

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022132.D
 Acq On : 02 May 2025 16:24
 Operator : SY/MD
 Sample : Q1939-01
 Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1

Quant Time: May 03 02:51:59 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)

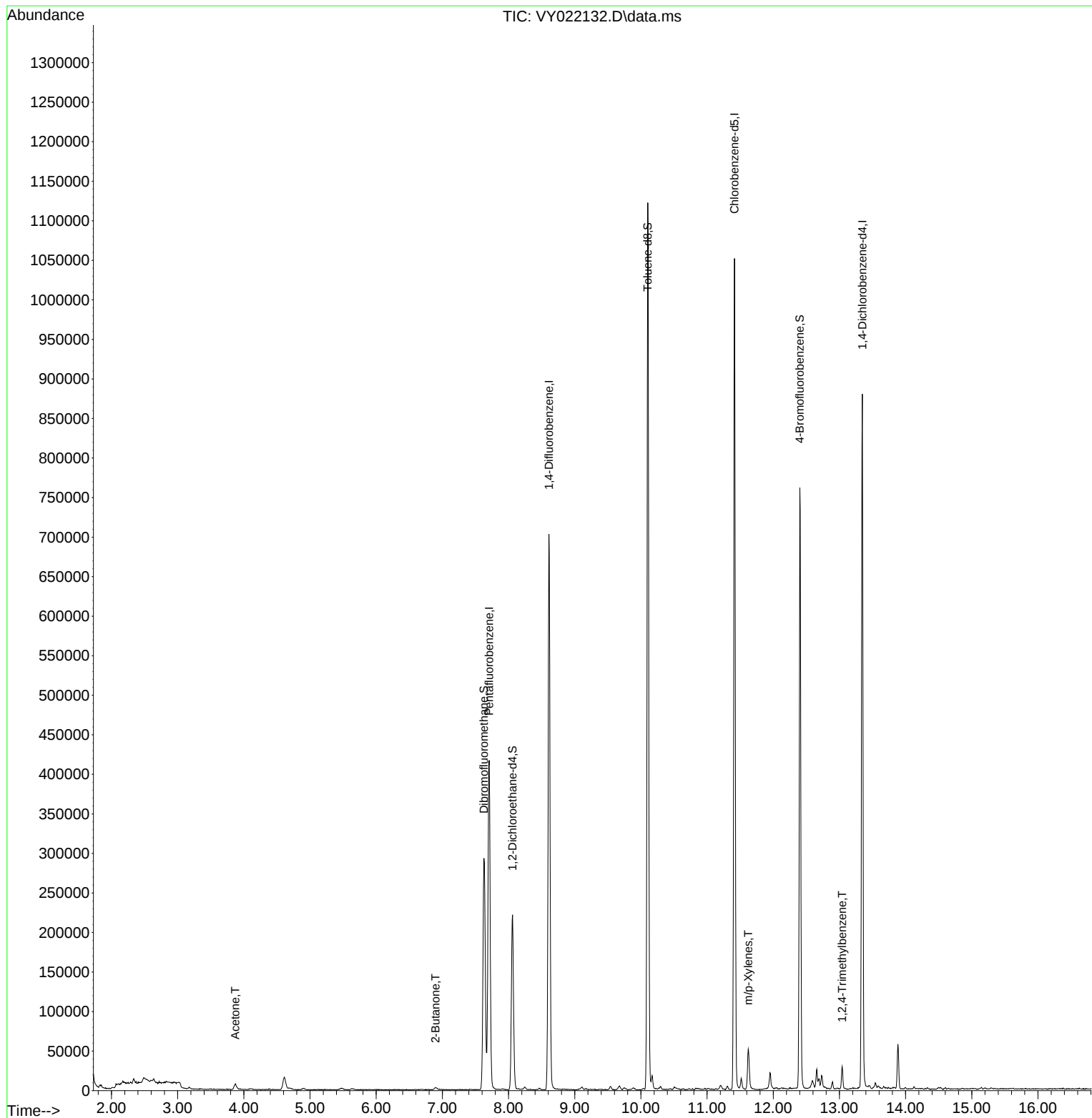
Internal Standards						
1) Pentafluorobenzene	7.707	168	327260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	620890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	562816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	227037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	178830	59.160	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.320%
35) Dibromofluoromethane	7.628	113	213057	51.941	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.880%
50) Toluene-d8	10.103	98	746474	48.271	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.540%
62) 4-Bromofluorobenzene	12.401	95	234313	45.009	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.020%
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	11324	7.938	ug/l	# 86
25) 2-Butanone	6.896	43	3818	5.541	ug/l	99
68) m/p-Xylenes	11.621	106	15935	1.945	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	14392	1.151	ug/l	100

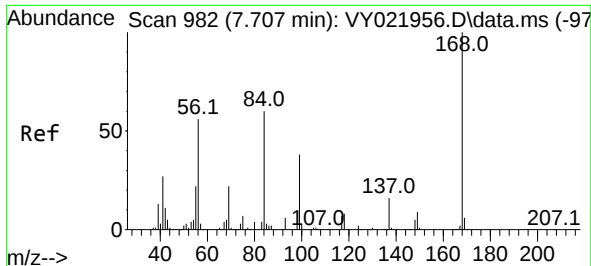
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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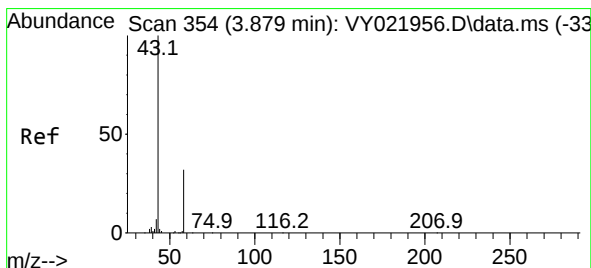
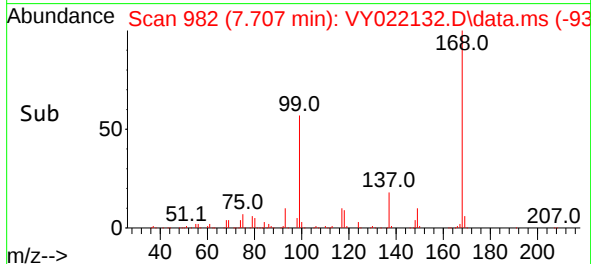
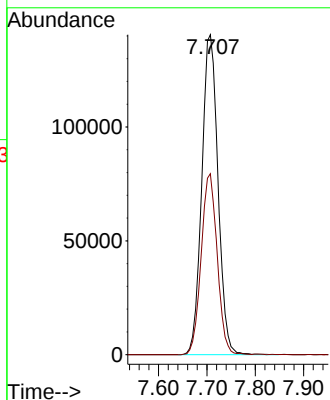
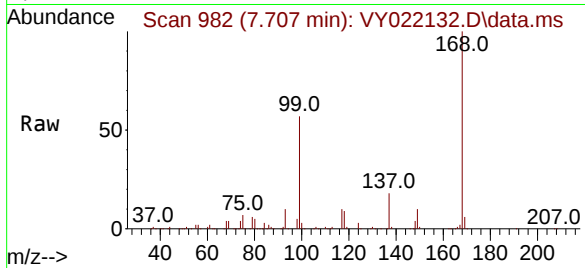




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

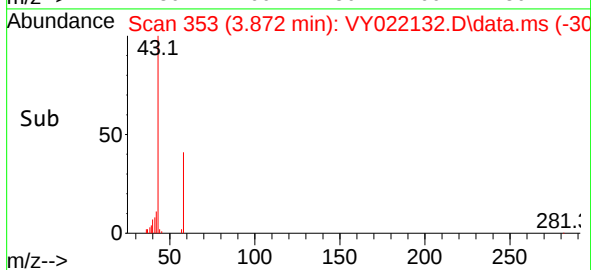
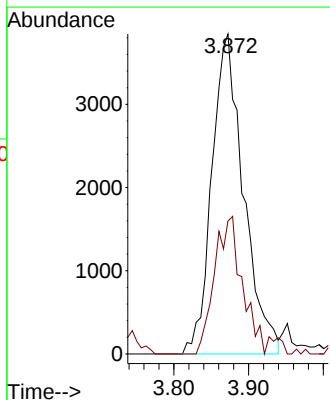
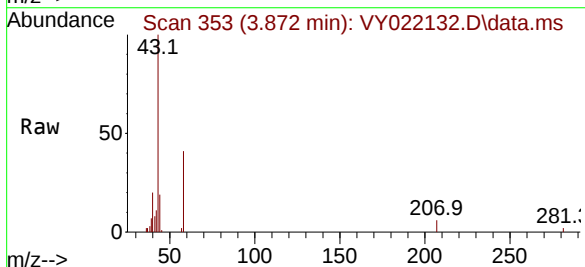
Instrument :
MSVOA_Y
ClientSampleId :
GB1

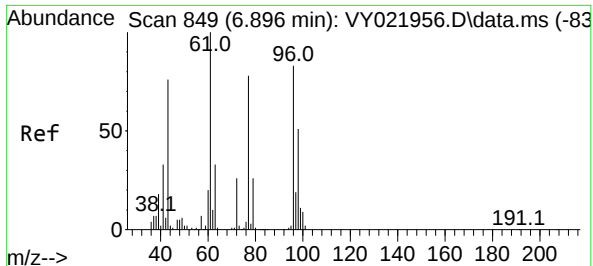
Tgt Ion:168 Resp: 327260
Ion Ratio Lower Upper
168 100
99 56.5 43.1 64.7



#16
Acetone
Concen: 7.938 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion: 43 Resp: 11324
Ion Ratio Lower Upper
43 100
58 41.5 27.0 40.4#

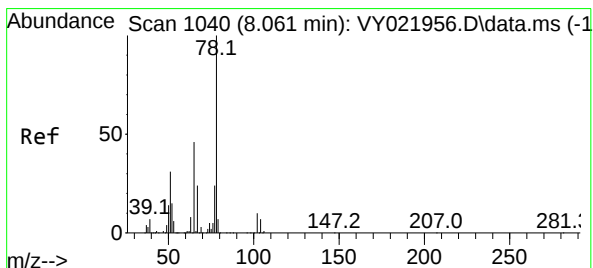
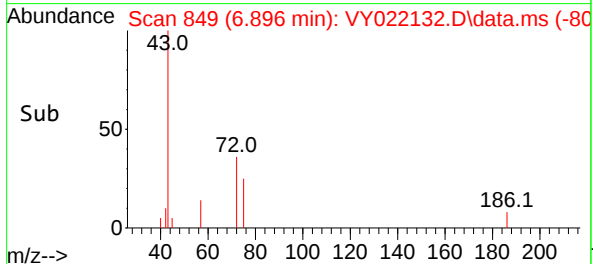
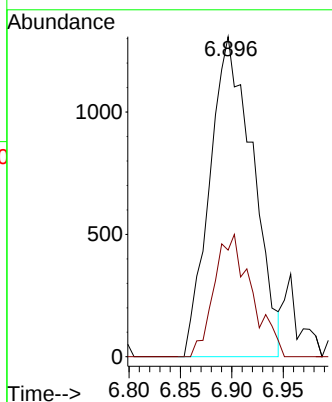
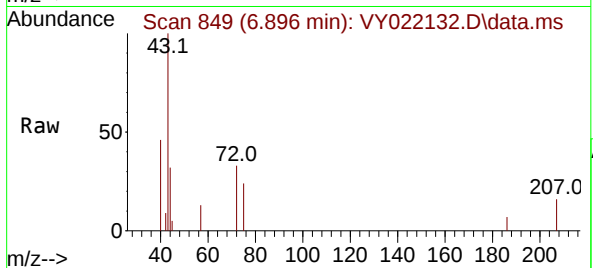




#25
2-Butanone
Concen: 5.541 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

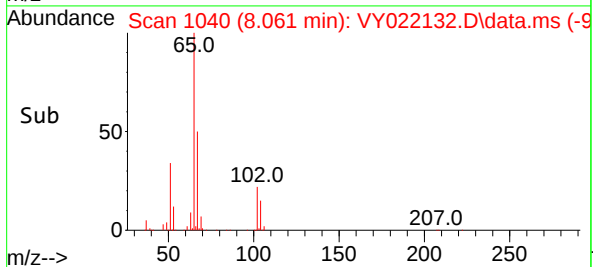
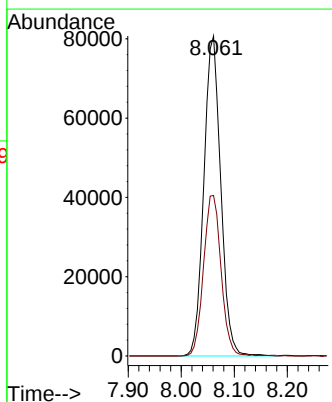
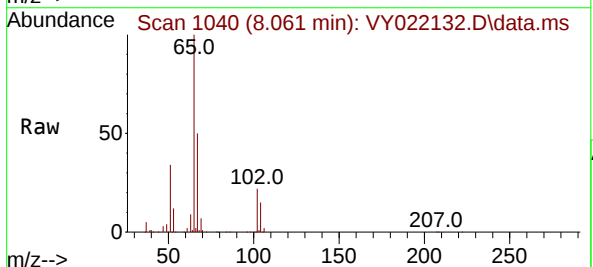
Instrument :
MSVOA_Y
ClientSampleId :
GB1

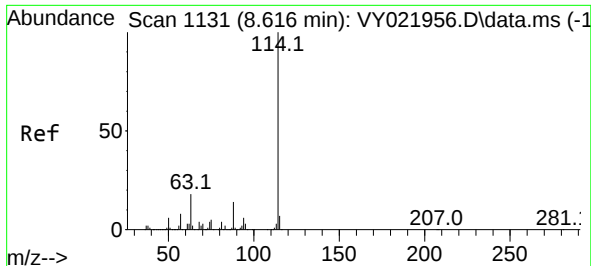
Tgt Ion: 43 Resp: 3818
Ion Ratio Lower Upper
43 100
72 33.3 27.0 40.4



#33
1,2-Dichloroethane-d4
Concen: 59.160 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion: 65 Resp: 178830
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022132.D

Acq: 02 May 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

GB1

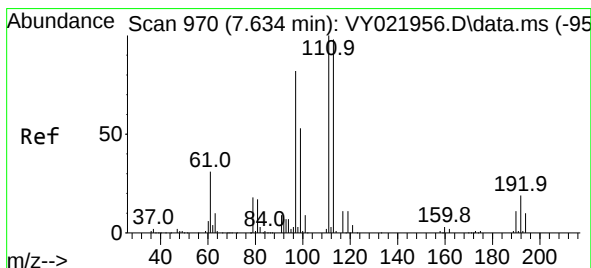
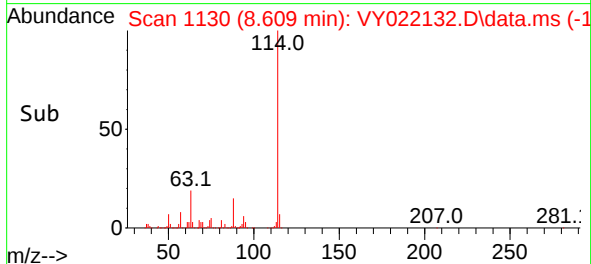
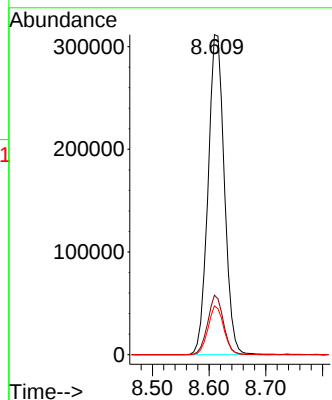
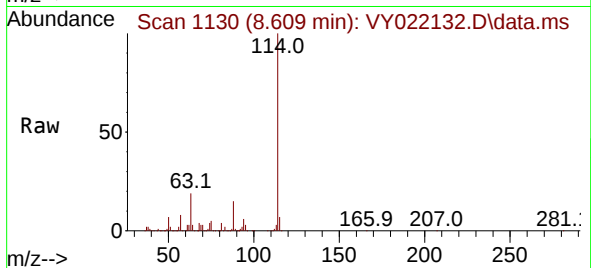
Tgt Ion:114 Resp: 620890

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.4

88 15.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.941 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022132.D

Acq: 02 May 2025 16:24

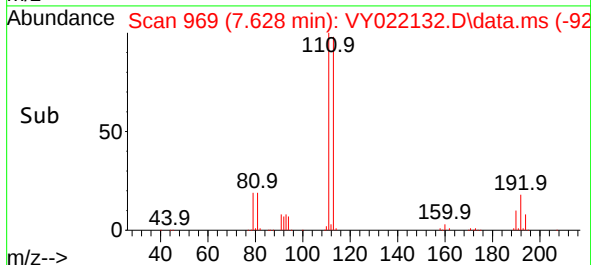
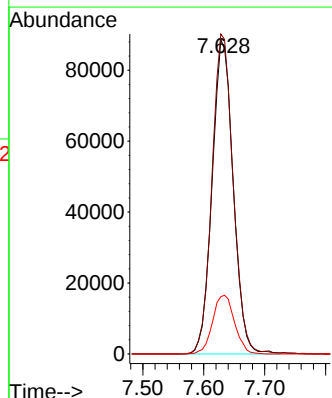
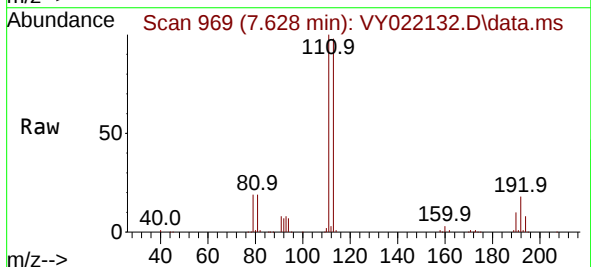
Tgt Ion:113 Resp: 213057

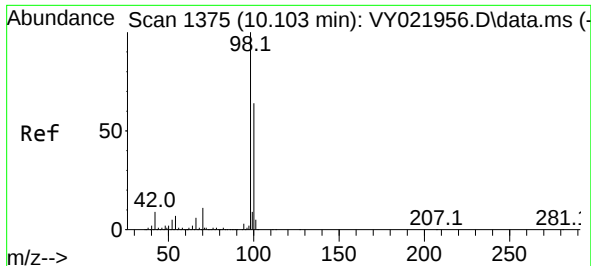
Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

192 19.5 15.6 23.4

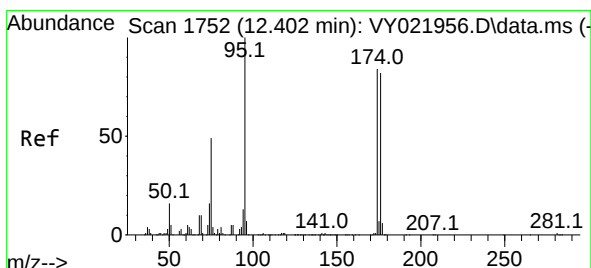
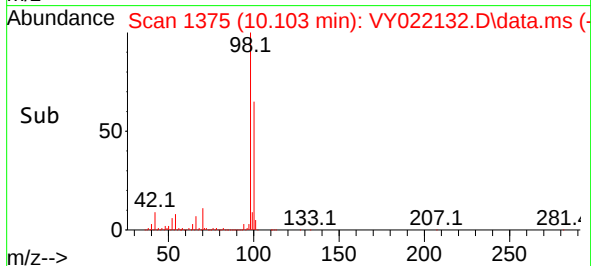
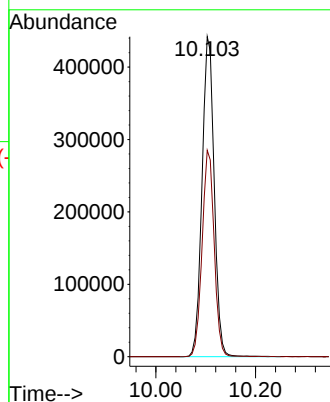
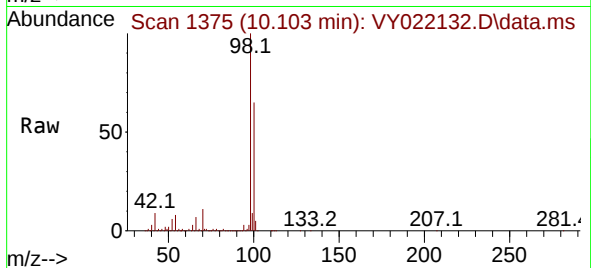




#50
Toluene-d8
Concen: 48.271 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

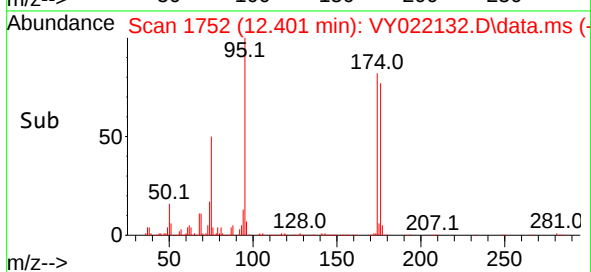
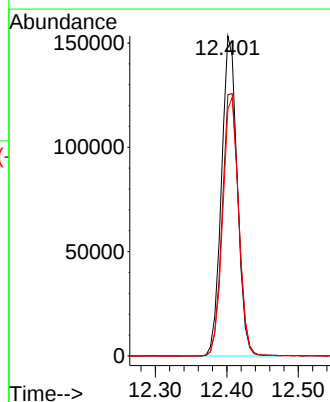
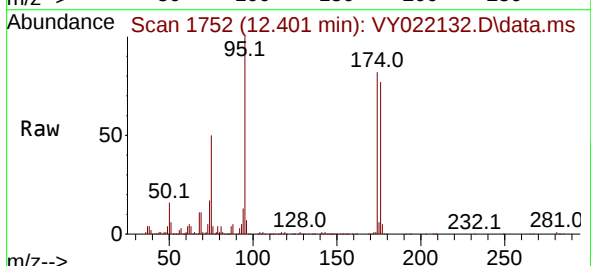
Instrument :
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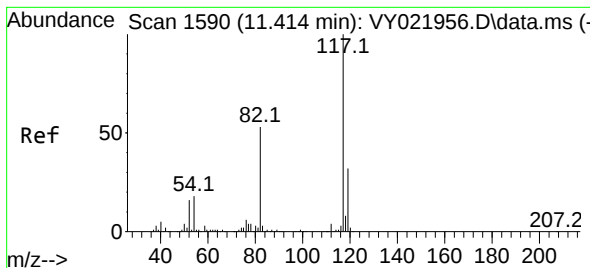
Tgt Ion: 98 Resp: 746474
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 45.009 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion: 95 Resp: 234313
Ion Ratio Lower Upper
95 100
174 85.5 0.0 179.0
176 81.8 0.0 171.8

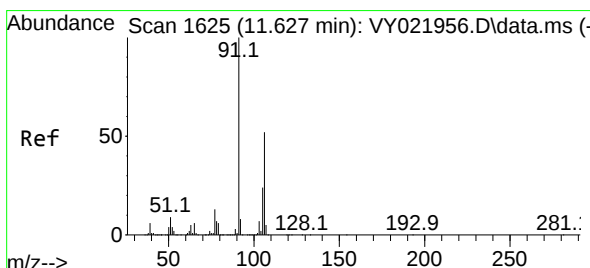
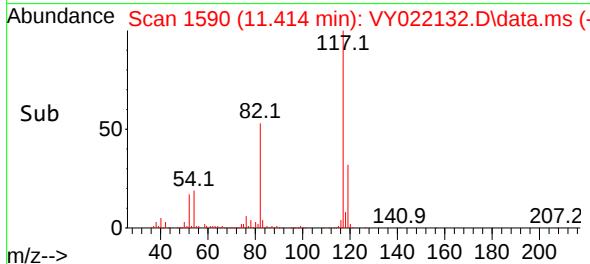
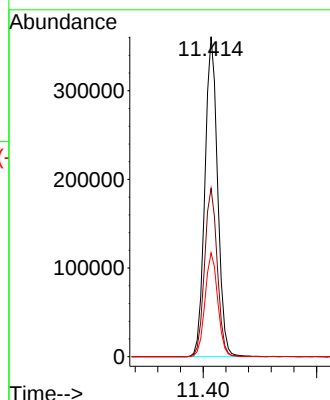
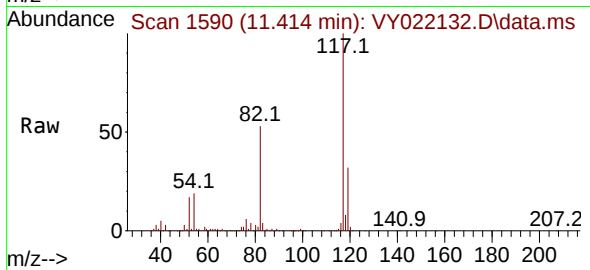




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

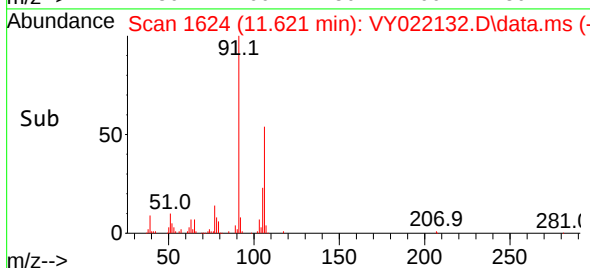
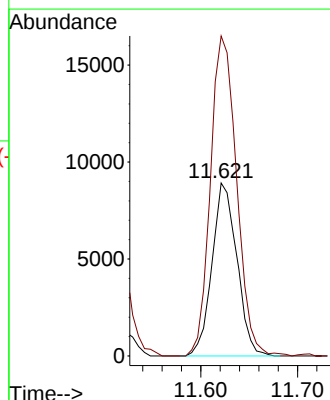
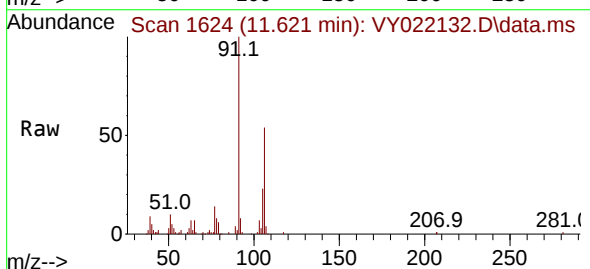
Instrument :
MSVOA_Y
ClientSampleId :
GB1

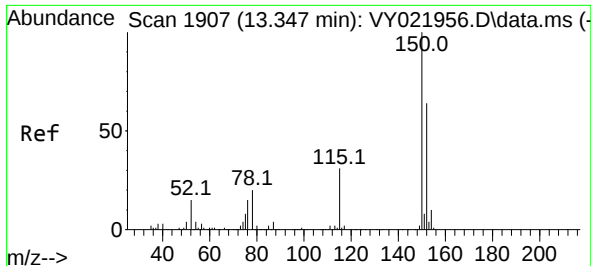
Tgt Ion:117 Resp: 562816
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 32.5 25.7 38.5



#68
m/p-Xylenes
Concen: 1.945 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion:106 Resp: 15935
Ion Ratio Lower Upper
106 100
91 194.9 156.2 234.2

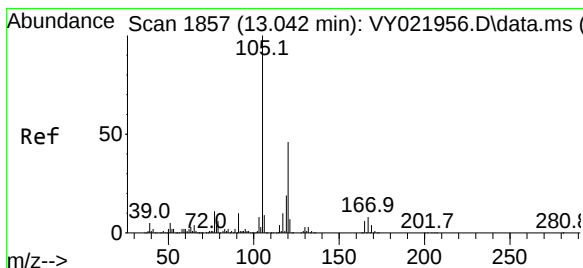
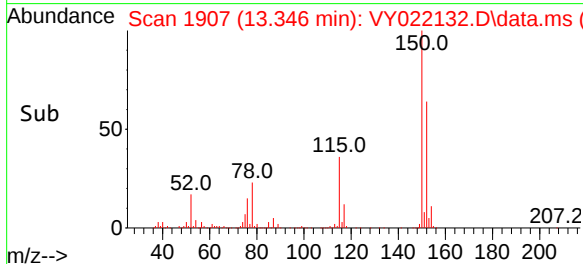
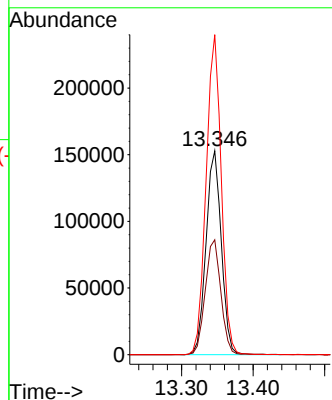
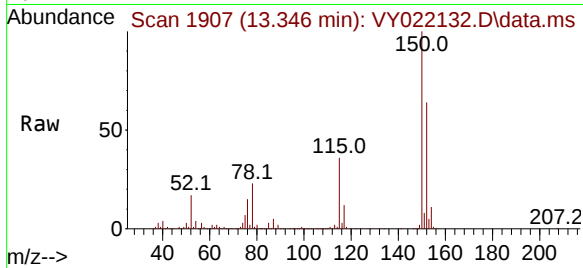




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022132.D
 Acq: 02 May 2025 16:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1

Tgt Ion:152 Resp: 227037
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.0 84.0
 150 155.7 0.0 345.6



#84
 1,2,4-Trimethylbenzene
 Concen: 1.151 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. -0.000 min
 Lab File: VY022132.D
 Acq: 02 May 2025 16:24

Tgt Ion:105 Resp: 14392
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.0

