

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
 Data File : VY021010.D
 Acq On : 31 Jan 2025 15:22
 Operator : SY/MD
 Sample : Q1239-07RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 22:25:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 16:50:06 2025
 Response via : Initial Calibration

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

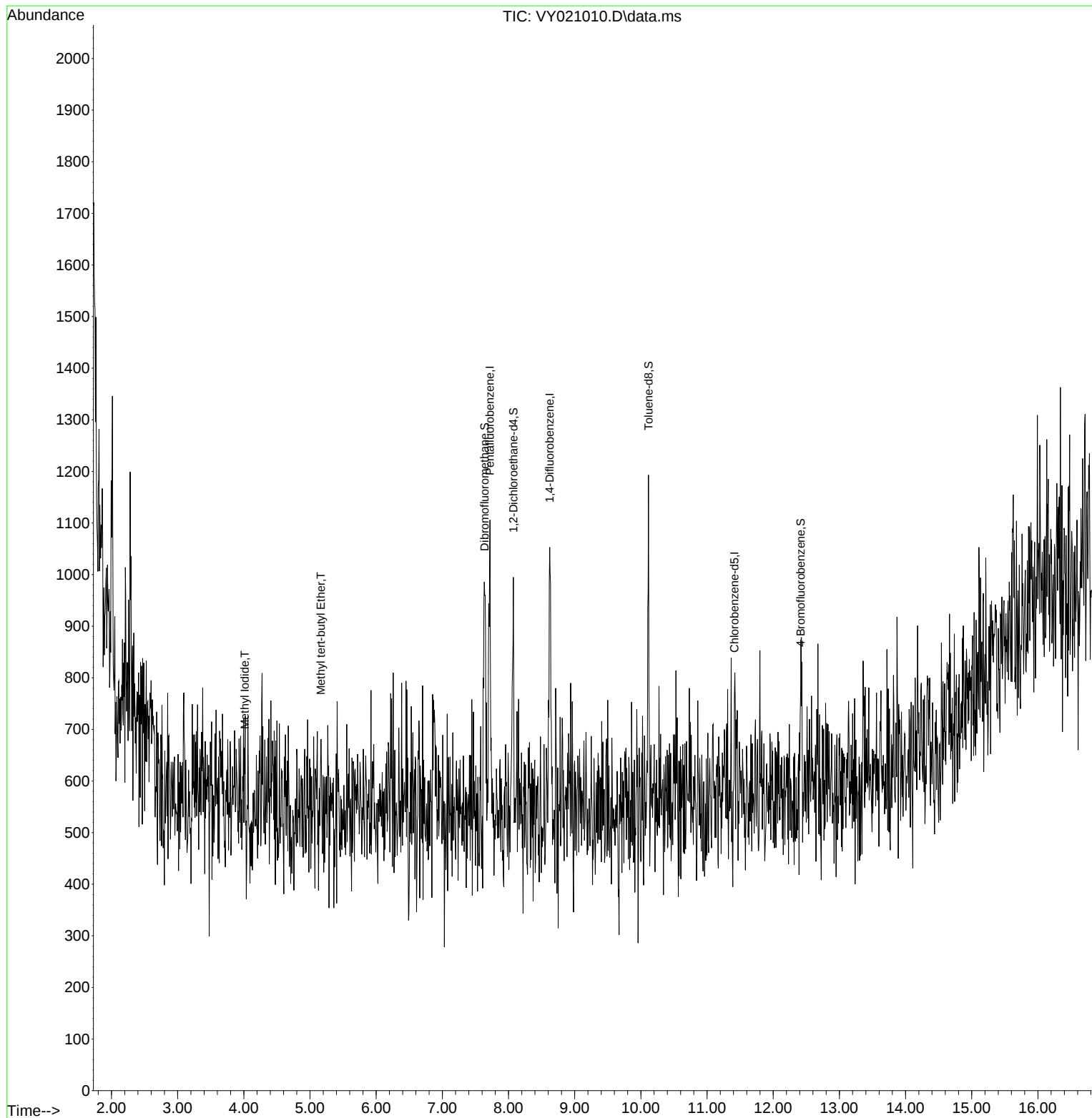
Internal Standards						
1) Pentafluorobenzene	7.719	168	649	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	888	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.35
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	301	54.473	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 108.940%		
35) Dibromofluoromethane	7.640	113	374	70.057	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 140.120%		
50) Toluene-d8	10.115	98	402	19.293	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 38.580%#		
62) 4-Bromofluorobenzene	12.414	95	91	13.015	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	= 26.040%#		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.013	142	67	9.960	ug/l #	37
19) Methyl tert-butyl Ether	5.165	73	46	3.598	ug/l #	55

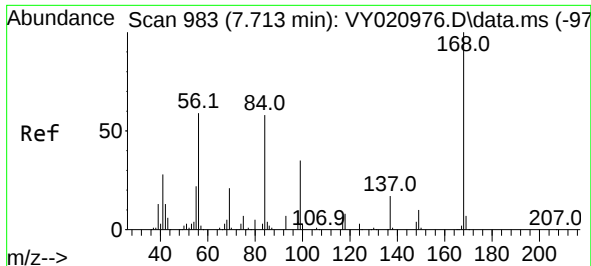
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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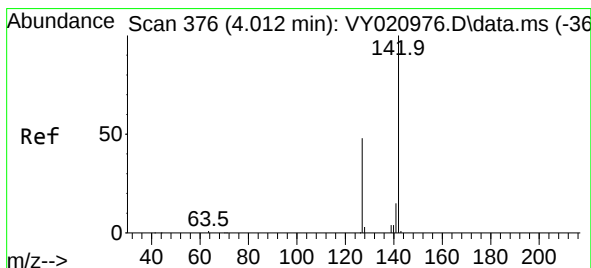
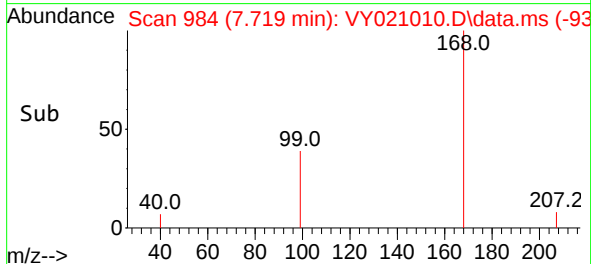
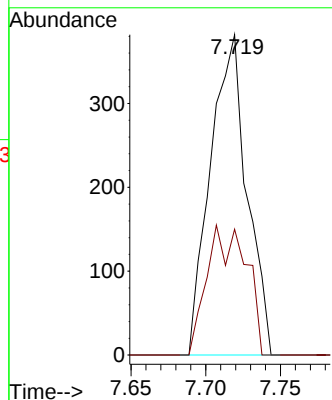
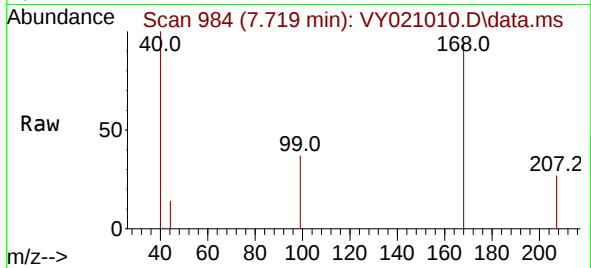




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021010.D
Acq: 31 Jan 2025 15:22

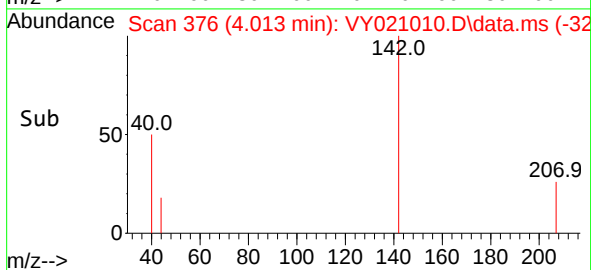
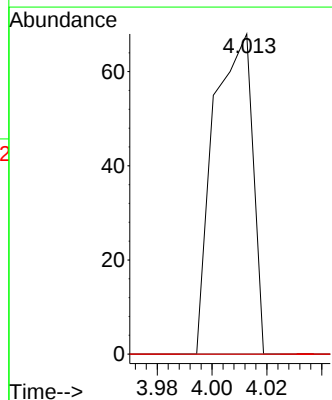
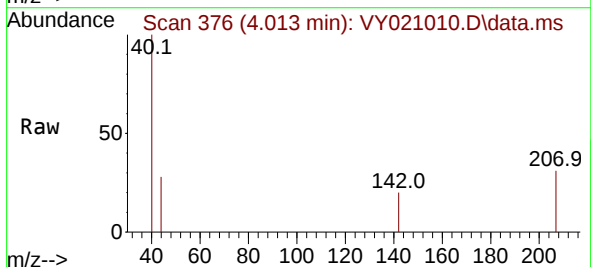
Instrument :
MSVOA_Y
ClientSampleId :

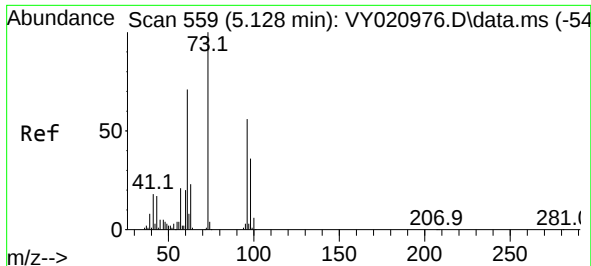
Tgt Ion:168 Resp: 649
Ion Ratio Lower Upper
168 100
99 39.3 42.2 63.2#



#10
Methyl Iodide
Concen: 9.960 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021010.D
Acq: 31 Jan 2025 15:22

Tgt Ion:142 Resp: 67
Ion Ratio Lower Upper
142 100
127 0.0 38.9 58.3#
141 0.0 11.7 17.5#





#19

Methyl tert-butyl Ether

Concen: 3.598 ug/l

RT: 5.165 min Scan# 5

Delta R.T. 0.037 min

Lab File: VY021010.D

Acq: 31 Jan 2025 15:22

Instrument :

MSVOA_Y

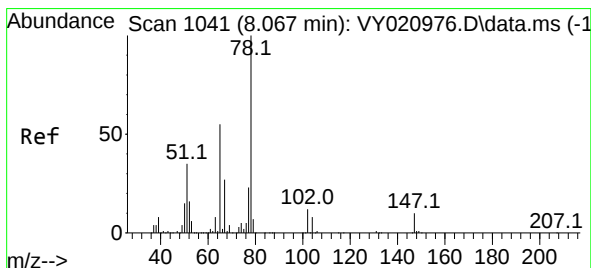
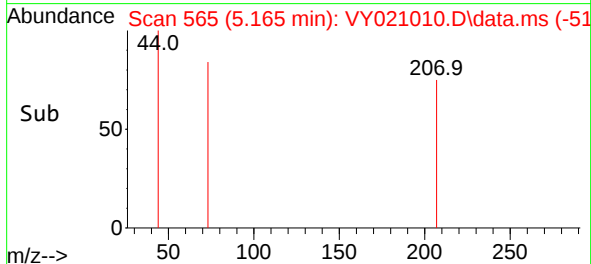
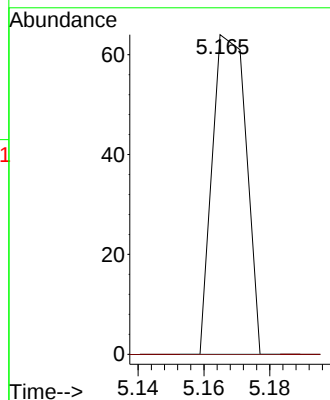
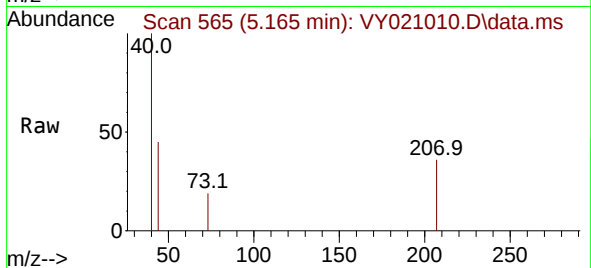
ClientSampleId :

Tgt Ion: 73 Resp: 46

Ion Ratio Lower Upper

73 100

57 0.0 16.6 25.0#



#33

1,2-Dichloroethane-d4

Concen: 54.473 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VY021010.D

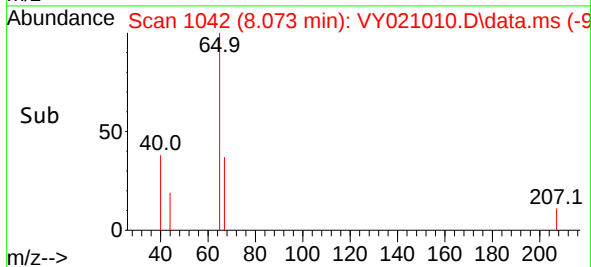
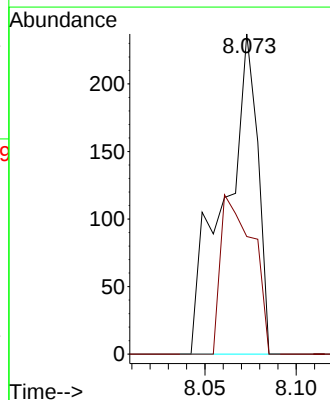
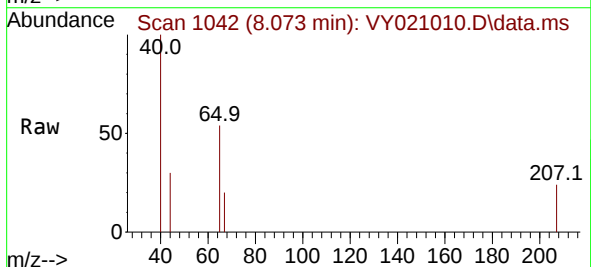
Acq: 31 Jan 2025 15:22

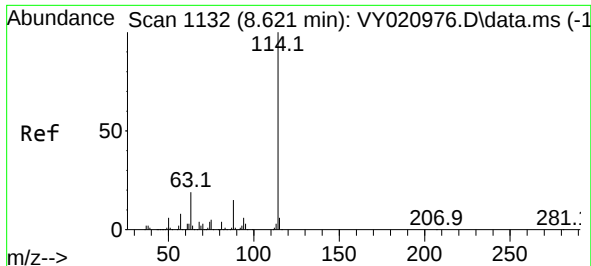
Tgt Ion: 65 Resp: 301

Ion Ratio Lower Upper

65 100

67 47.8 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.000 min

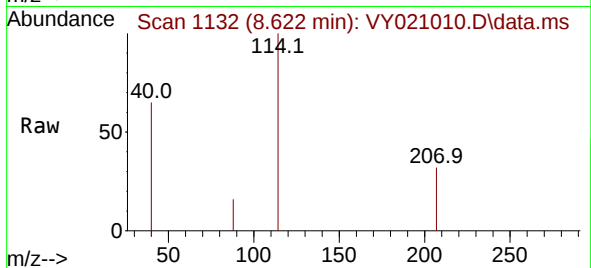
Lab File: VY021010.D

Acq: 31 Jan 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :



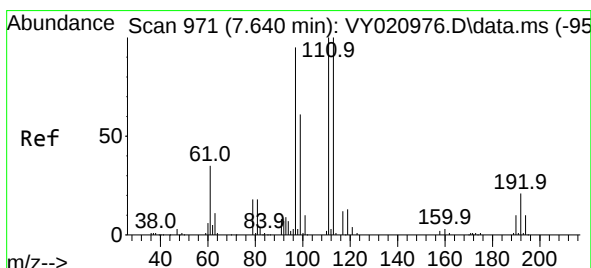
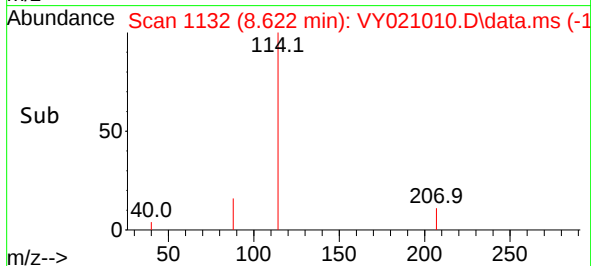
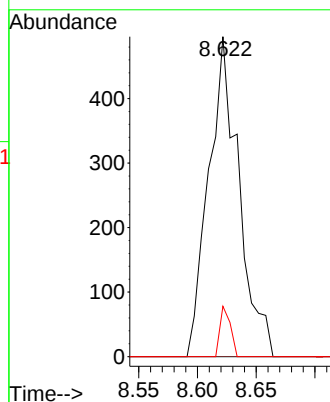
Tgt Ion:114 Resp: 888

Ion Ratio Lower Upper

114 100

63 0.0 0.0 37.2

88 15.7 0.0 29.6



#35

Dibromofluoromethane

Concen: 70.057 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY021010.D

Acq: 31 Jan 2025 15:22

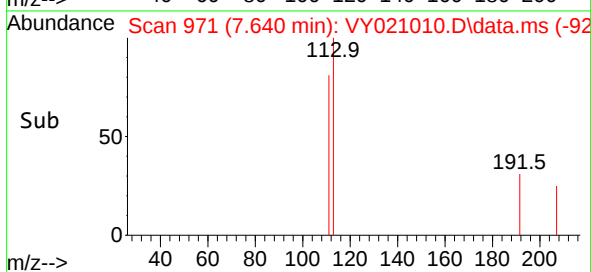
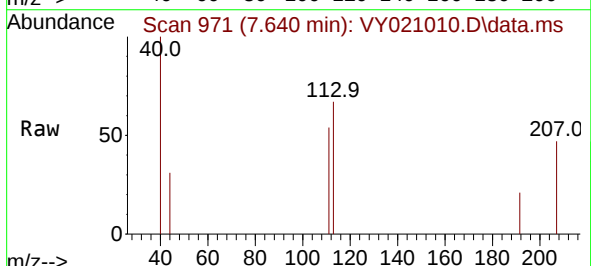
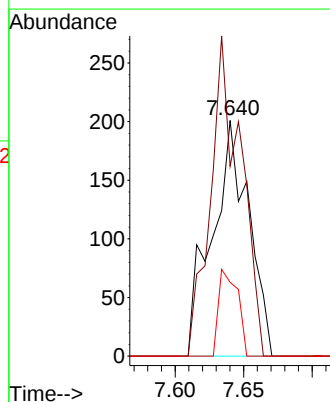
Tgt Ion:113 Resp: 374

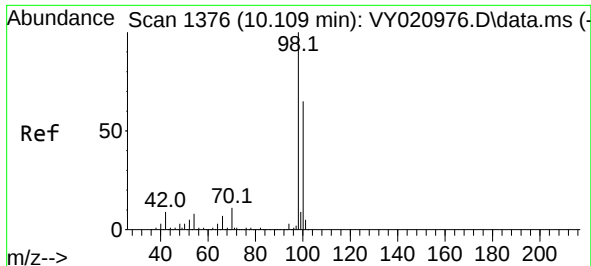
Ion Ratio Lower Upper

113 100

111 112.6 82.6 123.8

192 19.0 16.8 25.2

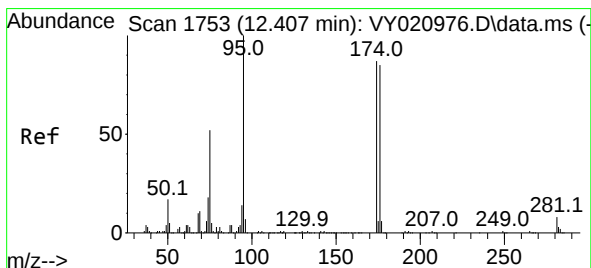
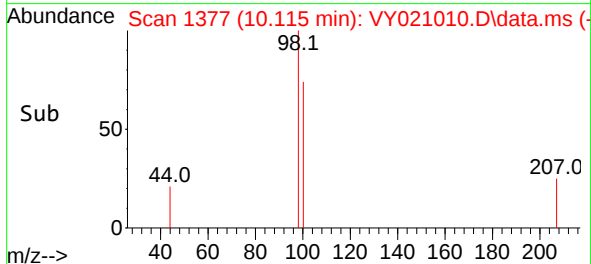
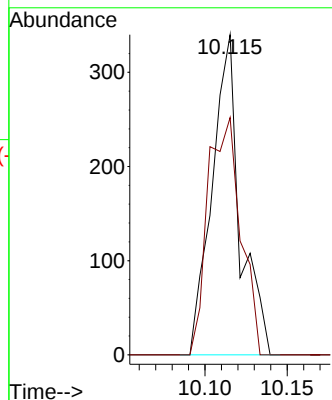
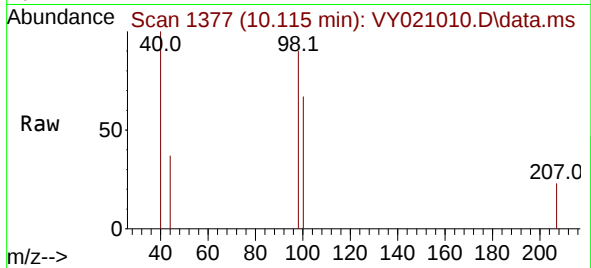




#50
Toluene-d8
Concen: 19.293 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021010.D
Acq: 31 Jan 2025 15:22

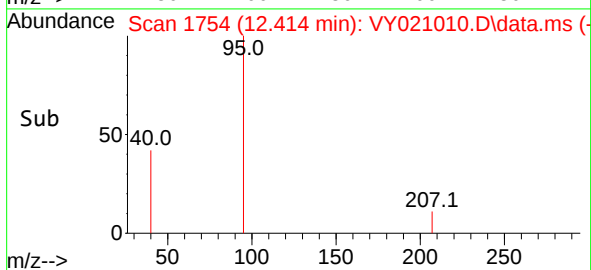
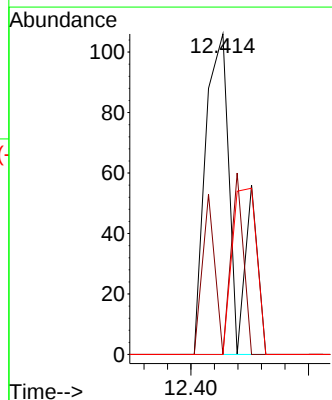
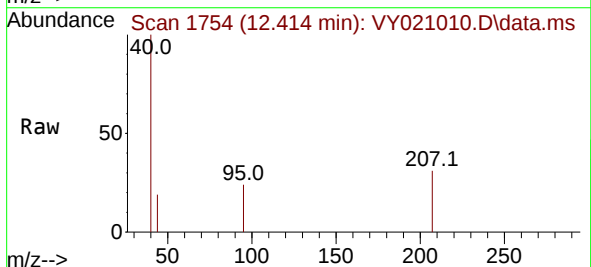
Instrument :
MSVOA_Y
ClientSampleId :

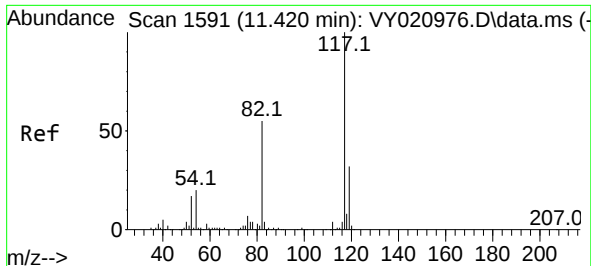
Tgt Ion: 98 Resp: 402
Ion Ratio Lower Upper
98 100
100 87.1 52.6 79.0#



#62
4-Bromofluorobenzene
Concen: 13.015 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021010.D
Acq: 31 Jan 2025 15:22

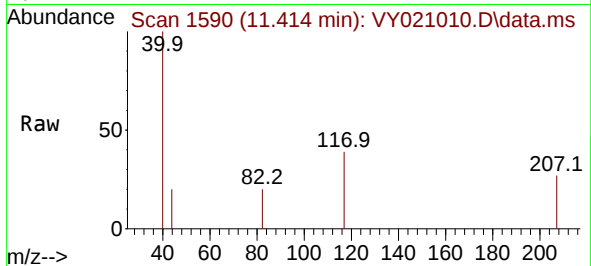
Tgt Ion: 95 Resp: 91
Ion Ratio Lower Upper
95 100
174 20.9 0.0 181.2
176 44.0 0.0 175.2



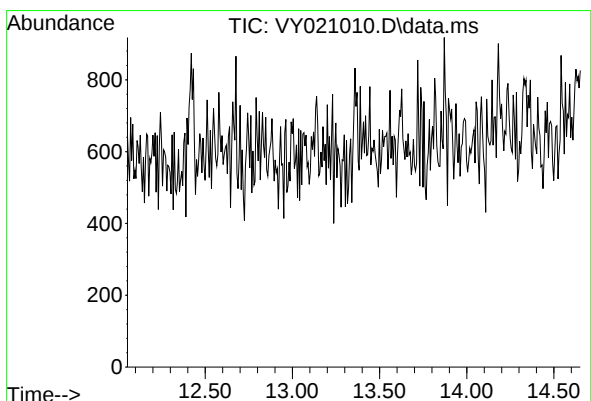
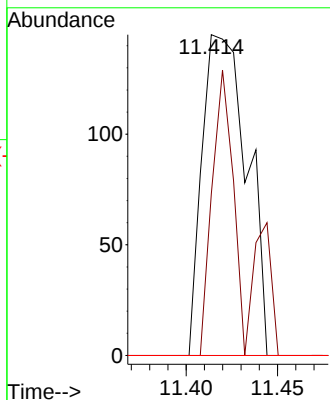
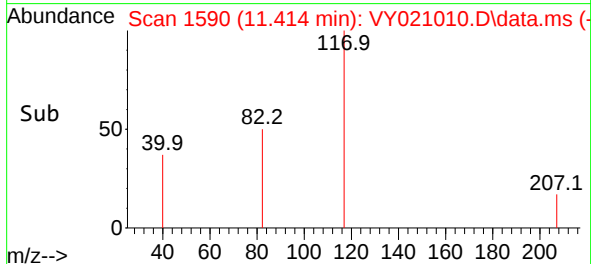


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021010.D
Acq: 31 Jan 2025 15:22

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:117 Resp: 248
Ion Ratio Lower Upper
117 100
82 50.3 44.2 66.2
119 0.0 25.9 38.9#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.35 min

Lab File: VY021010.D
Acq: 31 Jan 2025 15:22

Tgt Ion: 152
Sig Exp Ratio
152 100
115 56.8
150 171.4

