

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022133.D
 Acq On : 02 May 2025 16:48
 Operator : SY/MD
 Sample : Q1939-02
 Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1B

Quant Time: May 03 02:52:10 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)

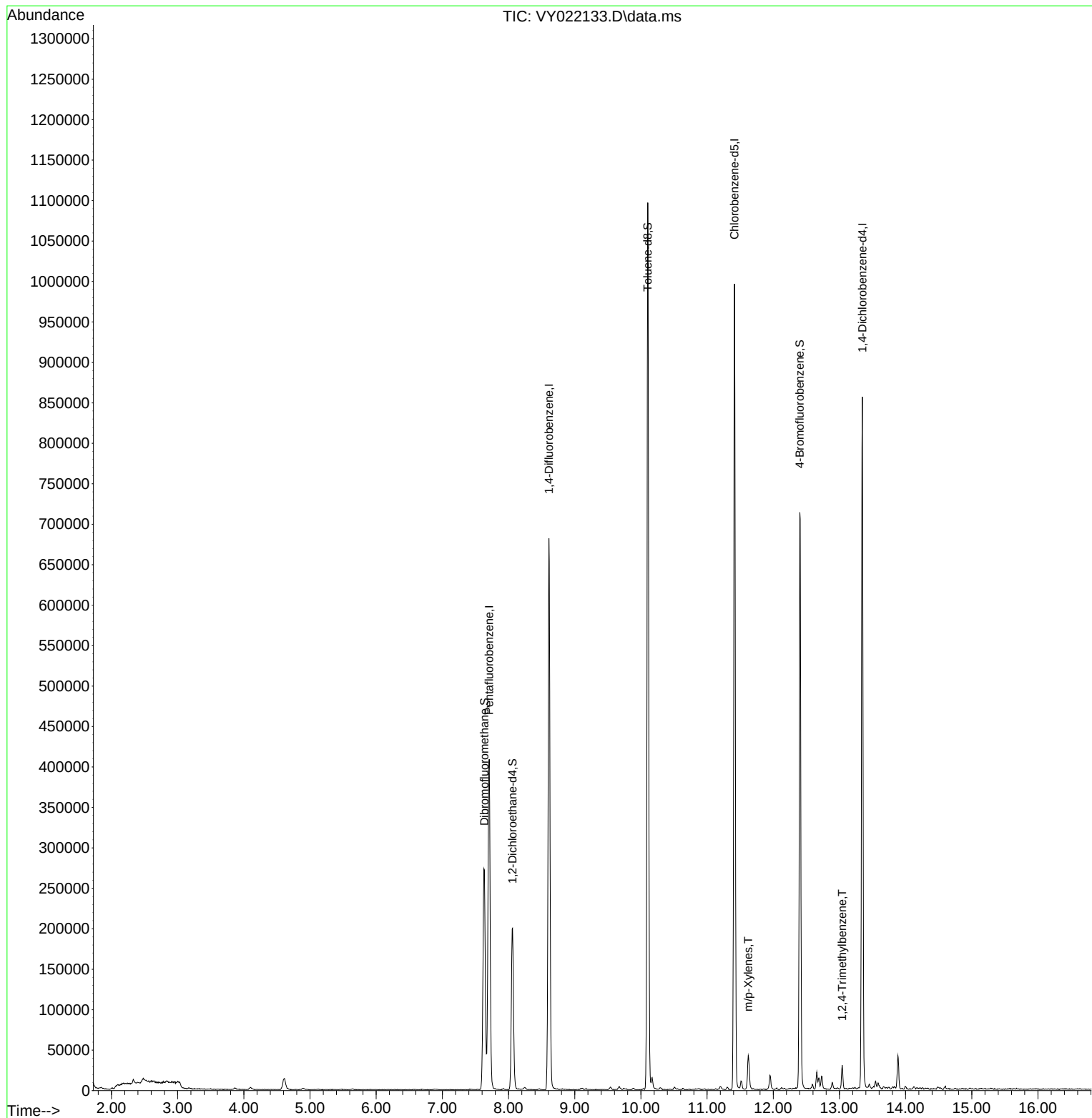
Internal Standards						
1) Pentafluorobenzene	7.707	168	318938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	597401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	540276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	220532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162382	55.120	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.240%
35) Dibromofluoromethane	7.634	113	198567	50.312	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.620%
50) Toluene-d8	10.103	98	724652	48.702	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.400%
62) 4-Bromofluorobenzene	12.401	95	222338	44.388	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.780%
Target Compounds						Qvalue
68) m/p-Xylenes	11.621	106	13088	1.664	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	15035	1.238	ug/l	98

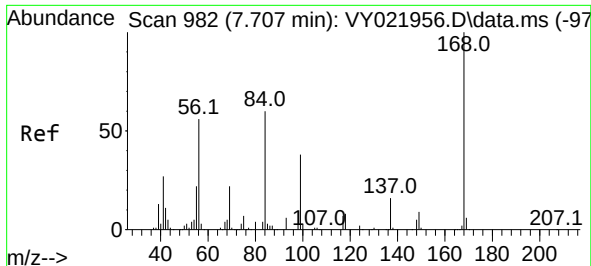
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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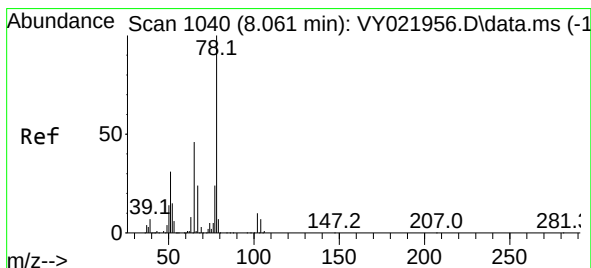
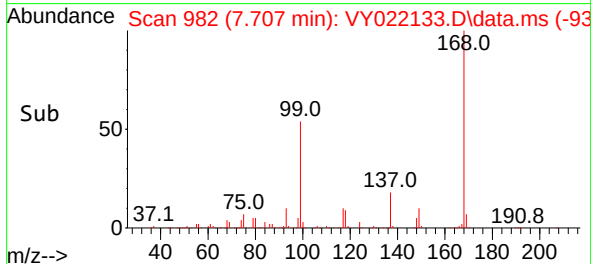
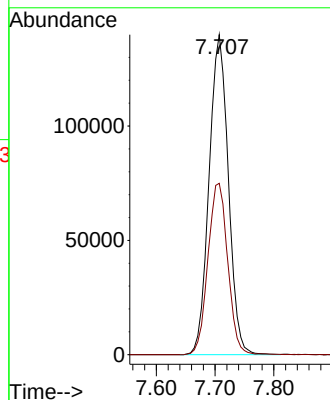
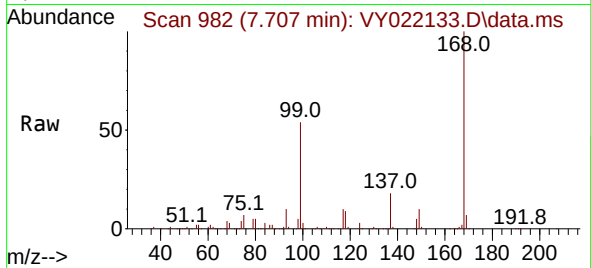




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

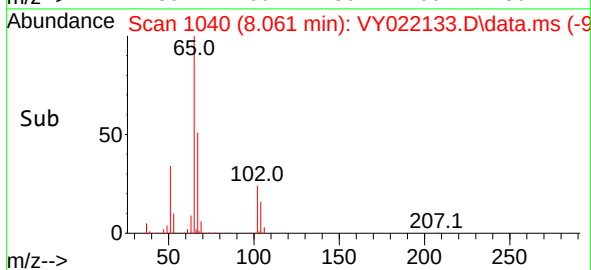
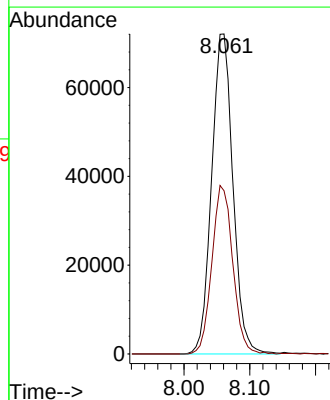
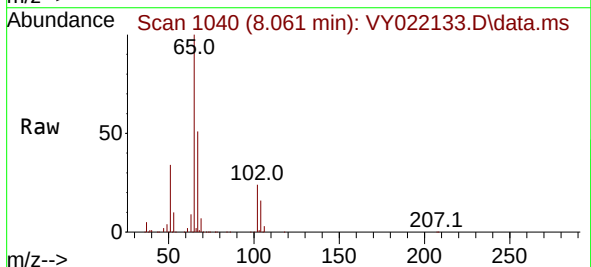
Instrument :
MSVOA_Y
ClientSampleId :
GB1B

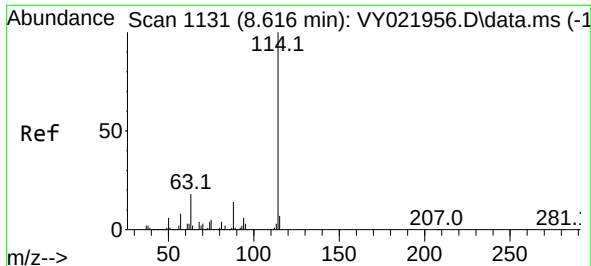
Tgt Ion:168 Resp: 318938
Ion Ratio Lower Upper
168 100
99 53.6 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 55.120 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion: 65 Resp: 162382
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022133.D

Acq: 02 May 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

GB1B

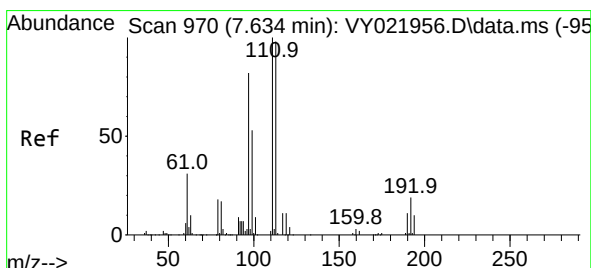
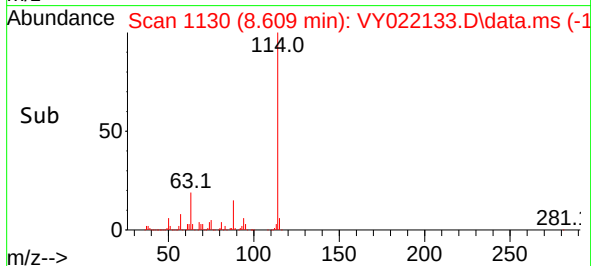
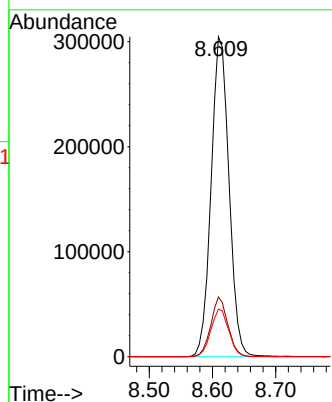
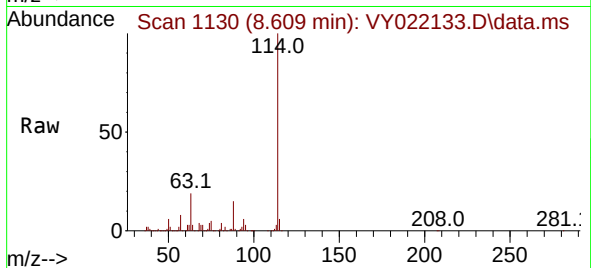
Tgt Ion:114 Resp: 597401

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.4

88 14.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.312 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022133.D

Acq: 02 May 2025 16:48

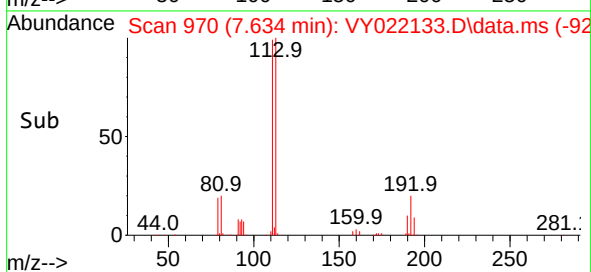
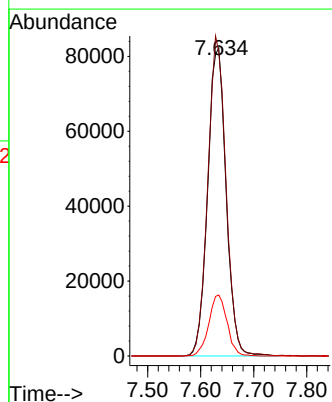
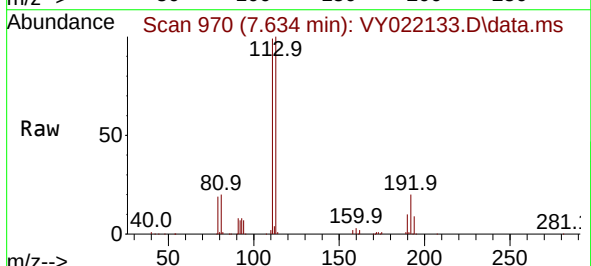
Tgt Ion:113 Resp: 198567

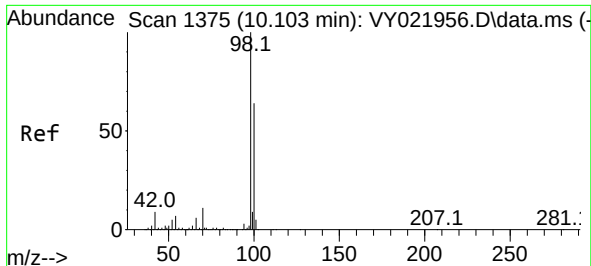
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

192 19.6 15.6 23.4

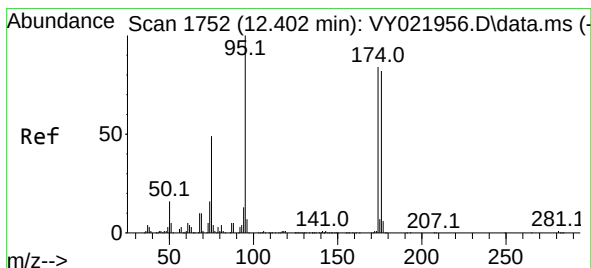
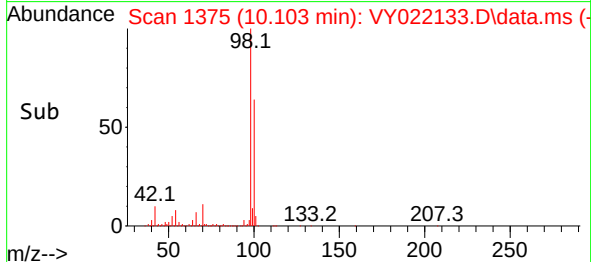
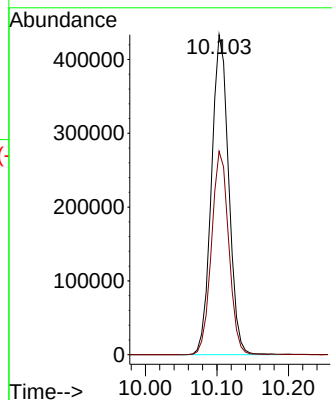
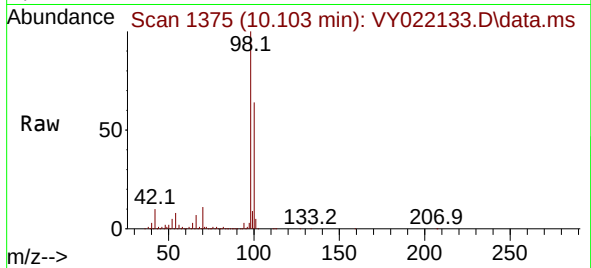




#50
Toluene-d8
Concen: 48.702 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

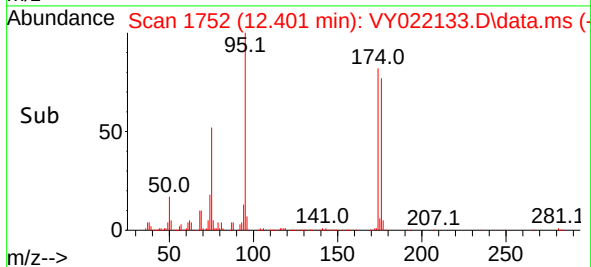
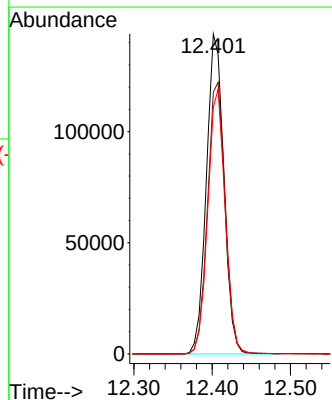
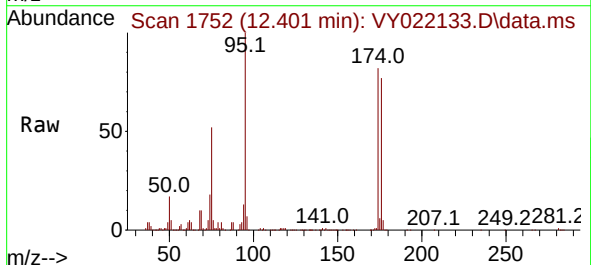
Instrument :
MSVOA_Y
ClientSampleId :
GB1B

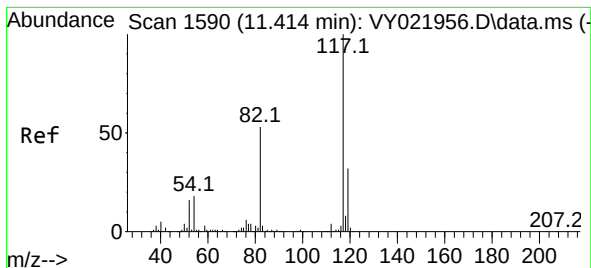
Tgt Ion: 98 Resp: 724652
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 44.388 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion: 95 Resp: 222338
Ion Ratio Lower Upper
95 100
174 86.7 0.0 179.0
176 81.9 0.0 171.8

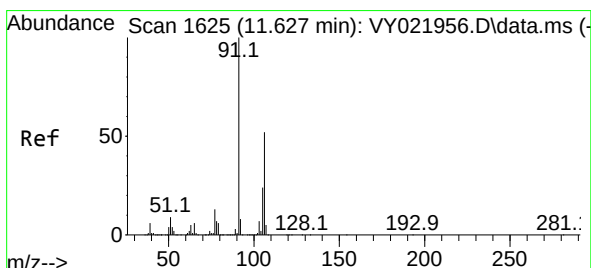
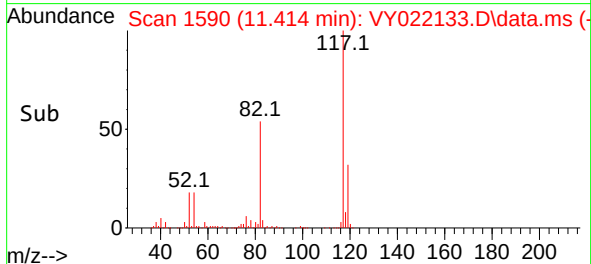
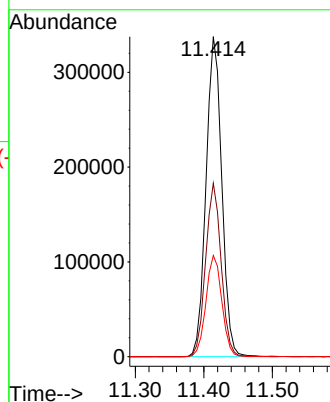
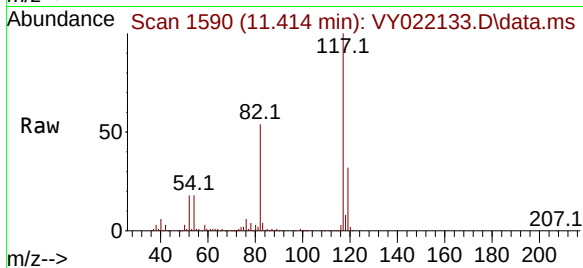




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

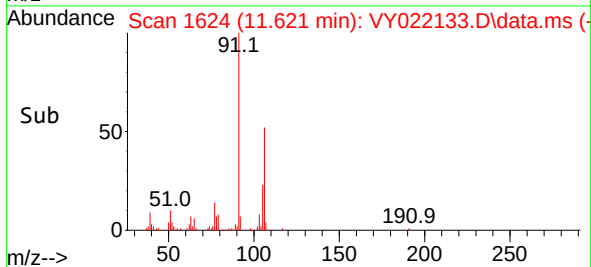
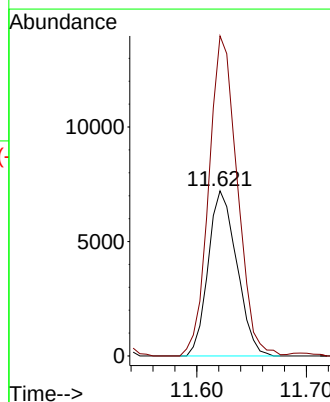
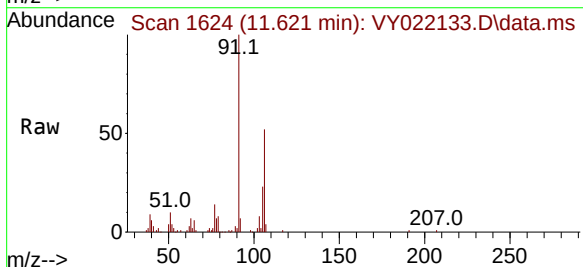
Instrument :
MSVOA_Y
ClientSampleId :
GB1B

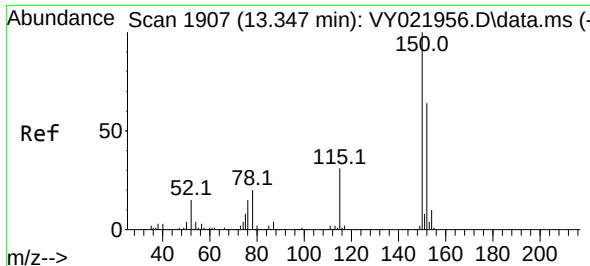
Tgt Ion:117 Resp: 540276
Ion Ratio Lower Upper
117 100
82 54.2 42.1 63.1
119 31.6 25.7 38.5



#68
m/p-Xylenes
Concen: 1.664 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion:106 Resp: 13088
Ion Ratio Lower Upper
106 100
91 192.7 156.2 234.2

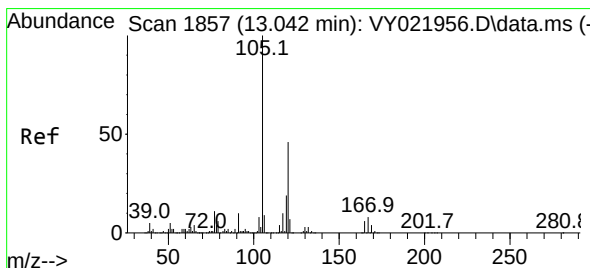
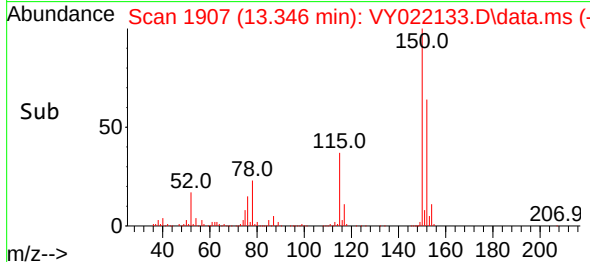
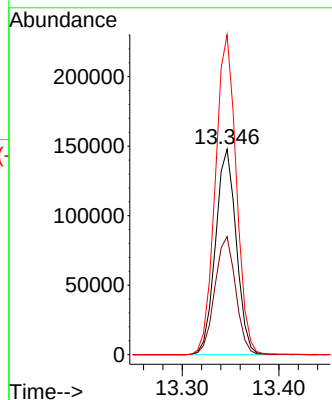
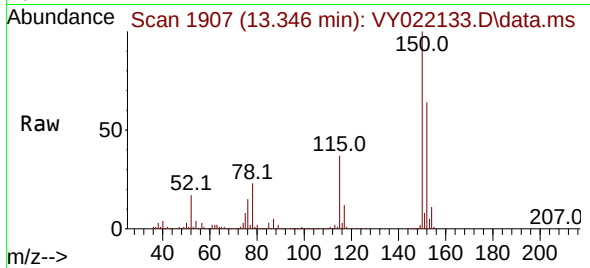




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022133.D
 Acq: 02 May 2025 16:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1B

Tgt Ion:152 Resp: 220532
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.0 84.0
 150 157.3 0.0 345.6



#84
 1,2,4-Trimethylbenzene
 Concen: 1.238 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. -0.000 min
 Lab File: VY022133.D
 Acq: 02 May 2025 16:48

Tgt Ion:105 Resp: 15035
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.4 70.0

