

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021975.D
 Acq On : 23 Apr 2025 16:37
 Operator : SY/MD
 Sample : Q1852-03
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11977

Quant Time: Apr 24 03:47:02 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)

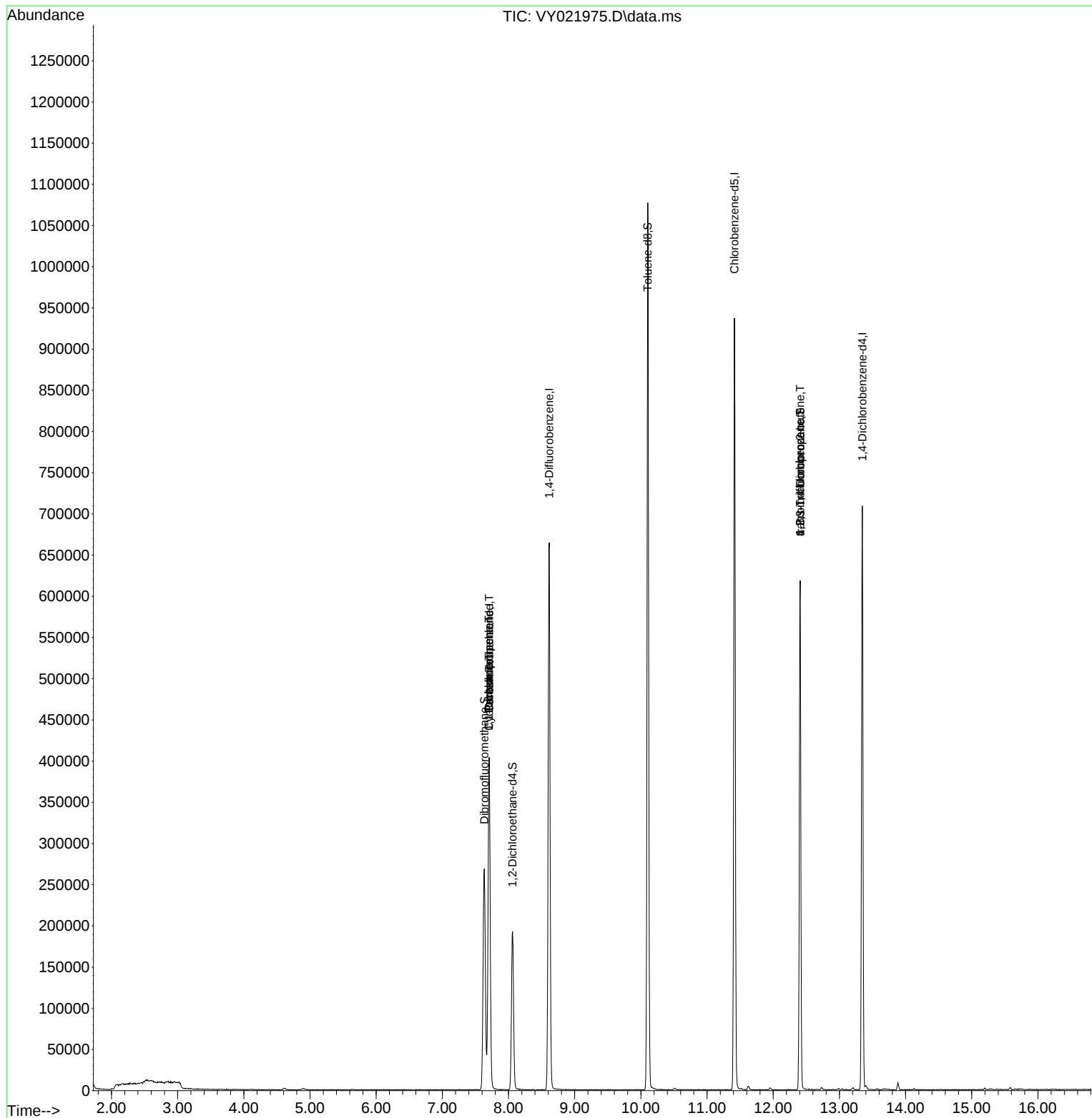
Internal Standards						
1) Pentafluorobenzene	7.707	168	314438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	593381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	515710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151685	52.226	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.460%	
35) Dibromofluoromethane	7.634	113	195814	49.950	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.900%	
50) Toluene-d8	10.103	98	709960	48.038	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.080%	
62) 4-Bromofluorobenzene	12.408	95	191518	38.494	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.980%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	313	Below Cal		90
31) Cyclohexane	7.701	56	5988	1.247	ug/l #	14
36) 1,1-Dichloropropene	7.701	75	23470	4.457	ug/l #	48
38) Carbon Tetrachloride	7.707	117	32111	5.103	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	95054	58.590	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	95054	141.093	ug/l #	16

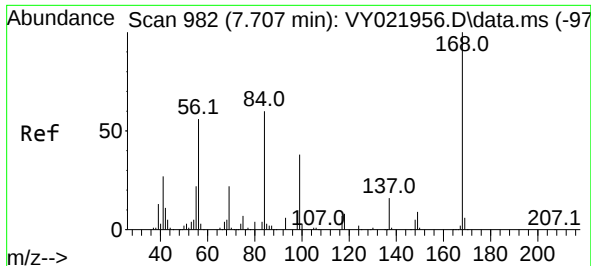
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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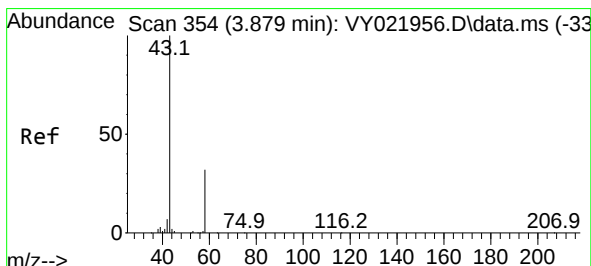
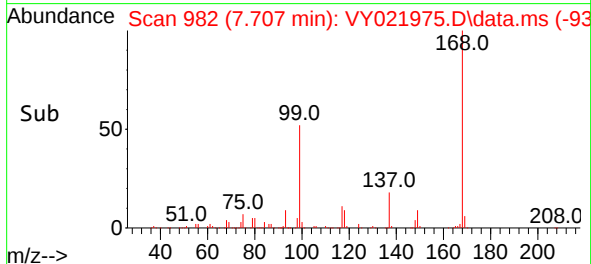
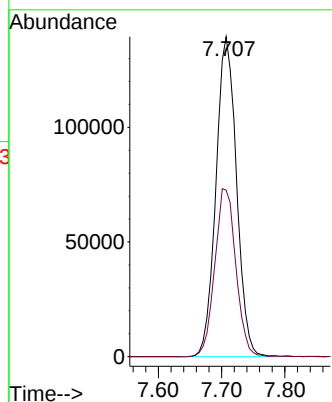
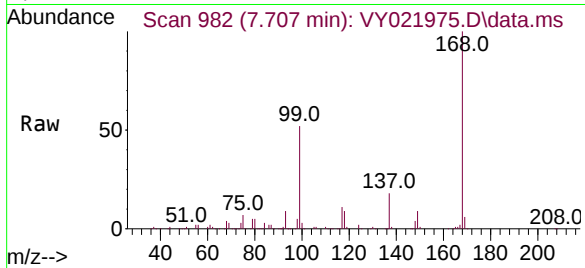




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021975.D
Acq: 23 Apr 2025 16:37

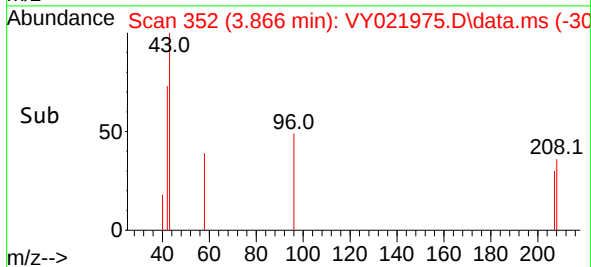
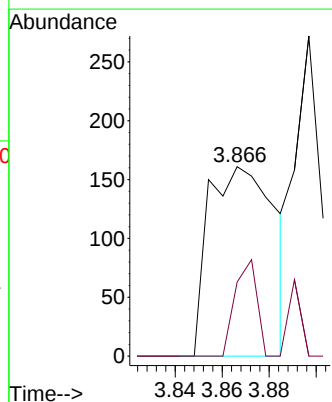
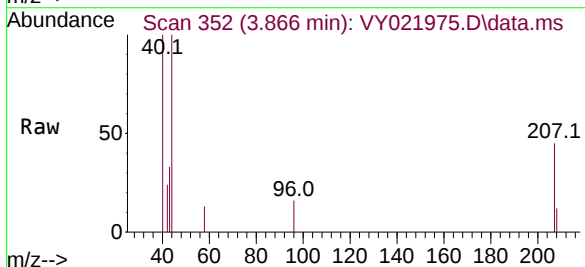
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

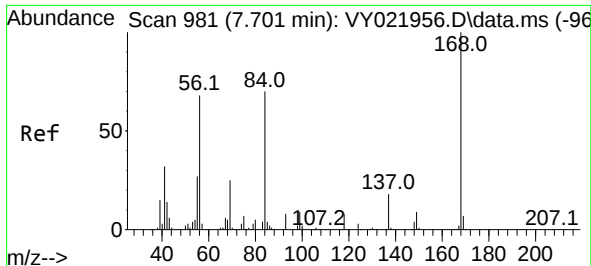
Tgt Ion:168 Resp: 314438
Ion Ratio Lower Upper
168 100
99 52.0 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY021975.D
Acq: 23 Apr 2025 16:37

Tgt Ion: 43 Resp: 313
Ion Ratio Lower Upper
43 100
58 39.1 27.0 40.4

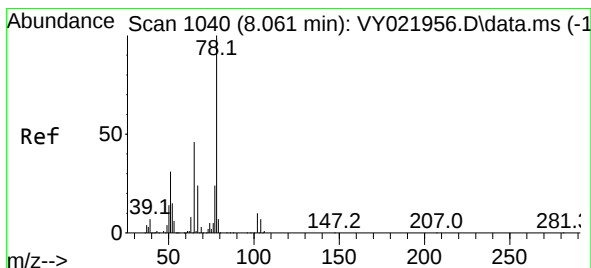
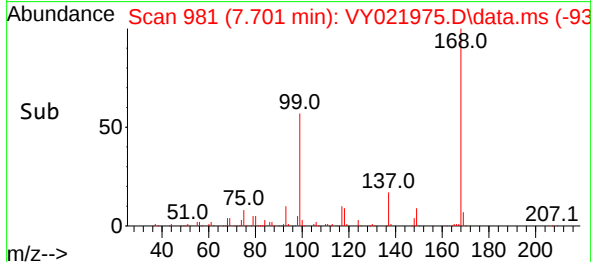
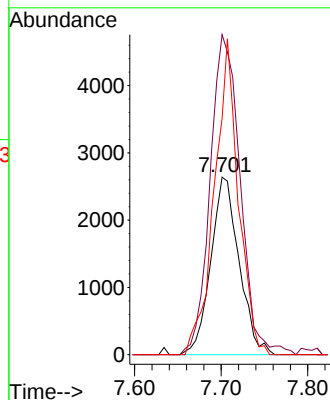
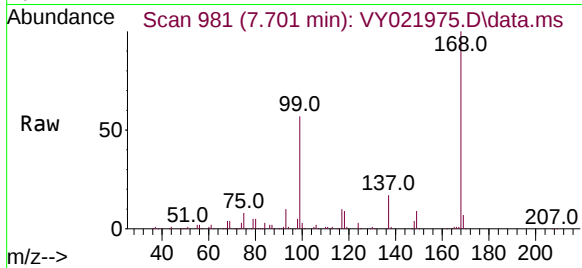




#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY021975.D
Acq: 23 Apr 2025 16:37

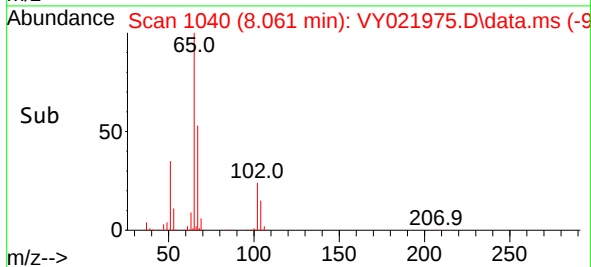
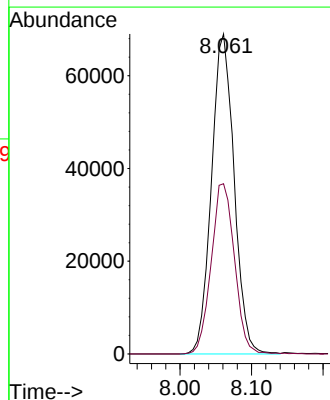
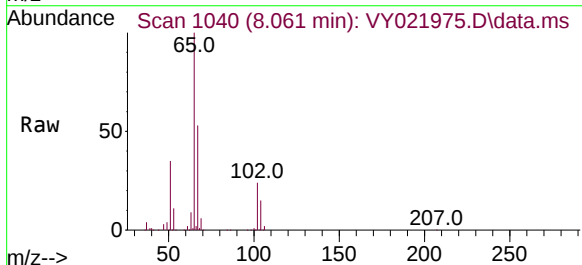
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

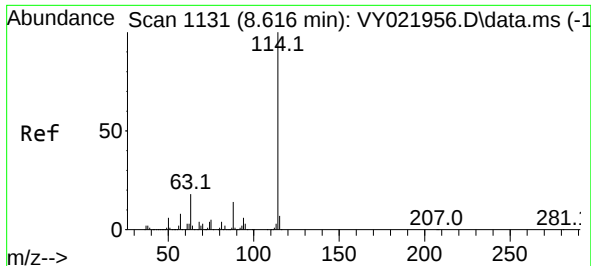
Tgt Ion: 56 Resp: 5988
Ion Ratio Lower Upper
56 100
69 180.2 29.4 44.2#
84 133.0 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 52.226 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021975.D
Acq: 23 Apr 2025 16:37

Tgt Ion: 65 Resp: 151685
Ion Ratio Lower Upper
65 100
67 54.9 0.0 105.8

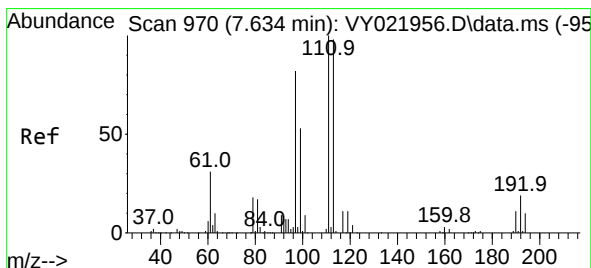
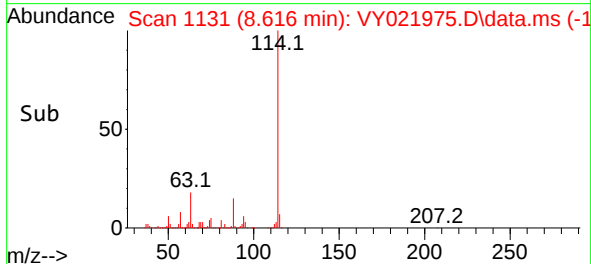
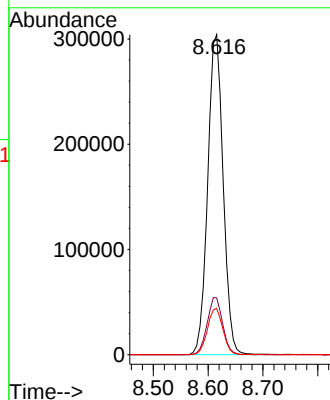
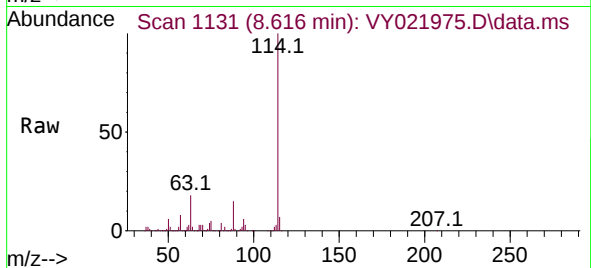




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021975.D
Acq: 23 Apr 2025 16:37

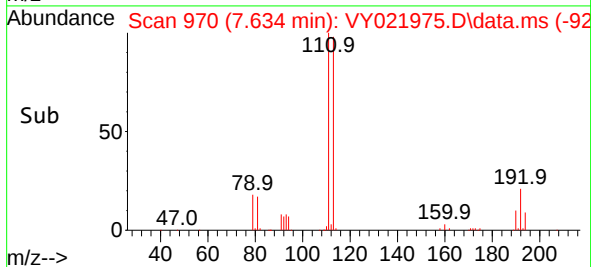
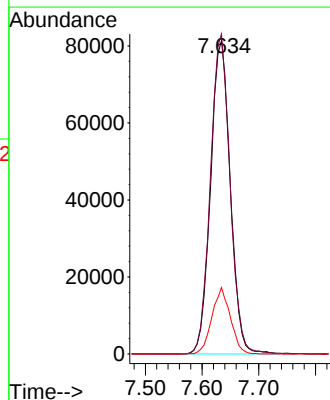
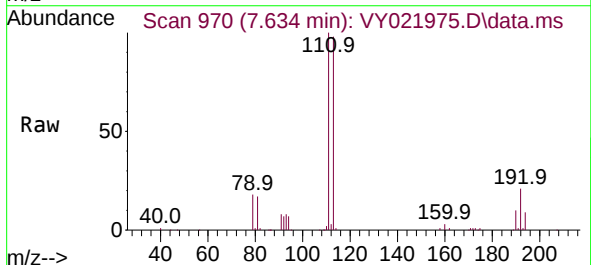
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

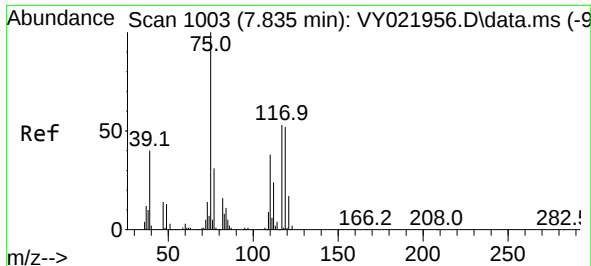
Tgt Ion:114 Resp: 593381
Ion Ratio Lower Upper
114 100
63 17.7 0.0 35.4
88 14.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 49.950 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021975.D
Acq: 23 Apr 2025 16:37

Tgt Ion:113 Resp: 195814
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 19.9 15.6 23.4

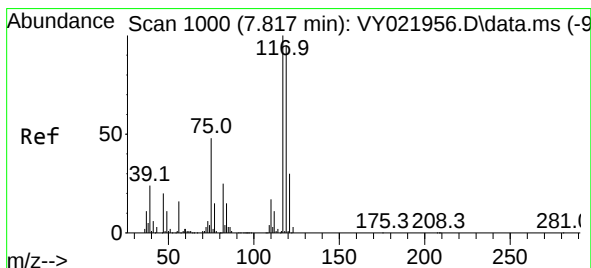
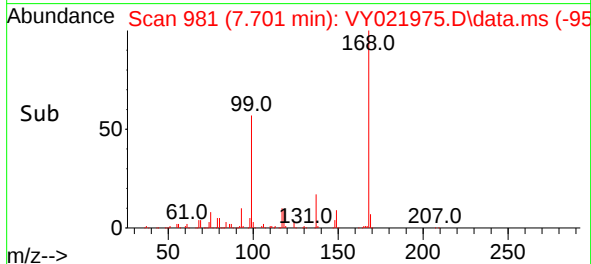
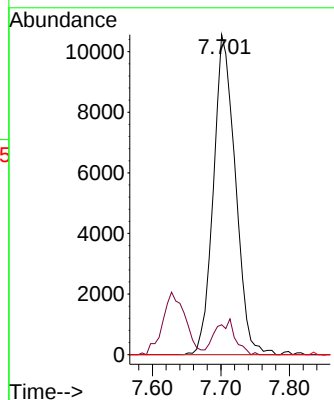
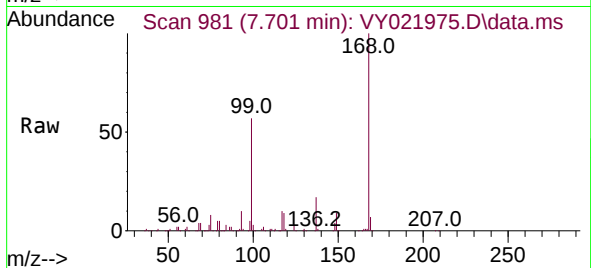




#36
 1,1-Dichloropropene
 Concen: 4.457 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.134 min
 Lab File: VY021975.D
 Acq: 23 Apr 2025 16:37

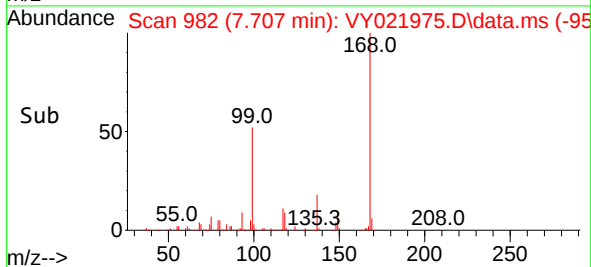
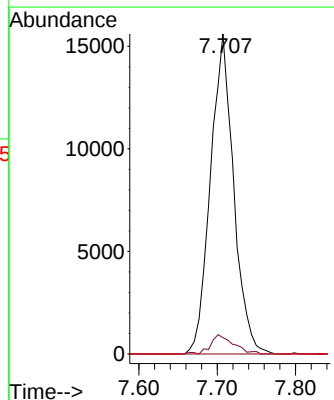
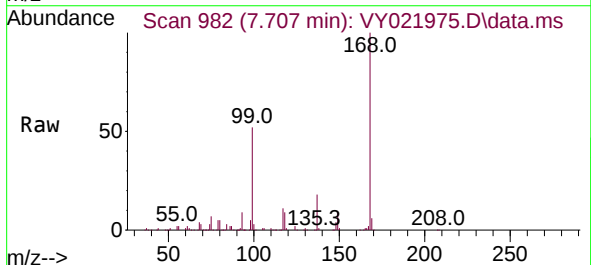
Instrument :
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 ClientSampleId :
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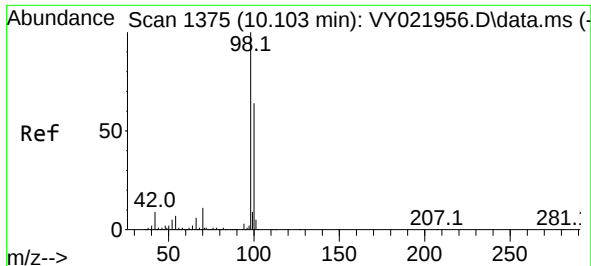
Tgt Ion: 75 Resp: 23470
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.1 57.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 5.103 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY021975.D
 Acq: 23 Apr 2025 16:37

Tgt Ion: 117 Resp: 32111
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.2 114.4#
 121 0.0 24.0 36.0#

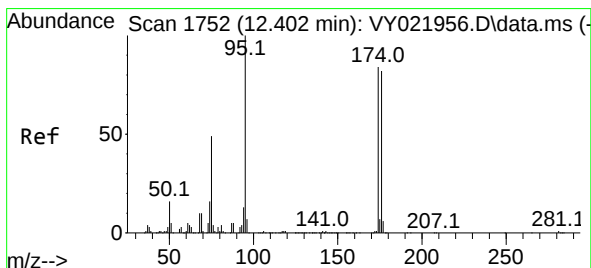
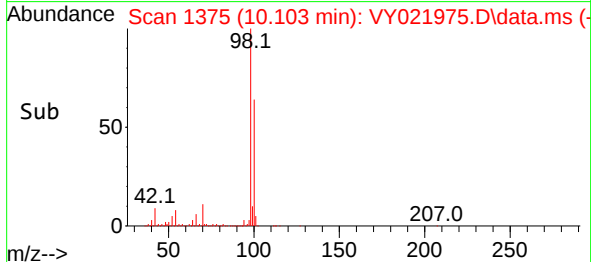
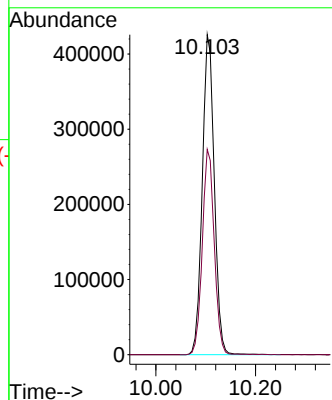
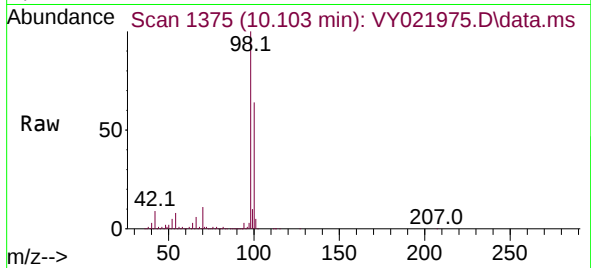




#50
Toluene-d8
Concen: 48.038 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021975.D
Acq: 23 Apr 2025 16:37

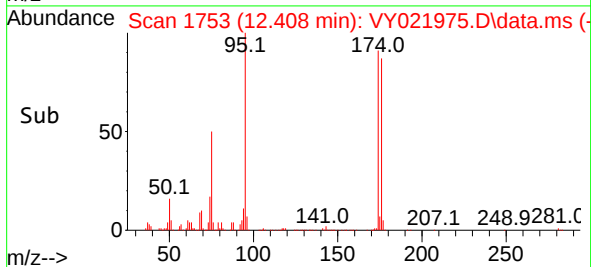
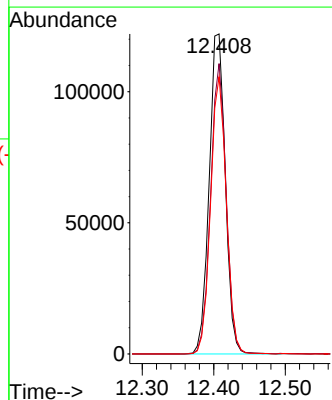
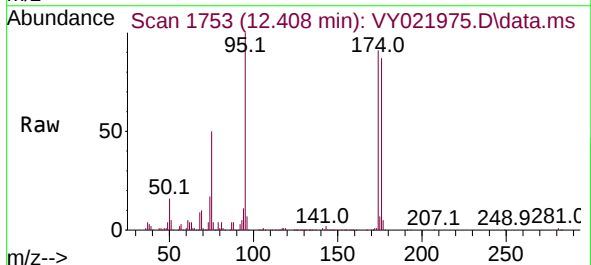
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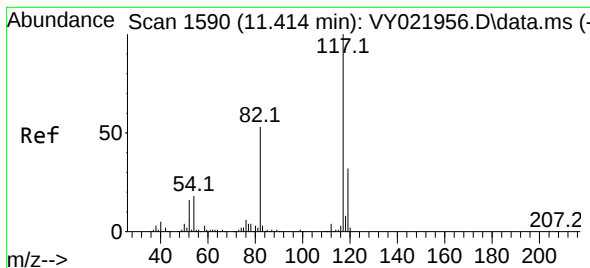
Tgt Ion: 98 Resp: 709960
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 38.494 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021975.D
Acq: 23 Apr 2025 16:37

Tgt Ion: 95 Resp: 191518
Ion Ratio Lower Upper
95 100
174 87.5 0.0 179.0
176 84.2 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: VY021975.D

Acq: 23 Apr 2025 16:37

Instrument :

MSVOA_Y

ClientSampleId :

72-11977

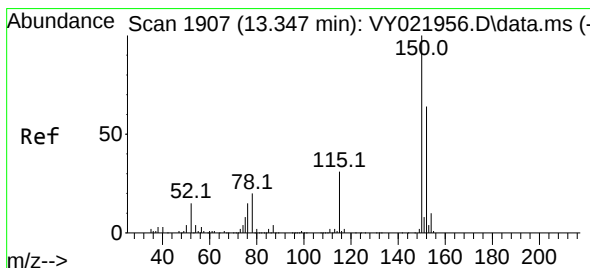
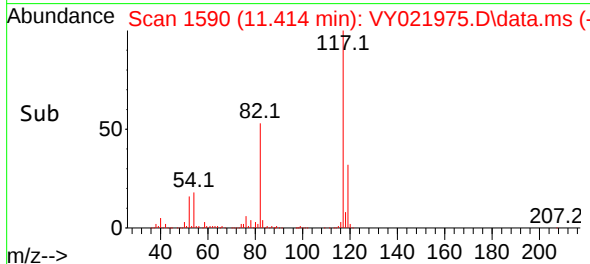
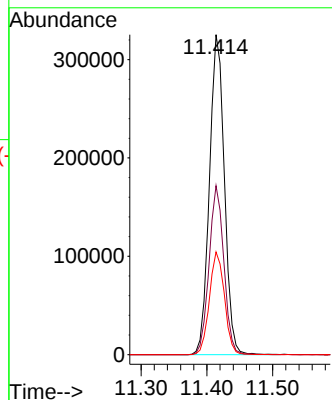
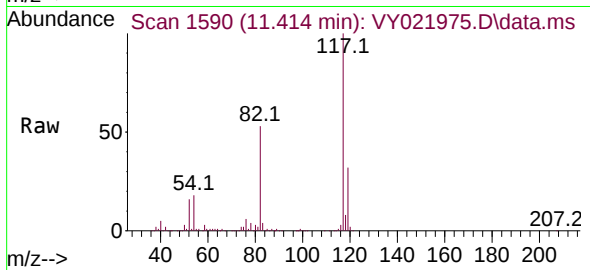
Tgt Ion:117 Resp: 515710

Ion Ratio Lower Upper

117 100

82 52.8 42.1 63.1

119 32.1 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: VY021975.D

Acq: 23 Apr 2025 16:37

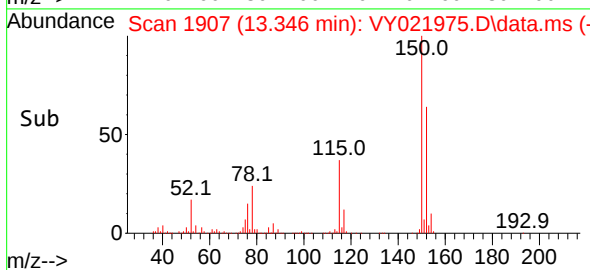
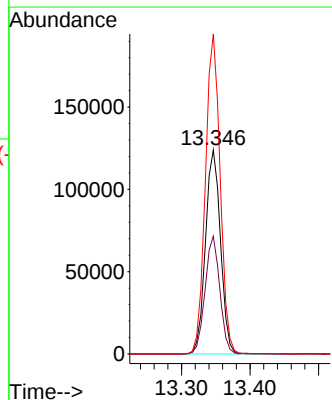
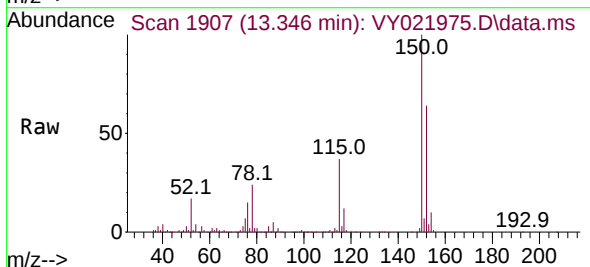
Tgt Ion:152 Resp: 189407

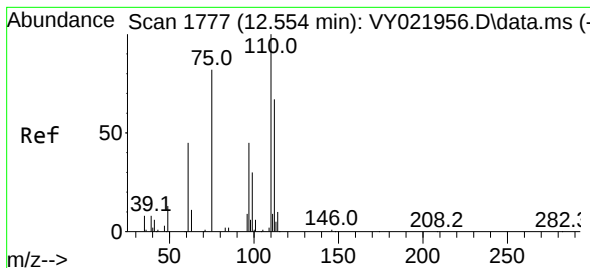
Ion Ratio Lower Upper

152 100

115 56.6 28.0 84.0

150 154.0 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 58.590 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021975.D

Acq: 23 Apr 2025 16:37

Instrument :

MSVOA_Y

ClientSampleId :

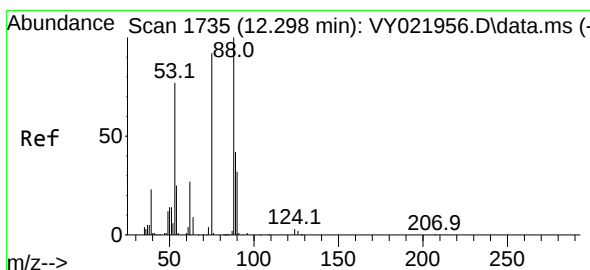
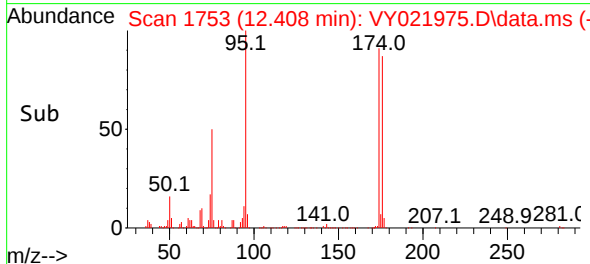
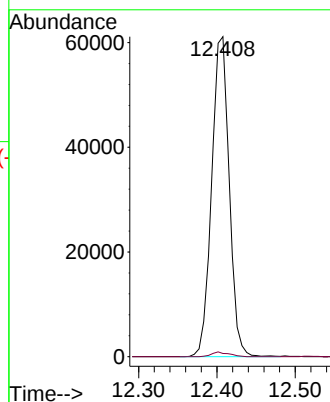
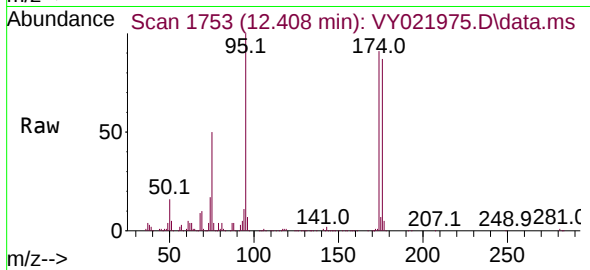
72-11977

Tgt Ion: 75 Resp: 95054

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.093 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY021975.D

Acq: 23 Apr 2025 16:37

Tgt Ion: 75 Resp: 95054

Ion Ratio Lower Upper

75 100

53 0.2 66.0 99.0#

89 0.1 37.2 55.8#

