

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022102.D
 Acq On : 01 May 2025 13:04
 Operator : SY/MD
 Sample : Q1923-01
 Misc : 5.83g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-04302025

Quant Time: May 02 01:29:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

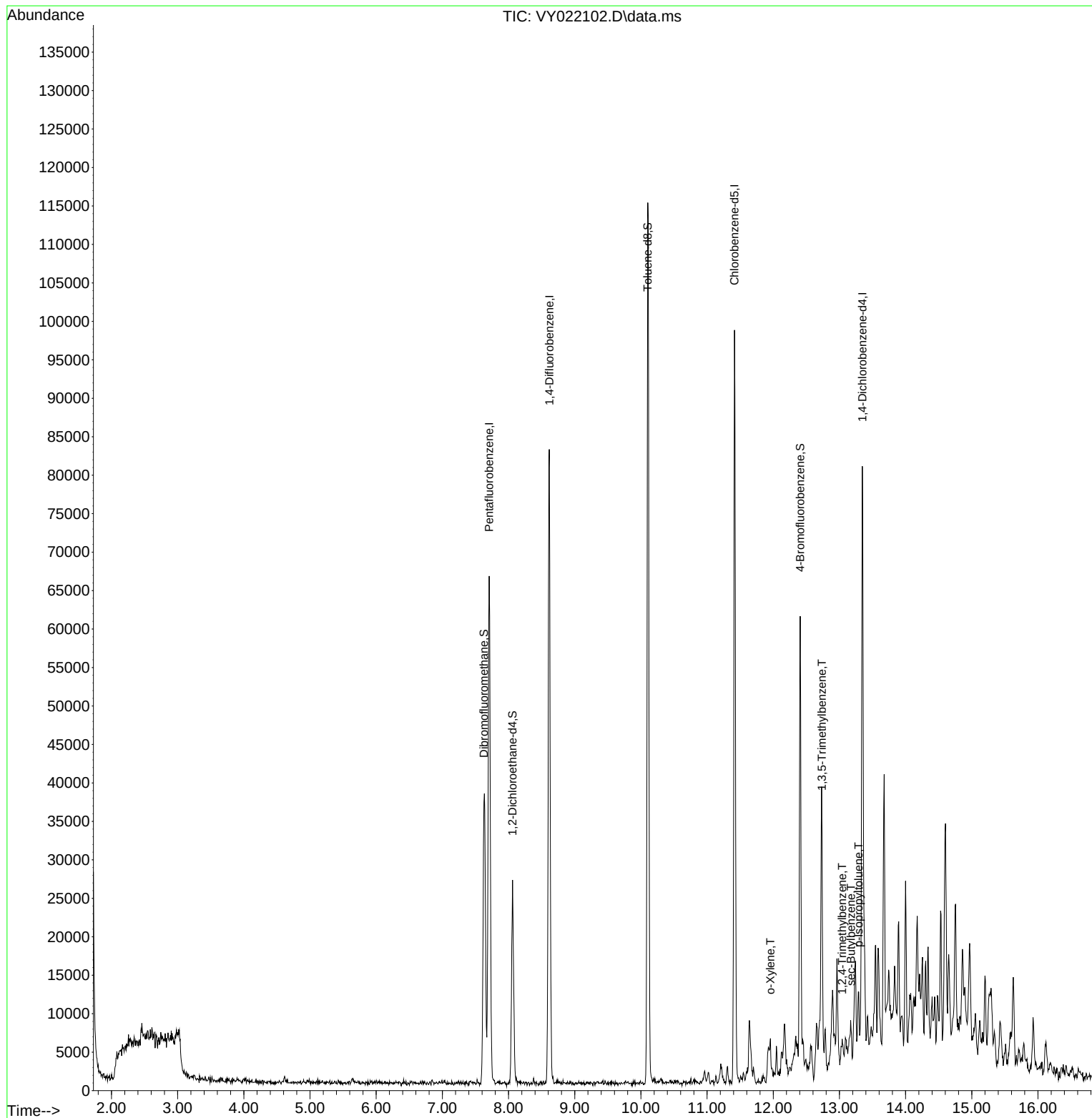
Internal Standards						
1) Pentafluorobenzene	7.707	168	52024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	73404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	57489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	19768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	20080	41.787	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.580%
35) Dibromofluoromethane	7.628	113	28134	58.015	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.020%
50) Toluene-d8	10.103	98	81190	44.409	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.820%
62) 4-Bromofluorobenzene	12.408	95	18154	29.497	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.000%
Target Compounds						
					Qvalue	
69) o-Xylene	11.956	106	878	1.138	ug/l	86
80) 1,3,5-Trimethylbenzene	12.737	105	4448	4.088	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1261	1.159	ug/l	94
85) sec-Butylbenzene	13.176	105	1560	1.092	ug/l	96
86) p-Isopropyltoluene	13.292	119	1778	1.466	ug/l	87

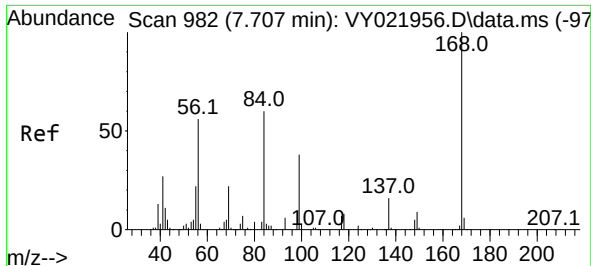
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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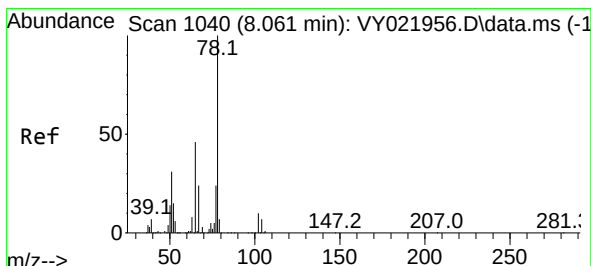
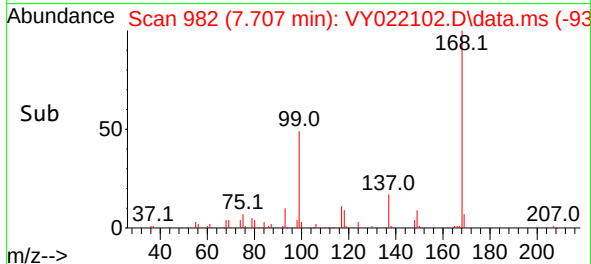
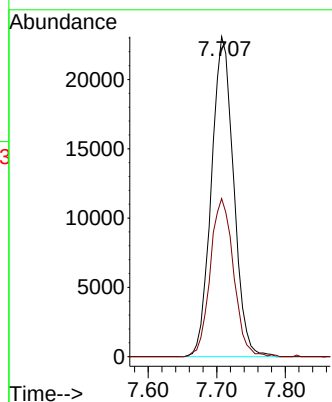
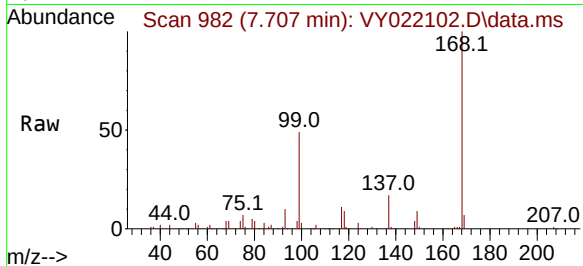




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022102.D
Acq: 01 May 2025 13:04

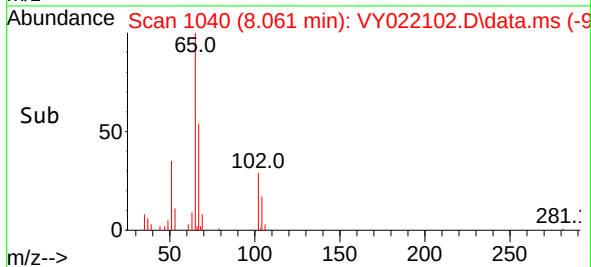
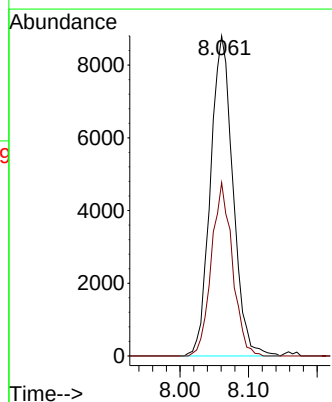
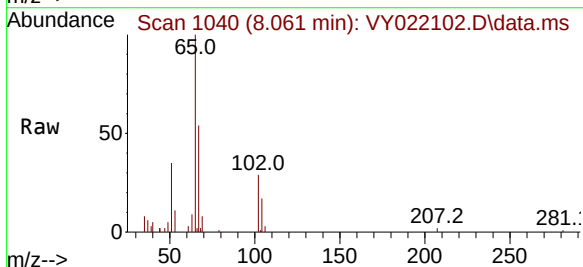
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-04302025

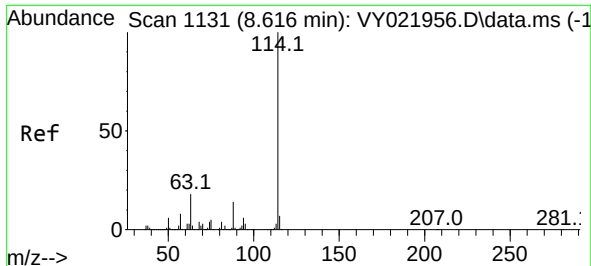
Tgt Ion:168 Resp: 52024
Ion Ratio Lower Upper
168 100
99 49.4 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 41.787 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022102.D
Acq: 01 May 2025 13:04

Tgt Ion: 65 Resp: 20080
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.8

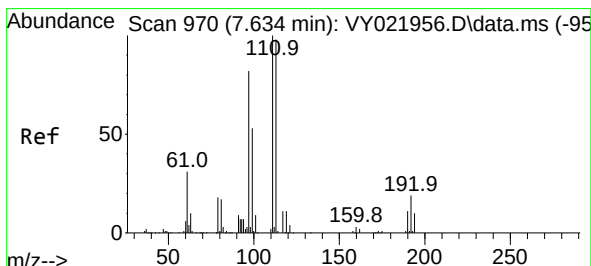
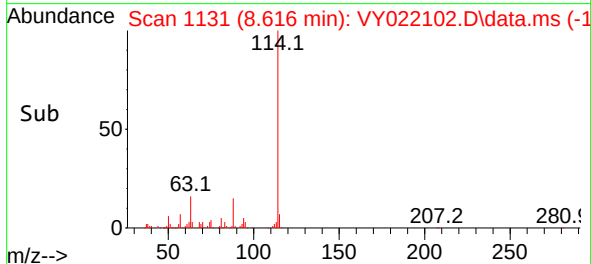
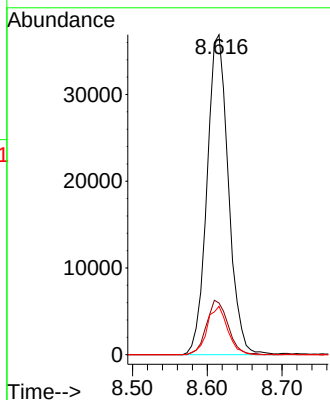
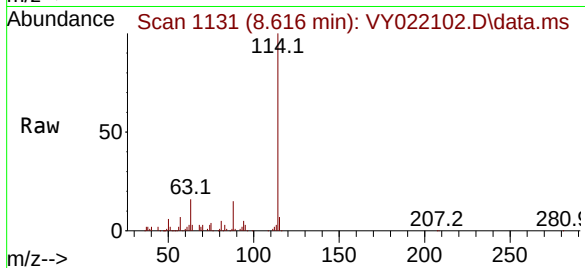




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022102.D
Acq: 01 May 2025 13:04

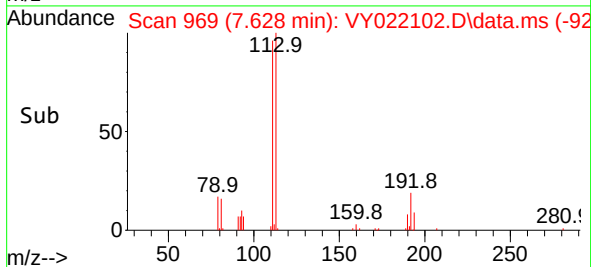
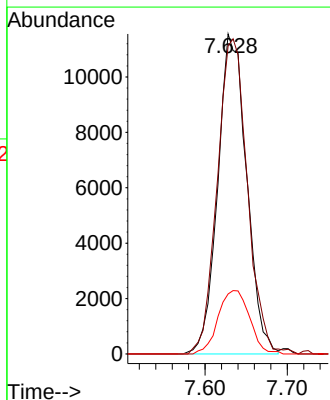
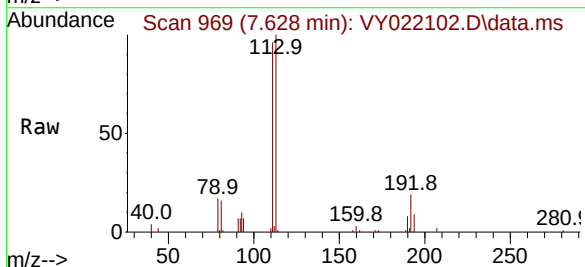
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-04302025

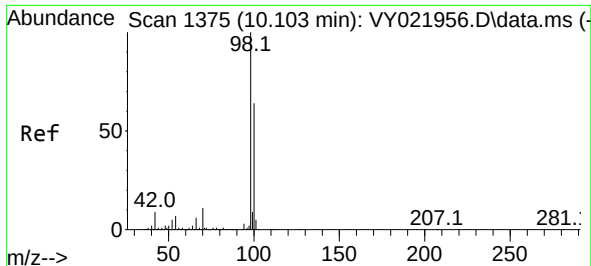
Tgt Ion:	114	Resp:	73404
Ion Ratio	Lower	Upper	
114	100		
63	16.2	0.0	35.4
88	15.1	0.0	28.2



#35
Dibromofluoromethane
Concen: 58.015 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022102.D
Acq: 01 May 2025 13:04

Tgt Ion:	113	Resp:	28134
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.8	122.8
192	21.6	15.6	23.4

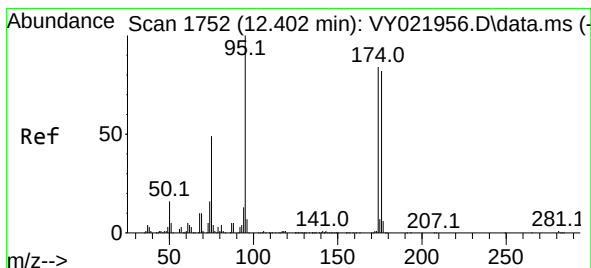
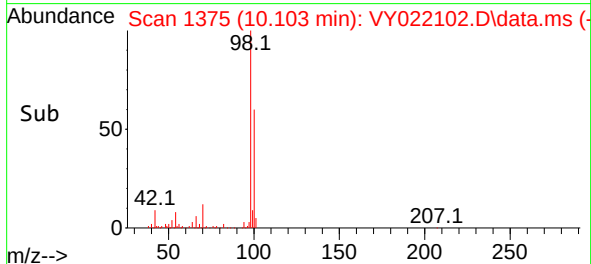
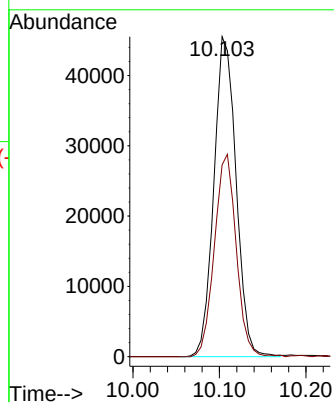
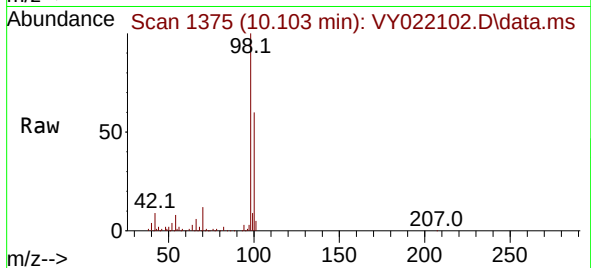




#50
Toluene-d8
Concen: 44.409 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022102.D
Acq: 01 May 2025 13:04

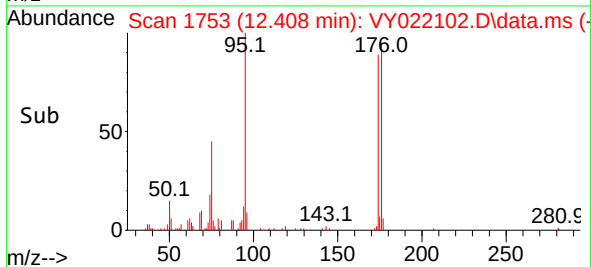
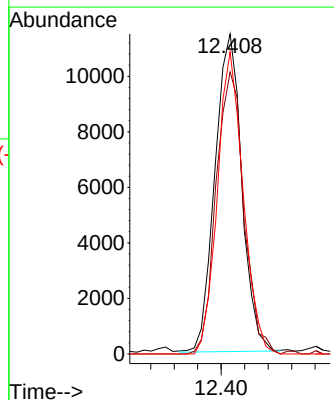
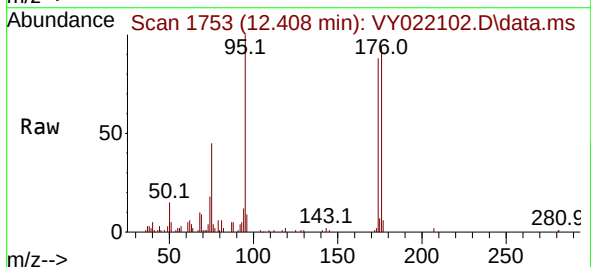
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-04302025

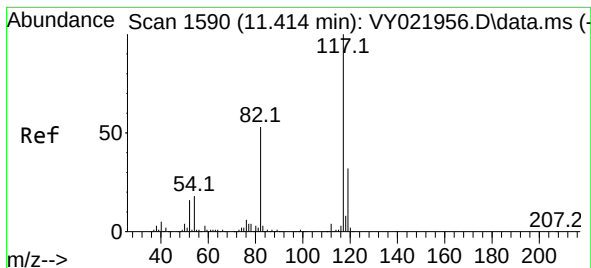
Tgt Ion: 98 Resp: 81190
Ion Ratio Lower Upper
98 100
100 62.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 29.497 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022102.D
Acq: 01 May 2025 13:04

Tgt Ion: 95 Resp: 18154
Ion Ratio Lower Upper
95 100
174 92.0 0.0 179.0
176 91.3 0.0 171.8

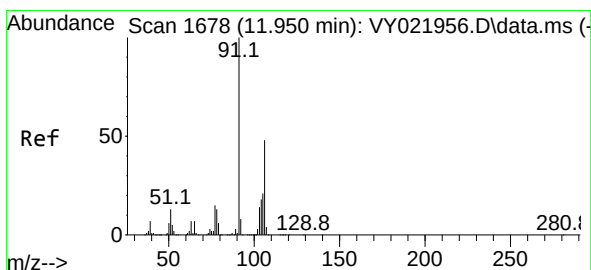
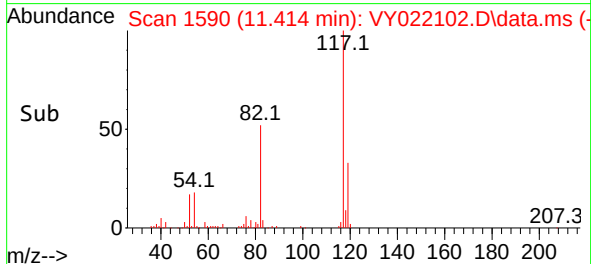
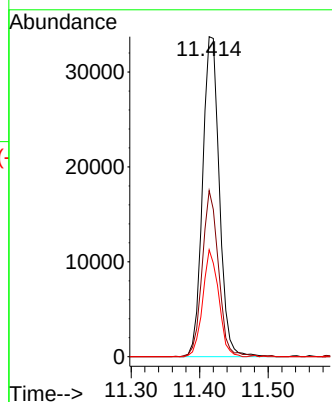
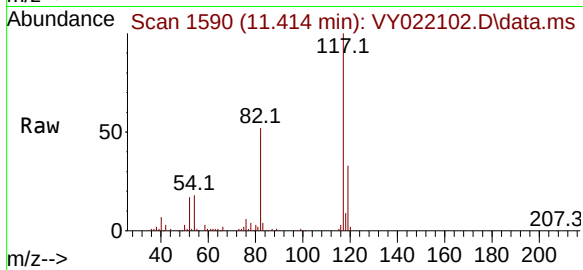




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022102.D
Acq: 01 May 2025 13:04

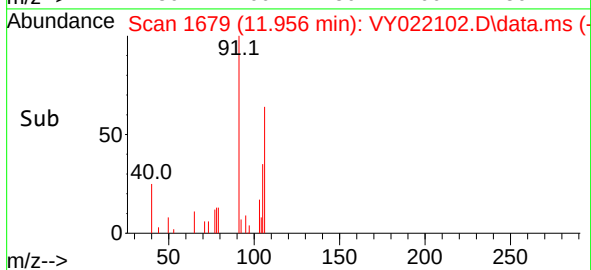
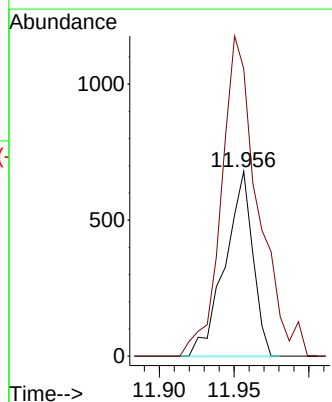
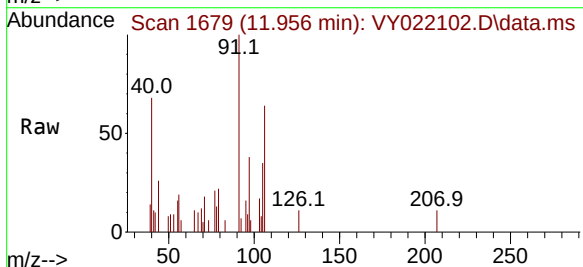
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-04302025

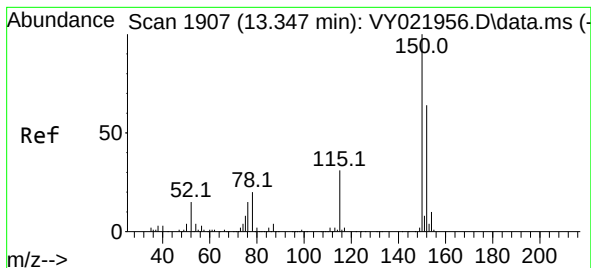
Tgt Ion:117 Resp: 57489
Ion Ratio Lower Upper
117 100
82 51.9 42.1 63.1
119 33.4 25.7 38.5



#69
o-Xylene
Concen: 1.138 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022102.D
Acq: 01 May 2025 13:04

Tgt Ion:106 Resp: 878
Ion Ratio Lower Upper
106 100
91 228.0 103.0 308.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022102.D

Acq: 01 May 2025 13:04

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-04302025

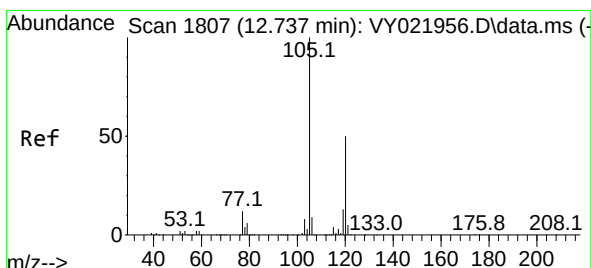
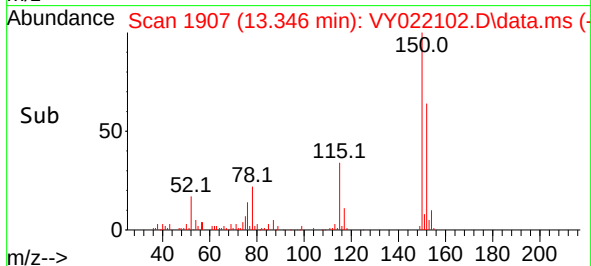
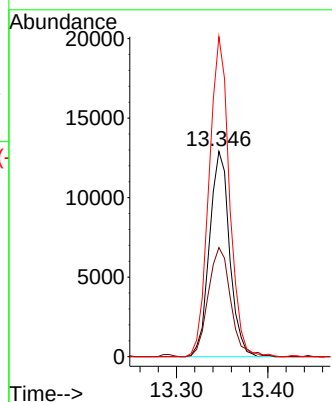
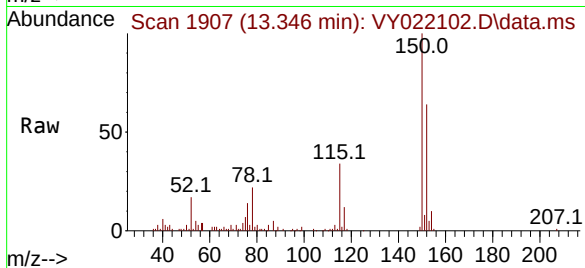
Tgt Ion:152 Resp: 19768

Ion Ratio Lower Upper

152 100

115 59.3 28.0 84.0

150 157.6 0.0 345.6



#80

1,3,5-Trimethylbenzene

Concen: 4.088 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022102.D

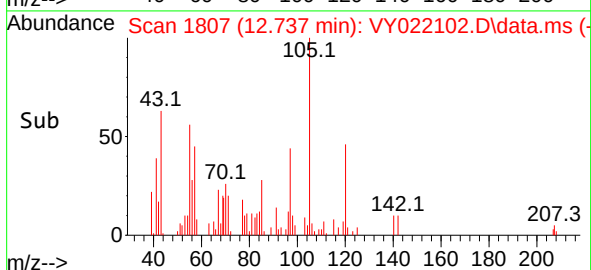
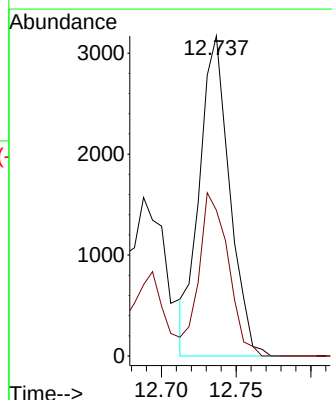
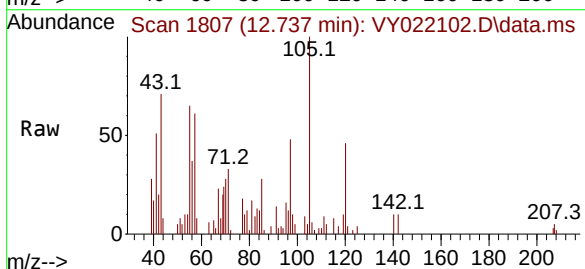
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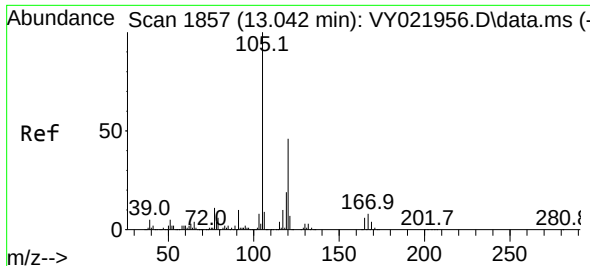
Tgt Ion:105 Resp: 4448

Ion Ratio Lower Upper

105 100

120 49.5 25.0 75.0

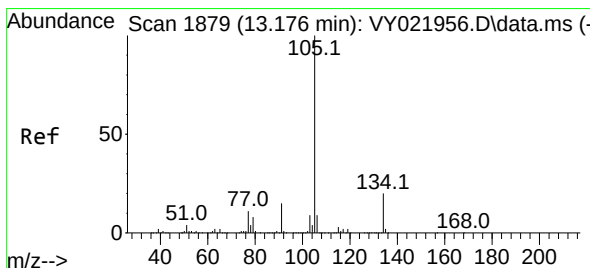
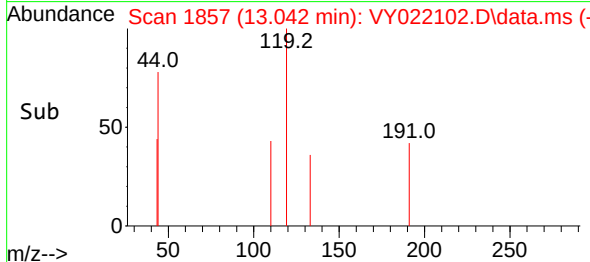
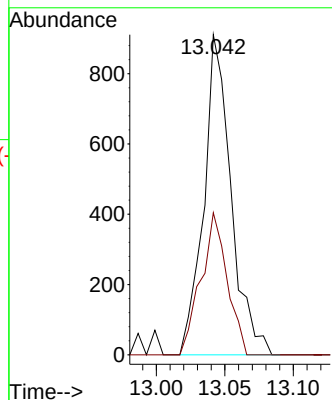
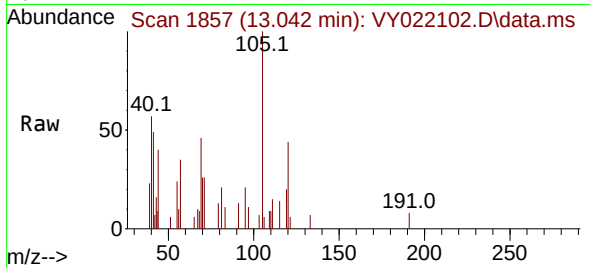




#84
1,2,4-Trimethylbenzene
Concen: 1.159 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022102.D
Acq: 01 May 2025 13:04

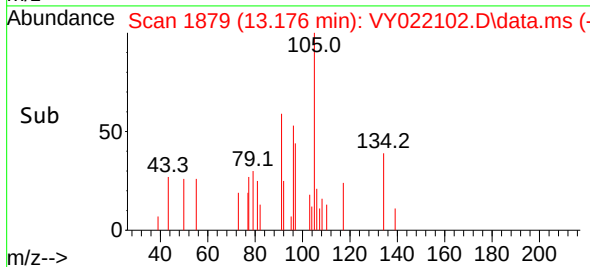
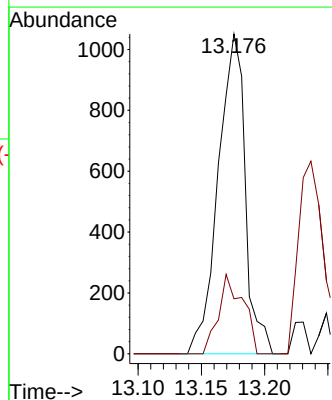
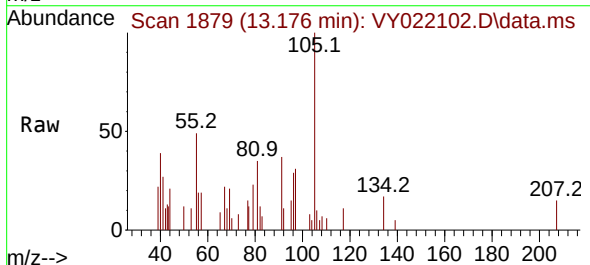
Instrument :
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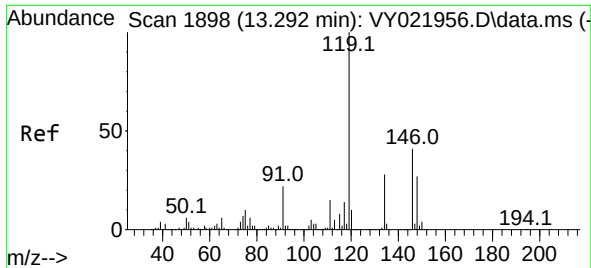
Tgt Ion:105 Resp: 1261
Ion Ratio Lower Upper
105 100
120 42.5 23.4 70.0



#85
sec-Butylbenzene
Concen: 1.092 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022102.D
Acq: 01 May 2025 13:04

Tgt Ion:105 Resp: 1560
Ion Ratio Lower Upper
105 100
134 22.5 10.3 30.9





#86
 p-Isopropyltoluene
 Concen: 1.466 ug/l
 RT: 13.292 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY022102.D
 Acq: 01 May 2025 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-04302025

Tgt Ion:	119	Resp:	1778
Ion	Ratio	Lower	Upper
119	100		
134	17.5	13.6	40.7
91	18.8	11.0	33.0

