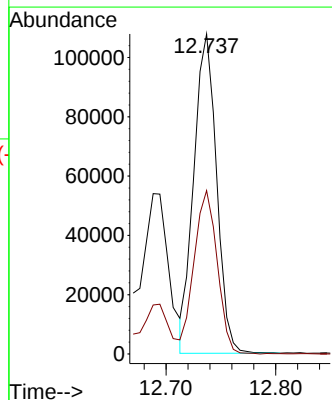
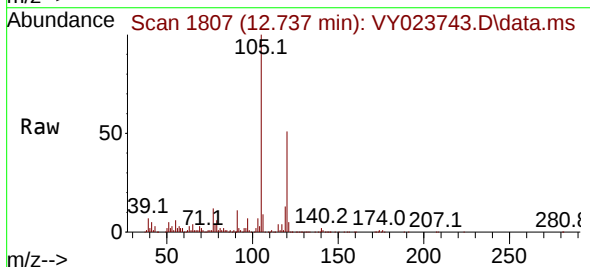
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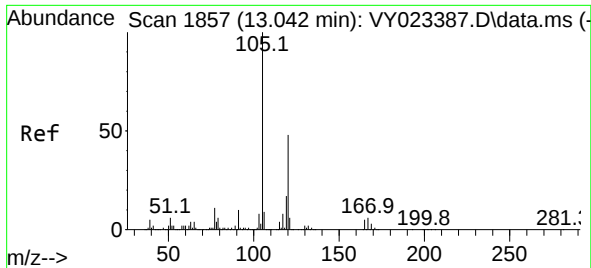
Tgt Ion:105 Resp: 155252

Ion Ratio Lower Upper

105 100

120 51.9 25.4 76.4





#84
 1,2,4-Trimethylbenzene
 Concen: 4.137 ug/l
 RT: 13.042 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY023743.D
 Acq: 11 Nov 2025 16:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-01-11072025

Tgt Ion:105 Resp: 108401
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.8 71.2

