

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021831.D
 Acq On : 10 Apr 2025 12:29
 Operator : SY/MD
 Sample : Q1754-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1RE

Quant Time: Apr 11 01:50:09 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)

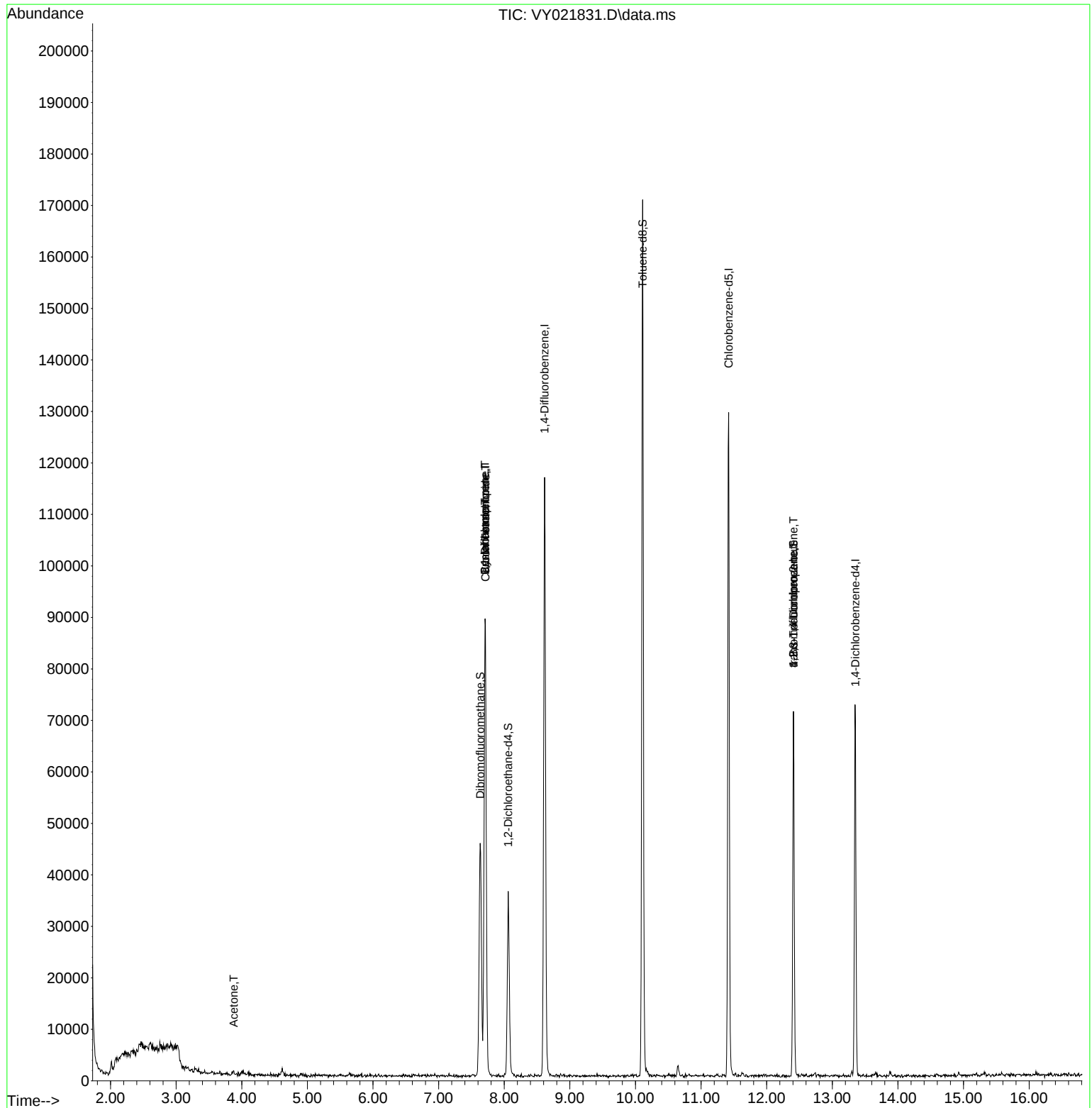
Internal Standards						
1) Pentafluorobenzene	7.707	168	66500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	95639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	68039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	18512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27353	37.963	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	75.920%		
35) Dibromofluoromethane	7.634	113	32892	53.018	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.040%		
50) Toluene-d8	10.109	98	108943	46.159	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.320%		
62) 4-Bromofluorobenzene	12.408	95	20998	26.303	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	52.600%		
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	376	2.550	ug/l #	76
20) Methylene Chloride	4.622	84	605	Below Cal	#	75
31) Cyclohexane	7.707	56	1582	1.244	ug/l #	21
36) 1,1-Dichloropropene	7.707	75	5437	5.754	ug/l #	52
38) Carbon Tetrachloride	7.713	117	6724	6.213	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	11002	59.956	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	11002	138.149	ug/l #	11

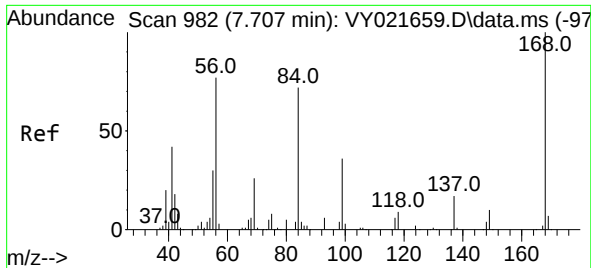
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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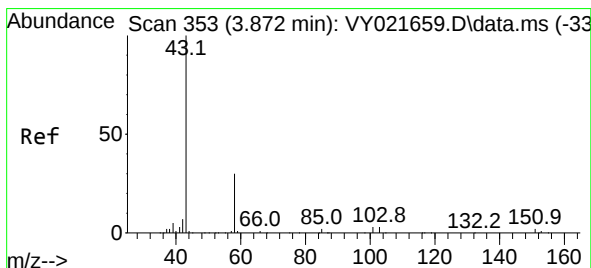
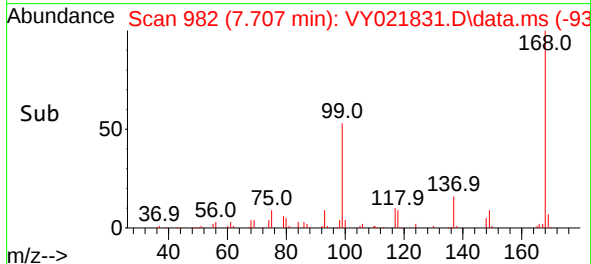
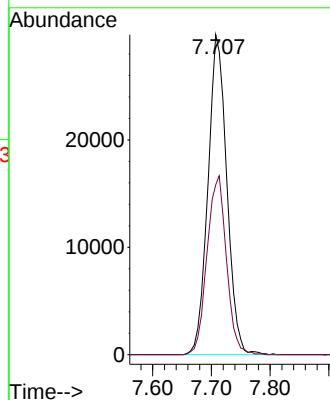
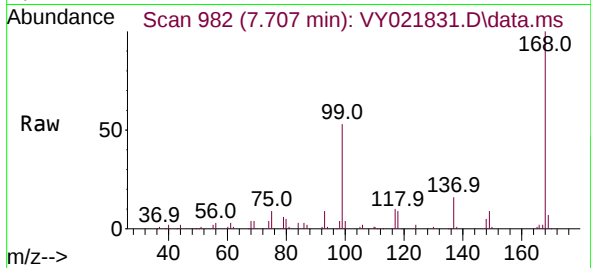




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021831.D
Acq: 10 Apr 2025 12:29

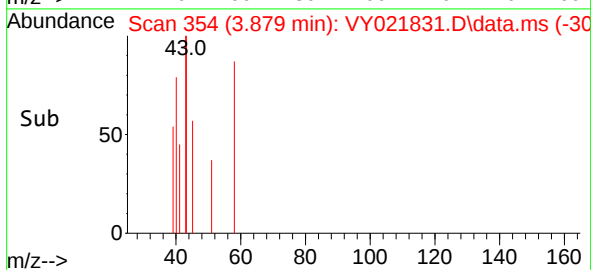
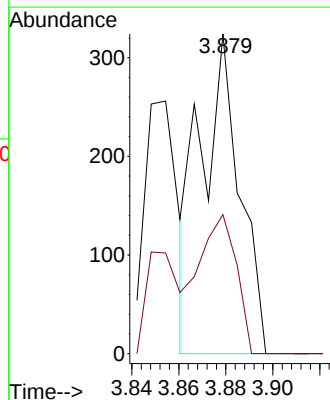
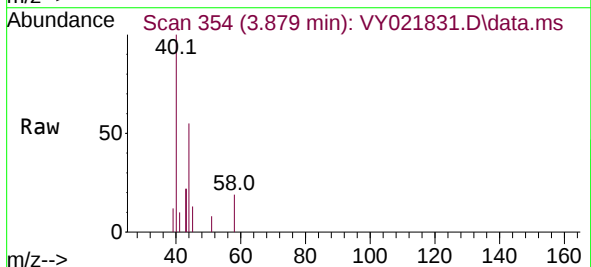
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

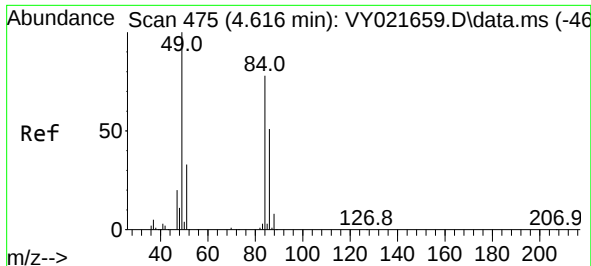
Tgt Ion:168 Resp: 66500
Ion Ratio Lower Upper
168 100
99 53.0 46.7 70.1



#16
Acetone
Concen: 2.550 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021831.D
Acq: 10 Apr 2025 12:29

Tgt Ion: 43 Resp: 376
Ion Ratio Lower Upper
43 100
58 43.5 24.2 36.4#

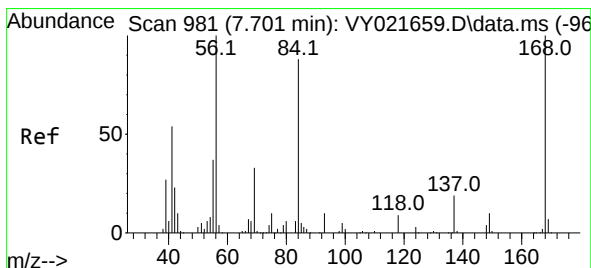
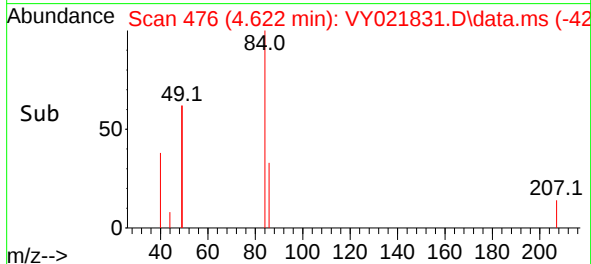
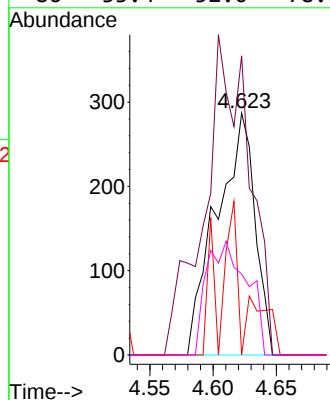
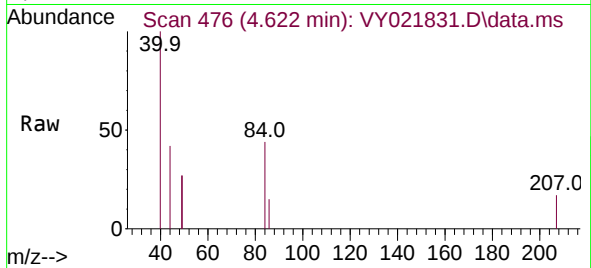




#20
Methylene Chloride
Concen: Below Cal
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021831.D
Acq: 10 Apr 2025 12:29

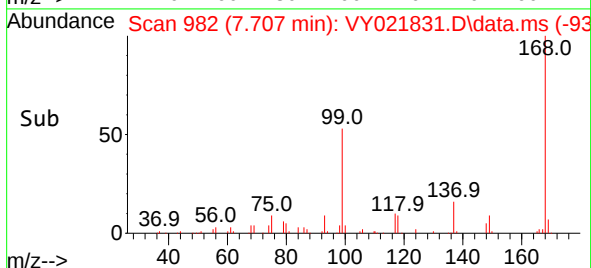
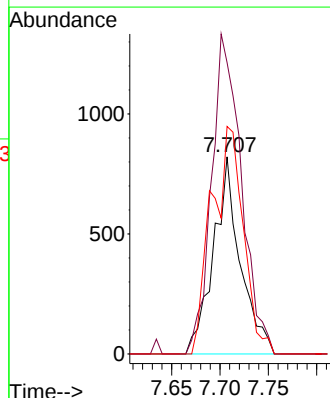
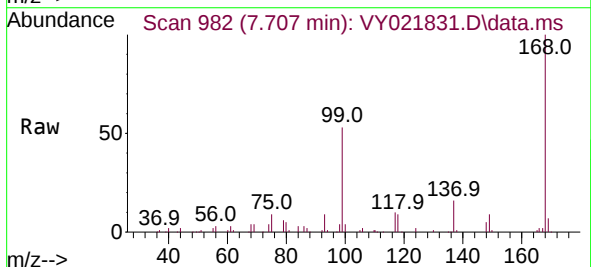
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

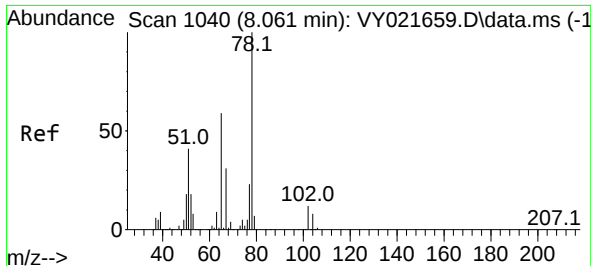
Tgt Ion: 84 Resp: 605
Ion Ratio Lower Upper
84 100
49 123.7 102.8 154.2
51 0.0 33.5 50.3#
86 33.4 52.0 78.0#



#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021831.D
Acq: 10 Apr 2025 12:29

Tgt Ion: 56 Resp: 1582
Ion Ratio Lower Upper
56 100
69 147.9 26.6 40.0#
84 115.5 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 37.963 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY021831.D

Acq: 10 Apr 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

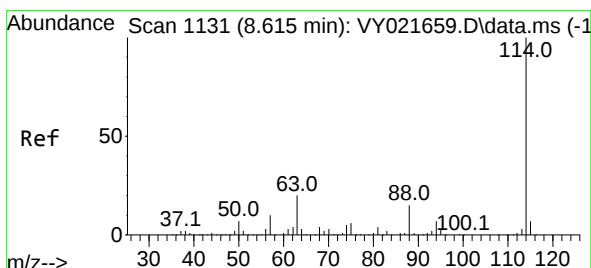
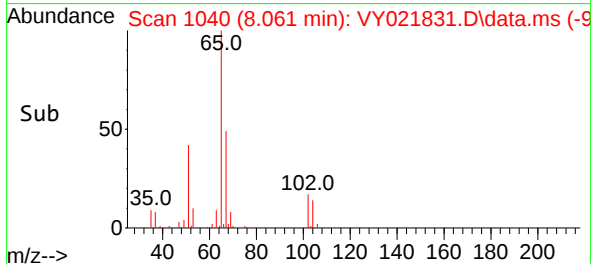
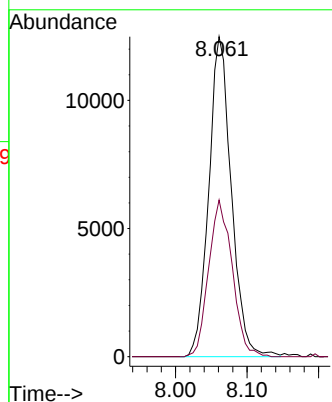
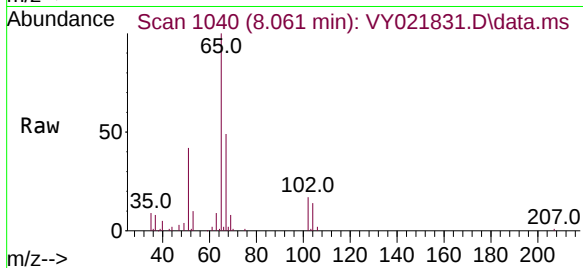
TP-1RE

Tgt Ion: 65 Resp: 27353

Ion Ratio Lower Upper

65 100

67 51.2 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: VY021831.D

Acq: 10 Apr 2025 12:29

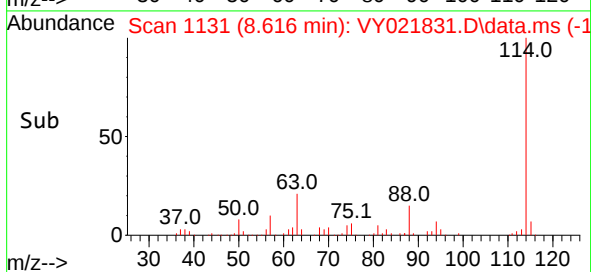
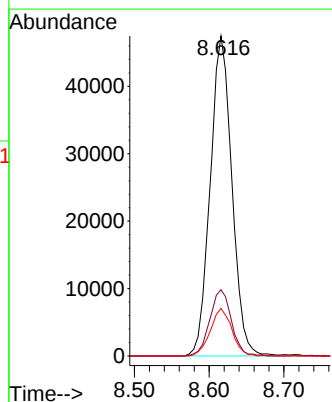
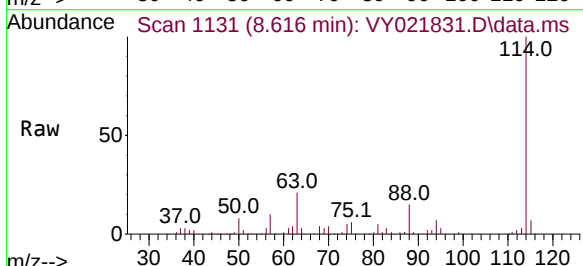
Tgt Ion: 114 Resp: 95639

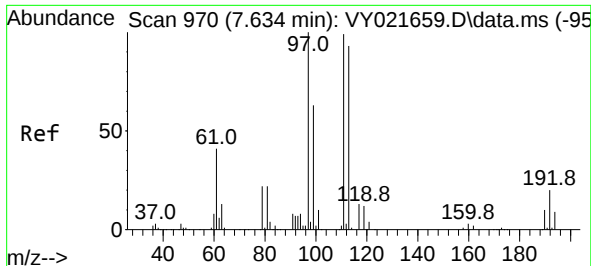
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

88 14.9 0.0 29.8

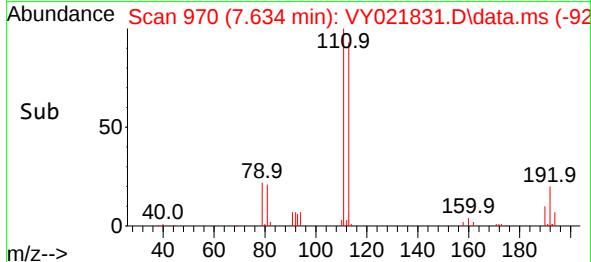
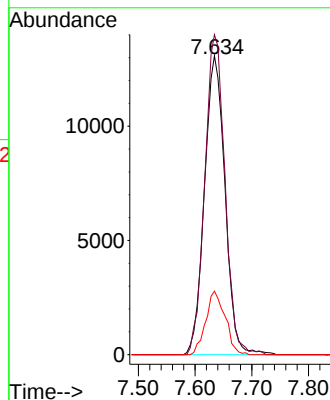
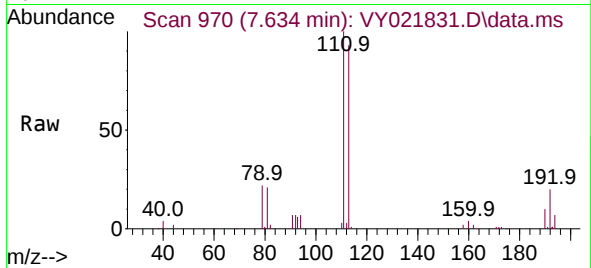




#35
Dibromofluoromethane
Concen: 53.018 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021831.D
Acq: 10 Apr 2025 12:29

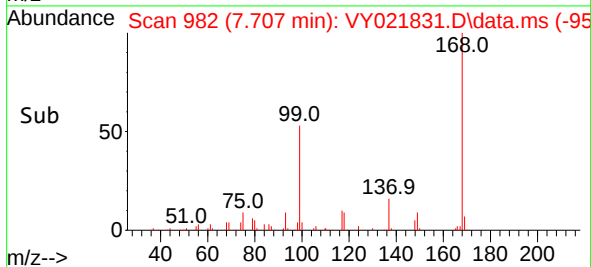
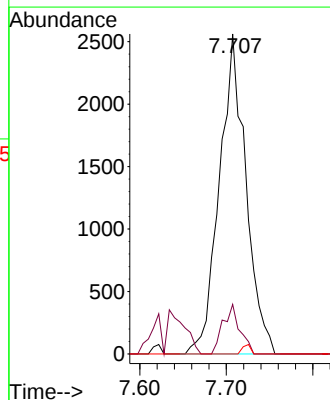
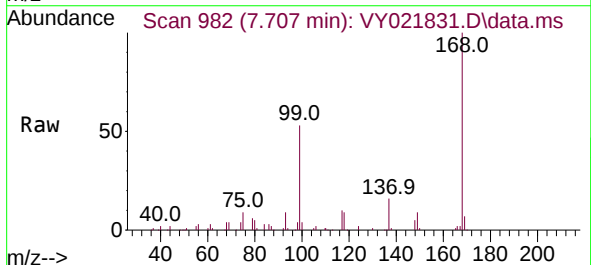
Instrument :
MSVOA_Y
ClientSampleId :
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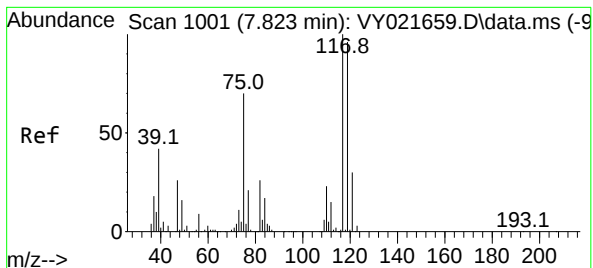
Tgt Ion:113 Resp: 32892
Ion Ratio Lower Upper
113 100
111 105.2 82.6 123.8
192 20.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.754 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021831.D
Acq: 10 Apr 2025 12:29

Tgt Ion: 75 Resp: 5437
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.9 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.213 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.109 min

Lab File: VY021831.D

Acq: 10 Apr 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

TP-1RE

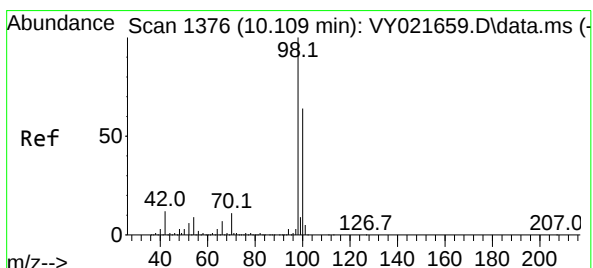
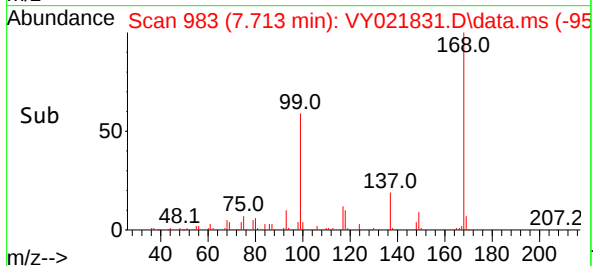
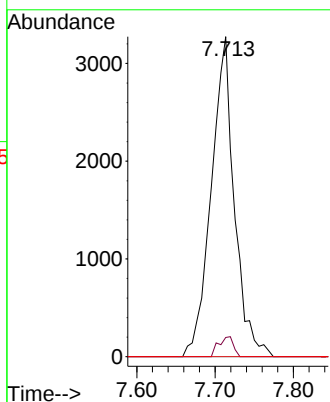
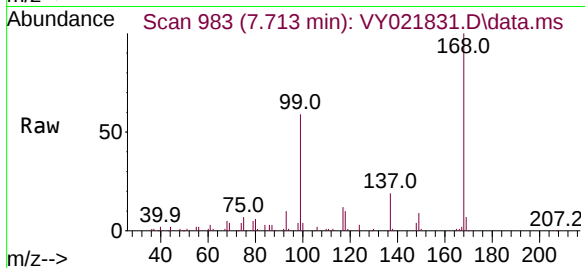
Tgt Ion:117 Resp: 6724

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 46.159 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021831.D

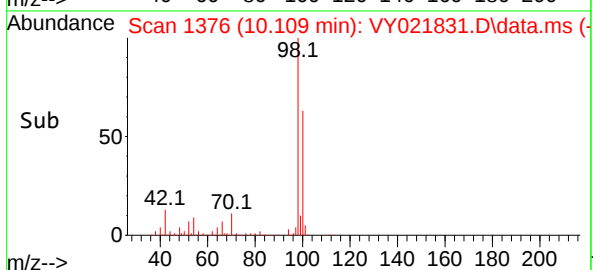
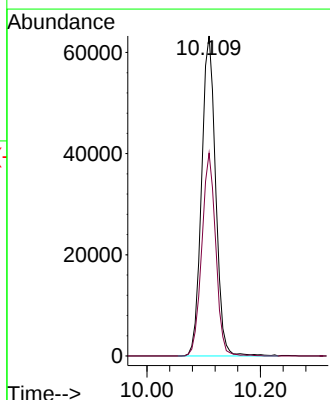
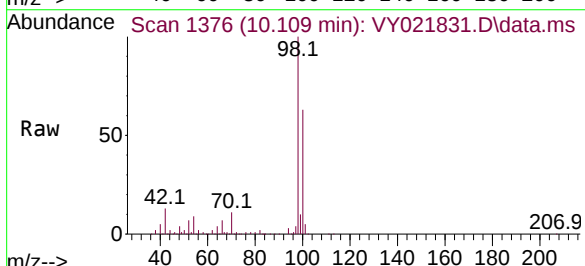
Acq: 10 Apr 2025 12:29

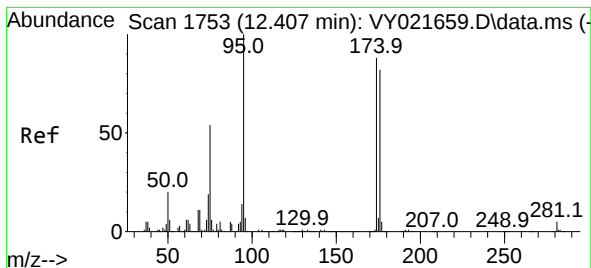
Tgt Ion: 98 Resp: 108943

Ion Ratio Lower Upper

98 100

100 62.7 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 26.303 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021831.D

Acq: 10 Apr 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

TP-1RE

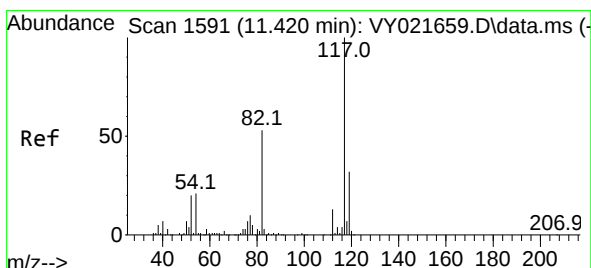
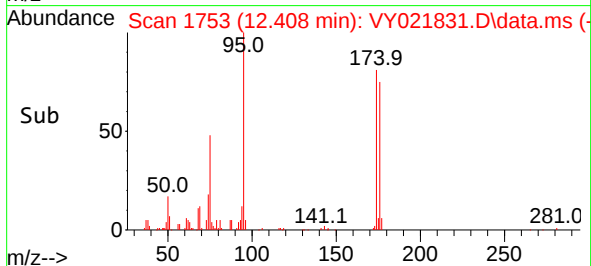
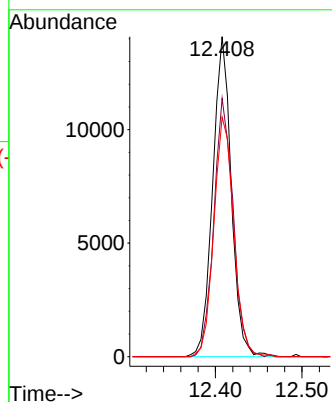
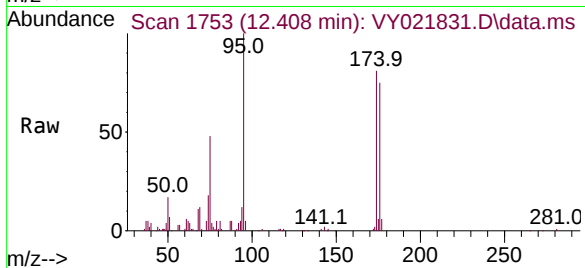
Tgt Ion: 95 Resp: 20998

Ion Ratio Lower Upper

95 100

174 83.5 0.0 170.8

176 80.0 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: VY021831.D

Acq: 10 Apr 2025 12:29

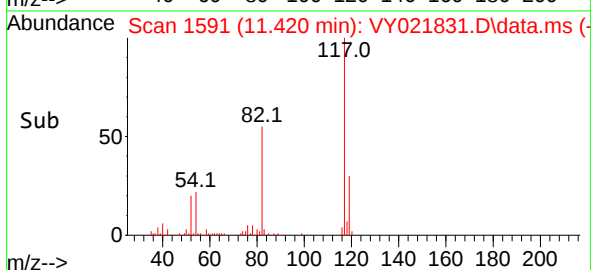
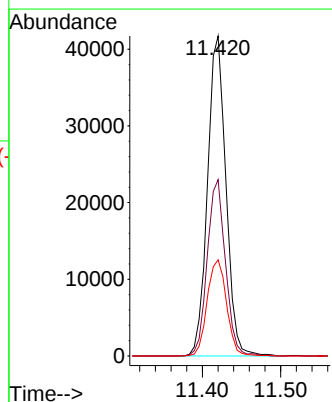
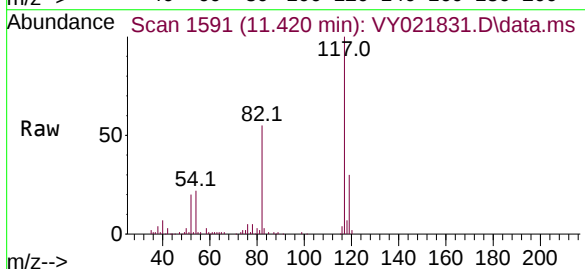
Tgt Ion: 117 Resp: 68039

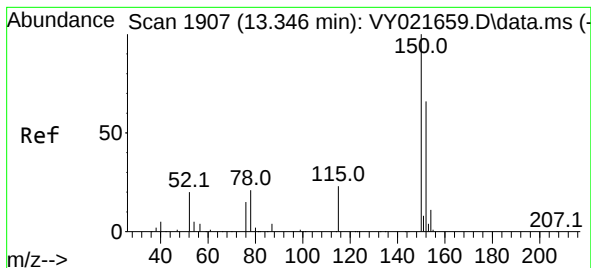
Ion Ratio Lower Upper

117 100

82 55.1 42.8 64.2

119 30.1 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY021831.D

Acq: 10 Apr 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

TP-1RE

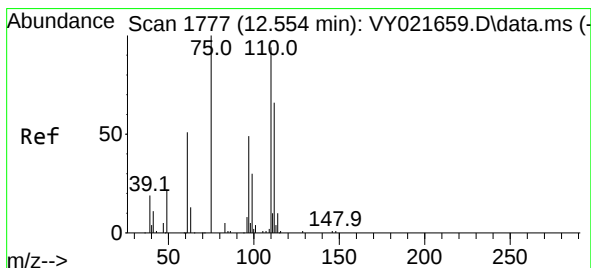
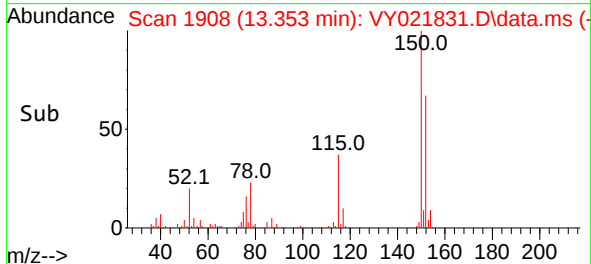
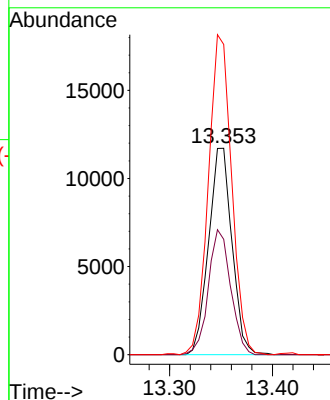
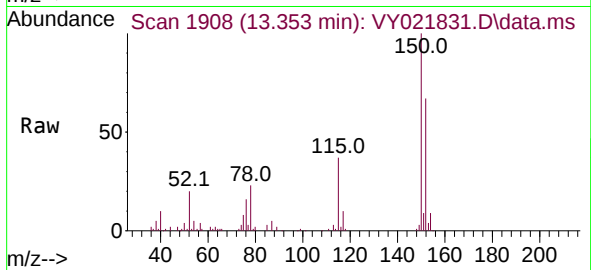
Tgt Ion:152 Resp: 18512

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 154.3 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 59.956 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021831.D

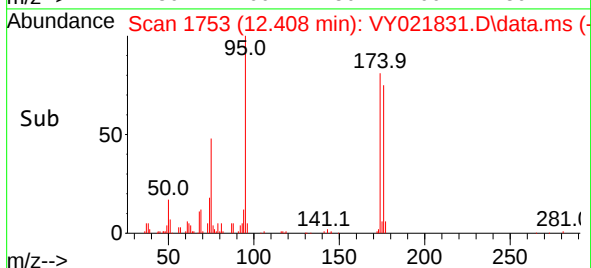
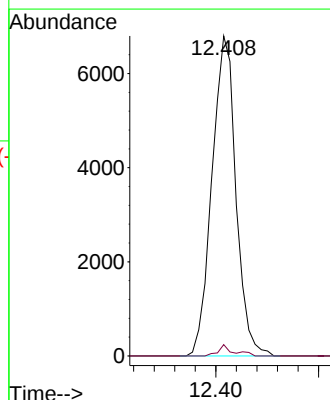
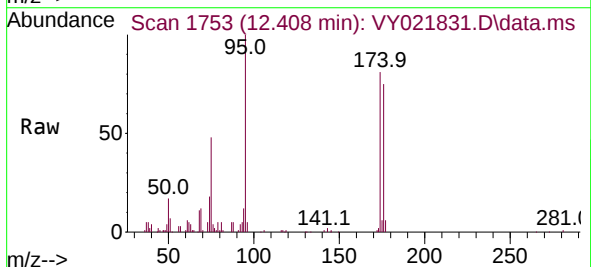
Acq: 10 Apr 2025 12:29

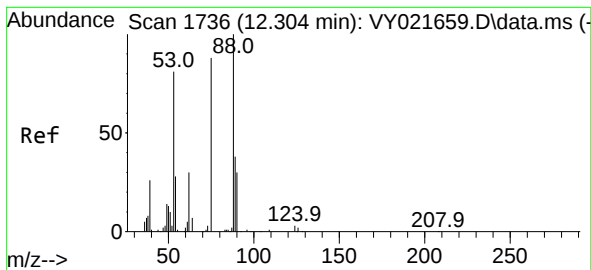
Tgt Ion: 75 Resp: 11002

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.149 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021831.D
 Acq: 10 Apr 2025 12:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1RE

Tgt Ion: 75 Resp: 11002
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.0 36.2 54.4#

