

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021827.D
 Acq On : 10 Apr 2025 10:28
 Operator : SY/MD
 Sample : VY0410SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0410SBL01

Quant Time: Apr 11 01:49:03 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)

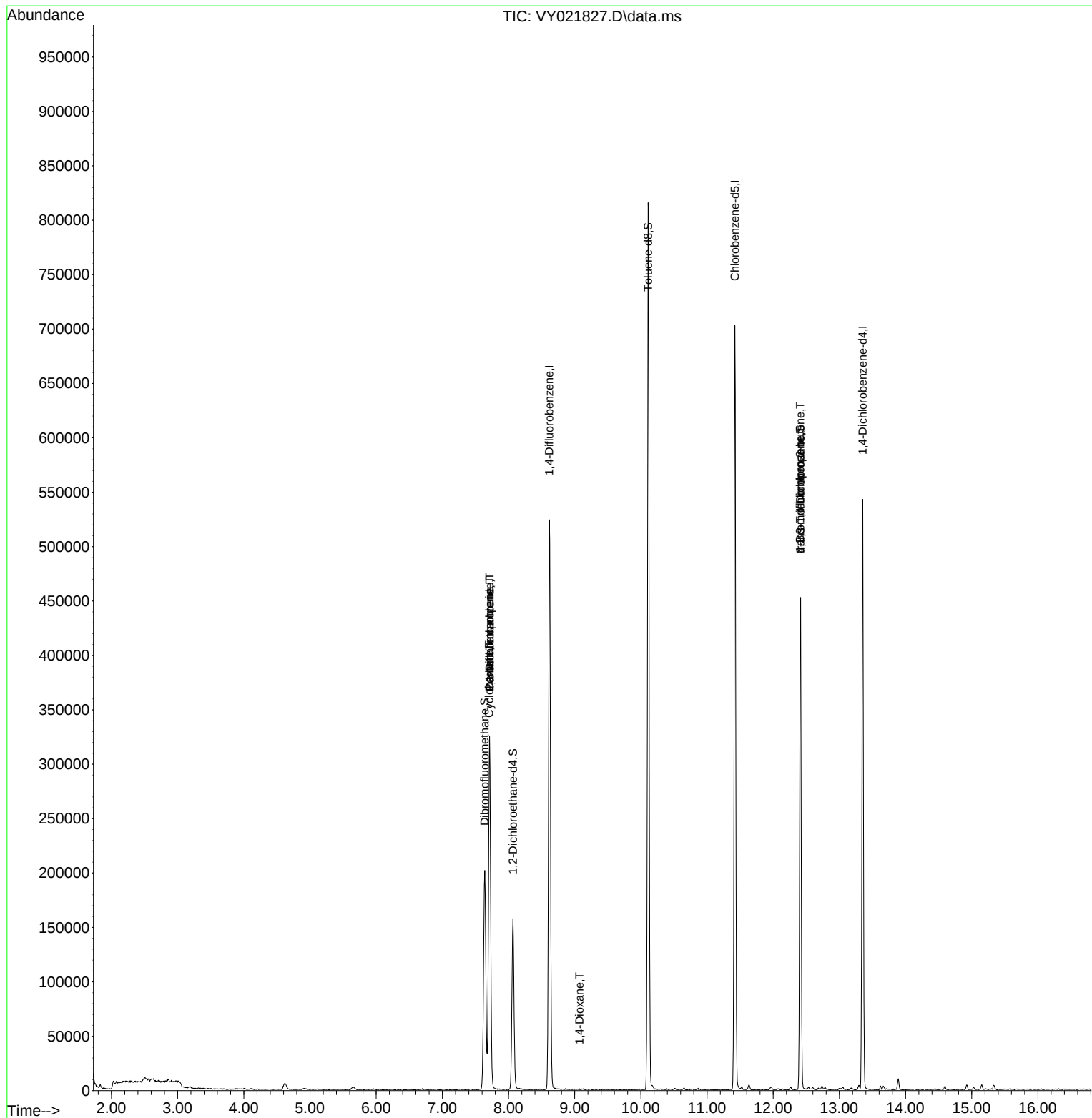
Internal Standards						
1) Pentafluorobenzene	7.713	168	241941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	436661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	362482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	131635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	122060	46.564	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.120%		
35) Dibromofluoromethane	7.640	113	141417	49.926	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.860%		
50) Toluene-d8	10.109	98	522401	48.479	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.960%		
62) 4-Bromofluorobenzene	12.408	95	139589	38.297	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	76.600%		
Target Compounds						
20) Methylene Chloride	4.622	84	4187	Below Cal	#	71
31) Cyclohexane	7.707	56	5514	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	19328	4.480	ug/l #	51
38) Carbon Tetrachloride	7.713	117	25058	5.071	ug/l #	17
49) 1,4-Dioxane	9.073	88	24	1.271	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	73199	56.098	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	73199	129.259	ug/l #	12

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

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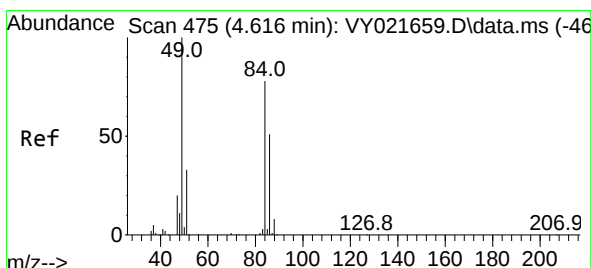
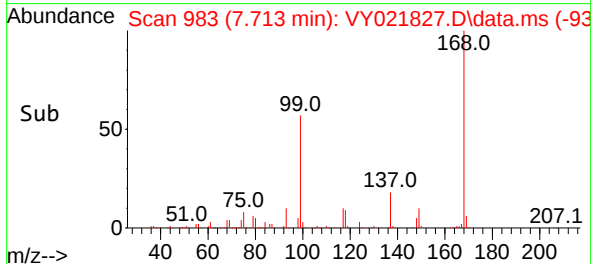
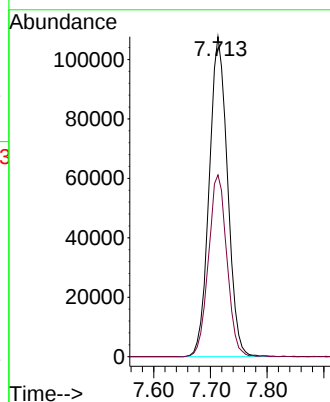
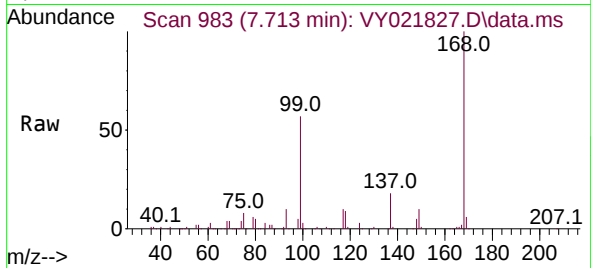




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

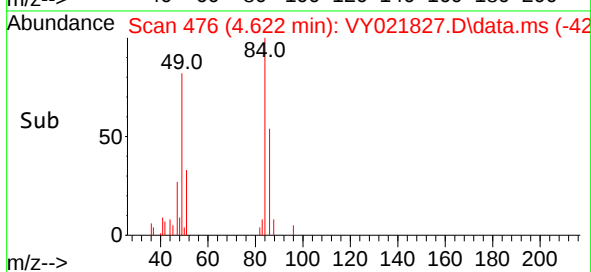
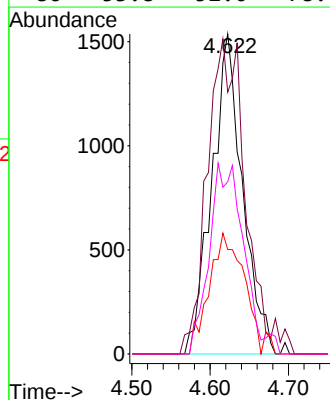
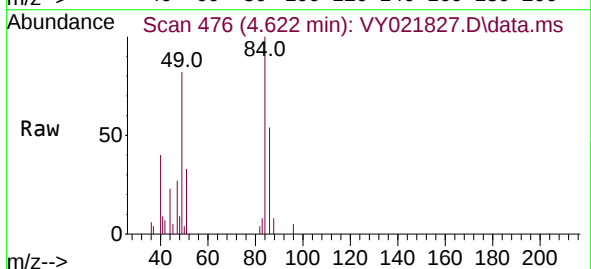
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

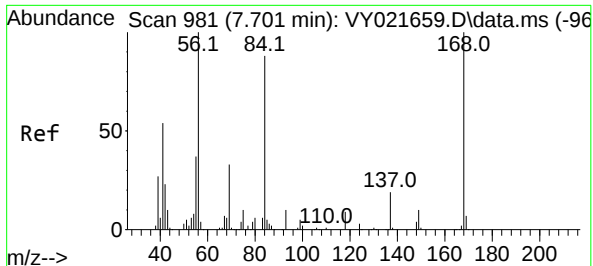
Tgt Ion:168 Resp: 241941
Ion Ratio Lower Upper
168 100
99 56.8 46.7 70.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Tgt Ion: 84 Resp: 4187
Ion Ratio Lower Upper
84 100
49 81.8 102.8 154.2#
51 32.7 33.5 50.3#
86 53.8 52.0 78.0

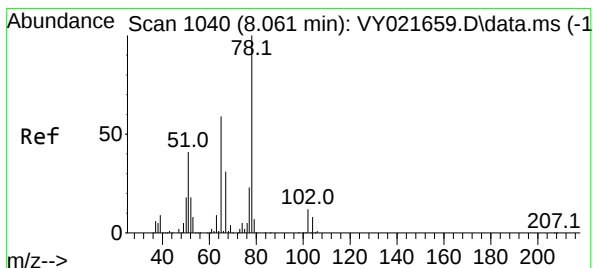
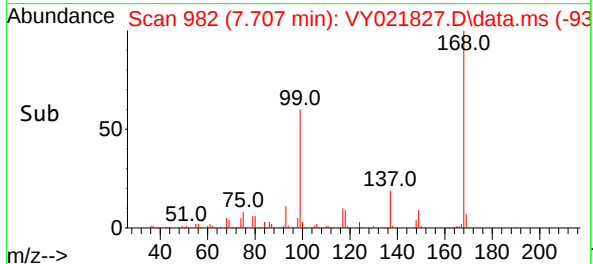
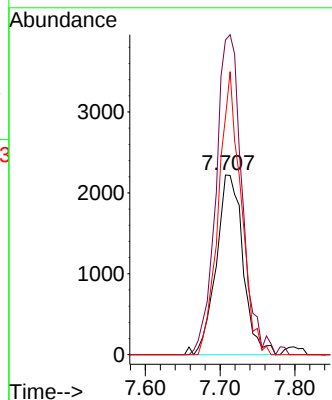
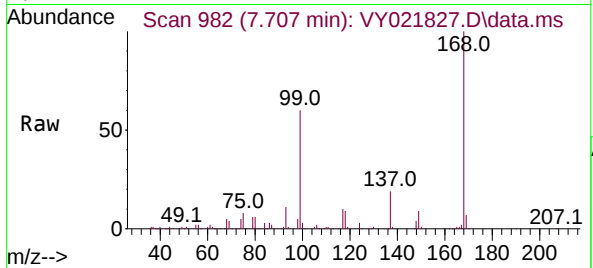




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

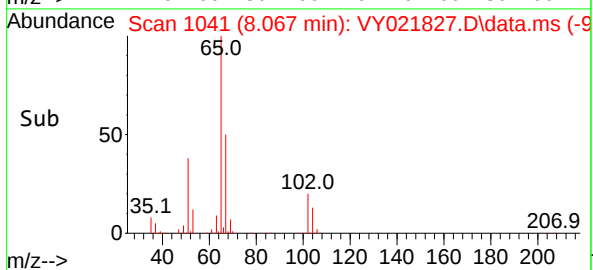
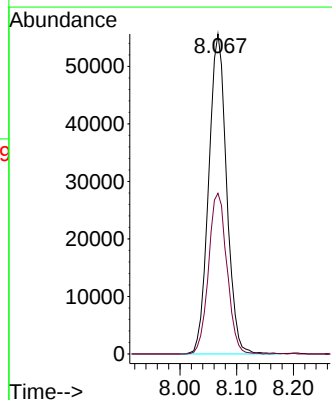
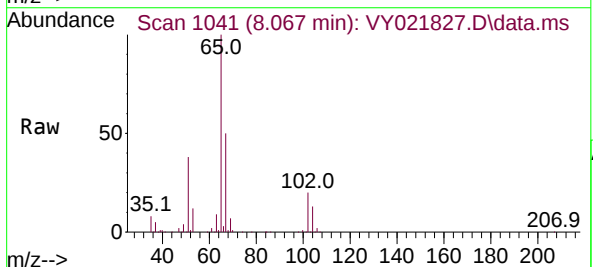
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

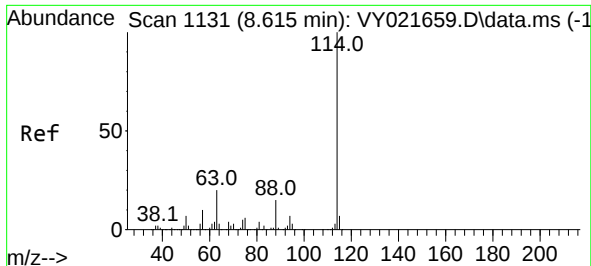
Tgt Ion: 56 Resp: 5514
Ion Ratio Lower Upper
56 100
69 175.1 26.6 40.0#
84 132.2 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 46.564 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Tgt Ion: 65 Resp: 122060
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021827.D

Acq: 10 Apr 2025 10:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBL01

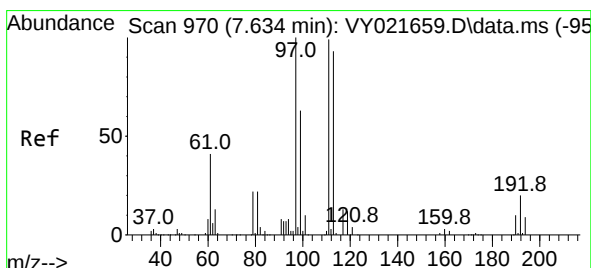
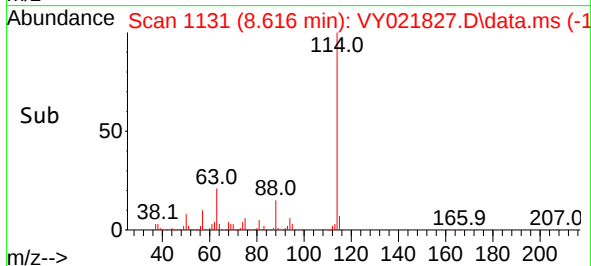
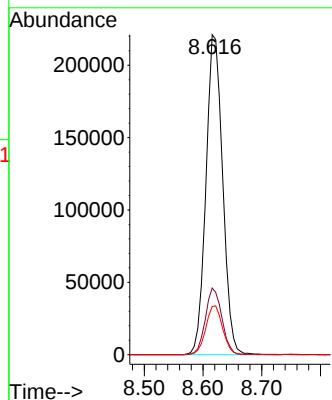
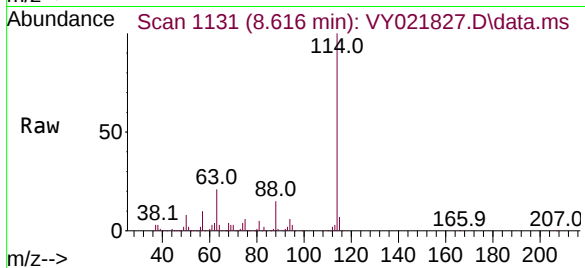
Tgt Ion:114 Resp: 436661

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 49.926 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY021827.D

Acq: 10 Apr 2025 10:28

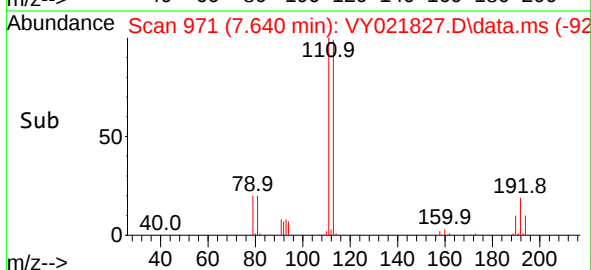
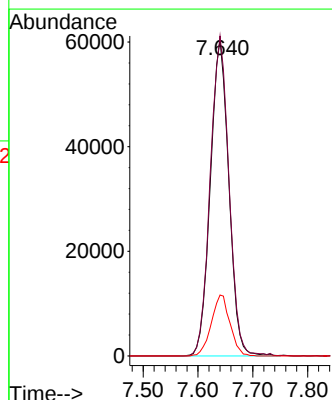
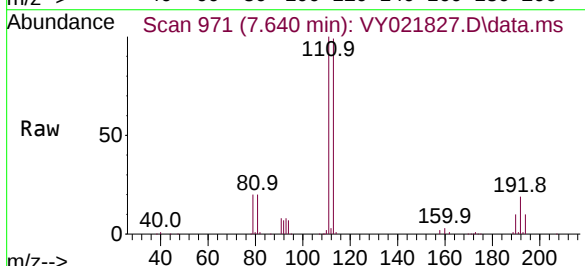
Tgt Ion:113 Resp: 141417

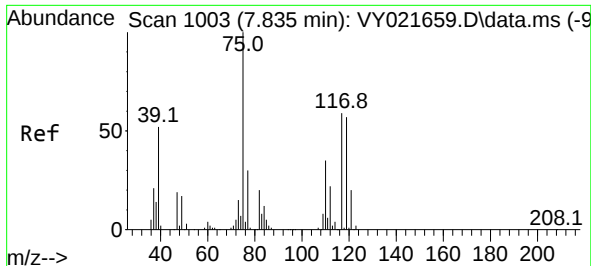
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 19.4 16.2 24.4

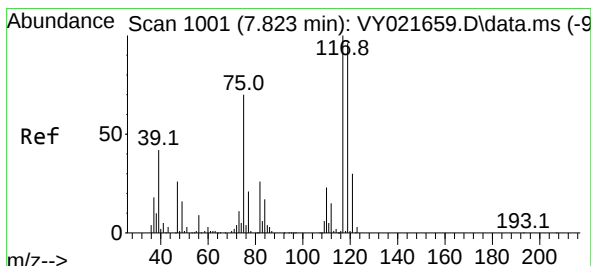
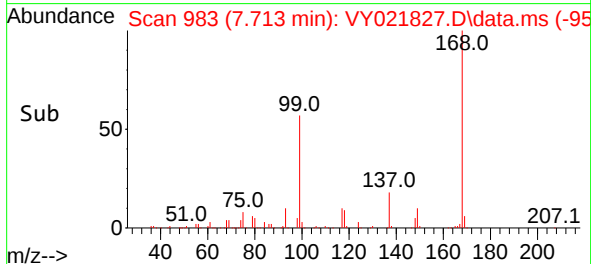
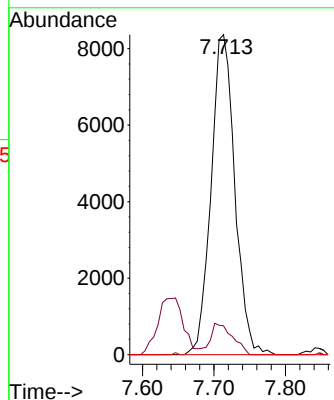
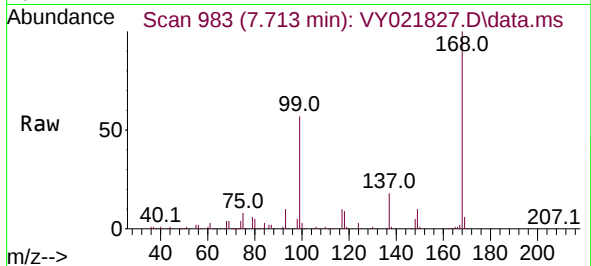




#36
1,1-Dichloropropene
Concen: 4.480 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

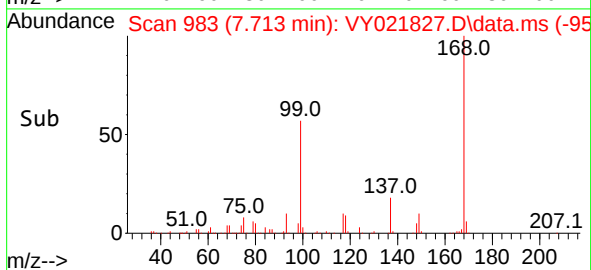
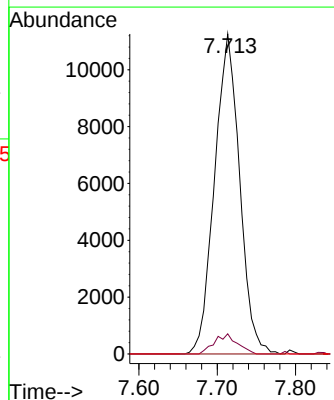
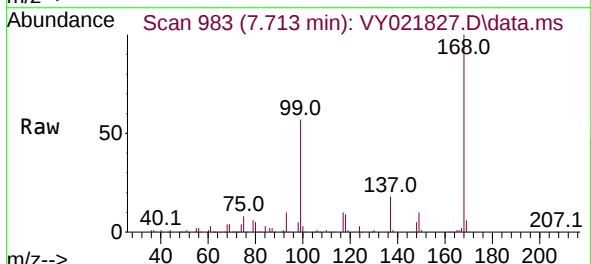
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

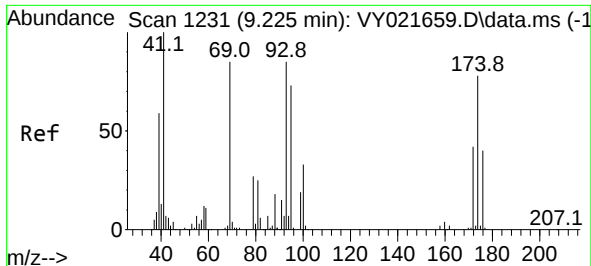
Tgt Ion: 75 Resp: 19328
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.071 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Tgt Ion: 117 Resp: 25058
Ion Ratio Lower Upper
117 100
119 6.3 76.2 114.4#
121 0.0 24.2 36.4#





#49

1,4-Dioxane

Concen: 1.271 ug/l

RT: 9.073 min Scan# 1

Delta R.T. -0.152 min

Lab File: VY021827.D

Acq: 10 Apr 2025 10:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBL01

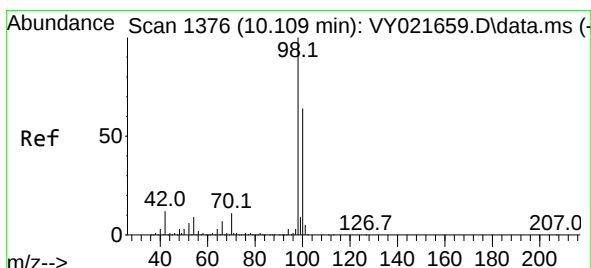
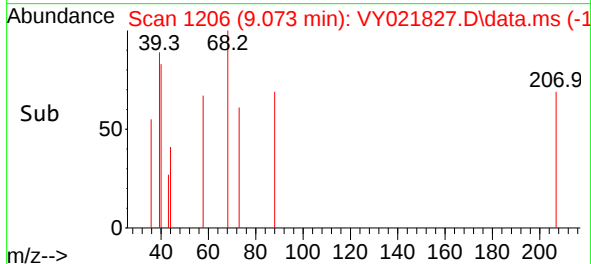
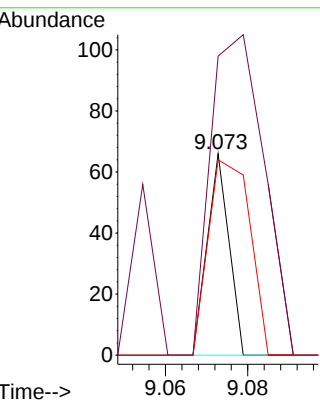
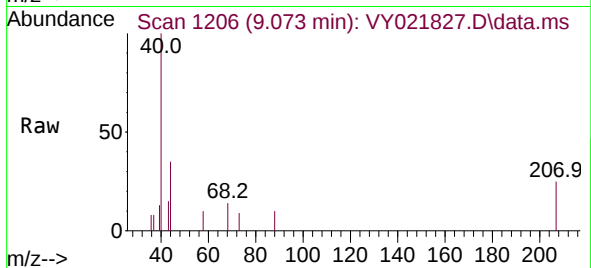
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 395.8 28.8 43.2#

58 187.5 59.4 89.2#



#50

Toluene-d8

Concen: 48.479 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021827.D

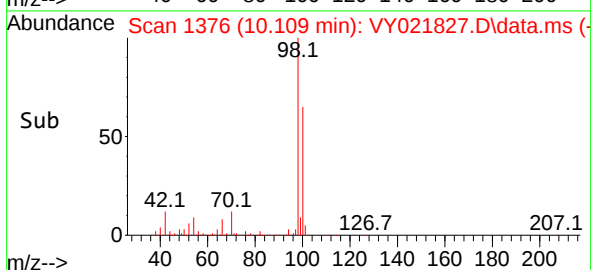
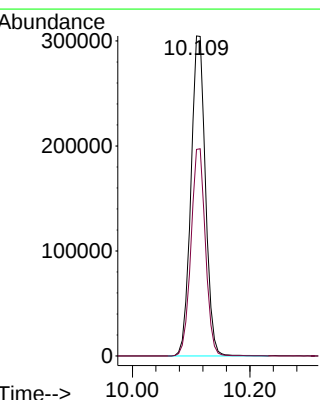
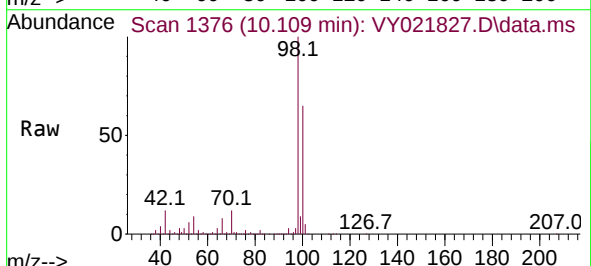
Acq: 10 Apr 2025 10:28

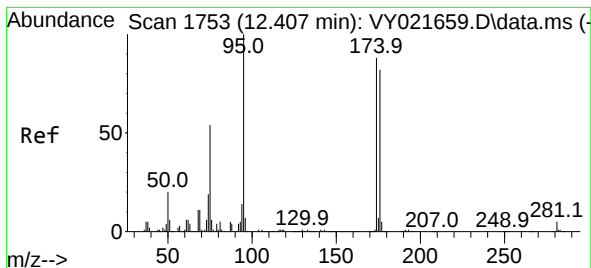
Tgt Ion: 98 Resp: 522401

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 38.297 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021827.D

Acq: 10 Apr 2025 10:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBL01

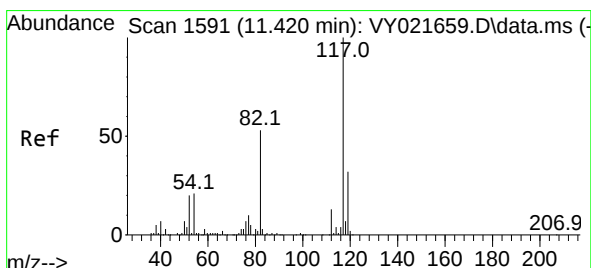
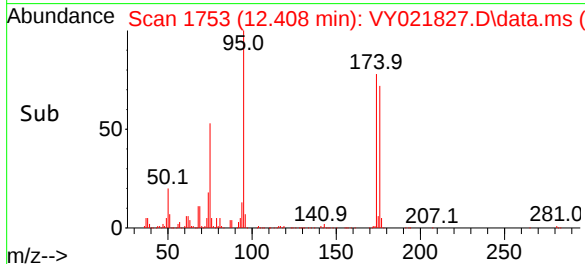
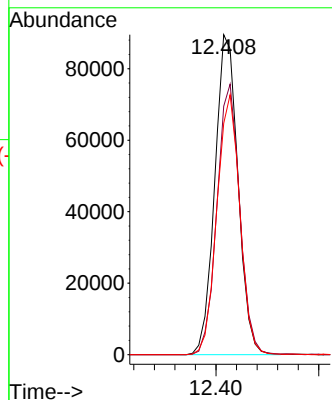
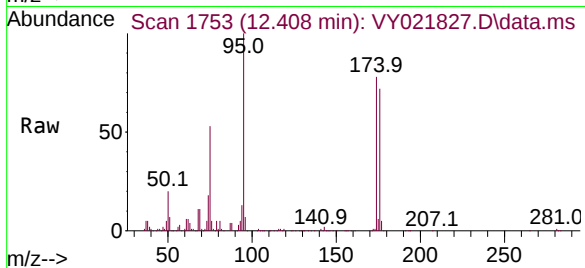
Tgt Ion: 95 Resp: 139589

Ion Ratio Lower Upper

95 100

174 83.3 0.0 170.8

176 80.5 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021827.D

Acq: 10 Apr 2025 10:28

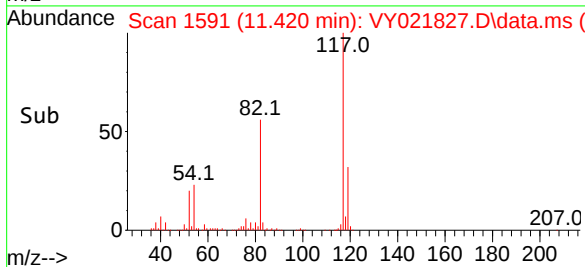
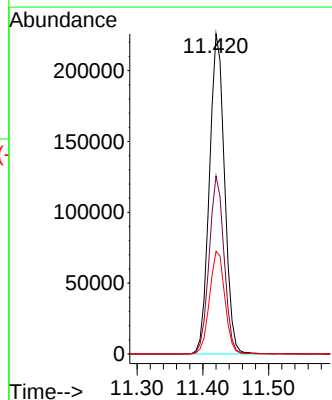
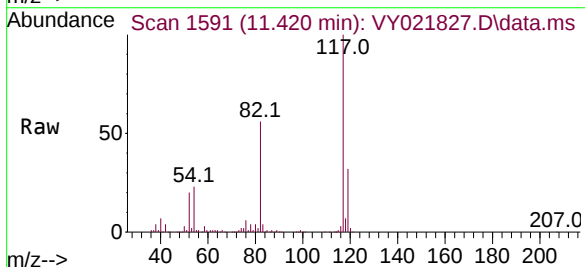
Tgt Ion: 117 Resp: 362482

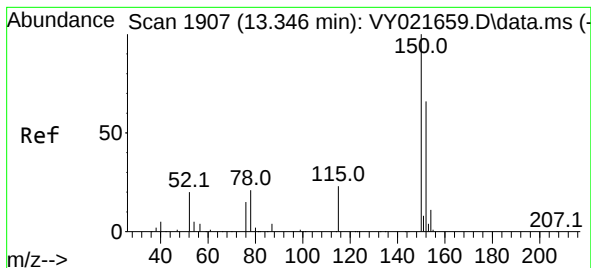
Ion Ratio Lower Upper

117 100

82 55.6 42.8 64.2

119 32.1 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY021827.D

Acq: 10 Apr 2025 10:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0410SBL01

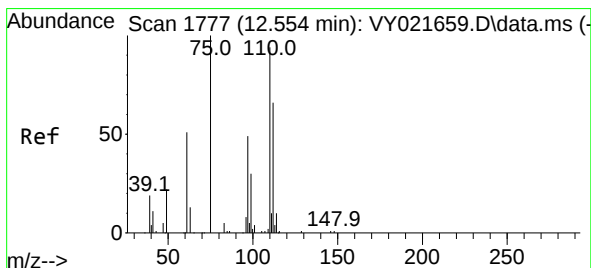
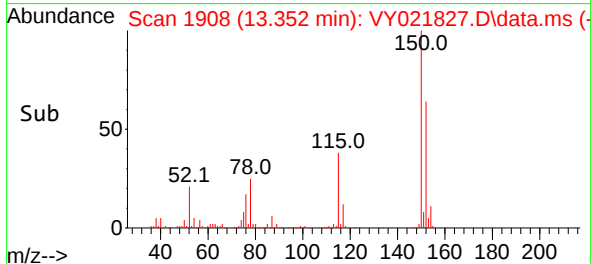
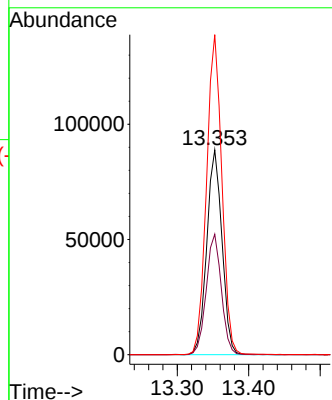
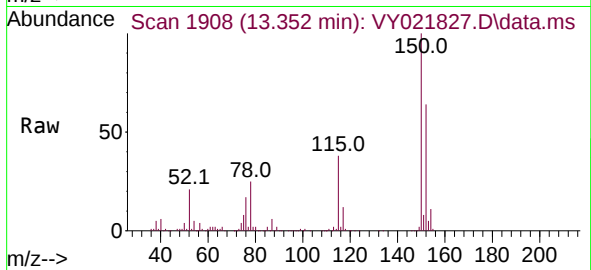
Tgt Ion:152 Resp: 131635

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 157.0 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 56.098 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021827.D

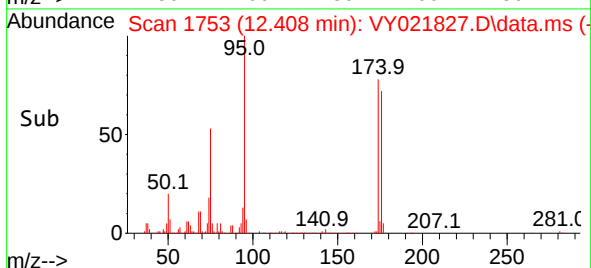
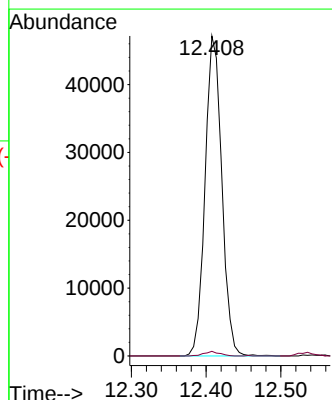
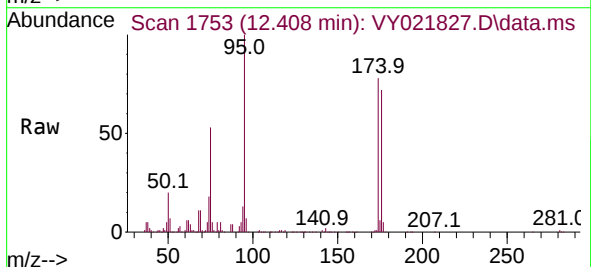
Acq: 10 Apr 2025 10:28

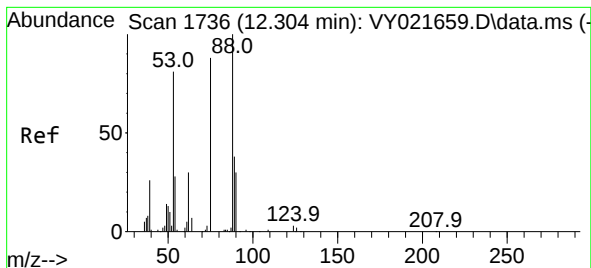
Tgt Ion: 75 Resp: 73199

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.259 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021827.D
 Acq: 10 Apr 2025 10:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0410SBL01

Tgt Ion: 75 Resp: 73199
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.2 54.4#

