

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021720.D
 Acq On : 31 Mar 2025 15:25
 Operator : SY/MD
 Sample : Q1675-06
 Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P6

Quant Time: Apr 01 05:37:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

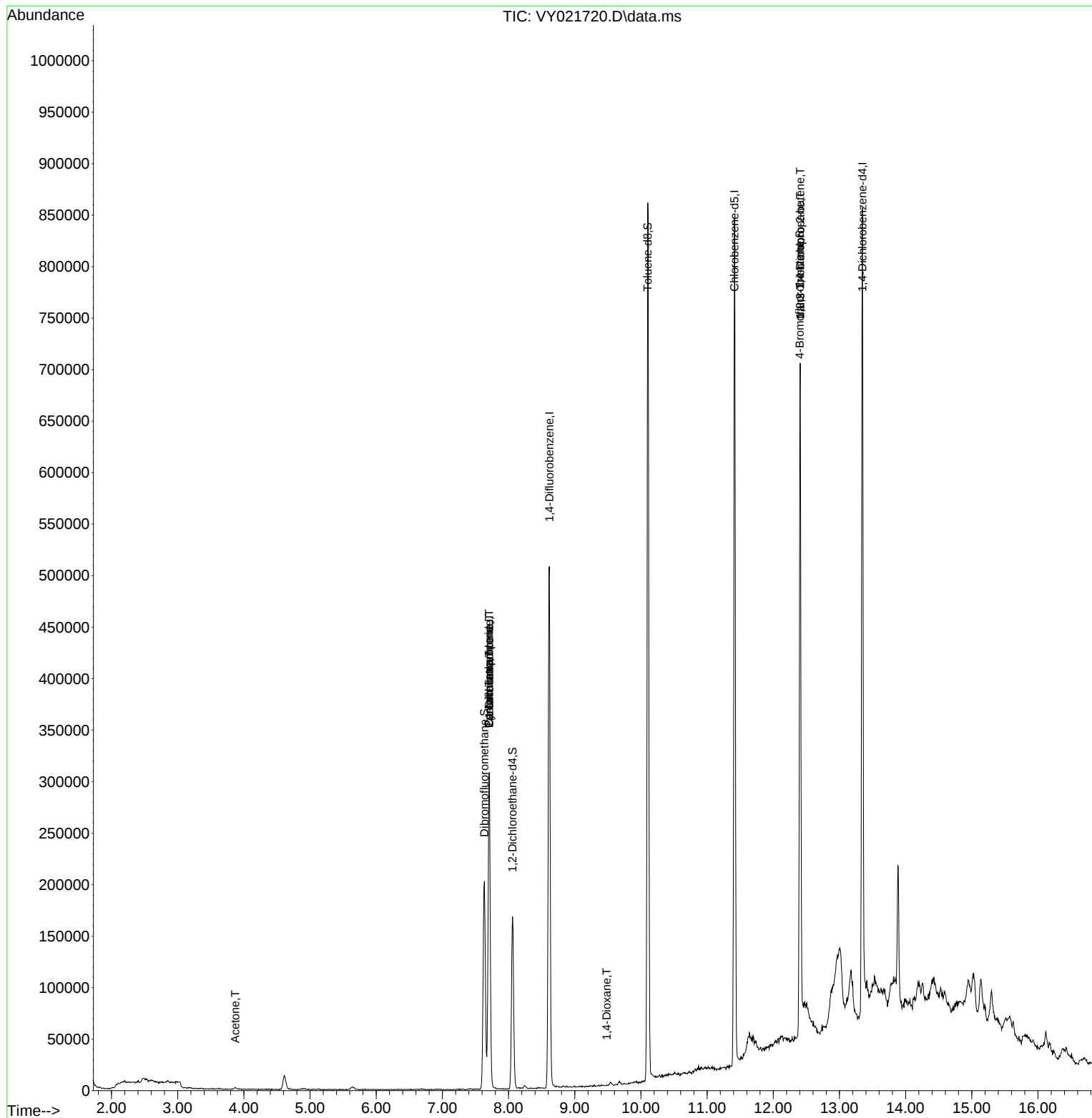
Internal Standards						
1) Pentafluorobenzene	7.707	168	224475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	430734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	421727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133957	55.078	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.160%	
35) Dibromofluoromethane	7.634	113	141873	50.776	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.560%	
50) Toluene-d8	10.103	98	547563	51.513	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.020%	
62) 4-Bromofluorobenzene	12.401	95	199630	55.523	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.040%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	2797	5.619	ug/l #	84
31) Cyclohexane	7.707	56	5423	1.263	ug/l #	17
36) 1,1-Dichloropropene	7.707	75	19633	4.613	ug/l #	50
38) Carbon Tetrachloride	7.707	117	23215	4.763	ug/l #	17
49) 1,4-Dioxane	9.481	88	38	2.040	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	102485	54.611	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	102485	125.834	ug/l #	12

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

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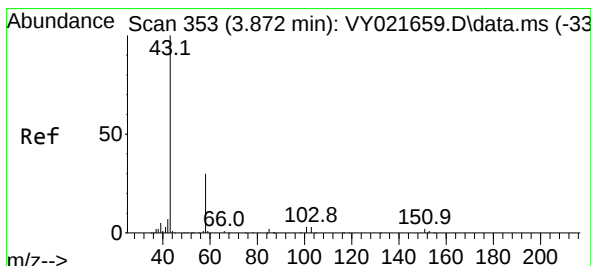
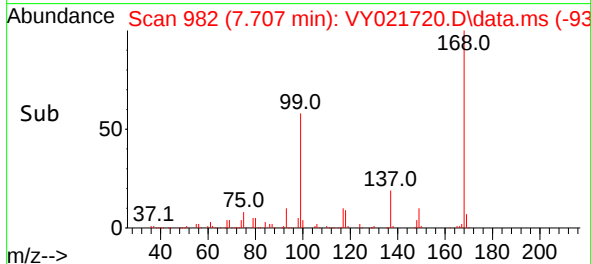
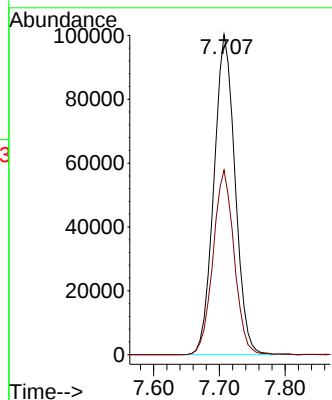
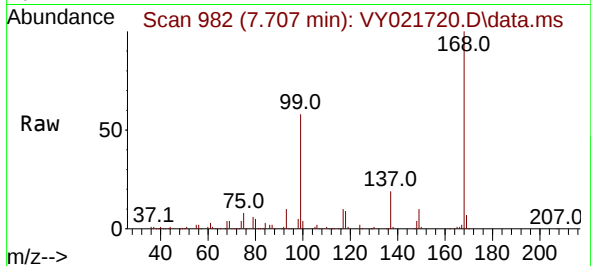




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

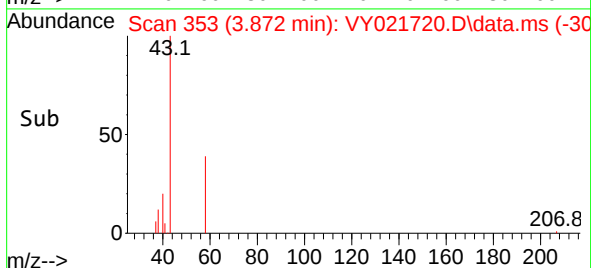
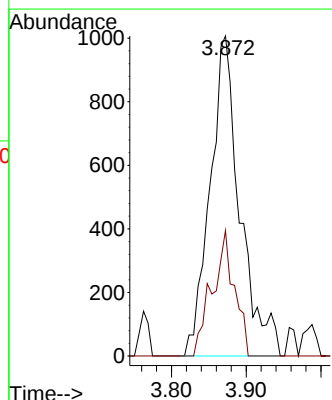
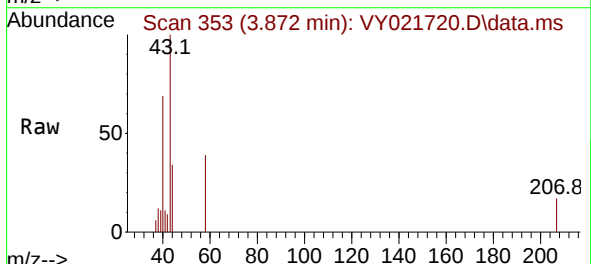
Instrument :
MSVOA_Y
ClientSampleId :
P6

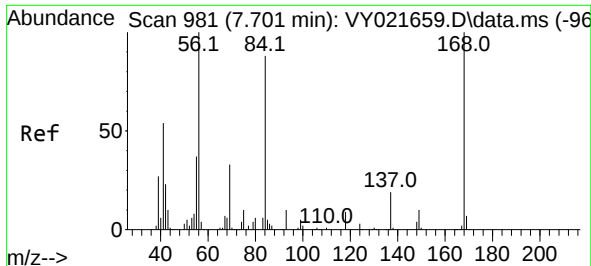
Tgt Ion:168 Resp: 224475
Ion Ratio Lower Upper
168 100
99 57.7 46.7 70.1



#16
Acetone
Concen: 5.619 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Tgt Ion: 43 Resp: 2797
Ion Ratio Lower Upper
43 100
58 39.2 24.2 36.4#

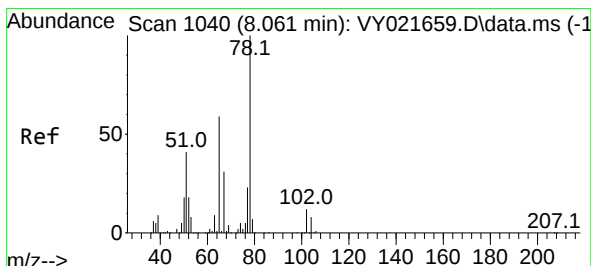
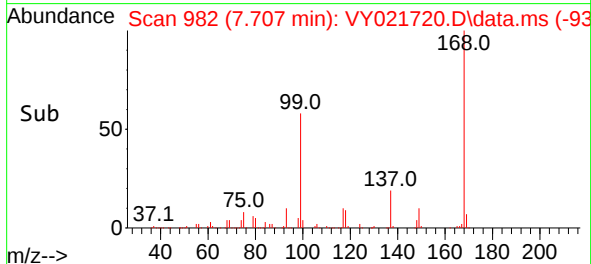
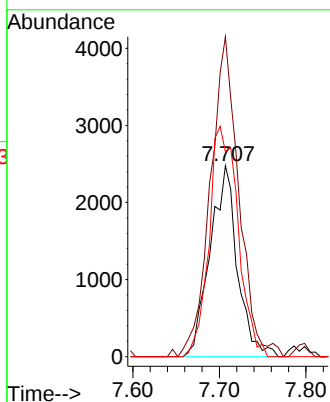
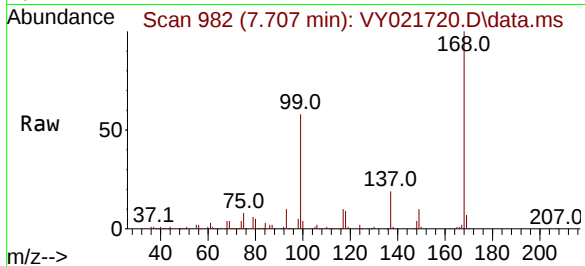




#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

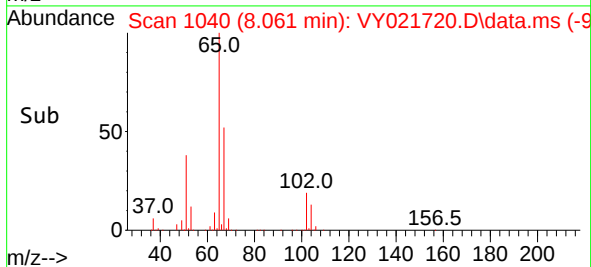
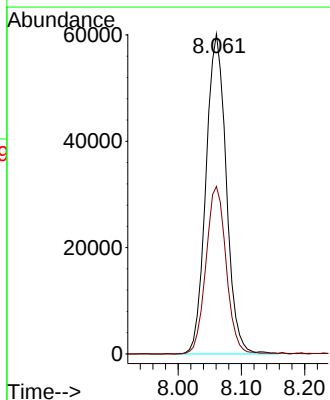
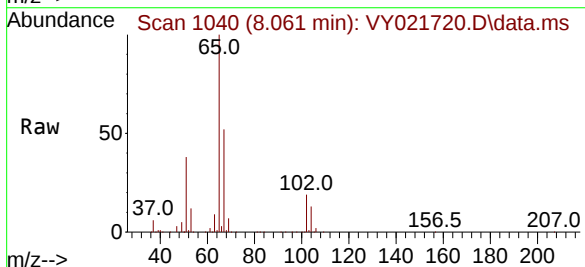
Instrument :
MSVOA_Y
ClientSampleId :
P6

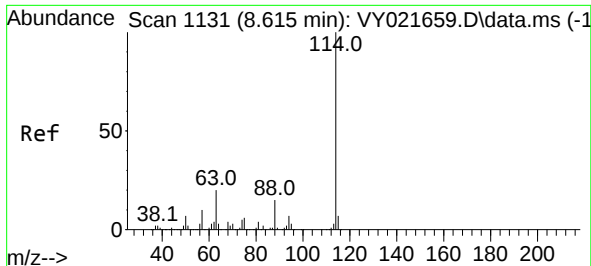
Tgt Ion: 56 Resp: 5423
Ion Ratio Lower Upper
56 100
69 167.6 26.6 40.0#
84 107.4 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 55.078 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Tgt Ion: 65 Resp: 133957
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.6

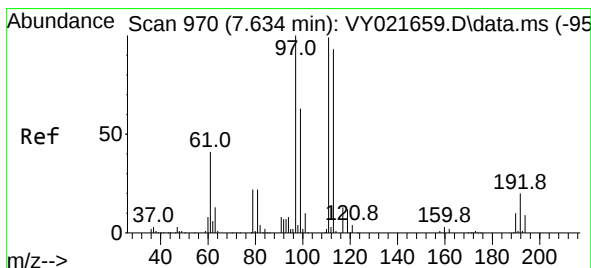
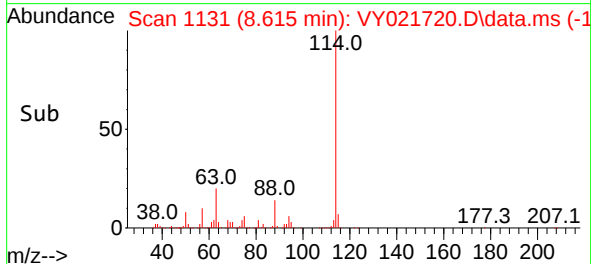
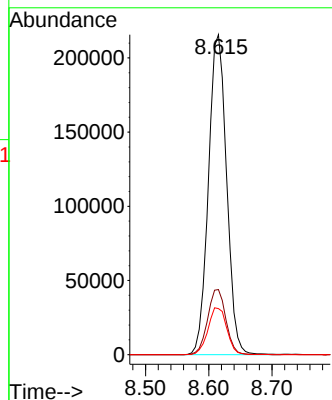
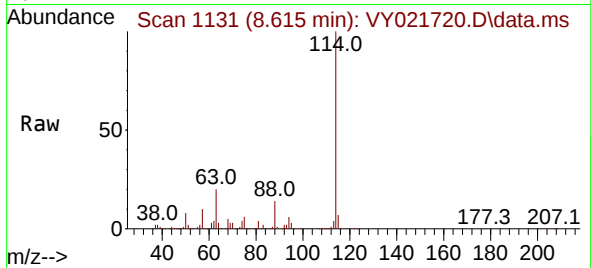




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.615 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY021720.D
 Acq: 31 Mar 2025 15:25

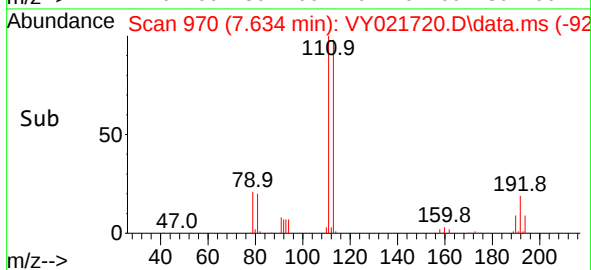
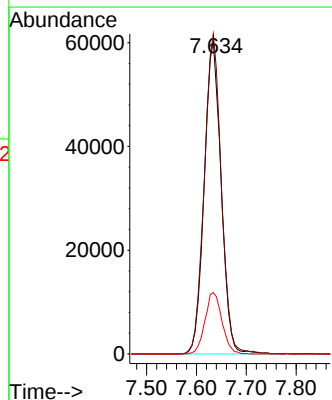
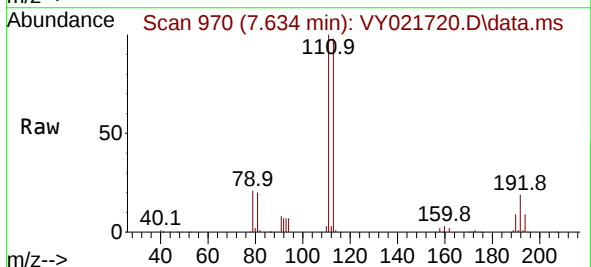
Instrument :
 MSVOA_Y
 ClientSampleId :
 P6

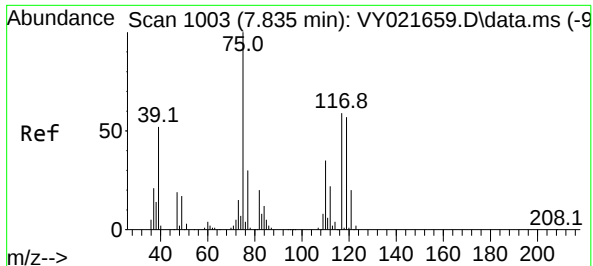
Tgt Ion:114 Resp: 430734
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.2
 88 14.4 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 50.776 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. -0.000 min
 Lab File: VY021720.D
 Acq: 31 Mar 2025 15:25

Tgt Ion:113 Resp: 141873
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.6 123.8
 192 19.8 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.613 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY021720.D

Acq: 31 Mar 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

P6

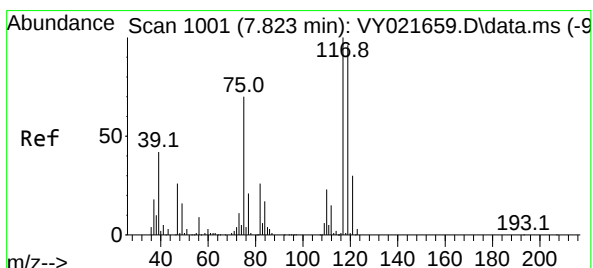
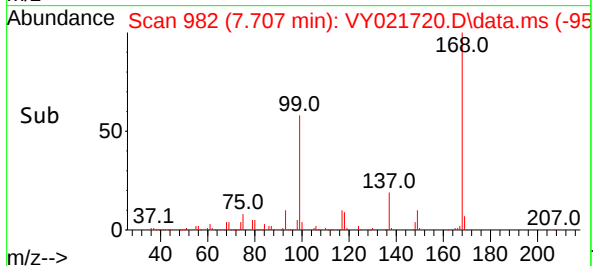
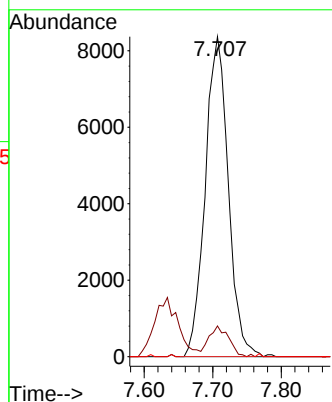
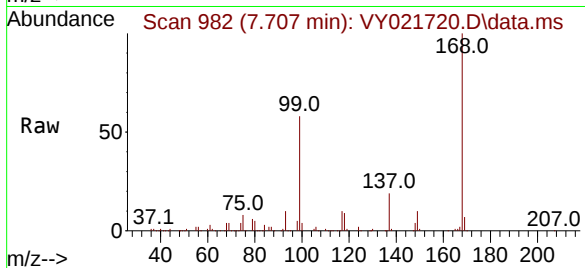
Tgt Ion: 75 Resp: 19633

Ion Ratio Lower Upper

75 100

110 8.1 17.0 50.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.763 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021720.D

Acq: 31 Mar 2025 15:25

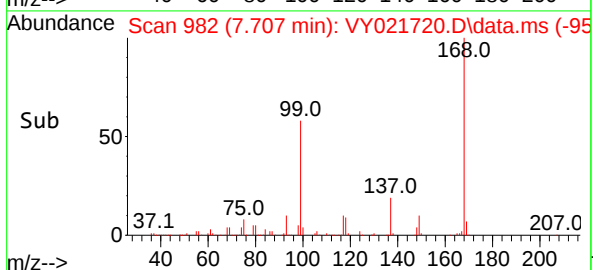
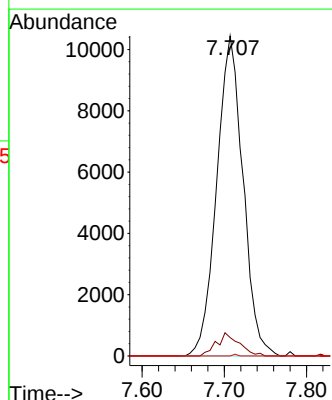
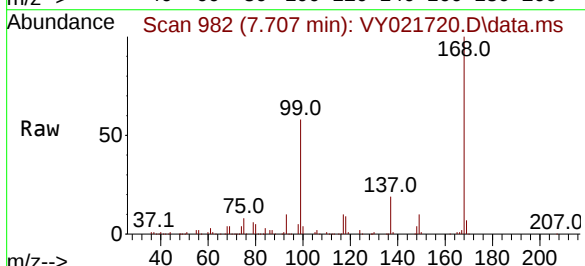
Tgt Ion: 117 Resp: 23215

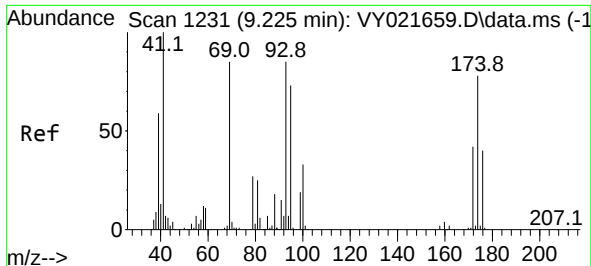
Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.4#

121 0.0 24.2 36.4#





#49

1,4-Dioxane

Concen: 2.040 ug/l

RT: 9.481 min Scan# 11

Delta R.T. 0.256 min

Lab File: VY021720.D

Acq: 31 Mar 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

P6

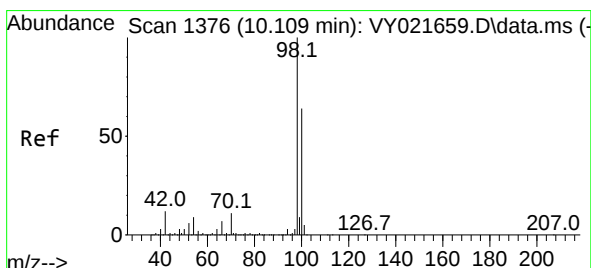
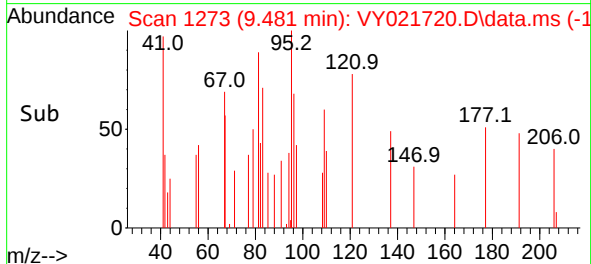
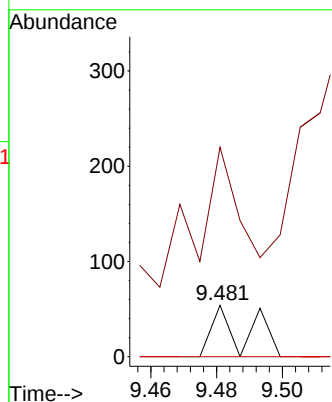
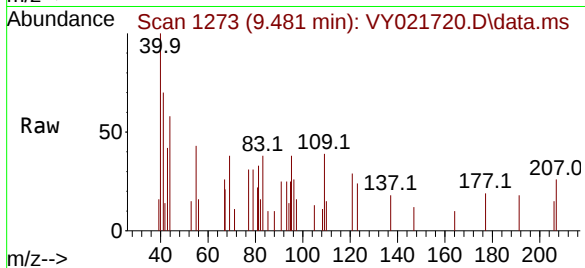
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 347.4 28.8 43.2#

58 0.0 59.4 89.2#



#50

Toluene-d8

Concen: 51.513 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021720.D

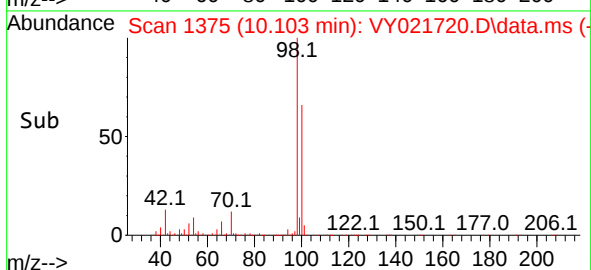
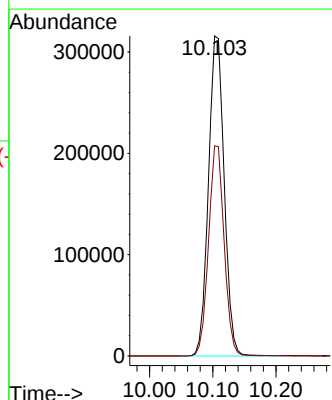
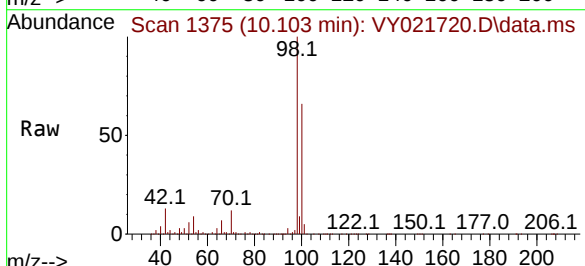
Acq: 31 Mar 2025 15:25

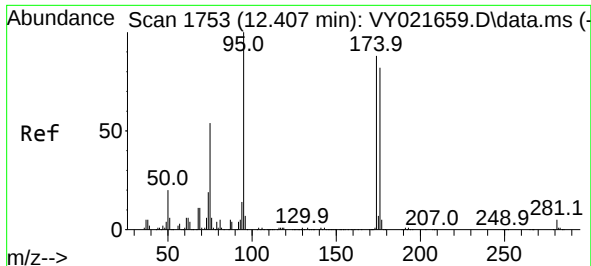
Tgt Ion: 98 Resp: 547563

Ion Ratio Lower Upper

98 100

100 64.9 52.1 78.1

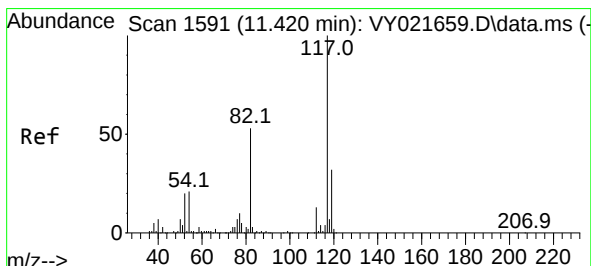
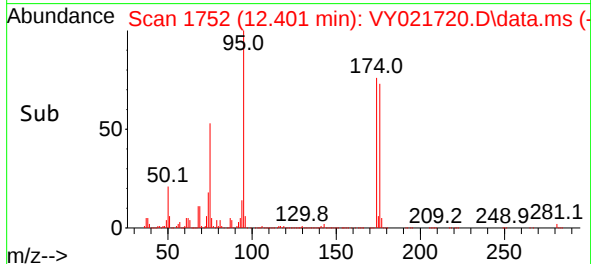
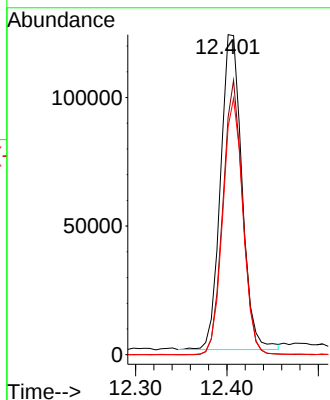
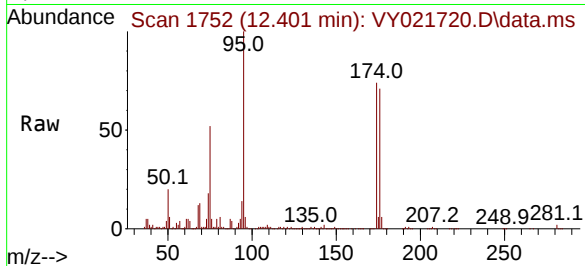




#62
4-Bromofluorobenzene
Concen: 55.523 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

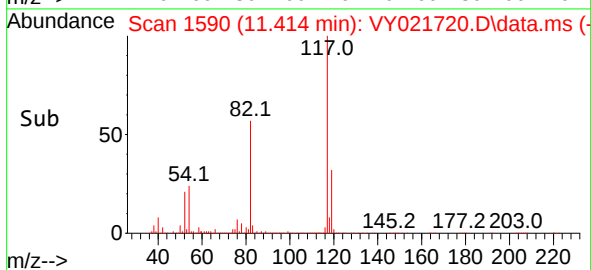
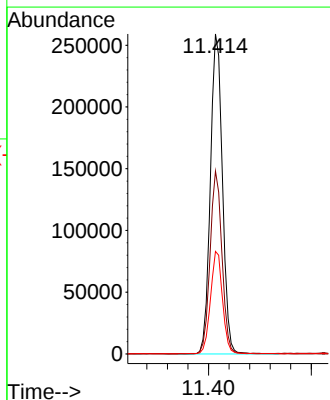
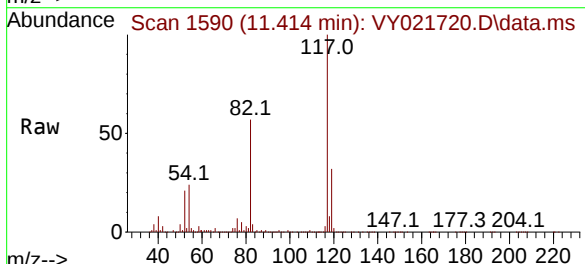
Instrument :
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P6

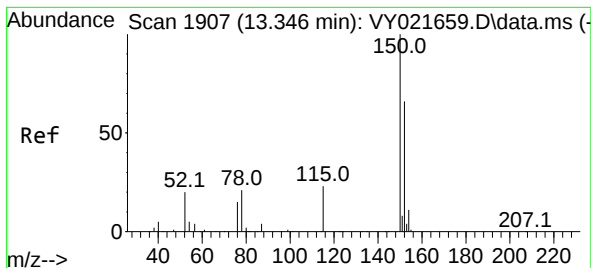
Tgt Ion: 95 Resp: 199630
Ion Ratio Lower Upper
95 100
174 80.8 0.0 170.8
176 77.0 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Tgt Ion: 117 Resp: 421727
Ion Ratio Lower Upper
117 100
82 57.1 42.8 64.2
119 32.0 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: VY021720.D

Acq: 31 Mar 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

P6

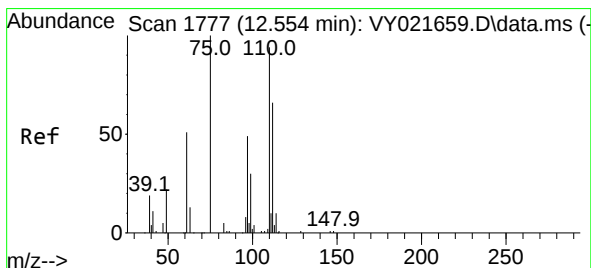
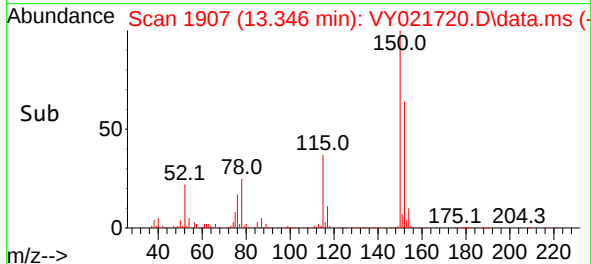
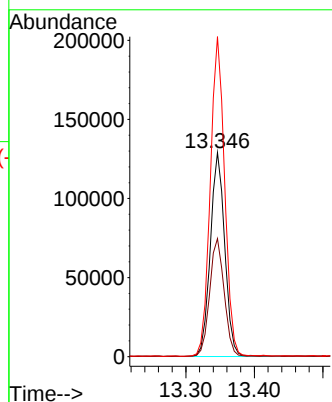
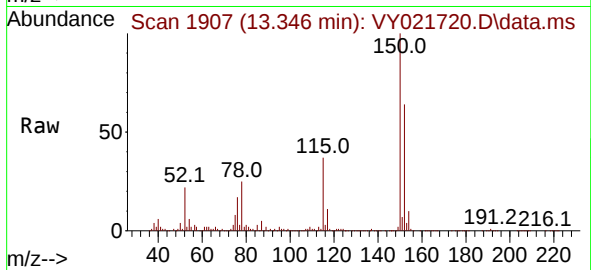
Tgt Ion:152 Resp: 189318

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 155.2 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 54.611 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021720.D

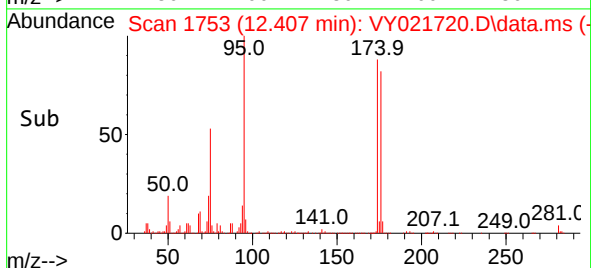
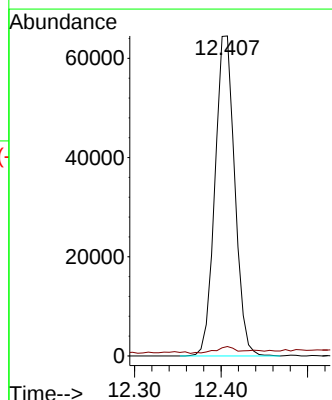
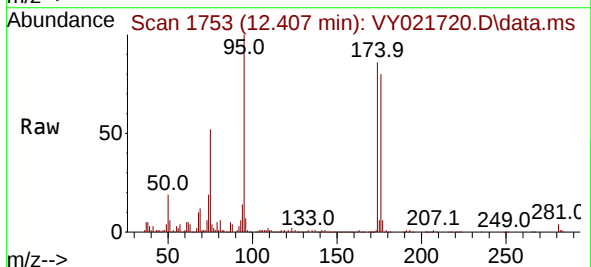
Acq: 31 Mar 2025 15:25

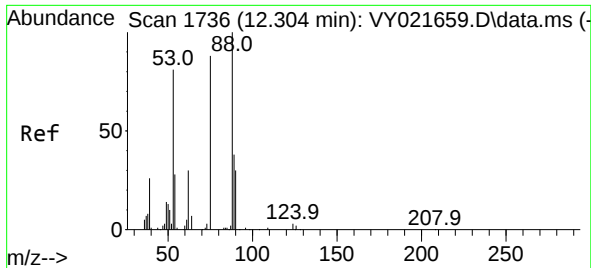
Tgt Ion: 75 Resp: 102485

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.834 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY021720.D
 Acq: 31 Mar 2025 15:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 P6

Tgt Ion: 75 Resp: 102485
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.1 36.2 54.4#

