

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022790.D
 Acq On : 24 Jun 2025 12:22
 Operator : SY/MD
 Sample : Q2383-01RE
 Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-5376RE

Quant Time: Jun 25 01:23:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

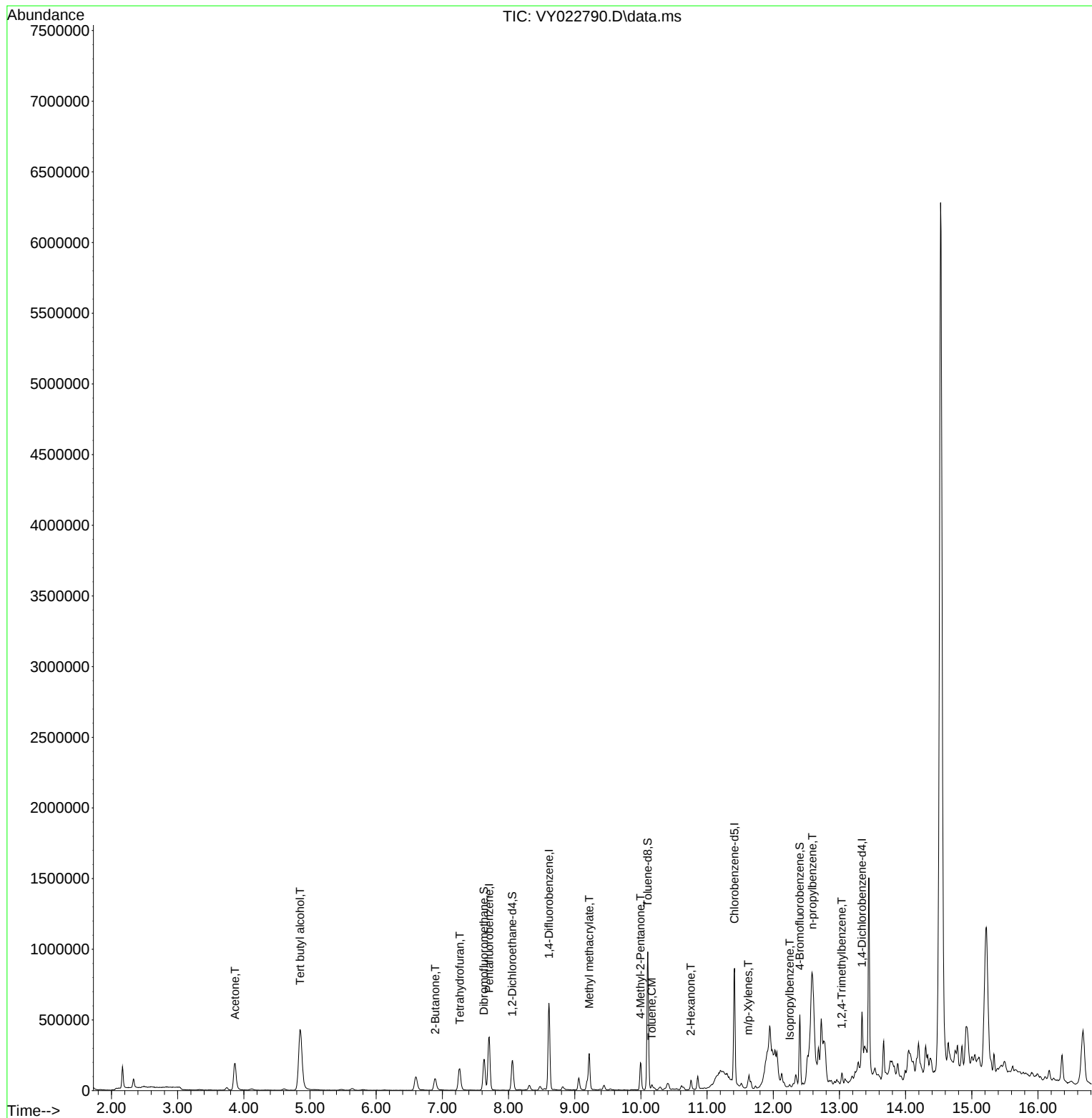
Internal Standards						
1) Pentafluorobenzene	7.707	168	290348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	513250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	404670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	101333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	164253	50.686	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.380%	
35) Dibromofluoromethane	7.628	113	158404	50.749	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.500%	
50) Toluene-d8	10.103	98	603630	48.735	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.480%	
62) 4-Bromofluorobenzene	12.402	95	146161	36.708	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 73.420%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	902855	4190.063	ug/l	99
16) Acetone	3.867	43	351600	574.046	ug/l	97
25) 2-Butanone	6.890	43	135722	152.251	ug/l	99
29) Tetrahydrofuran	7.262	42	121500	215.849	ug/l	98
48) Methyl methacrylate	9.219	41	126989	62.254	ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	122864	56.980	ug/l	96
52) Toluene	10.164	92	12222	1.332	ug/l	96
59) 2-Hexanone	10.756	43	39148	26.704	ug/l	95
68) m/p-Xylenes	11.621	106	12825	2.124	ug/l	92
73) Isopropylbenzene	12.249	105	11329	1.512	ug/l	96
78) n-propylbenzene	12.591	91	14928	1.650	ug/l	92
84) 1,2,4-Trimethylbenzene	13.036	105	38840	6.412	ug/l	97

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

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Response via : Initial Calibration

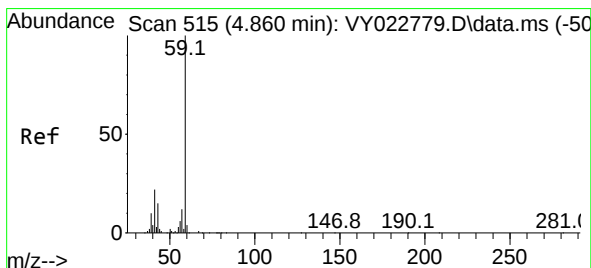
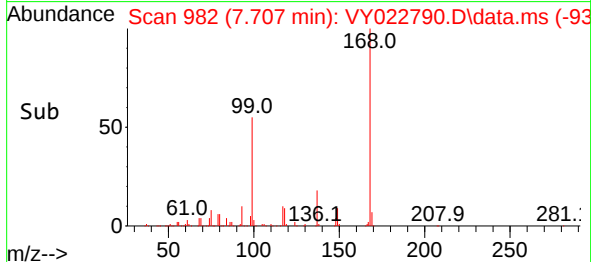
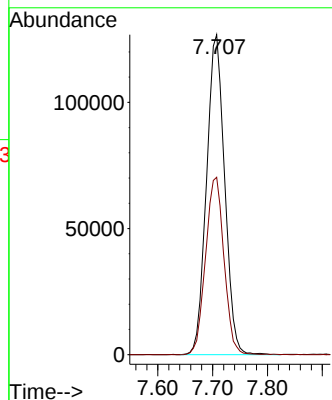
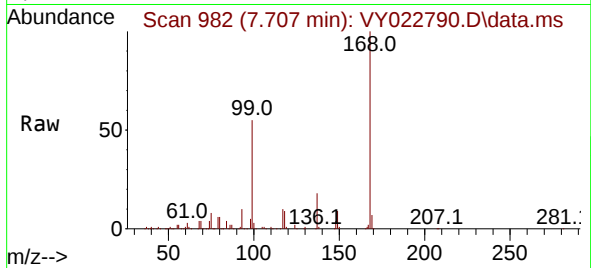




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022790.D
Acq: 24 Jun 2025 12:22

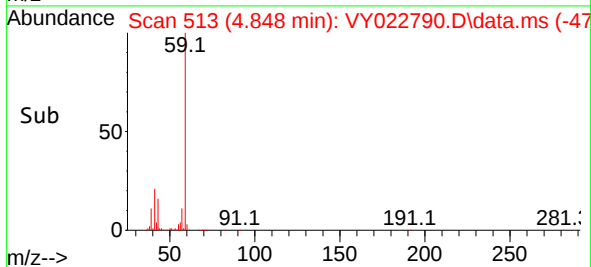
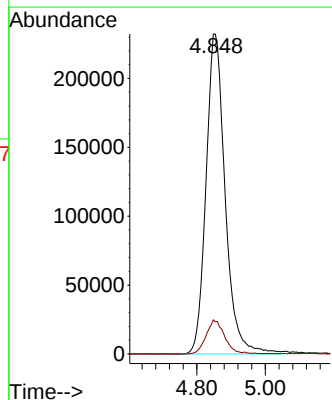
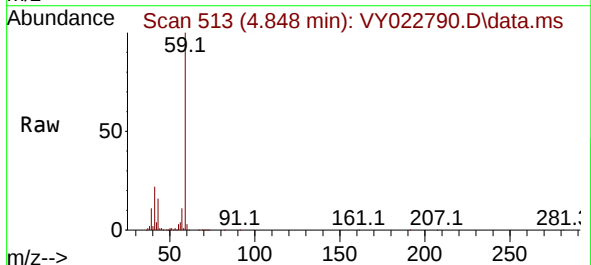
Instrument :
MSVOA_Y
ClientSampleId :
RT-5376RE

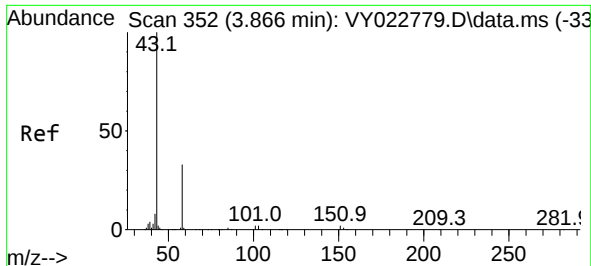
Tgt Ion:168 Resp: 290348
Ion Ratio Lower Upper
168 100
99 55.5 44.3 66.5



#11
Tert butyl alcohol
Concen: 4190.063 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.037 min
Lab File: VY022790.D
Acq: 24 Jun 2025 12:22

Tgt Ion: 59 Resp: 902855
Ion Ratio Lower Upper
59 100
57 10.3 8.0 12.0

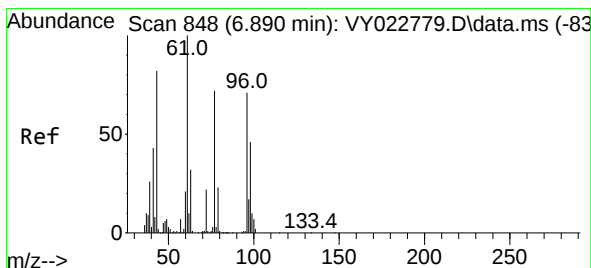
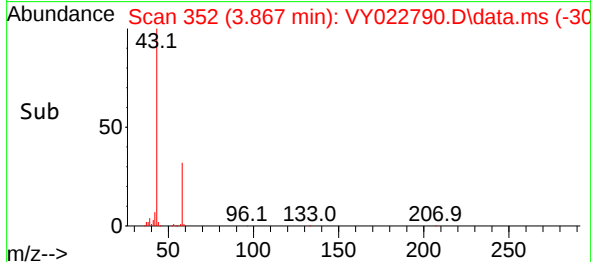
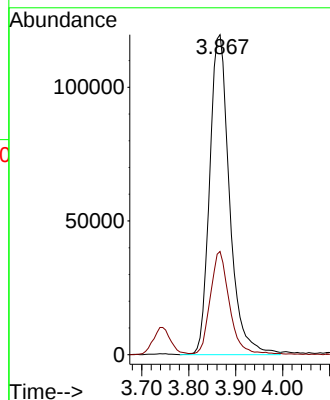
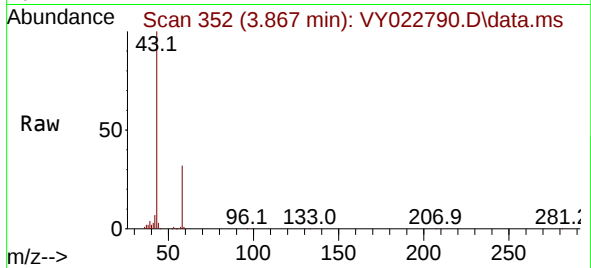




#16
Acetone
Concen: 574.046 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022790.D
Acq: 24 Jun 2025 12:22

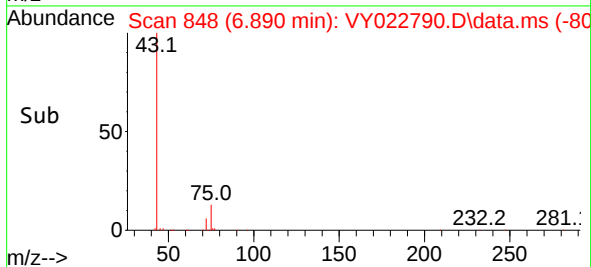
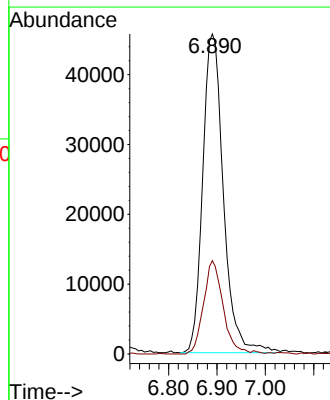
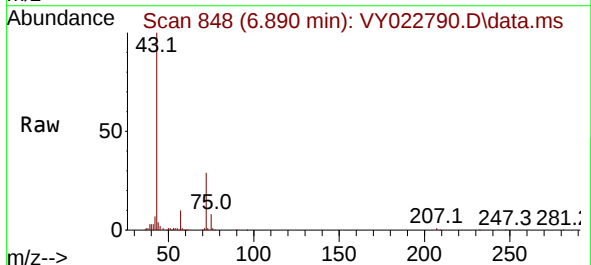
Instrument :
MSVOA_Y
ClientSampleId :
RT-5376RE

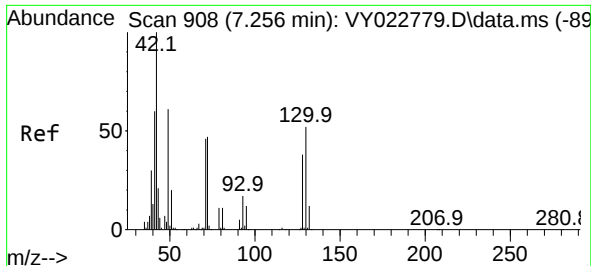
Tgt Ion: 43 Resp: 351600
Ion Ratio Lower Upper
43 100
58 31.9 24.0 36.0



#25
2-Butanone
Concen: 152.251 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022790.D
Acq: 24 Jun 2025 12:22

Tgt Ion: 43 Resp: 135722
Ion Ratio Lower Upper
43 100
72 29.3 22.9 34.3

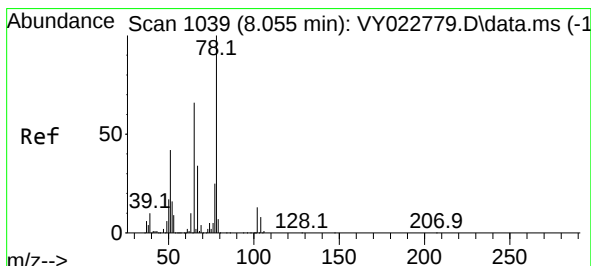
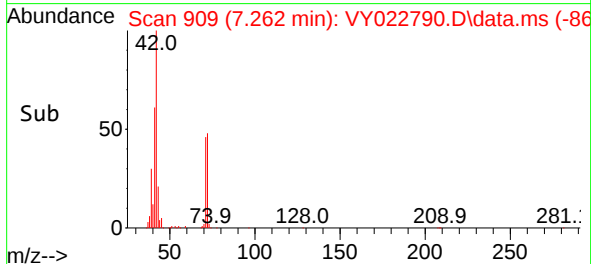
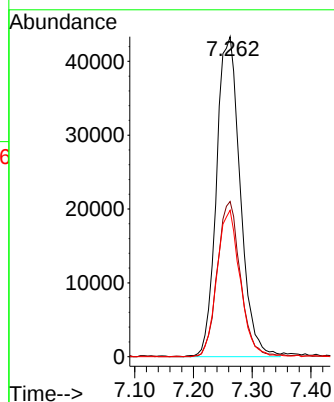
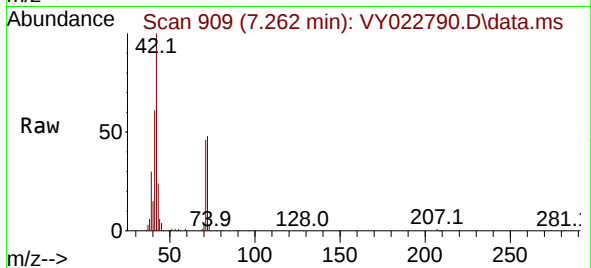




#29
Tetrahydrofuran
Concen: 215.849 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.006 min
Lab File: VY022790.D
Acq: 24 Jun 2025 12:22

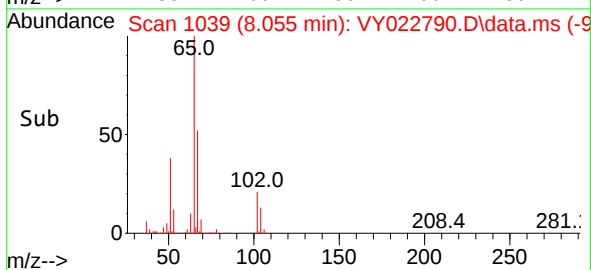
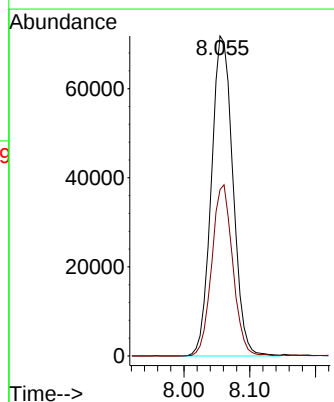
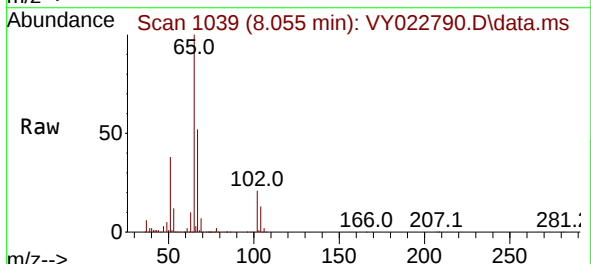
Instrument :
MSVOA_Y
ClientSampleId :
RT-5376RE

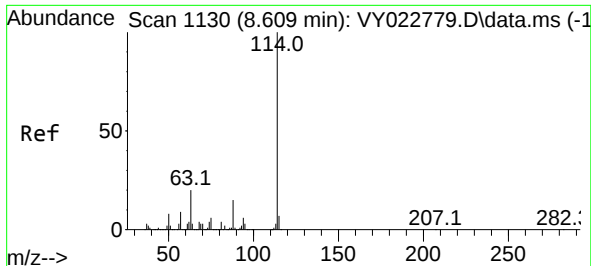
Tgt Ion: 42 Resp: 121500
Ion Ratio Lower Upper
42 100
72 47.4 37.4 56.2
71 44.9 34.2 51.2



#33
1,2-Dichloroethane-d4
Concen: 50.686 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022790.D
Acq: 24 Jun 2025 12:22

Tgt Ion: 65 Resp: 164253
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.4

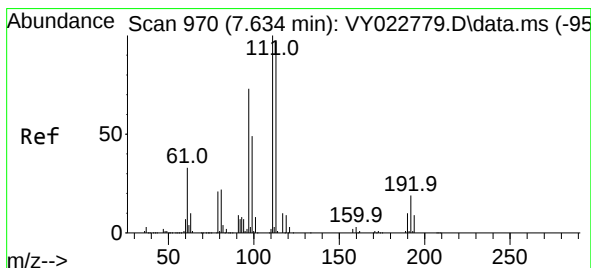
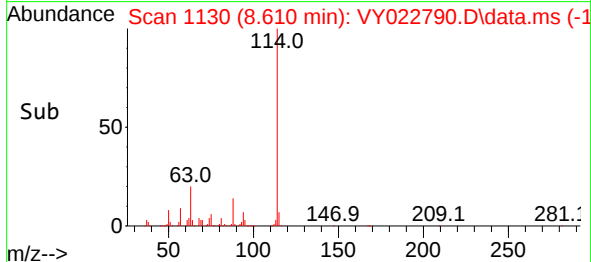
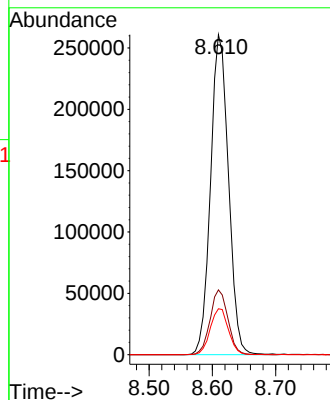
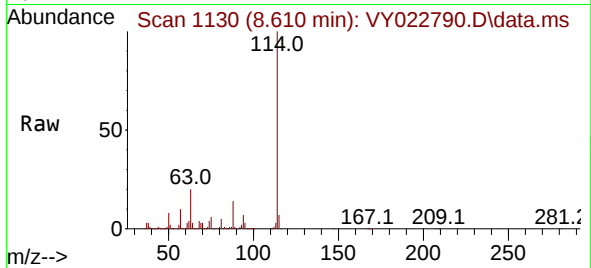




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022790.D
Acq: 24 Jun 2025 12:22

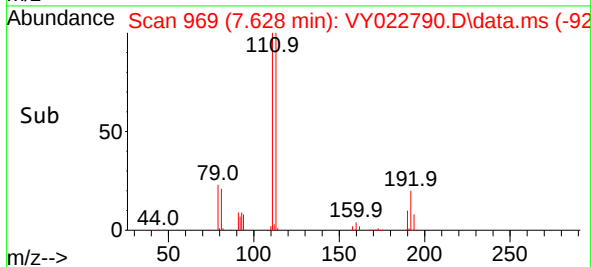
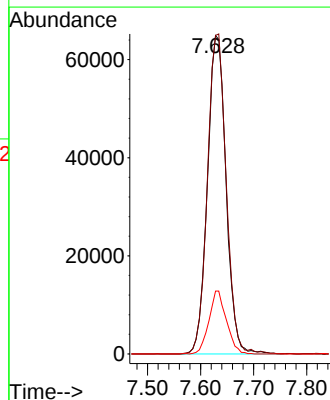
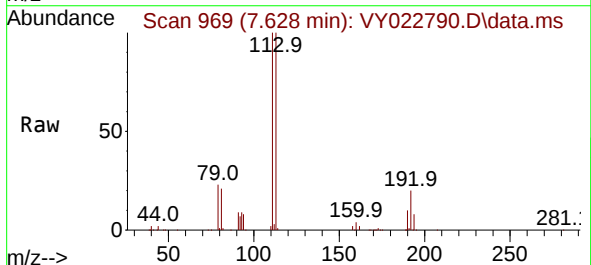
Instrument :
MSVOA_Y
ClientSampleId :
RT-5376RE

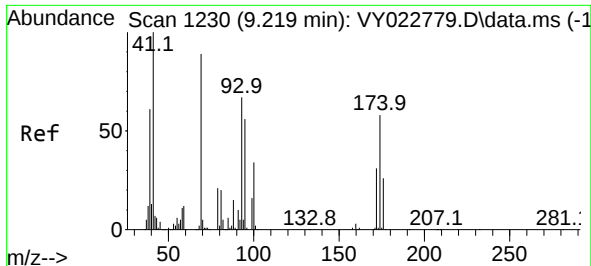
Tgt Ion:114 Resp: 513250
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 14.4 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.749 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022790.D
Acq: 24 Jun 2025 12:22

Tgt Ion:113 Resp: 158404
Ion Ratio Lower Upper
113 100
111 101.4 81.1 121.7
192 18.6 14.2 21.2





#48

Methyl methacrylate

Concen: 62.254 ug/l

RT: 9.219 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022790.D

Acq: 24 Jun 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

RT-5376RE

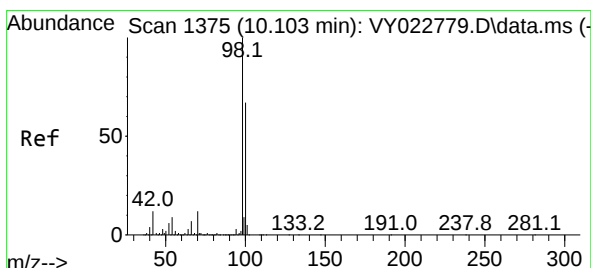
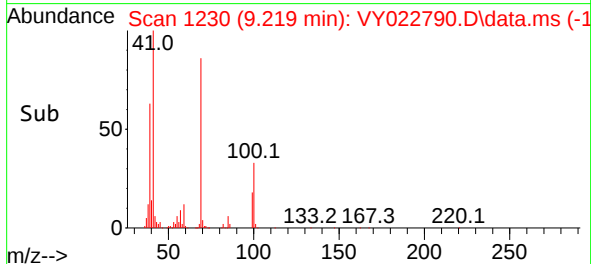
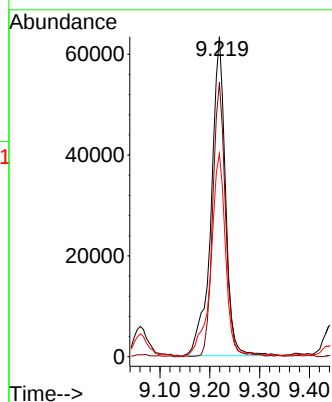
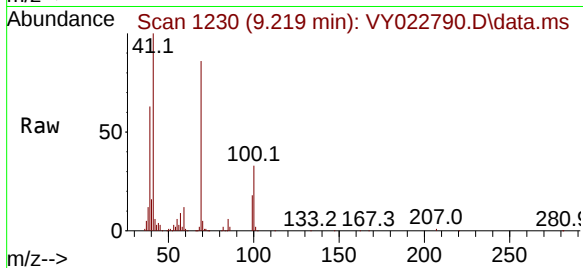
Tgt Ion: 41 Resp: 126989

Ion Ratio Lower Upper

41 100

69 75.3 67.8 101.8

39 64.7 55.0 82.4



#50

Toluene-d8

Concen: 48.735 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022790.D

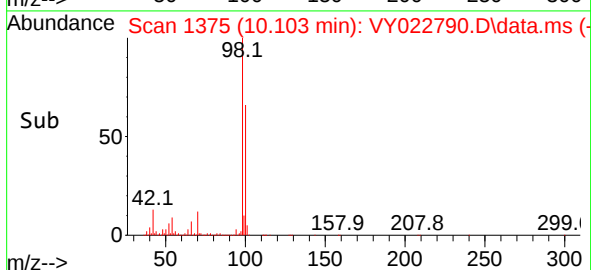
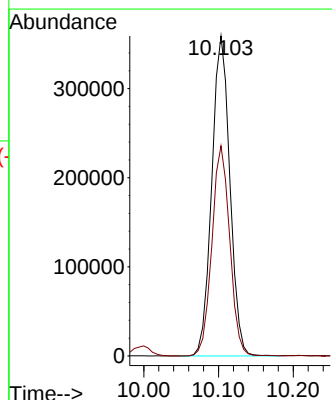
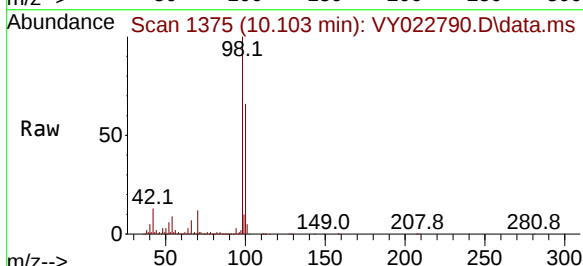
Acq: 24 Jun 2025 12:22

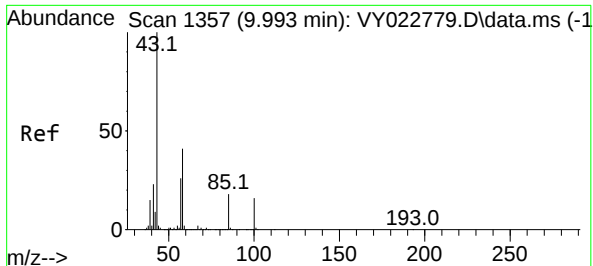
Tgt Ion: 98 Resp: 603630

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 56.980 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. -0.006 min

Lab File: VY022790.D

Acq: 24 Jun 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

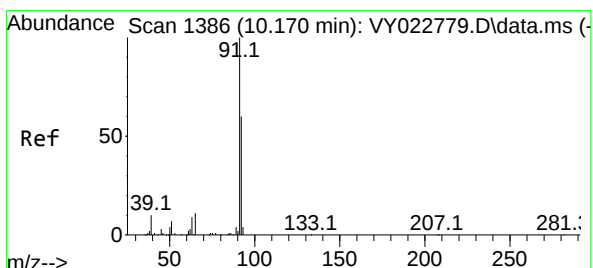
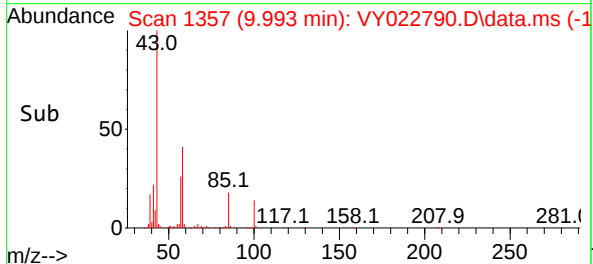
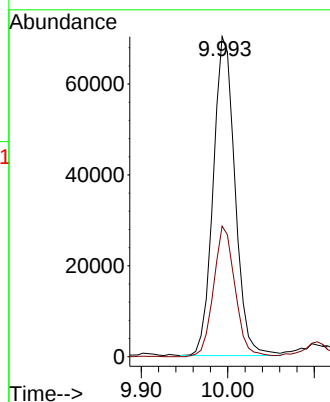
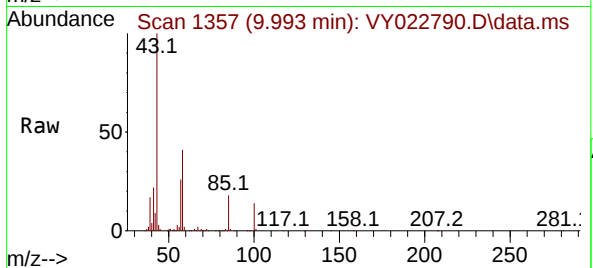
RT-5376RE

Tgt Ion: 43 Resp: 122864

Ion Ratio Lower Upper

43 100

58 40.3 30.4 45.6



#52

Toluene

Concen: 1.332 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. -0.012 min

Lab File: VY022790.D

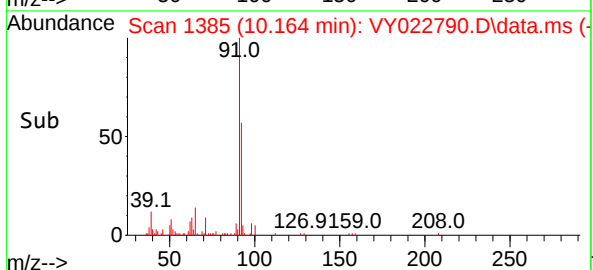
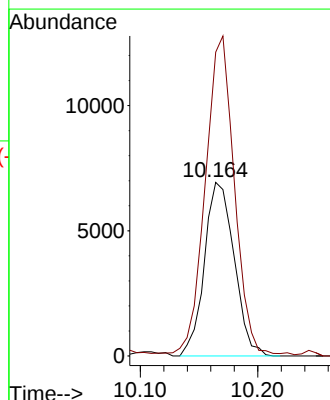
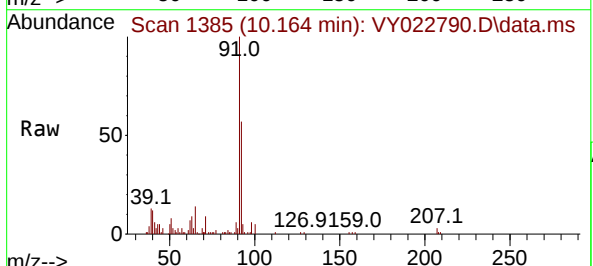
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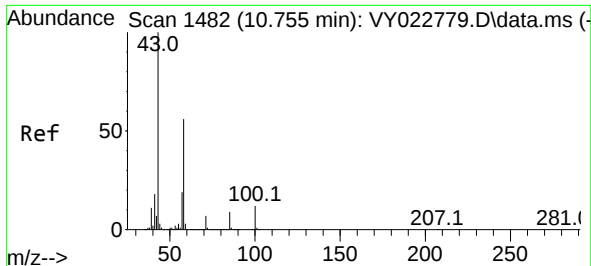
Tgt Ion: 92 Resp: 12222

Ion Ratio Lower Upper

92 100

91 178.7 139.0 208.4

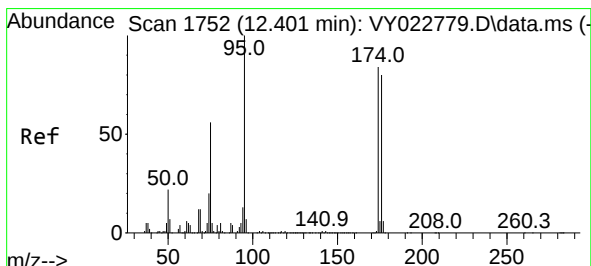
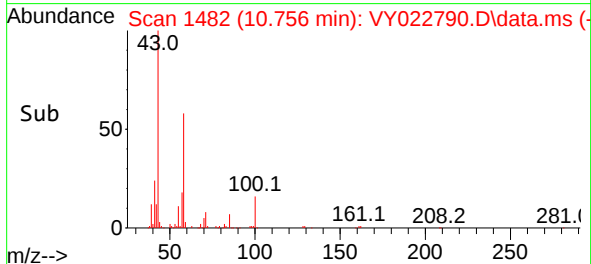
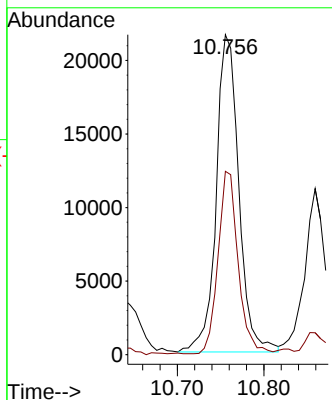
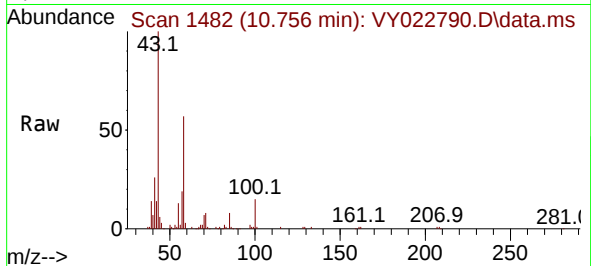




#59
2-Hexanone
Concen: 26.704 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. -0.006 min
Lab File: VY022790.D
Acq: 24 Jun 2025 12:22

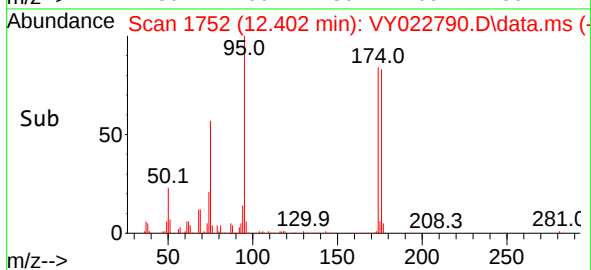
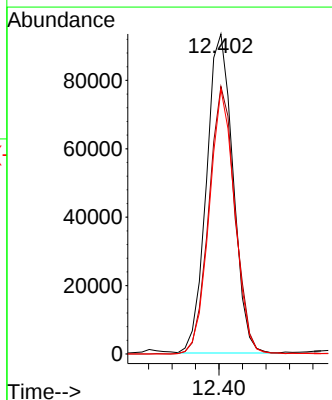
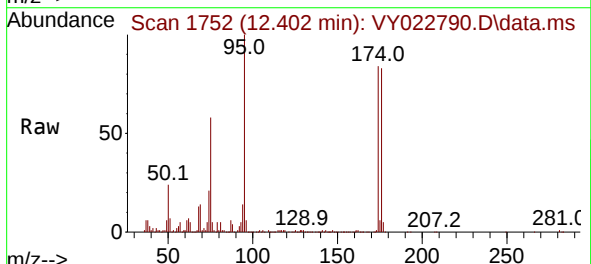
Instrument :
MSVOA_Y
ClientSampleId :
RT-5376RE

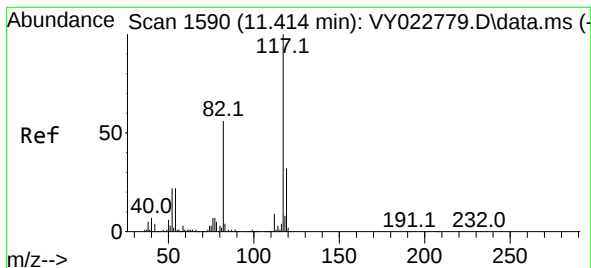
Tgt Ion: 43 Resp: 39148
Ion Ratio Lower Upper
43 100
58 51.1 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 36.708 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022790.D
Acq: 24 Jun 2025 12:22

Tgt Ion: 95 Resp: 146161
Ion Ratio Lower Upper
95 100
174 82.8 0.0 170.0
176 80.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022790.D

Acq: 24 Jun 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

RT-5376RE

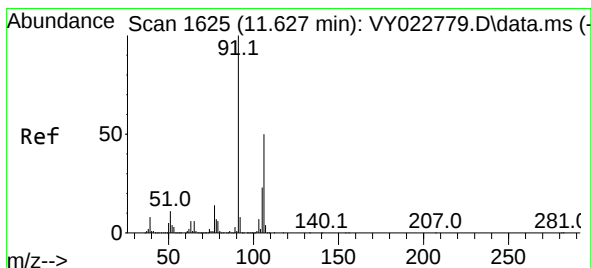
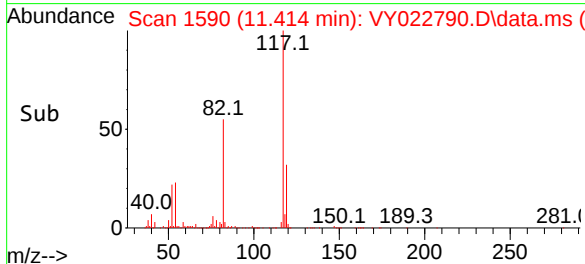
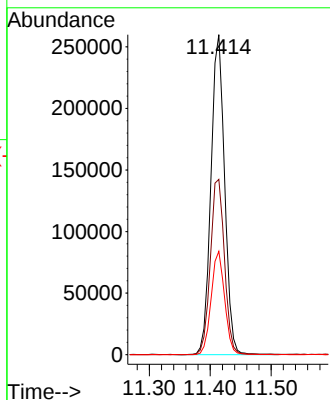
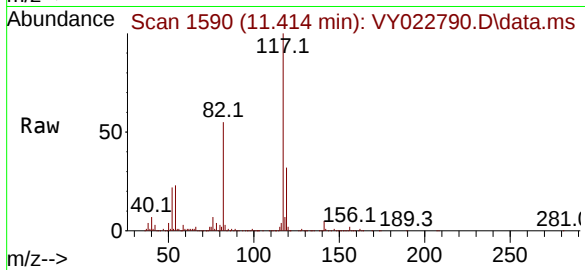
Tgt Ion:117 Resp: 404670

Ion Ratio Lower Upper

117 100

82 54.8 44.6 66.8

119 32.3 25.4 38.0



#68

m/p-Xylenes

Concen: 2.124 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.012 min

Lab File: VY022790.D

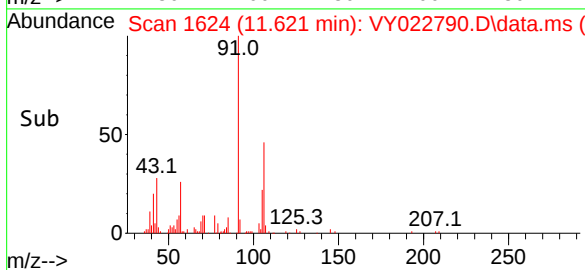
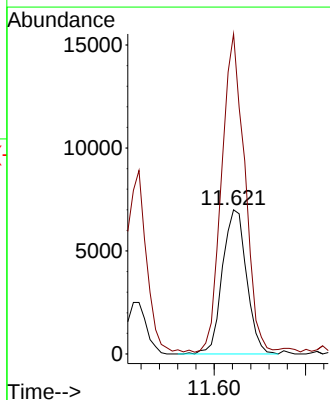
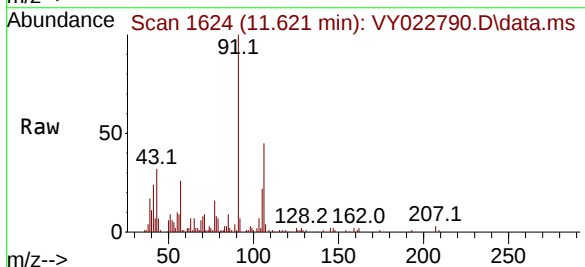
Acq: 24 Jun 2025 12:22

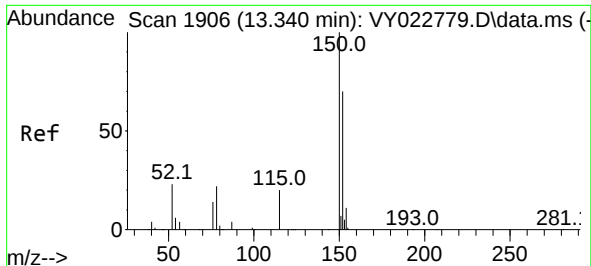
Tgt Ion:106 Resp: 12825

Ion Ratio Lower Upper

106 100

91 210.8 159.4 239.0

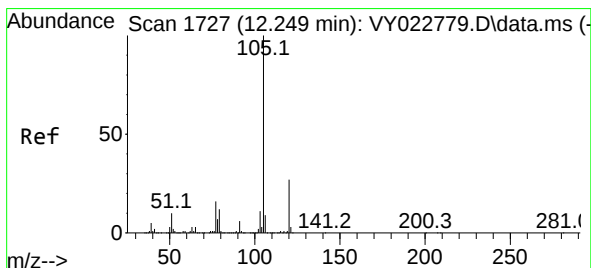
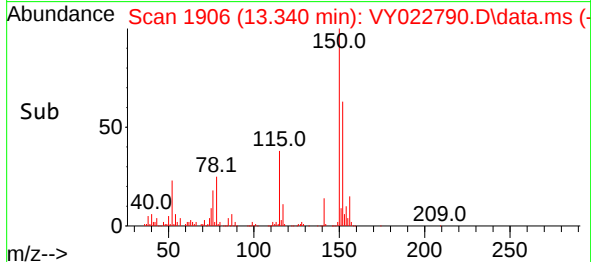
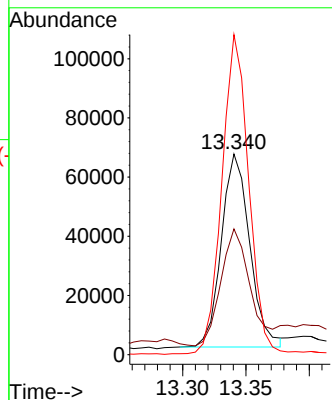
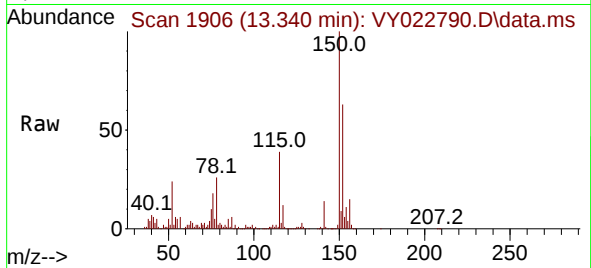




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022790.D
Acq: 24 Jun 2025 12:22

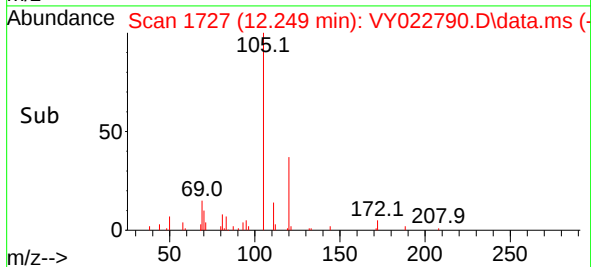
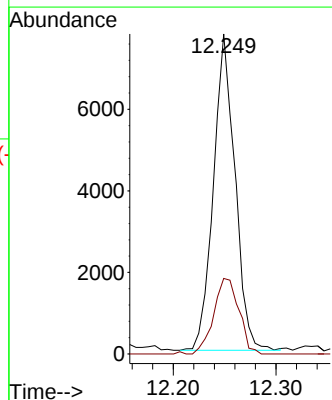
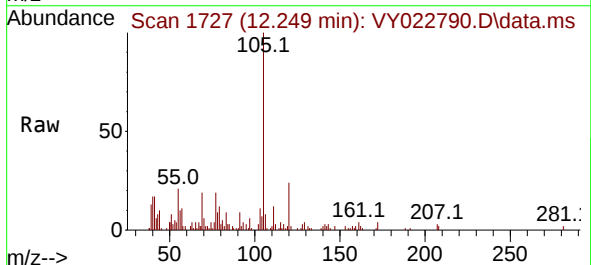
Instrument :
MSVOA_Y
ClientSampleId :
RT-5376RE

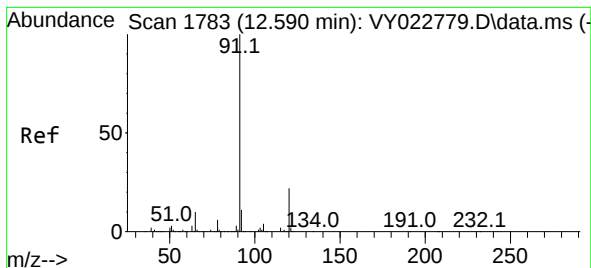
Tgt Ion:152 Resp: 101333
Ion Ratio Lower Upper
152 100
115 62.6 28.9 86.7
150 159.5 0.0 349.6



#73
Isopropylbenzene
Concen: 1.512 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. -0.006 min
Lab File: VY022790.D
Acq: 24 Jun 2025 12:22

Tgt Ion:105 Resp: 11329
Ion Ratio Lower Upper
105 100
120 27.9 13.0 38.9





#78

n-propylbenzene

Concen: 1.650 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY022790.D

Acq: 24 Jun 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

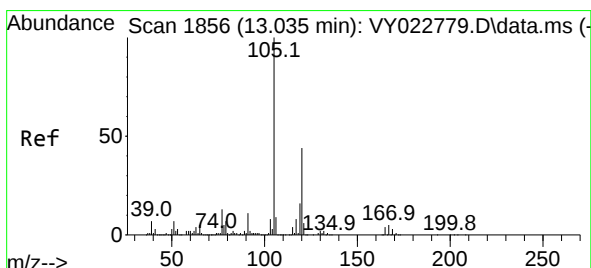
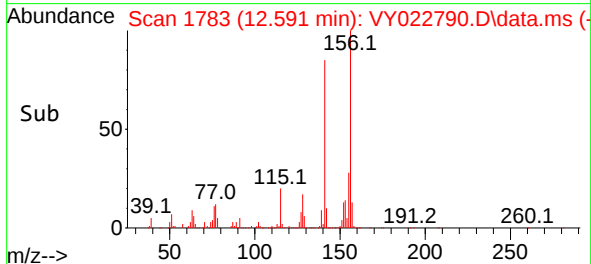
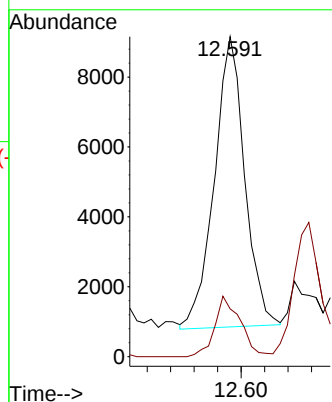
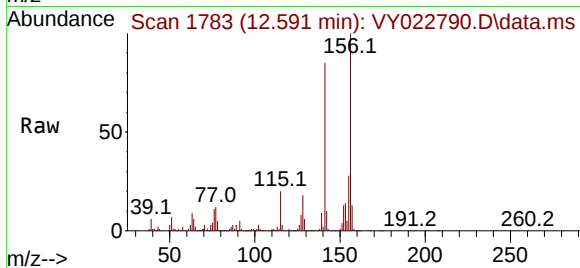
RT-5376RE

Tgt Ion: 91 Resp: 14928

Ion Ratio Lower Upper

91 100

120 17.8 10.8 32.4



#84

1,2,4-Trimethylbenzene

Concen: 6.412 ug/l

RT: 13.036 min Scan# 1856

Delta R.T. -0.006 min

Lab File: VY022790.D

Acq: 24 Jun 2025 12:22

Tgt Ion: 105 Resp: 38840

Ion Ratio Lower Upper

105 100

120 43.7 22.7 68.1

