

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022099.D
 Acq On : 01 May 2025 11:54
 Operator : SY/MD
 Sample : Q1920-01
 Misc : 5.57g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 291

Quant Time: May 01 12:57:07 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)

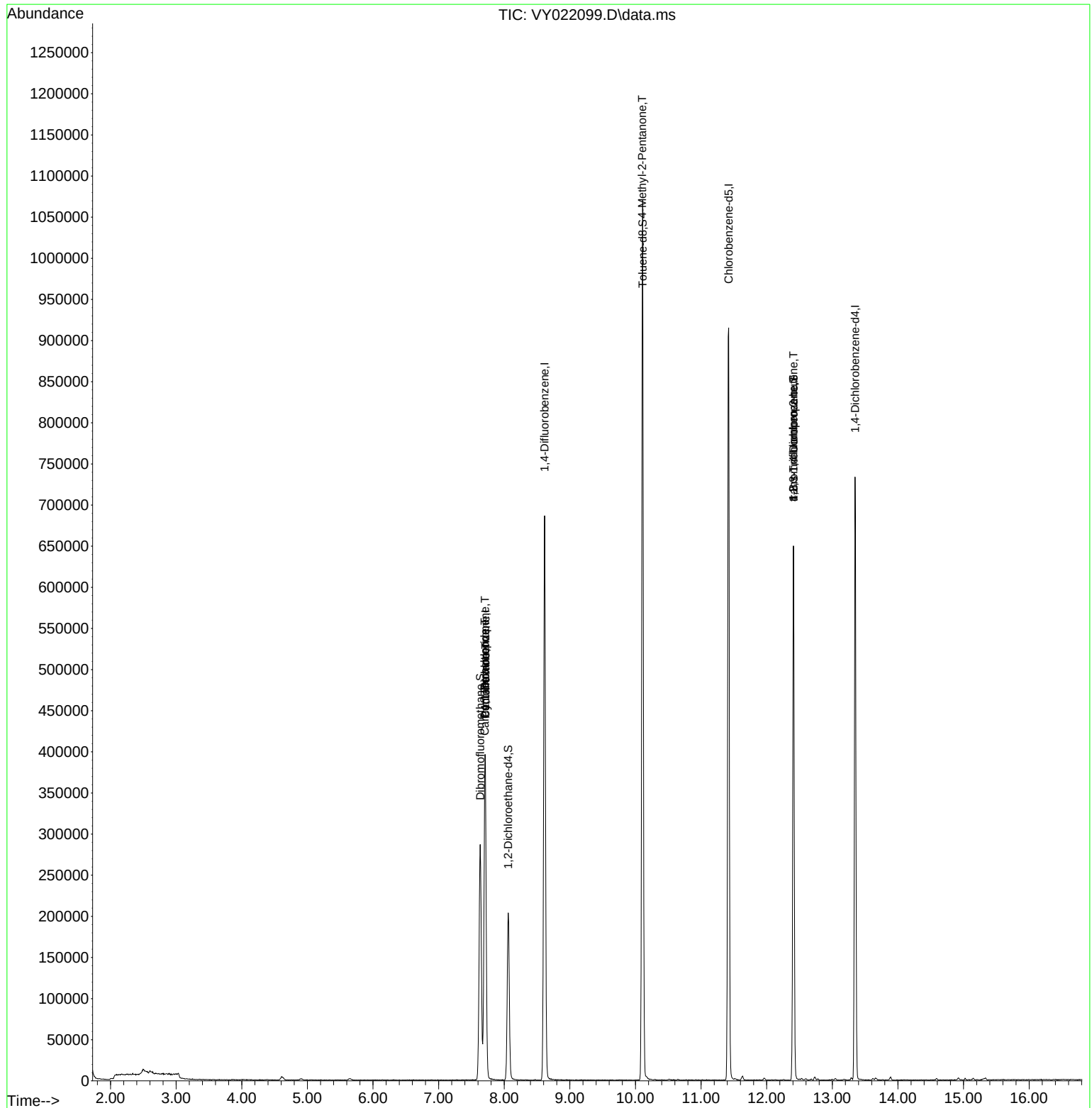
Internal Standards						
1) Pentafluorobenzene	7.713	168	320594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	604949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	533325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	194274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	161584	54.566	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.140%	
35) Dibromofluoromethane	7.634	113	204419	51.148	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.300%	
50) Toluene-d8	10.109	98	714174	47.399	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.800%	
62) 4-Bromofluorobenzene	12.408	95	196937	38.826	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.660%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	556	Below Cal	#	41
31) Cyclohexane	7.713	56	5556	1.135	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	22983	4.281	ug/l #	49
38) Carbon Tetrachloride	7.701	117	30716	4.788	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	2369	1.220	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	94812	56.977	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	94812	137.208	ug/l #	16

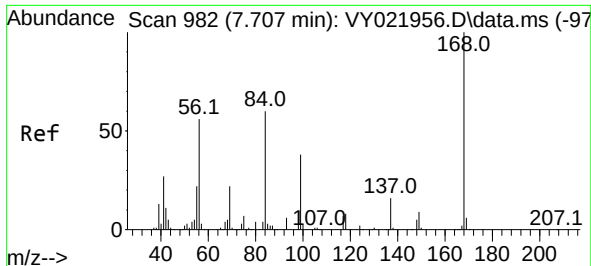
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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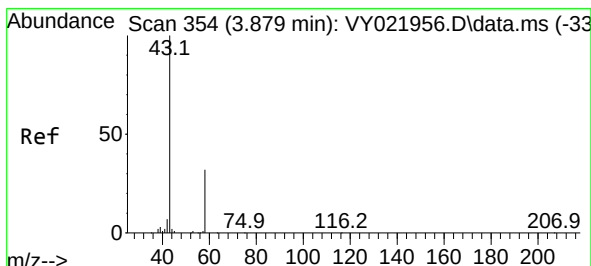
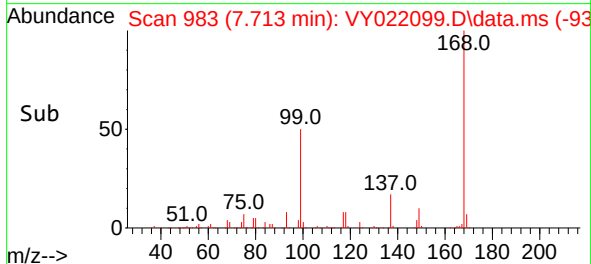
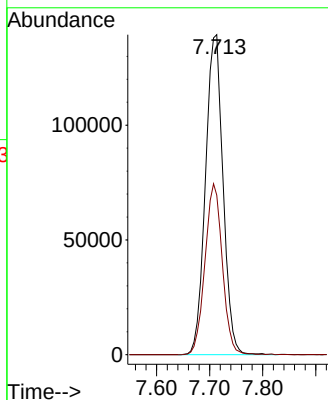
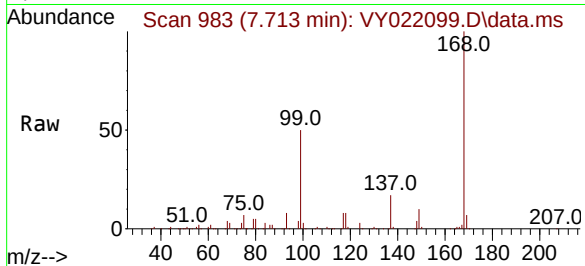




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022099.D
Acq: 01 May 2025 11:54

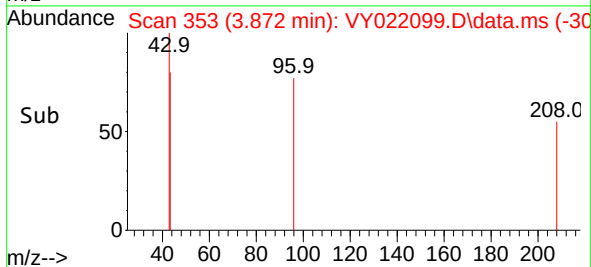
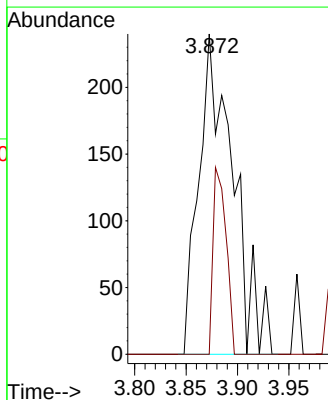
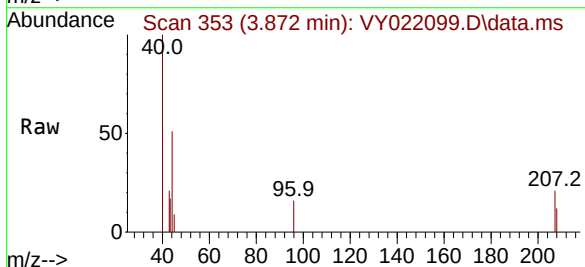
Instrument :
MSVOA_Y
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291

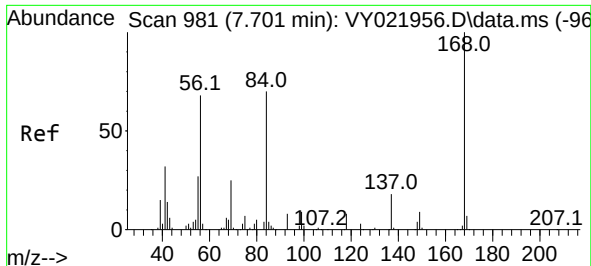
Tgt Ion:168 Resp: 320594
Ion Ratio Lower Upper
168 100
99 49.9 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022099.D
Acq: 01 May 2025 11:54

Tgt Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

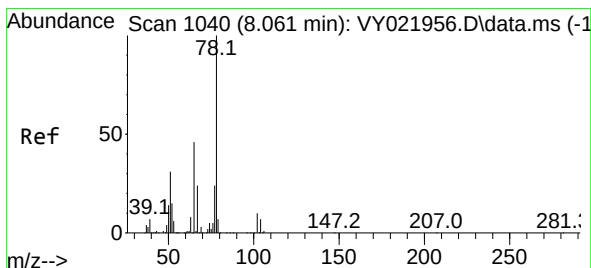
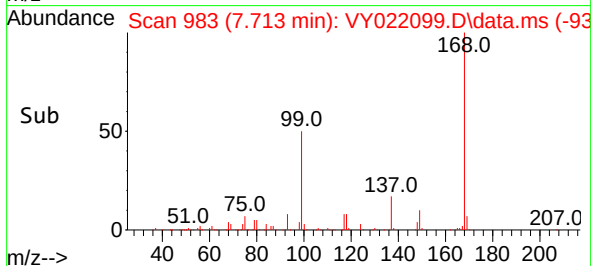
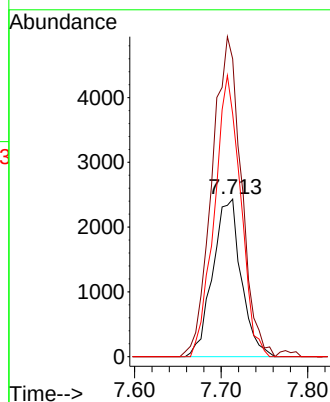
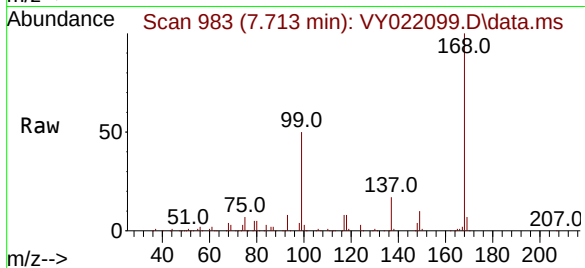




#31
Cyclohexane
Concen: 1.135 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022099.D
Acq: 01 May 2025 11:54

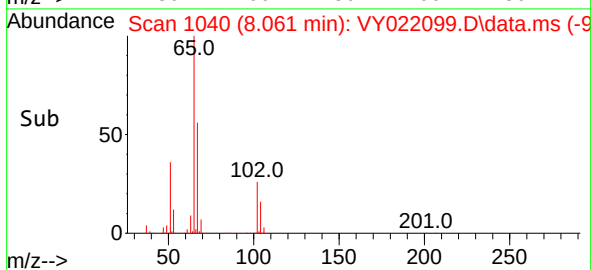
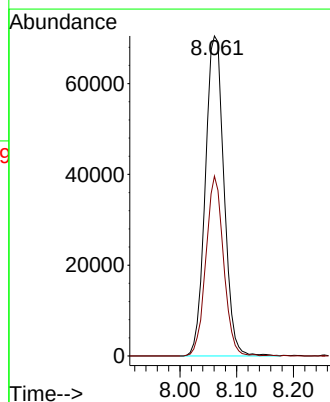
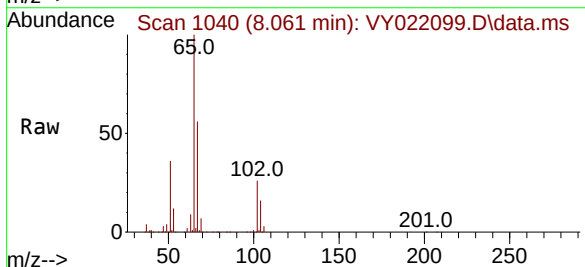
Instrument :
MSVOA_Y
ClientSampleId :
291

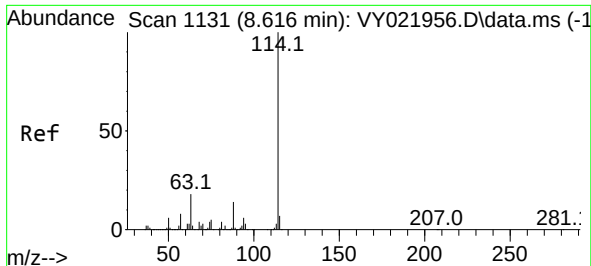
Tgt Ion: 56 Resp: 5556
Ion Ratio Lower Upper
56 100
69 188.8 29.4 44.2#
84 154.0 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 54.566 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022099.D
Acq: 01 May 2025 11:54

Tgt Ion: 65 Resp: 161584
Ion Ratio Lower Upper
65 100
67 53.2 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: VY022099.D

Acq: 01 May 2025 11:54

Instrument :

MSVOA_Y

ClientSampleId :

291

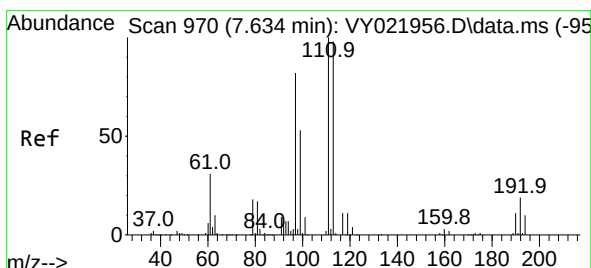
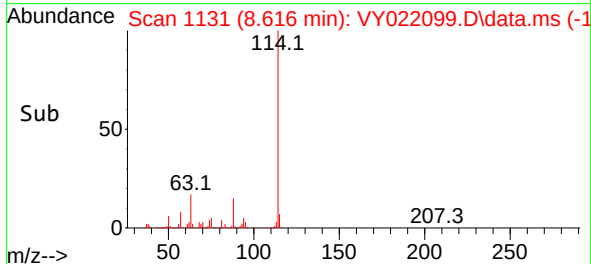
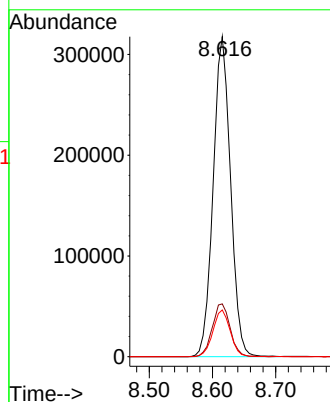
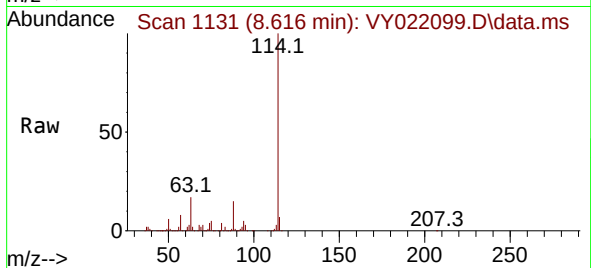
Tgt Ion:114 Resp: 604949

Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.4

88 14.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.148 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022099.D

Acq: 01 May 2025 11:54

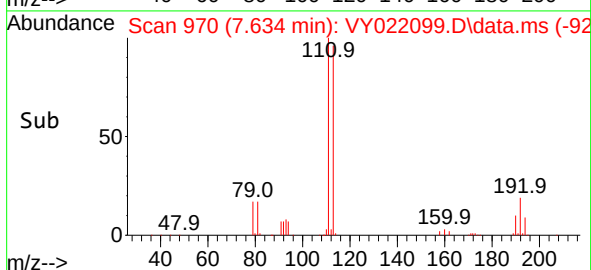
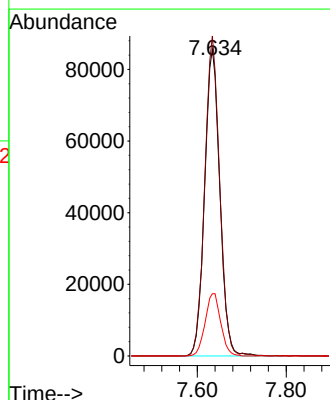
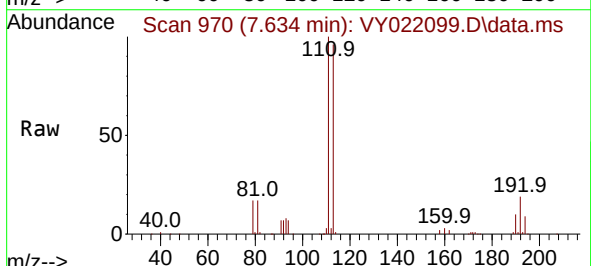
Tgt Ion:113 Resp: 204419

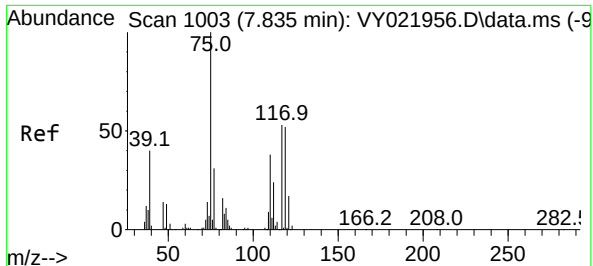
Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

192 20.8 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.281 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022099.D

Acq: 01 May 2025 11:54

Instrument :

MSVOA_Y

ClientSampleId :

291

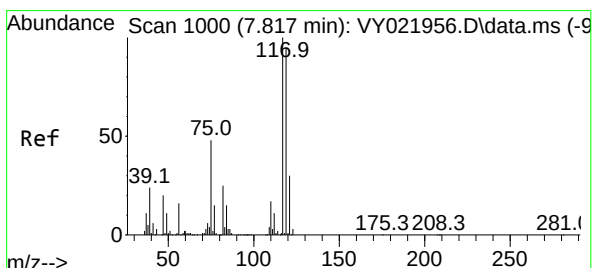
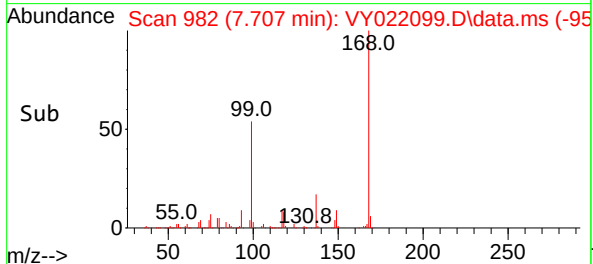
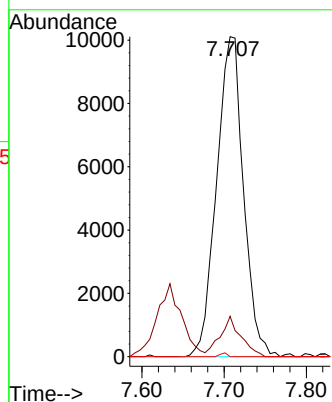
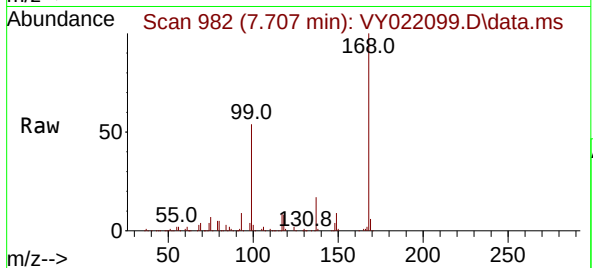
Tgt Ion: 75 Resp: 22983

Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.3#

77 0.3 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.788 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY022099.D

Acq: 01 May 2025 11:54

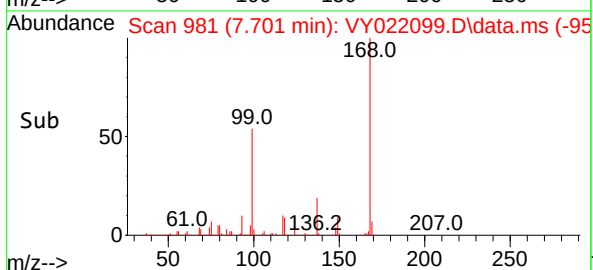
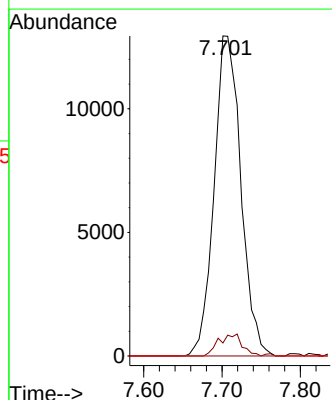
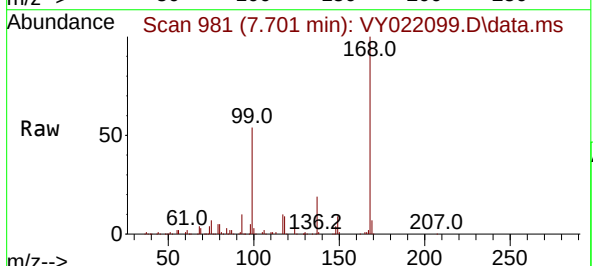
Tgt Ion: 117 Resp: 30716

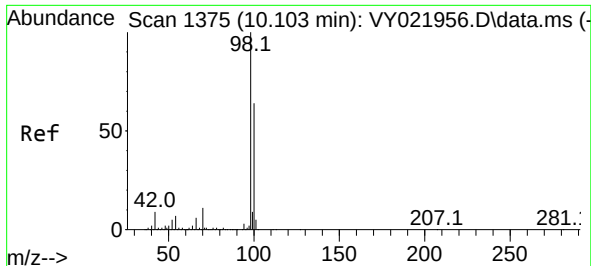
Ion Ratio Lower Upper

117 100

119 4.1 76.2 114.4#

121 0.0 24.0 36.0#

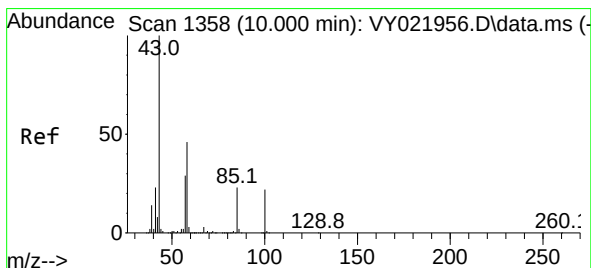
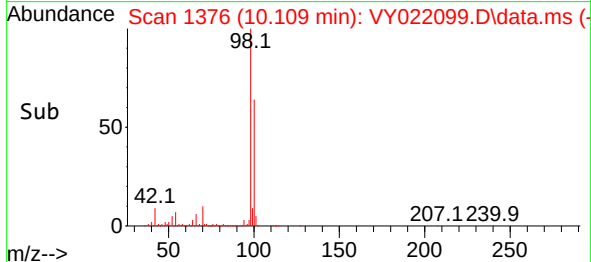
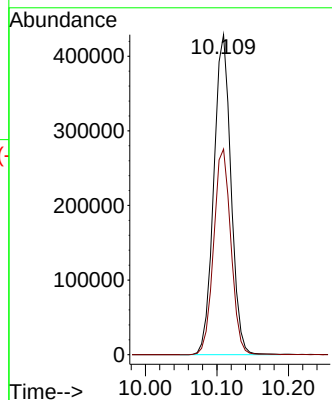
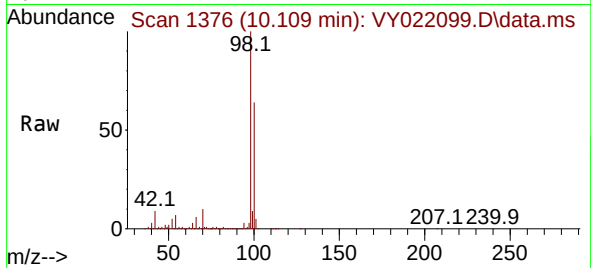




#50
Toluene-d8
Concen: 47.399 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022099.D
Acq: 01 May 2025 11:54

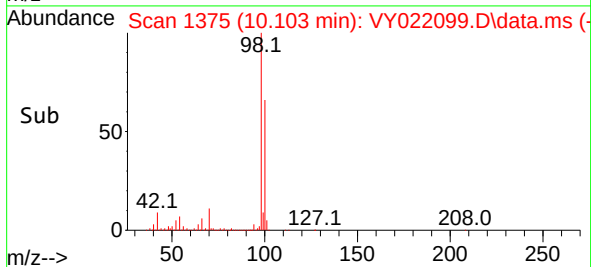
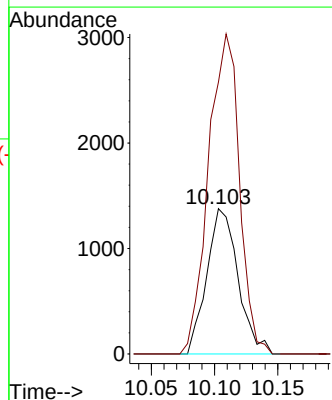
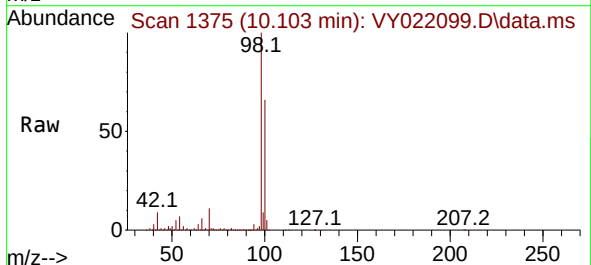
Instrument :
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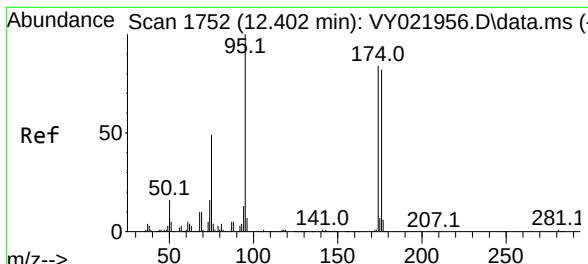
Tgt Ion: 98 Resp: 714174
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.220 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022099.D
Acq: 01 May 2025 11:54

Tgt Ion: 43 Resp: 2369
Ion Ratio Lower Upper
43 100
58 218.2 36.6 55.0#

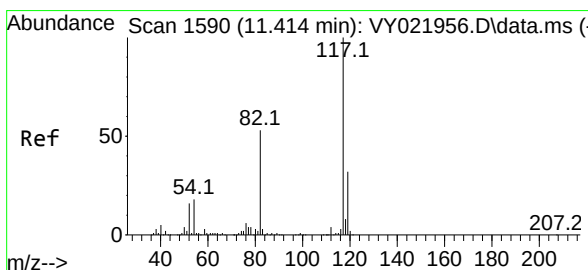
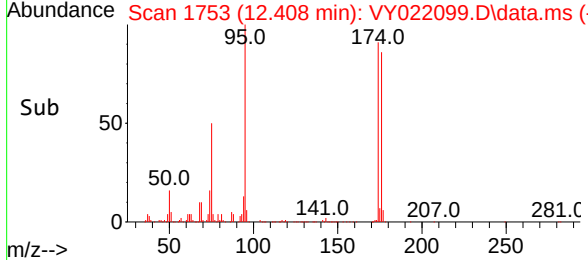
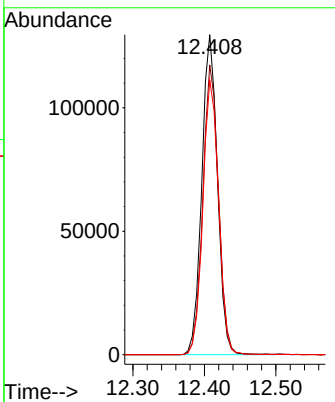
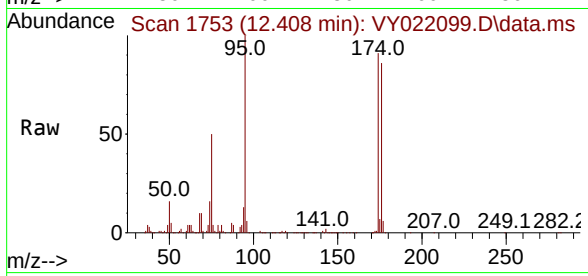




#62
4-Bromofluorobenzene
Concen: 38.826 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022099.D
Acq: 01 May 2025 11:54

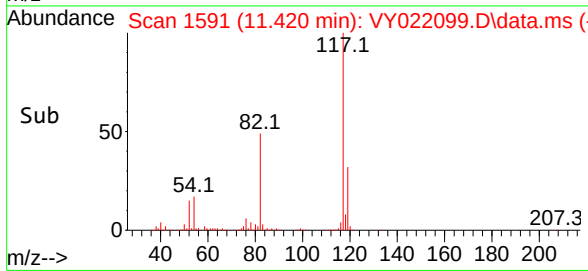
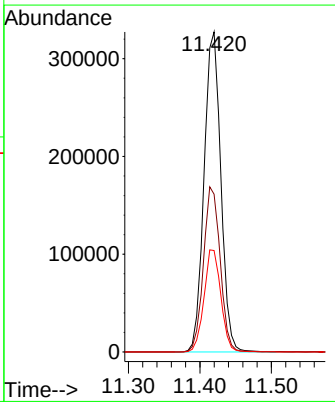
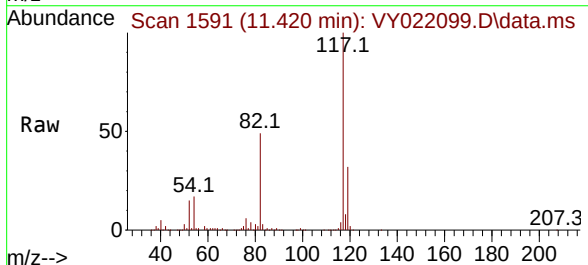
Instrument :
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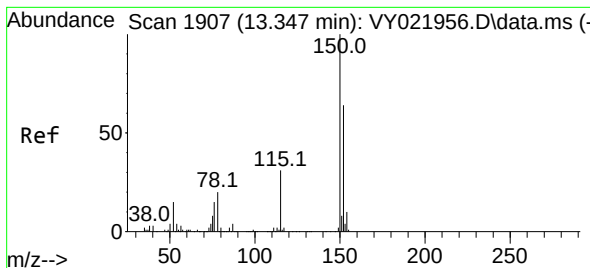
Tgt Ion:	95	Resp:	196937
Ion Ratio	Lower	Upper	
95	100		
174	91.0	0.0	179.0
176	86.6	0.0	171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022099.D
Acq: 01 May 2025 11:54

Tgt Ion:	117	Resp:	533325
Ion Ratio	Lower	Upper	
117	100		
82	49.3	42.1	63.1
119	31.7	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022099.D

Acq: 01 May 2025 11:54

Instrument :

MSVOA_Y

ClientSampleId :

291

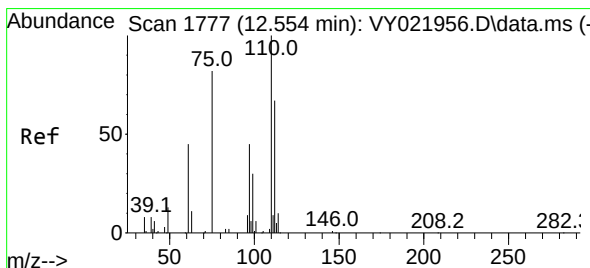
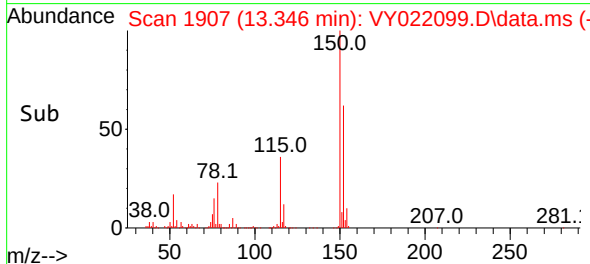
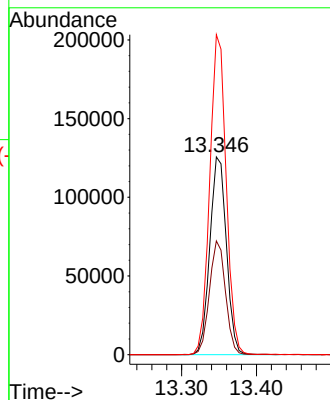
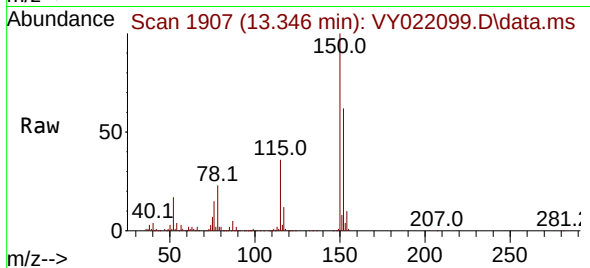
Tgt Ion:152 Resp: 194274

Ion Ratio Lower Upper

152 100

115 55.8 28.0 84.0

150 159.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 56.977 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022099.D

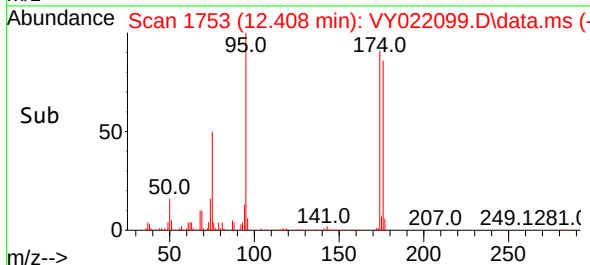
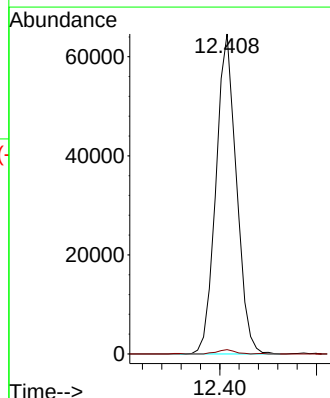
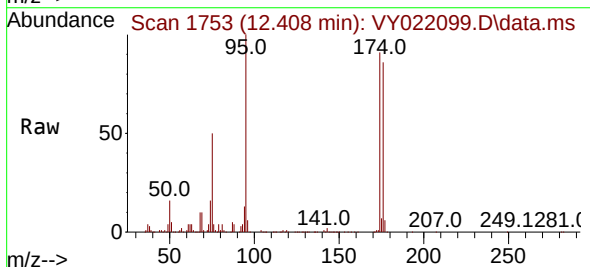
Acq: 01 May 2025 11:54

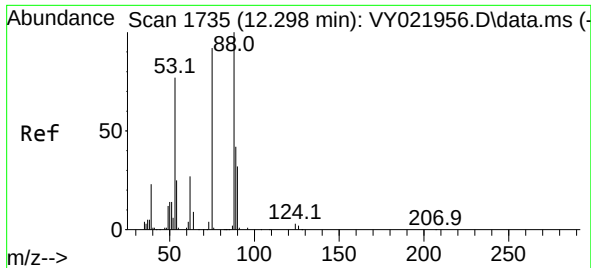
Tgt Ion: 75 Resp: 94812

Ion Ratio Lower Upper

75 100

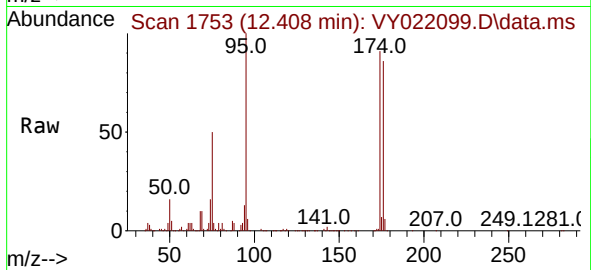
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.208 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022099.D
 Acq: 01 May 2025 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 291



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	66.0	99.0#
89	0.1	37.2	55.8#

