

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022123.D
 Acq On : 02 May 2025 12:53
 Operator : SY/MD
 Sample : Q1923-01RE
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-04302025RE

Quant Time: May 03 02:50:13 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)

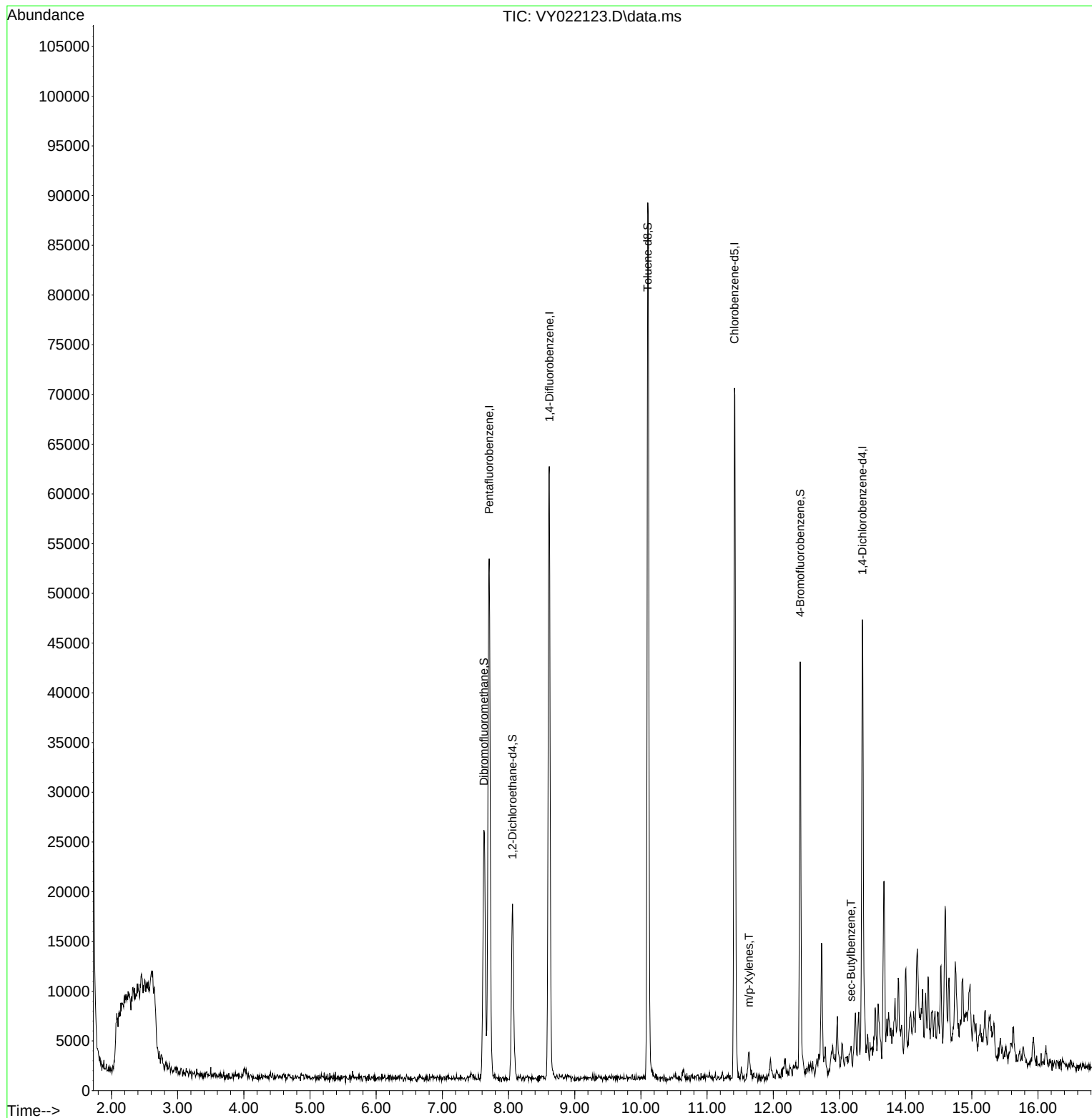
Internal Standards						
1) Pentafluorobenzene	7.707	168	41998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	56933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	40866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	11132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	14342	36.971	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.940%
35) Dibromofluoromethane	7.628	113	17935	47.683	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.360%
50) Toluene-d8	10.103	98	61007	43.023	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.040%
62) 4-Bromofluorobenzene	12.408	95	12433	26.045	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	52.100%
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.633	106	614	1.032	ug/l #	64
85) sec-Butylbenzene	13.176	105	961	1.195	ug/l	97

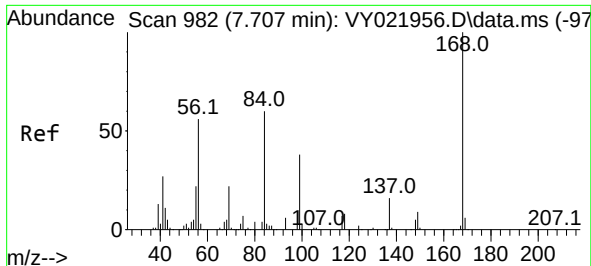
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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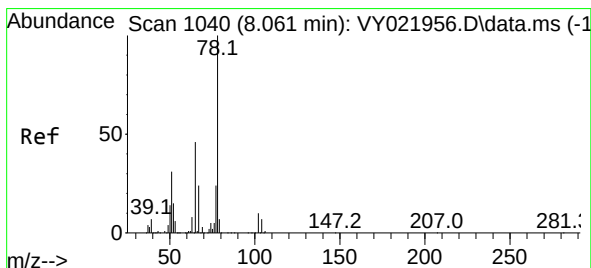
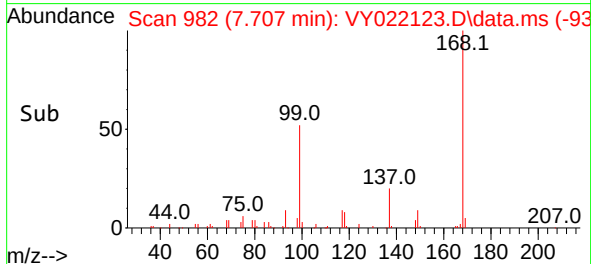
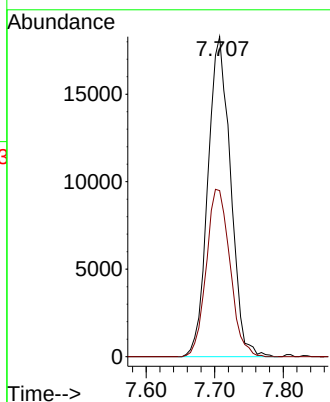
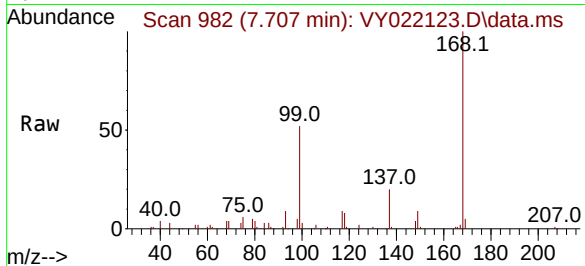




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022123.D
Acq: 02 May 2025 12:53

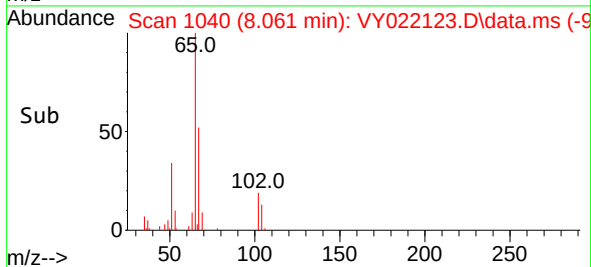
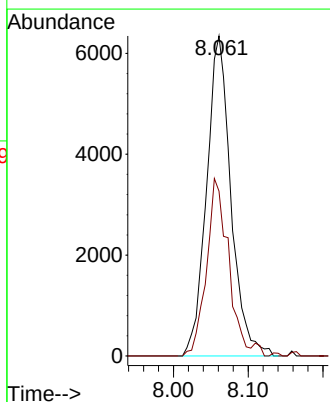
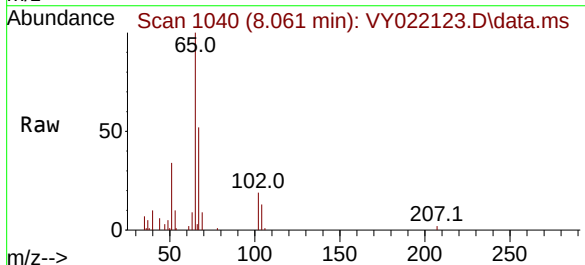
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-04302025RE

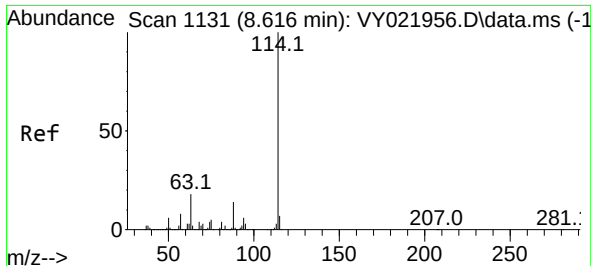
Tgt Ion:168 Resp: 41998
Ion Ratio Lower Upper
168 100
99 51.9 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 36.971 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022123.D
Acq: 02 May 2025 12:53

Tgt Ion: 65 Resp: 14342
Ion Ratio Lower Upper
65 100
67 49.7 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: VY022123.D

Acq: 02 May 2025 12:53

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-04302025RE

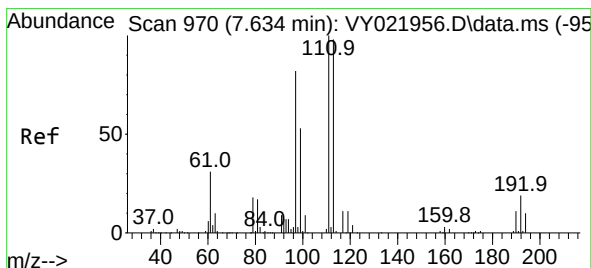
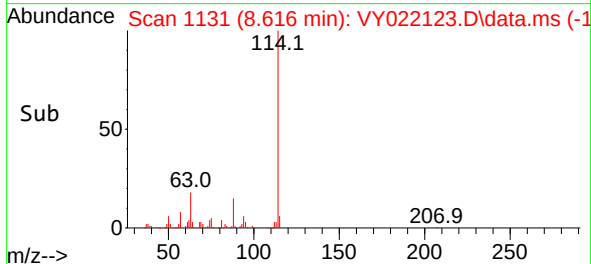
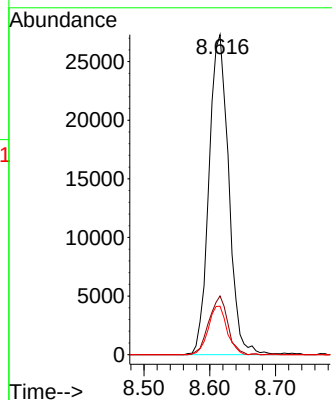
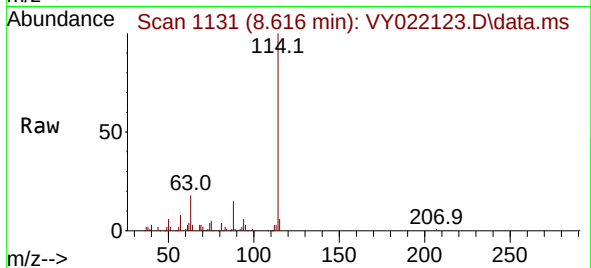
Tgt Ion:114 Resp: 56933

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.4

88 15.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 47.683 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022123.D

Acq: 02 May 2025 12:53

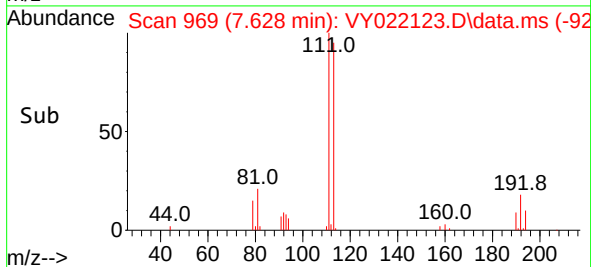
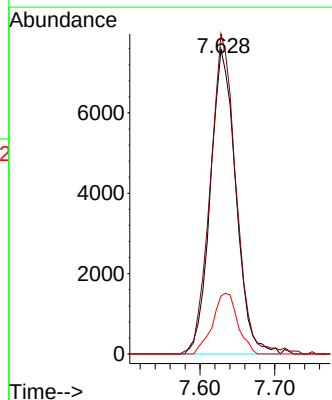
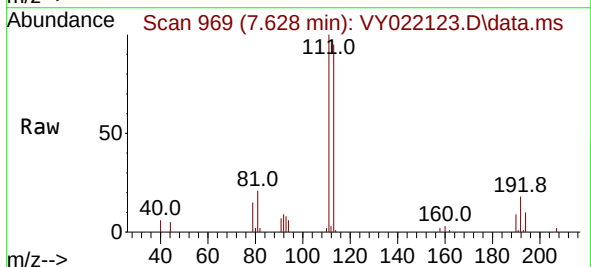
Tgt Ion:113 Resp: 17935

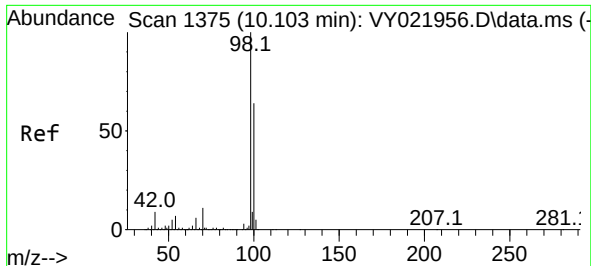
Ion Ratio Lower Upper

113 100

111 106.3 81.8 122.8

192 19.6 15.6 23.4

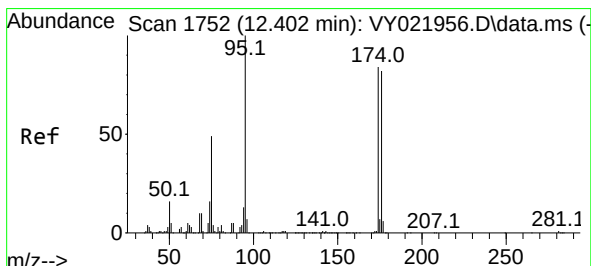
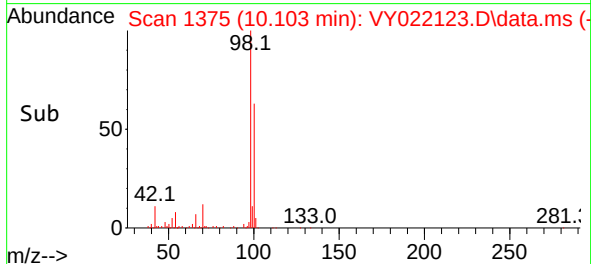
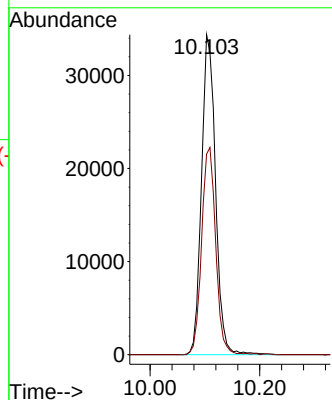
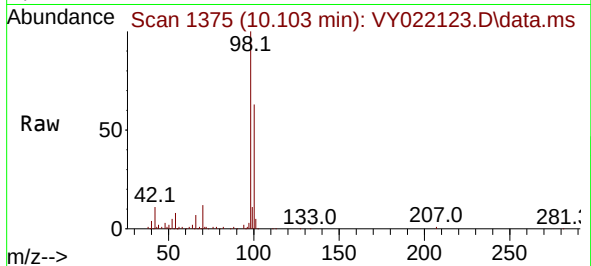




#50
Toluene-d8
Concen: 43.023 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022123.D
Acq: 02 May 2025 12:53

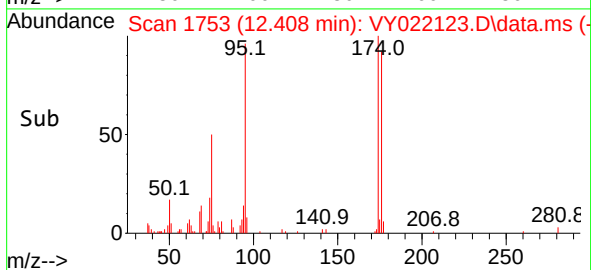
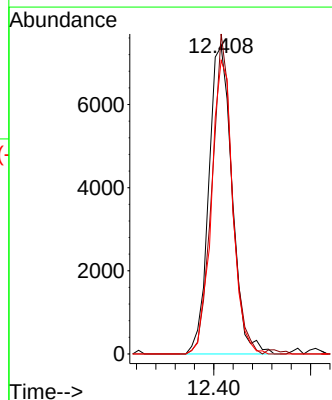
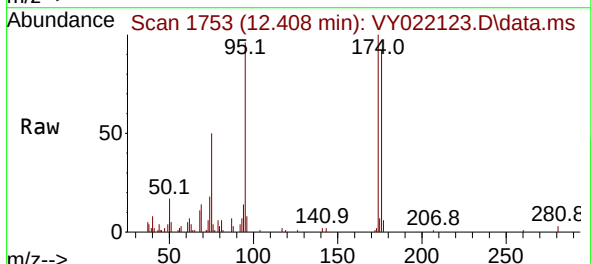
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-04302025RE

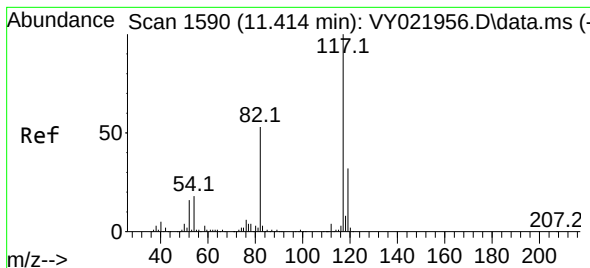
Tgt Ion: 98 Resp: 61007
Ion Ratio Lower Upper
98 100
100 65.2 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 26.045 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022123.D
Acq: 02 May 2025 12:53

Tgt Ion: 95 Resp: 12433
Ion Ratio Lower Upper
95 100
174 89.4 0.0 179.0
176 87.1 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022123.D

Acq: 02 May 2025 12:53

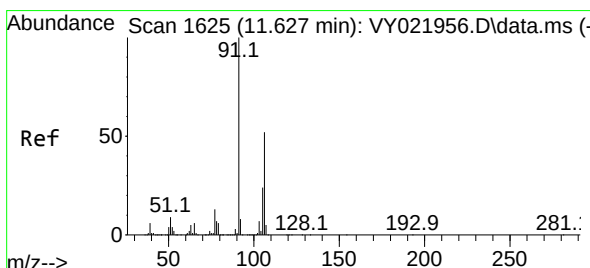
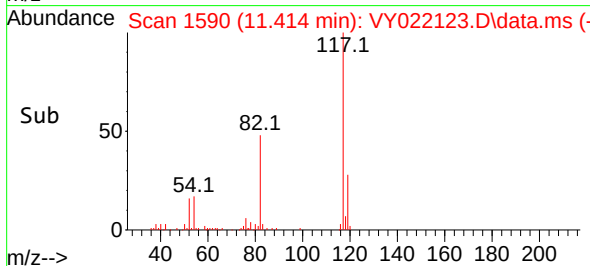
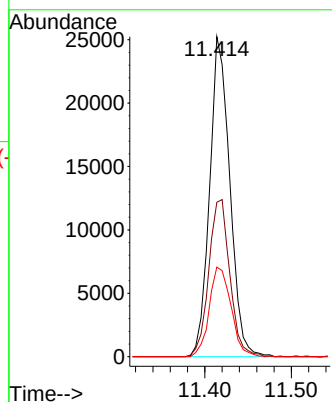
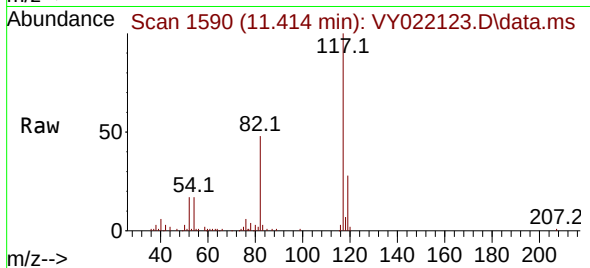
Instrument :

MSVOA_Y

ClientSampleId :

TR-05-04302025RE

Tgt Ion:117	Resp:	40866
Ion Ratio	Lower	Upper
117	100	
82	48.3	42.1 63.1
119	28.0	25.7 38.5



#68

m/p-Xylenes

Concen: 1.032 ug/l

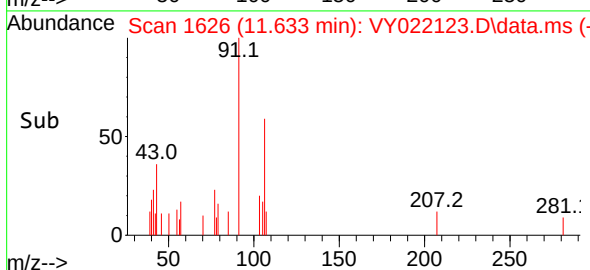
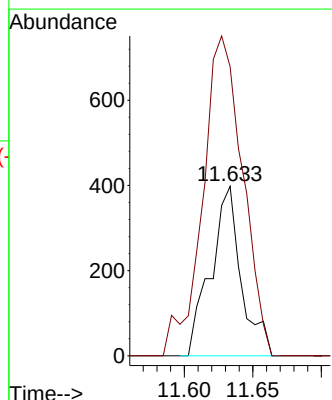
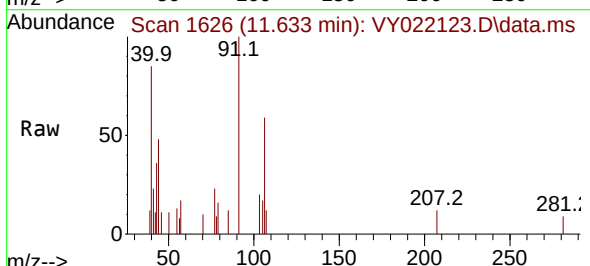
RT: 11.633 min Scan# 1626

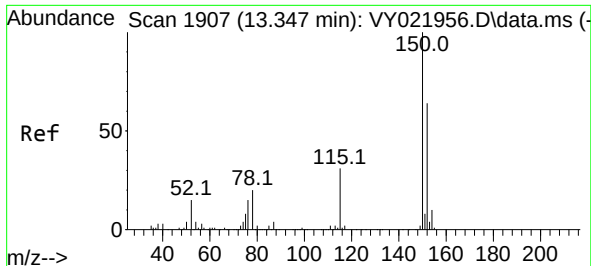
Delta R.T. 0.006 min

Lab File: VY022123.D

Acq: 02 May 2025 12:53

Tgt Ion:106	Resp:	614
Ion Ratio	Lower	Upper
106	100	
91	249.2	156.2 234.2#

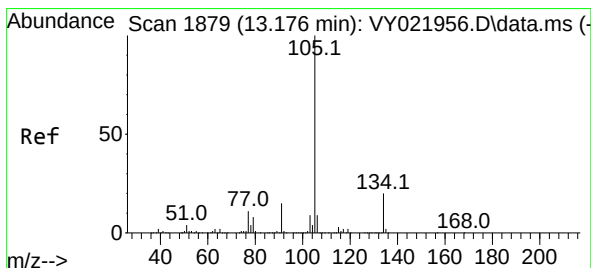
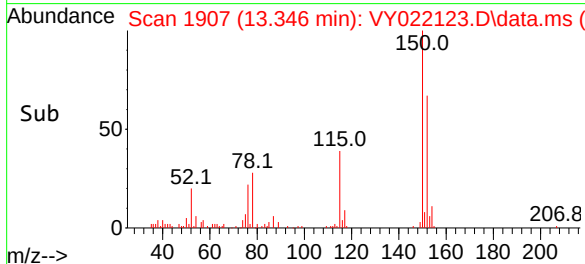
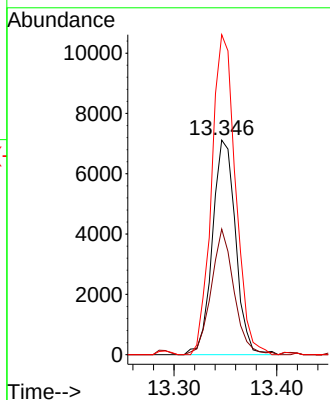
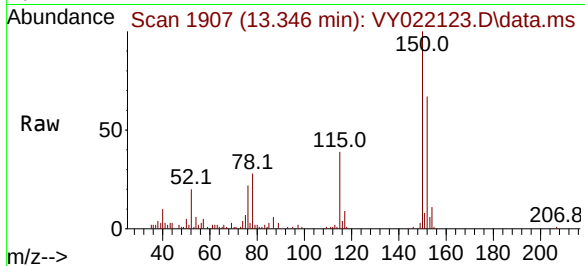




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022123.D
Acq: 02 May 2025 12:53

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-04302025RE

Tgt Ion:152 Resp: 11132
Ion Ratio Lower Upper
152 100
115 57.5 28.0 84.0
150 154.2 0.0 345.6



#85
sec-Butylbenzene
Concen: 1.195 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022123.D
Acq: 02 May 2025 12:53

Tgt Ion:105 Resp: 961
Ion Ratio Lower Upper
105 100
134 19.1 10.3 30.9

