

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021950.D
 Acq On : 21 Apr 2025 15:54
 Operator : SY/MD
 Sample : Q1851-07
 Misc : 7.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GP7

Quant Time: Apr 22 02:46:16 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)

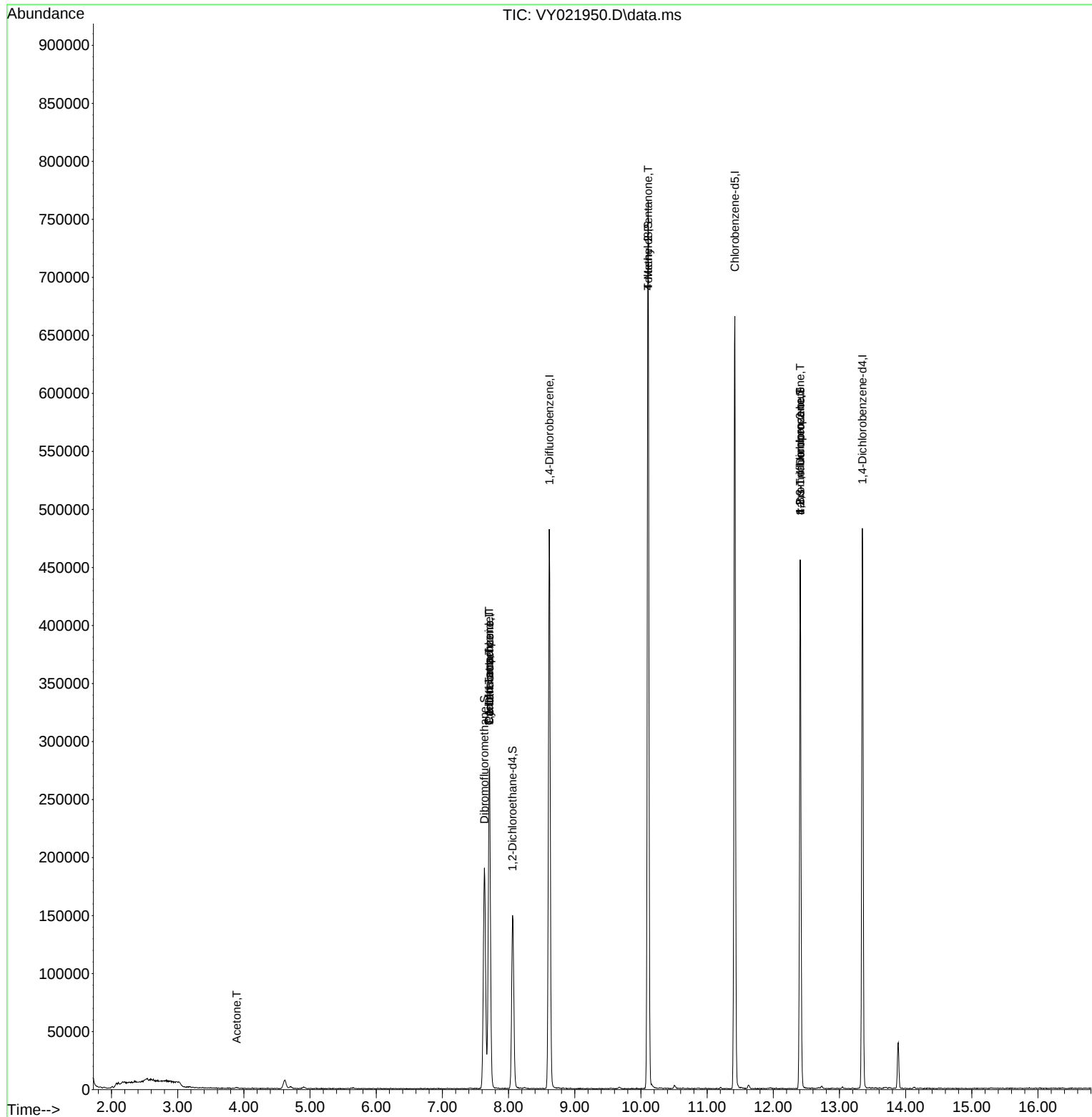
Internal Standards						
1) Pentafluorobenzene	7.713	168	209157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	398558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	345335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	119952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122099	53.879	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.760%	
35) Dibromofluoromethane	7.634	113	133521	51.645	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.280%	
50) Toluene-d8	10.109	98	484652	49.276	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.560%	
62) 4-Bromofluorobenzene	12.407	95	129483	38.921	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.840%	
Target Compounds						Qvalue
16) Acetone	3.891	43	1043	2.249	ug/l #	78
20) Methylene Chloride	4.622	84	5220	Below Cal	#	88
31) Cyclohexane	7.707	56	4837	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	16724	4.247	ug/l #	51
38) Carbon Tetrachloride	7.707	117	21307	4.724	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	2264	1.235	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	69211	58.208	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	69211	134.121	ug/l #	12

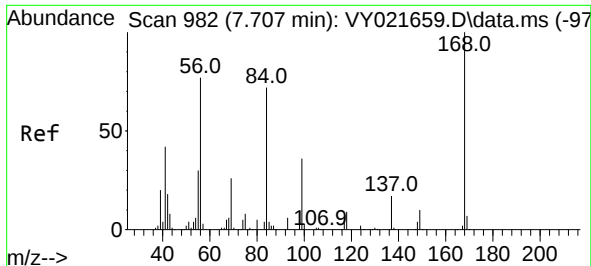
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
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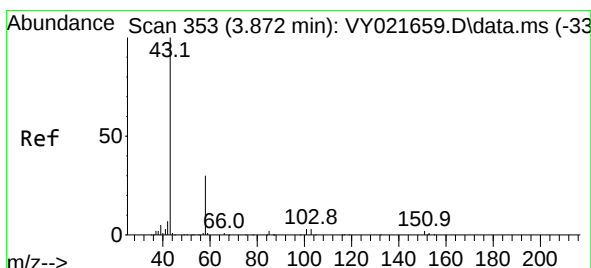
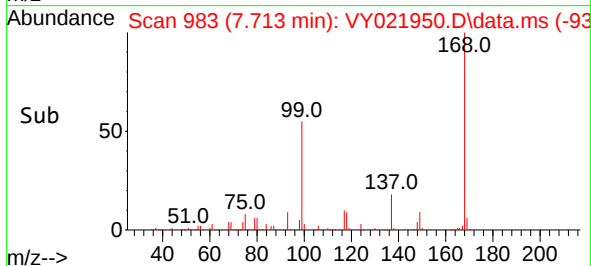
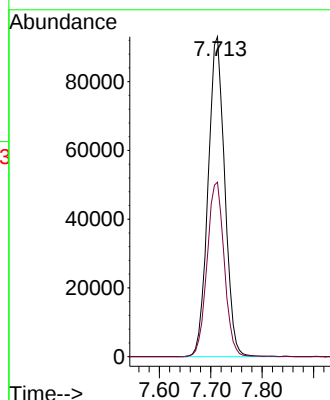
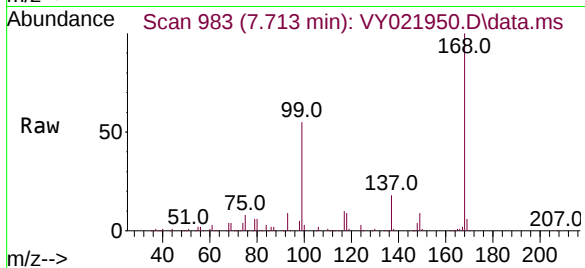




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

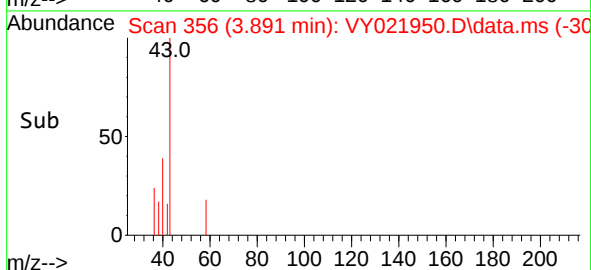
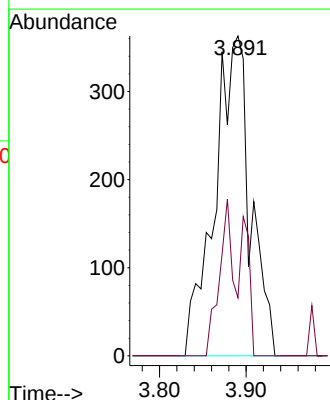
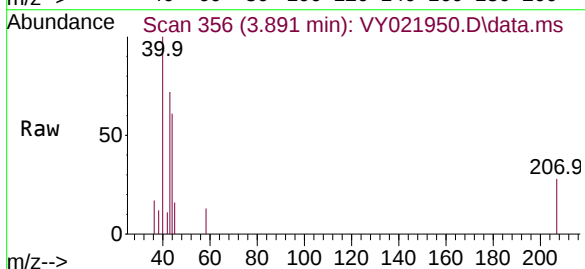
Instrument :
MSVOA_Y
ClientSampleId :
GP7

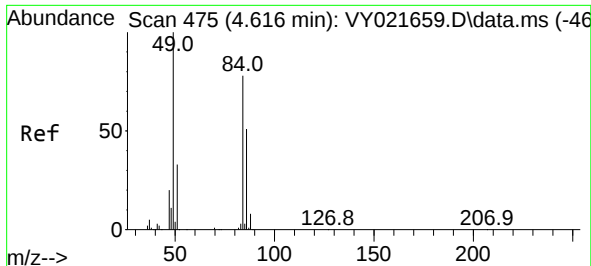
Tgt Ion:168 Resp: 209157
Ion Ratio Lower Upper
168 100
99 54.6 46.7 70.1



#16
Acetone
Concen: 2.249 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Tgt Ion: 43 Resp: 1043
Ion Ratio Lower Upper
43 100
58 18.2 24.2 36.4#

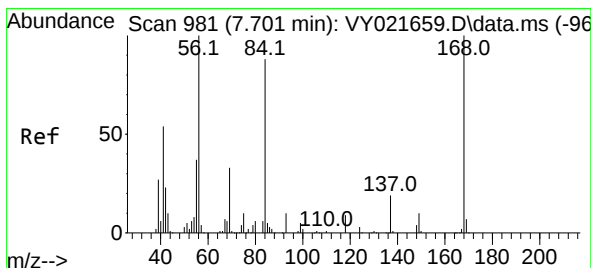
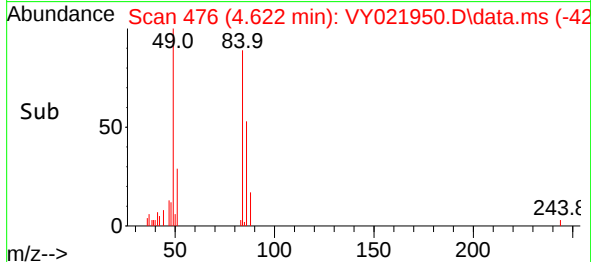
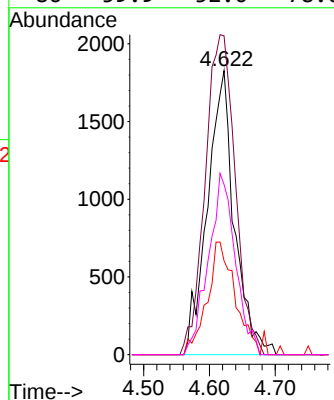
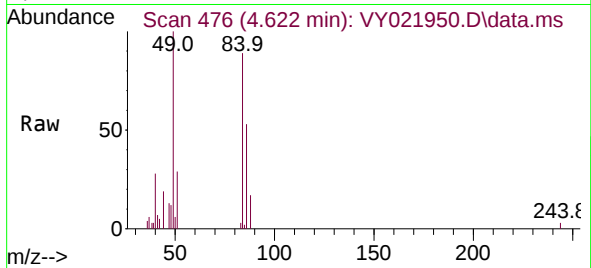




#20
Methylene Chloride
Concen: Below Cal
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

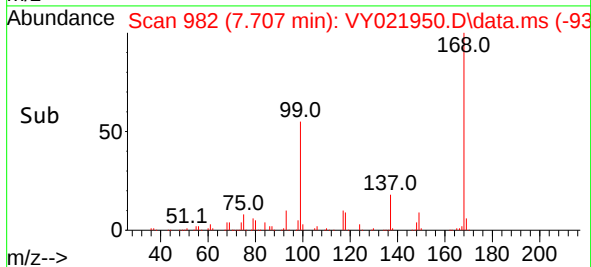
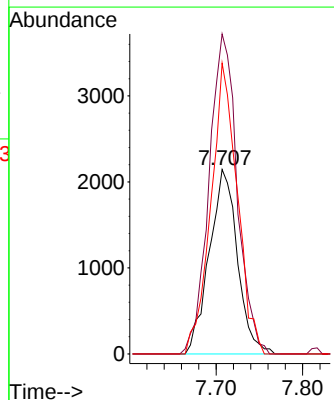
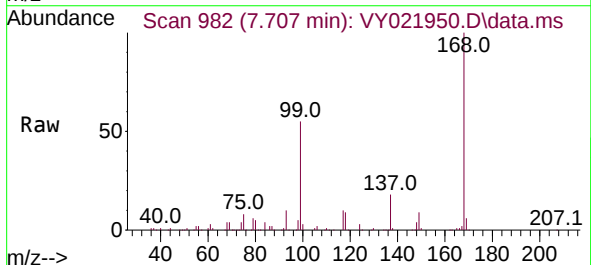
Instrument :
MSVOA_Y
ClientSampleId :
GP7

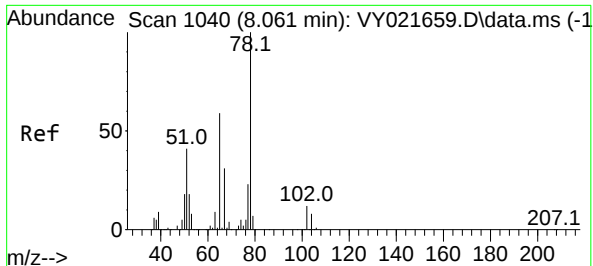
Tgt Ion: 84 Resp: 5220
Ion Ratio Lower Upper
84 100
49 112.3 102.8 154.2
51 33.1 33.5 50.3#
86 59.9 52.0 78.0



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Tgt Ion: 56 Resp: 4837
Ion Ratio Lower Upper
56 100
69 173.4 26.6 40.0#
84 157.6 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 53.879 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

Instrument :

MSVOA_Y

ClientSampleId :

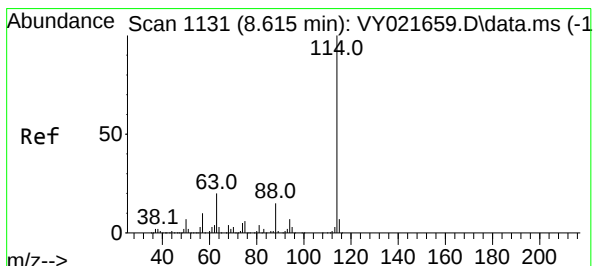
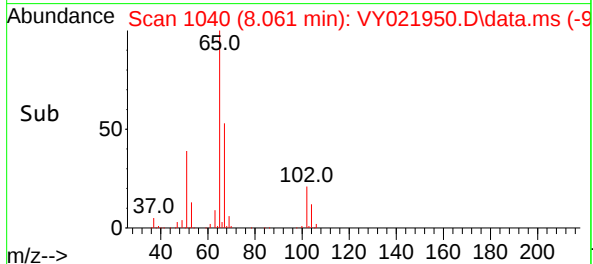
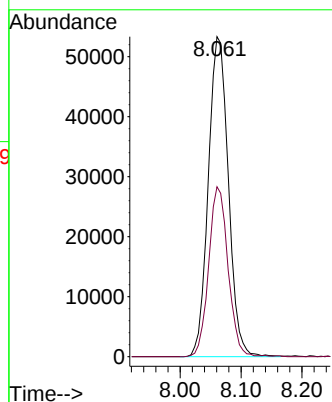
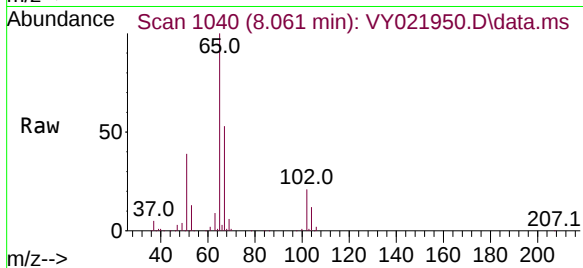
GP7

Tgt Ion: 65 Resp: 122099

Ion Ratio Lower Upper

65 100

67 51.2 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: VY021950.D

Acq: 21 Apr 2025 15:54

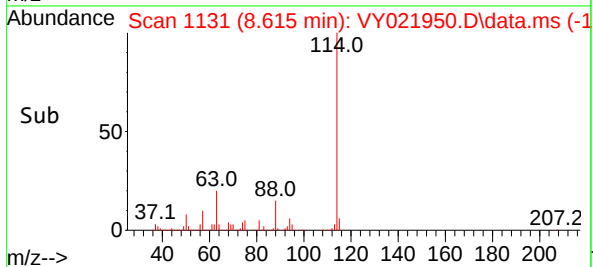
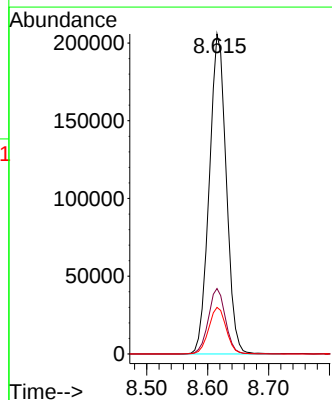
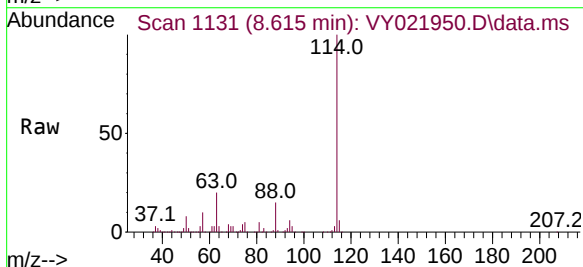
Tgt Ion: 114 Resp: 398558

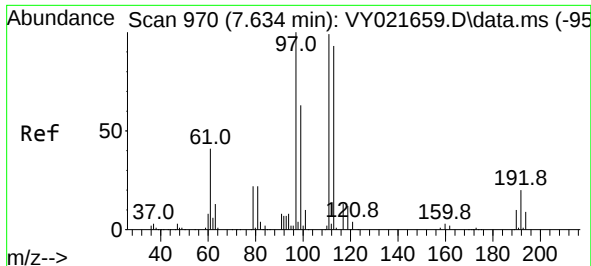
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.2

88 14.6 0.0 29.8

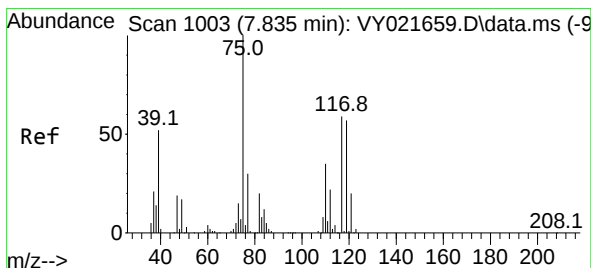
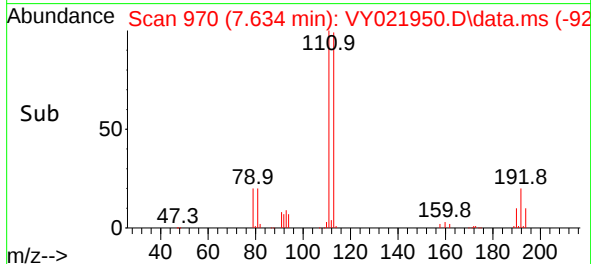
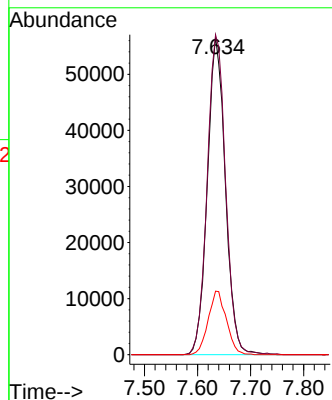
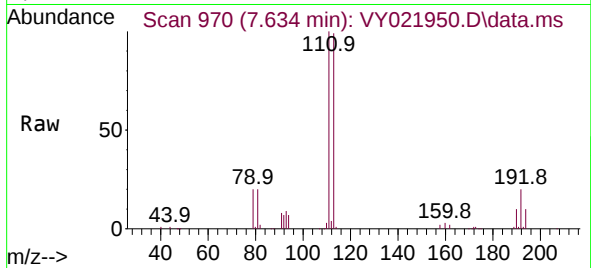




#35
Dibromofluoromethane
Concen: 51.645 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

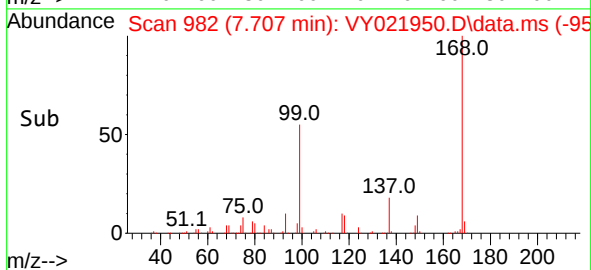
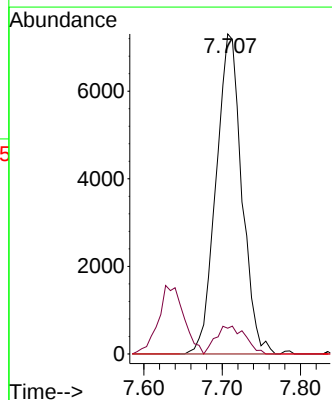
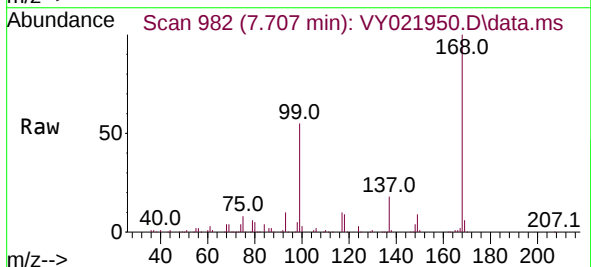
Instrument :
MSVOA_Y
ClientSampleId :
GP7

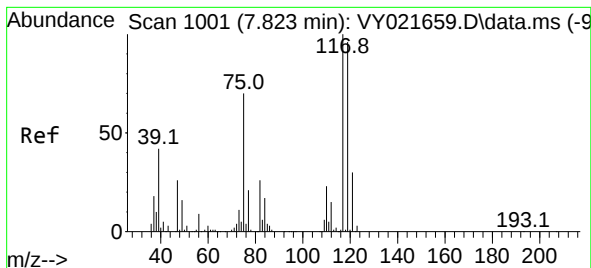
Tgt Ion:113 Resp: 133521
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 20.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.247 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Tgt Ion: 75 Resp: 16724
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.724 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

Instrument :

MSVOA_Y

ClientSampleId :

GP7

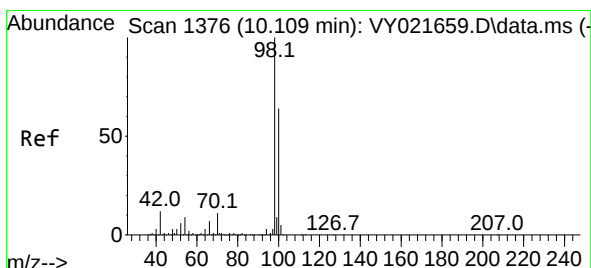
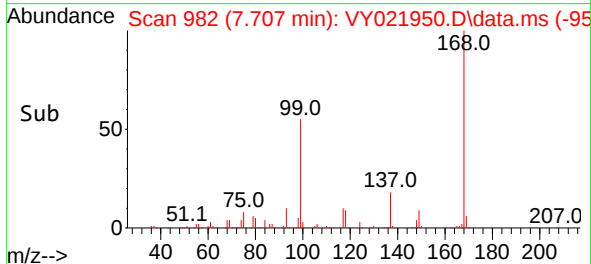
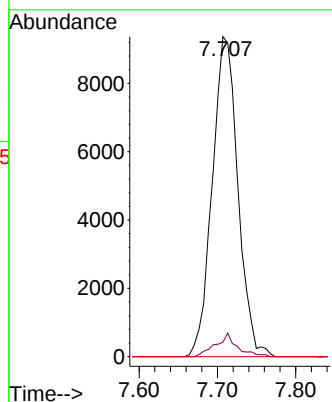
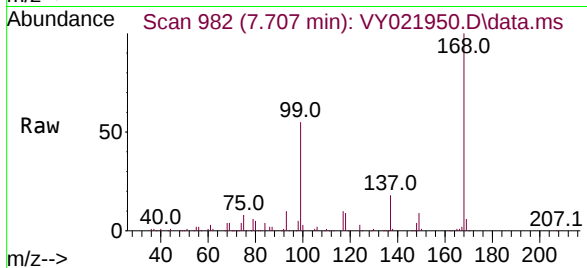
Tgt Ion:117 Resp: 21307

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 49.276 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021950.D

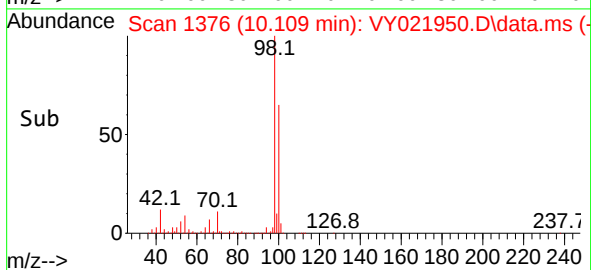
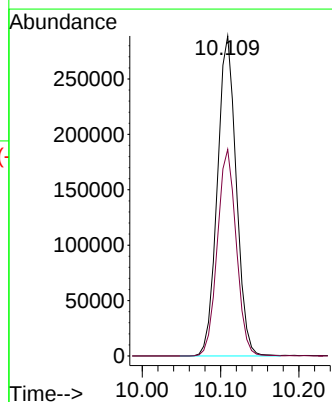
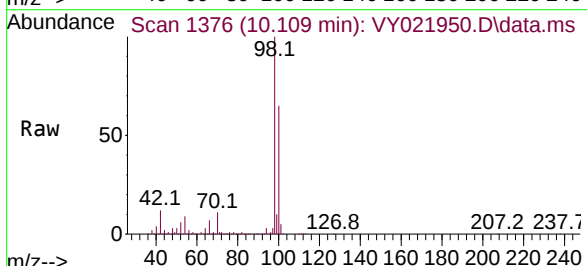
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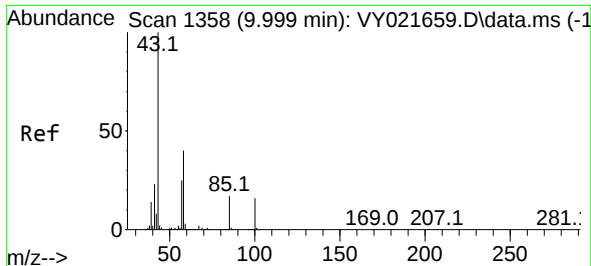
Tgt Ion: 98 Resp: 484652

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1

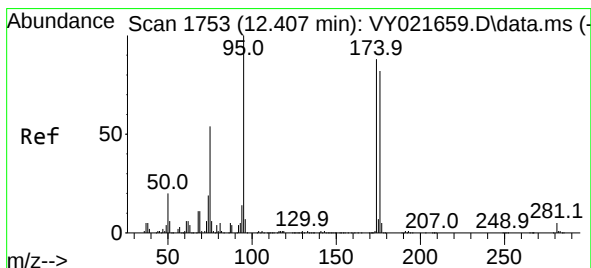
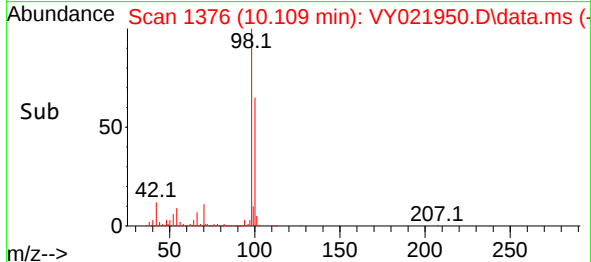
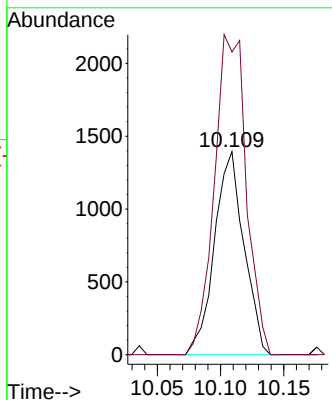
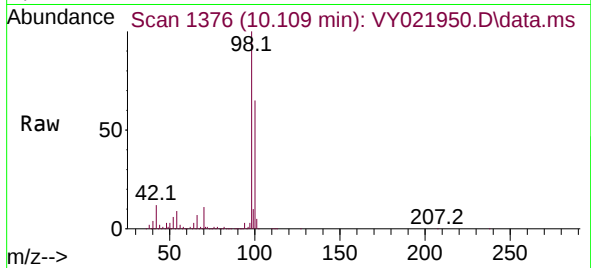




#51
4-Methyl-2-Pentanone
Concen: 1.235 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

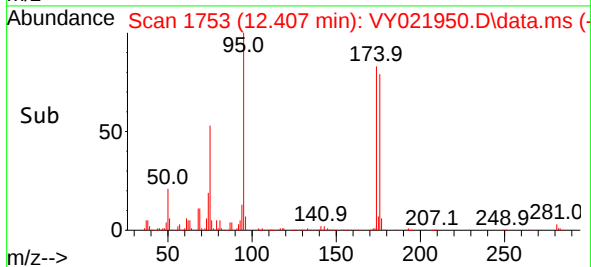
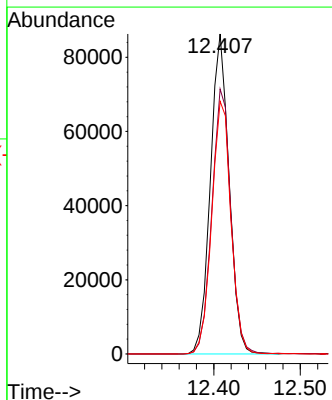
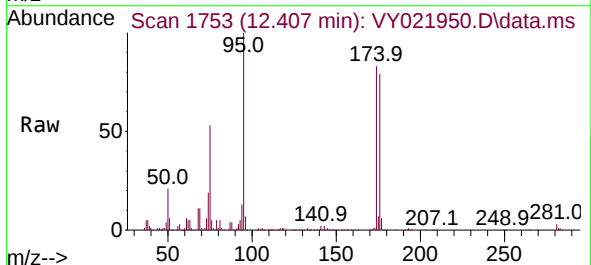
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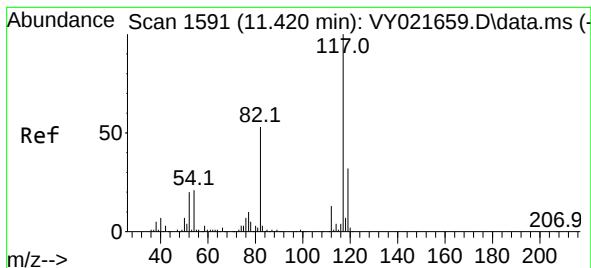
Tgt Ion: 43 Resp: 2264
Ion Ratio Lower Upper
43 100
58 170.8 31.5 47.3#



#62
4-Bromofluorobenzene
Concen: 38.921 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Tgt Ion: 95 Resp: 129483
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.8
176 81.2 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

Instrument :

MSVOA_Y

ClientSampleId :

GP7

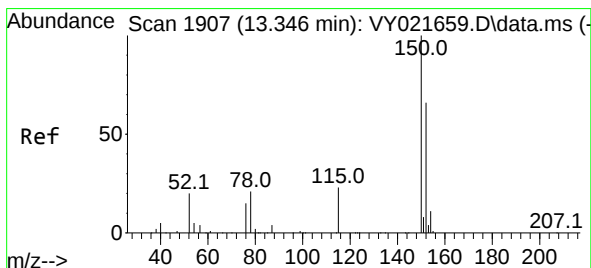
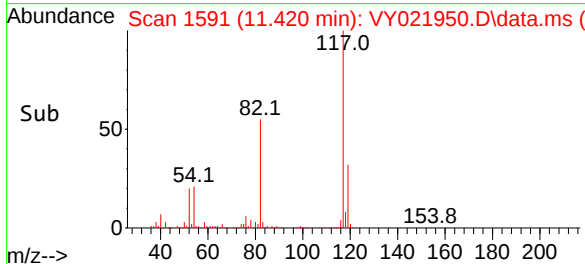
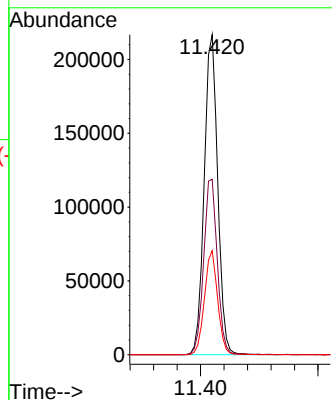
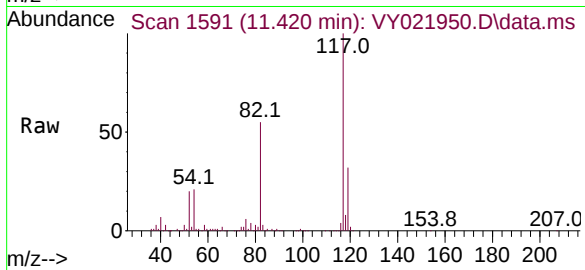
Tgt Ion:117 Resp: 345335

Ion Ratio Lower Upper

117 100

82 54.8 42.8 64.2

119 32.5 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: VY021950.D

Acq: 21 Apr 2025 15:54

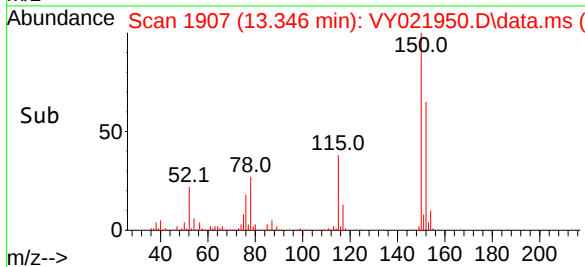
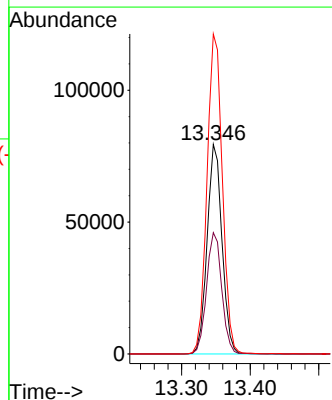
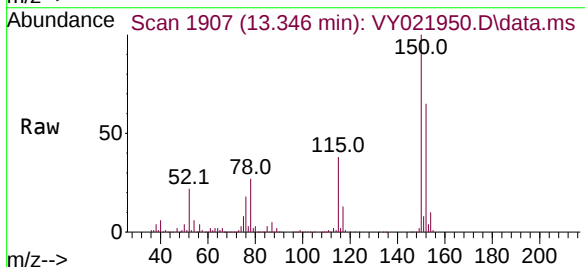
Tgt Ion:152 Resp: 119952

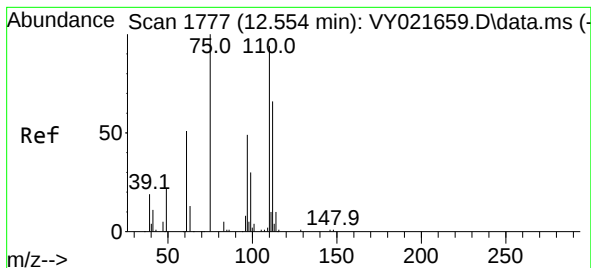
Ion Ratio Lower Upper

152 100

115 59.2 28.8 86.5

150 157.1 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 58.208 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

Instrument :

MSVOA_Y

ClientSampleId :

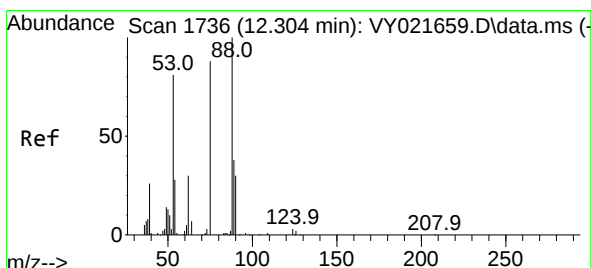
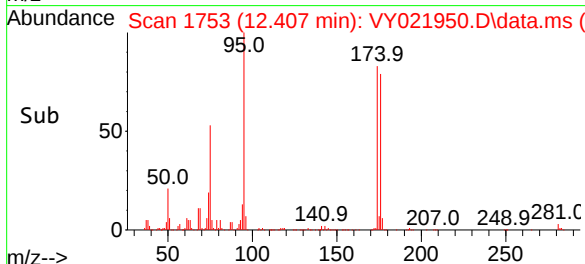
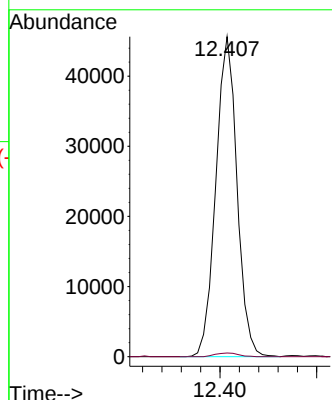
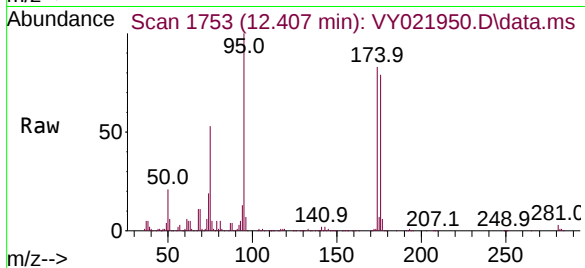
GP7

Tgt Ion: 75 Resp: 69211

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 134.121 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.103 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

Tgt Ion: 75 Resp: 69211

Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.0 36.2 54.4#

