

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081424\
 Data File : VY019065.D
 Acq On : 14 Aug 2024 17:55
 Operator : SY/MD
 Sample : P3580-04
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 14 21:49:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

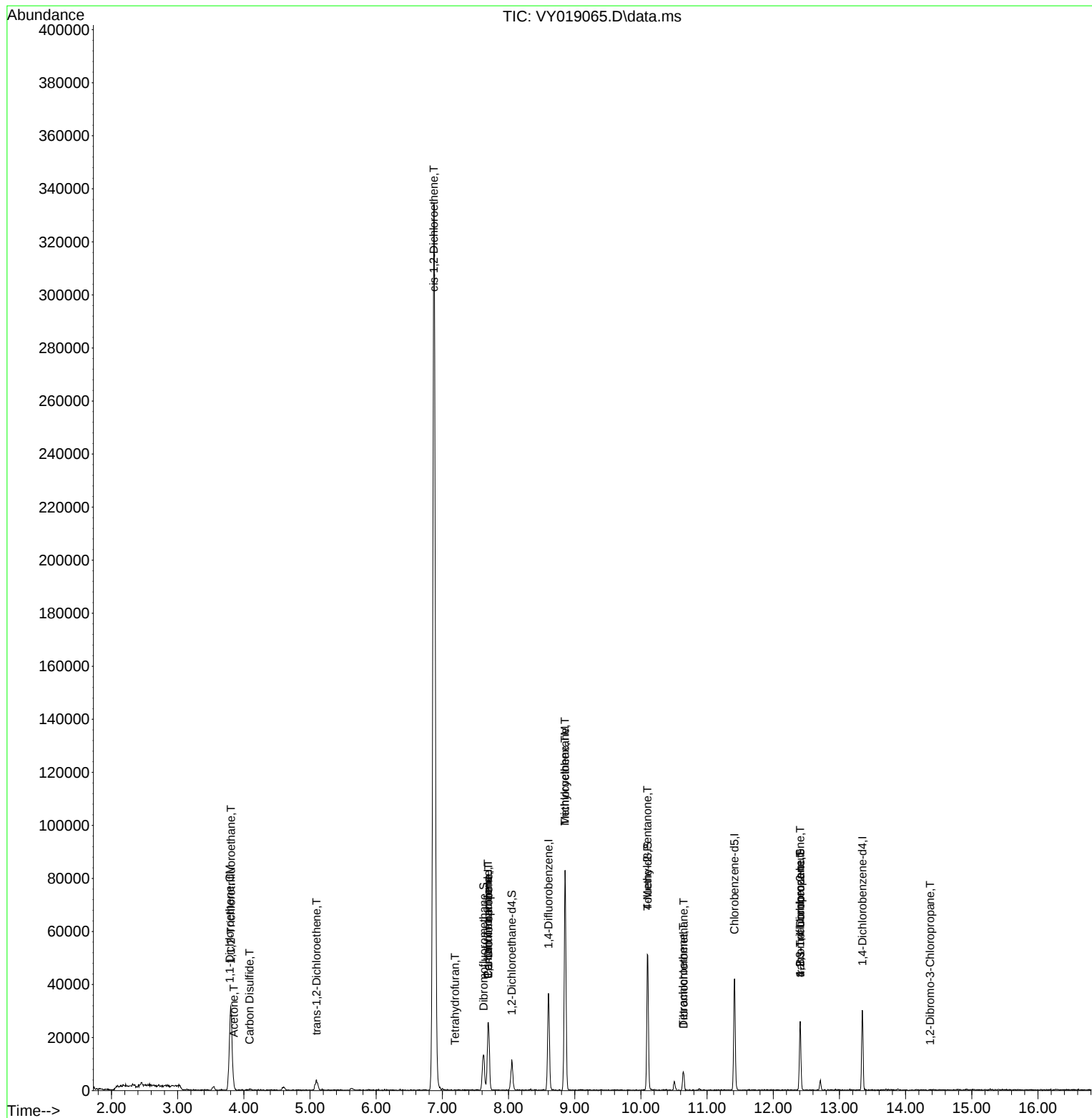
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.689	168	21275	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.603	114	30111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	21711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	7179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	6198	33.181	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	66.360%
35) Dibromofluoromethane	7.622	113	8988	46.736	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.480%
50) Toluene-d8	10.103	98	32210	43.604	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.200%
62) 4-Bromofluorobenzene	12.408	95	6047	27.592	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	55.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.062	50	19	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	3.806	101	16855	82.602	ug/l	93
11) Tert butyl alcohol	4.799	59	26	Below Cal	#	88
12) 1,1-Dichloroethene	3.787	96	228	1.183	ug/l	# 47
16) Acetone	3.848	43	466	21.701	ug/l	# 36
17) Carbon Disulfide	4.086	76	627	1.094	ug/l	# 76
20) Methylene Chloride	4.616	84	763	Below Cal	#	76
21) trans-1,2-Dichloroethene	5.098	96	2144	10.052	ug/l	# 78
27) cis-1,2-Dichloroethene	6.872	96	185242	725.869	ug/l	90
29) Tetrahydrofuran	7.189	42	43	1.206	ug/l	# 26
31) Cyclohexane	7.683	56	654	Below Cal	#	47
36) 1,1-Dichloropropene	7.695	75	1566	6.066	ug/l	# 46
38) Carbon Tetrachloride	7.689	117	1957	6.612	ug/l	# 13
39) Methylcyclohexane	8.853	83	348	1.001	ug/l	# 2
41) Methacrylonitrile	7.183	41	20	Below Cal	#	15
44) Trichloroethene	8.853	130	24552	112.218	ug/l	89
51) 4-Methyl-2-Pentanone	10.097	43	201	1.624	ug/l	# 1
60) Dibromochloromethane	10.646	129	1036	5.670	ug/l	# 10
64) Tetrachloroethene	10.640	164	1527	8.390	ug/l	87
76) 1,2,3-Trichloropropane	12.408	75	3742	69.967	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	3742	144.173	ug/l	# 16
92) 1,2-Dibromo-3-Chloropr...	14.371	75	47	4.063	ug/l	# 1

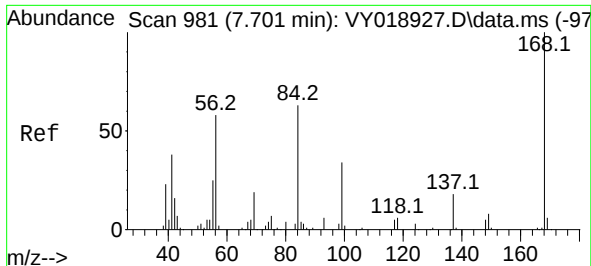
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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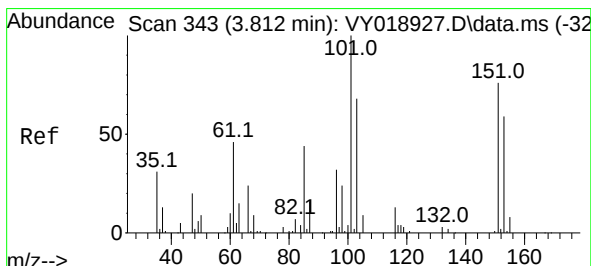
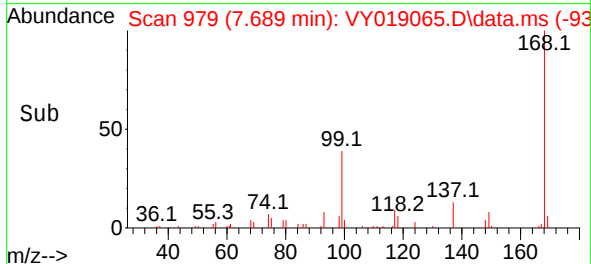
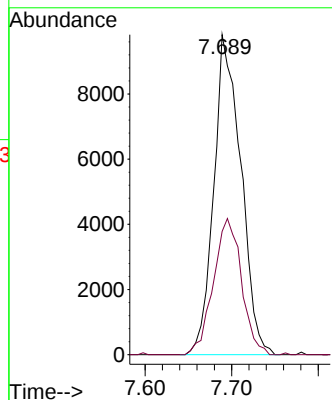
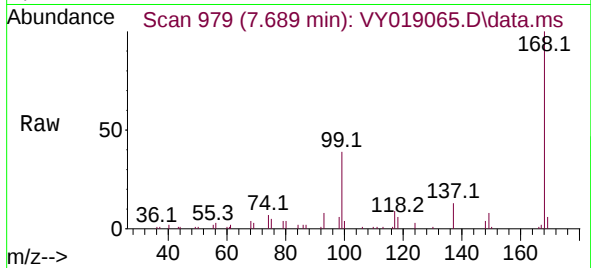




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.689 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY019065.D
Acq: 14 Aug 2024 17:55

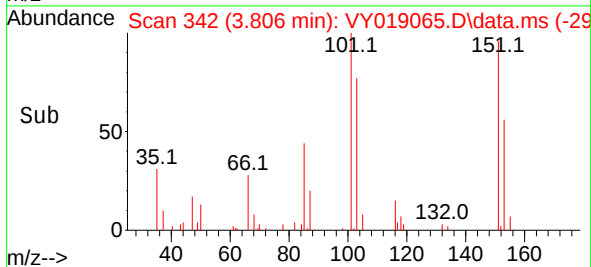
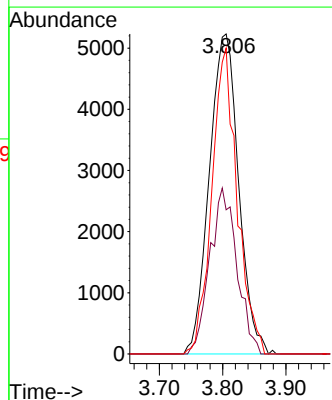
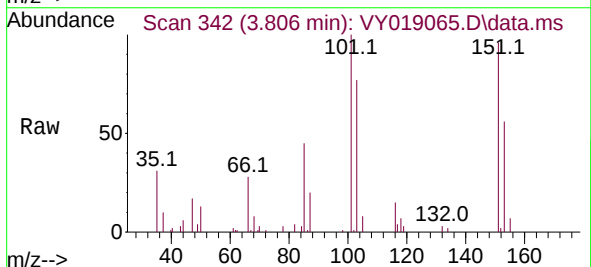
Instrument :
MSVOA_Y
ClientSampleId :

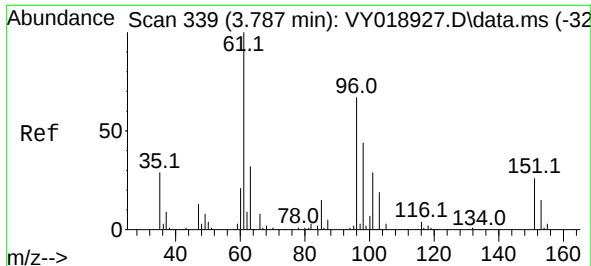
Tgt Ion:168 Resp: 21275
Ion Ratio Lower Upper
168 100
99 38.5 39.1 58.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 82.602 ug/l
RT: 3.806 min Scan# 342
Delta R.T. -0.006 min
Lab File: VY019065.D
Acq: 14 Aug 2024 17:55

Tgt Ion:101 Resp: 16855
Ion Ratio Lower Upper
101 100
85 47.9 34.5 51.7
151 82.6 61.7 92.5





#12

1,1-Dichloroethene

Concen: 1.183 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

Instrument :

MSVOA_Y

ClientSampleId :

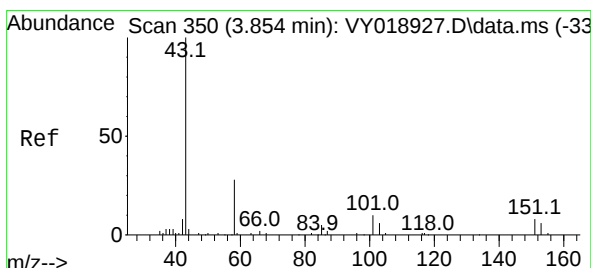
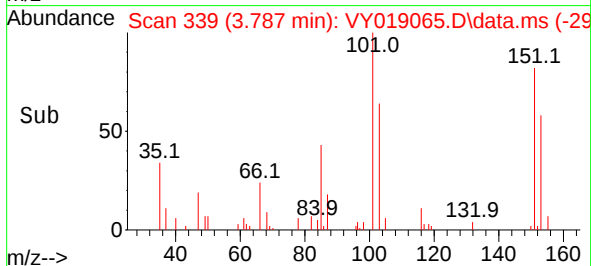
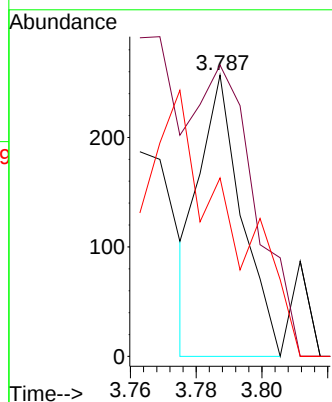
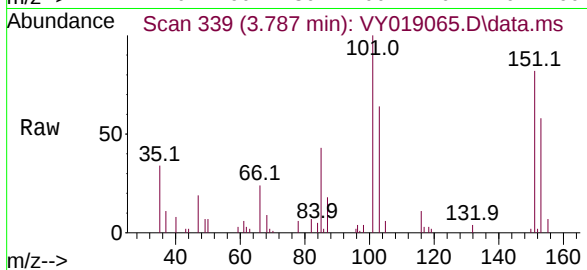
Tgt Ion: 96 Resp: 228

Ion Ratio Lower Upper

96 100

61 68.5 114.6 171.8#

98 36.2 50.8 76.2#



#16

Acetone

Concen: 21.701 ug/l

RT: 3.848 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY019065.D

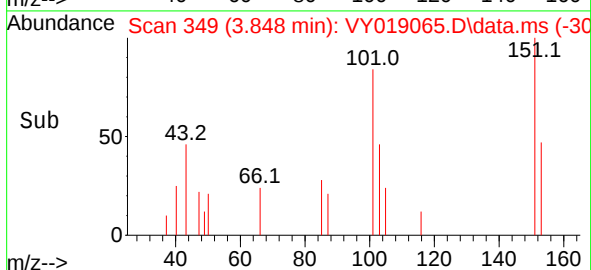
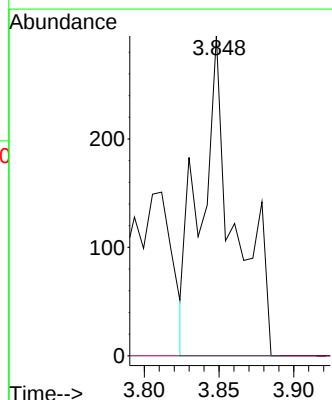
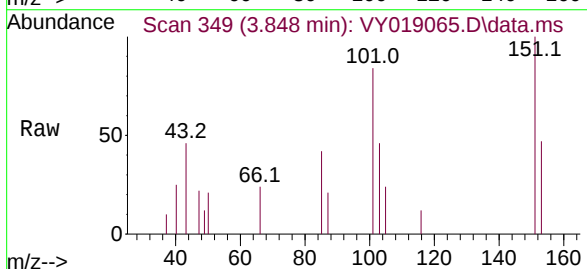
Acq: 14 Aug 2024 17:55

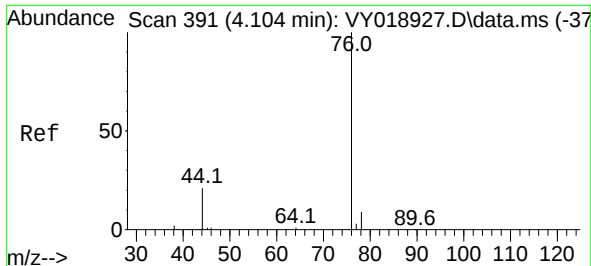
Tgt Ion: 43 Resp: 466

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#

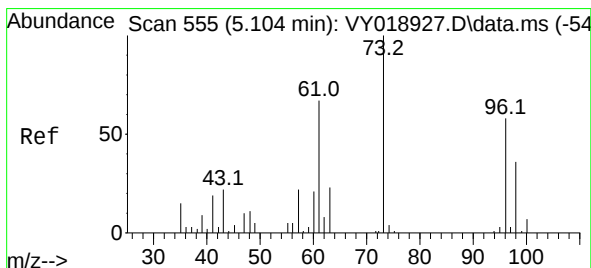
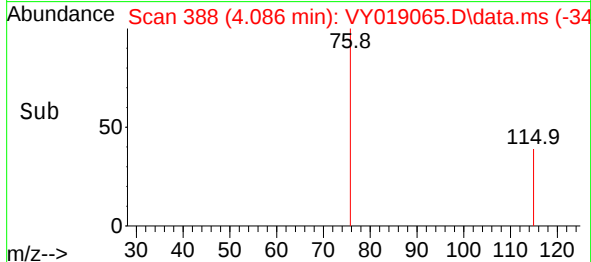
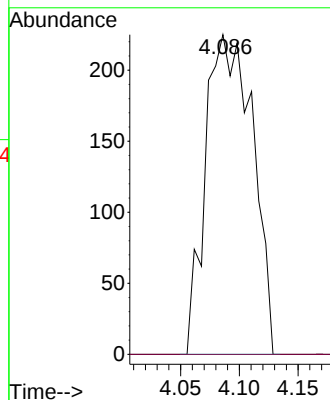
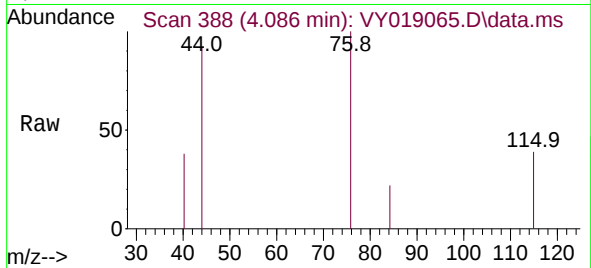




#17
Carbon Disulfide
Concen: 1.094 ug/l
RT: 4.086 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY019065.D
Acq: 14 Aug 2024 17:55

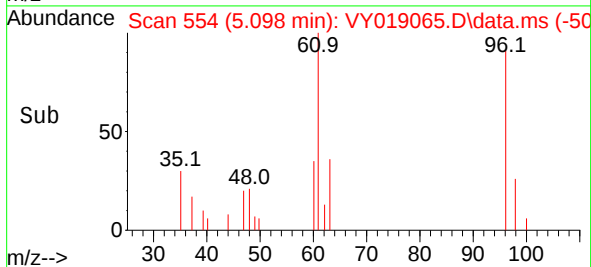
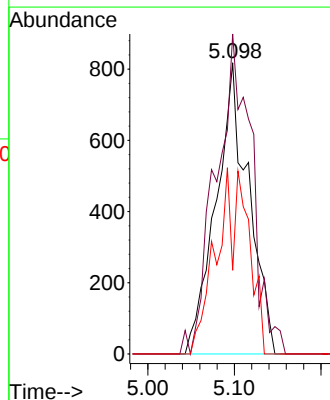
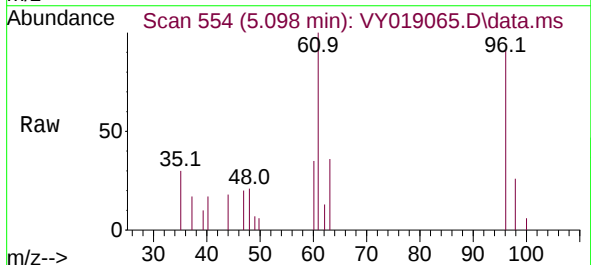
Instrument :
MSVOA_Y
ClientSampleId :

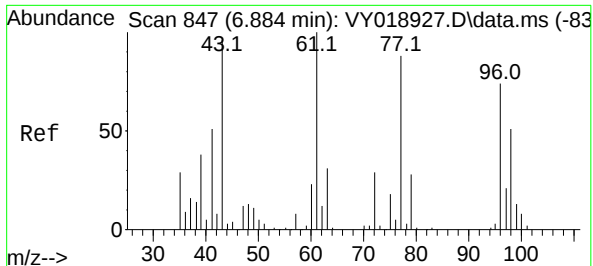
Tgt Ion: 76 Resp: 627
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#21
trans-1,2-Dichloroethene
Concen: 10.052 ug/l
RT: 5.098 min Scan# 554
Delta R.T. -0.006 min
Lab File: VY019065.D
Acq: 14 Aug 2024 17:55

Tgt Ion: 96 Resp: 2144
Ion Ratio Lower Upper
96 100
61 109.9 97.5 146.3
98 28.7 50.5 75.7#





#27

cis-1,2-Dichloroethene

Concen: 725.869 ug/l

RT: 6.872 min Scan# 847

Delta R.T. -0.012 min

Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

Instrument :

MSVOA_Y

ClientSampleId :

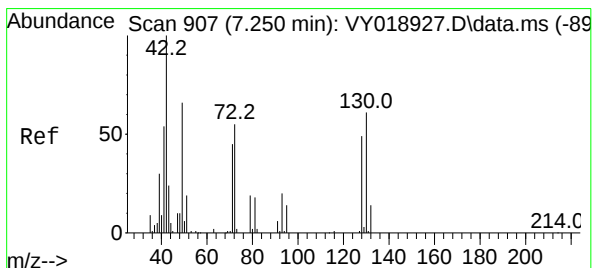
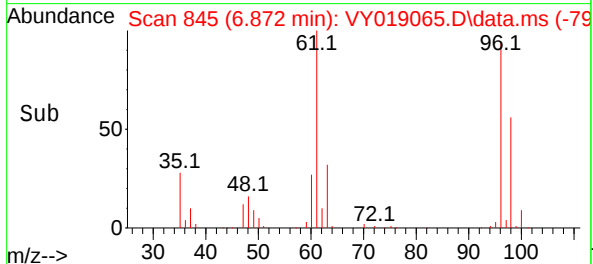
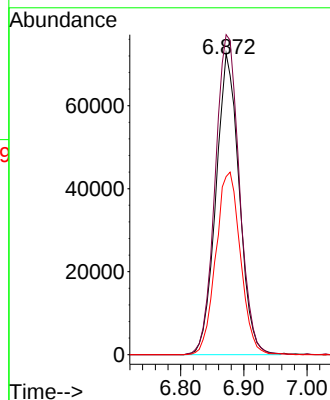
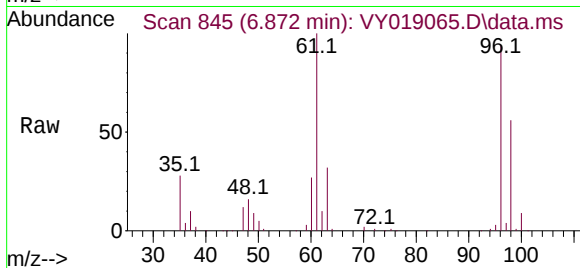
Tgt Ion: 96 Resp: 185242

Ion Ratio Lower Upper

96 100

61 110.5 0.0 256.2

98 64.3 0.0 130.0



#29

Tetrahydrofuran

Concen: 1.206 ug/l

RT: 7.189 min Scan# 897

Delta R.T. -0.061 min

Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

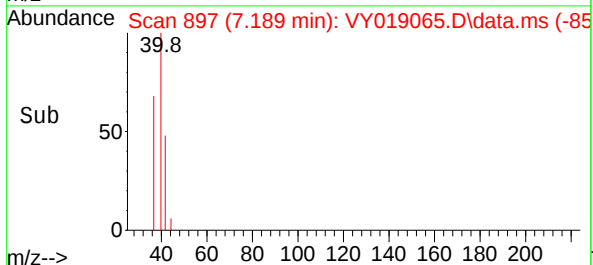
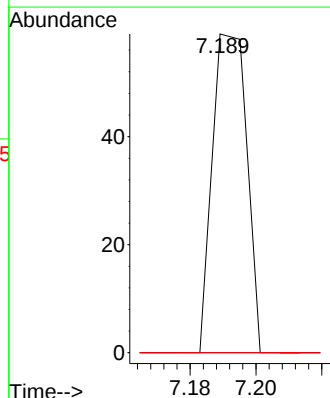
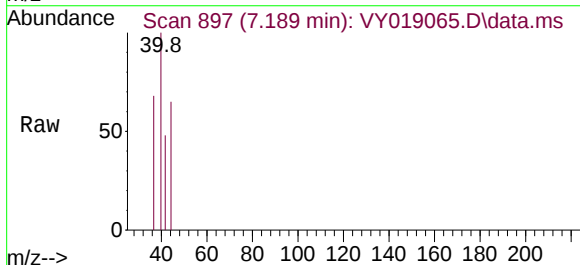
Tgt Ion: 42 Resp: 43

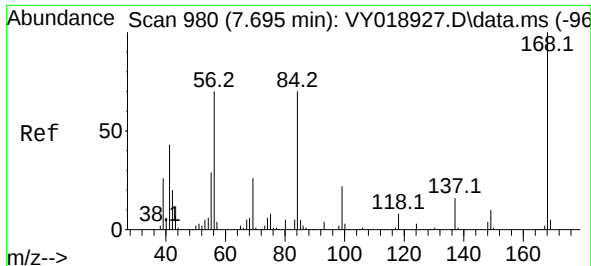
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

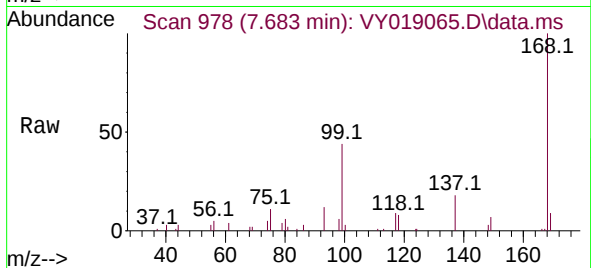
71 0.0 40.8 61.2#



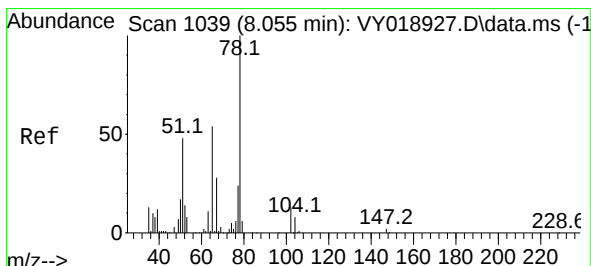
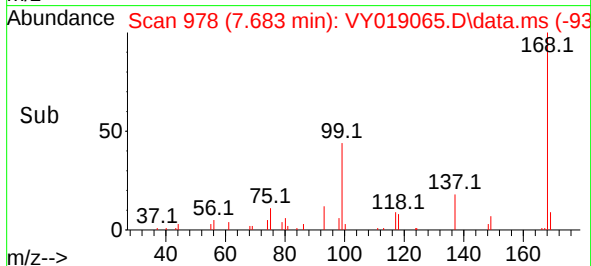
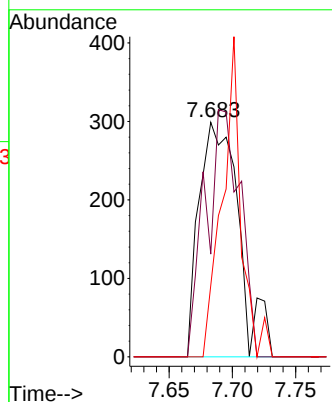


#31
Cyclohexane
Concen: Below Cal
RT: 7.683 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY019065.D
Acq: 14 Aug 2024 17:55

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ClientSampleId :

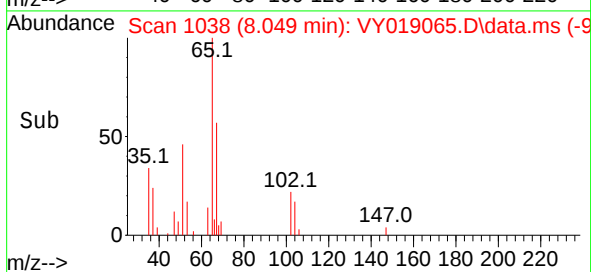
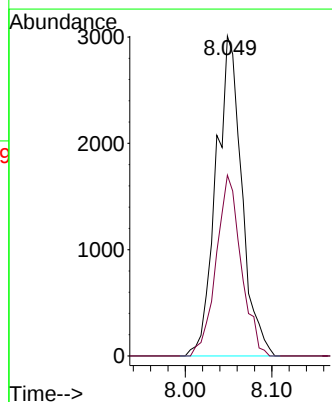
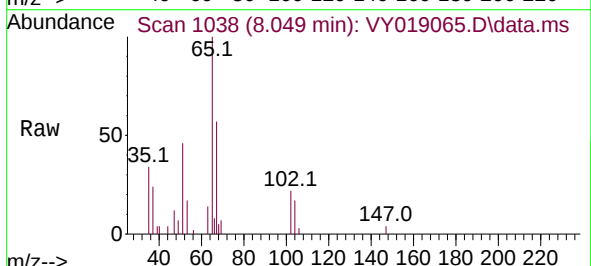


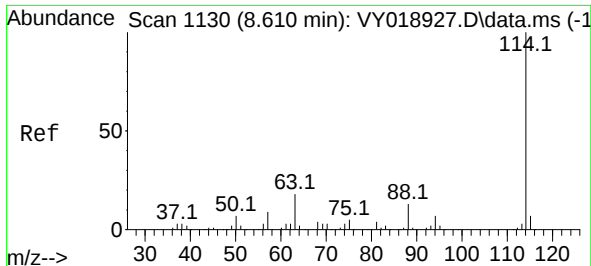
Tgt Ion: 56 Resp: 654
Ion Ratio Lower Upper
56 100
69 43.8 28.7 43.1#
84 30.4 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 33.181 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY019065.D
Acq: 14 Aug 2024 17:55

Tgt Ion: 65 Resp: 6198
Ion Ratio Lower Upper
65 100
67 55.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019065.D

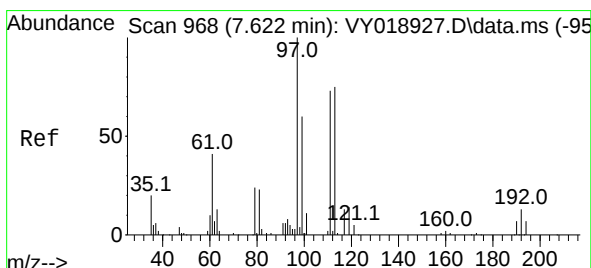
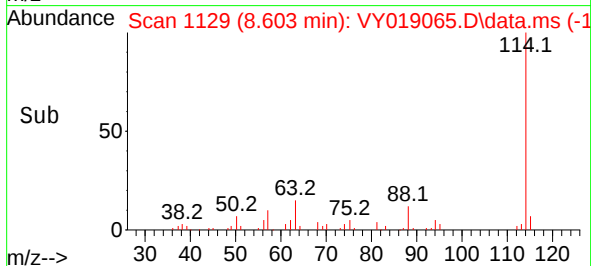
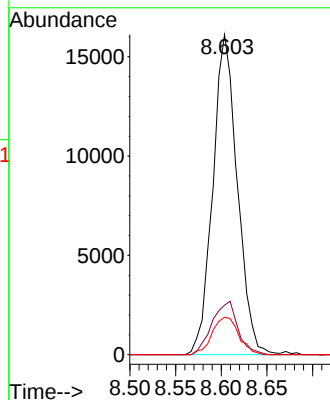
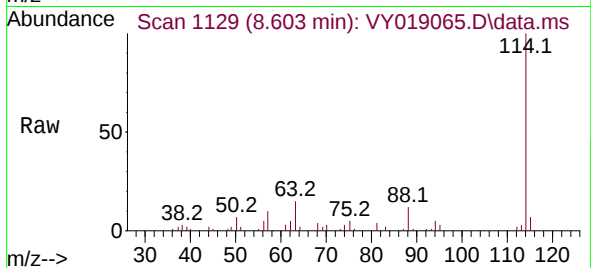
Acq: 14 Aug 2024 17:55

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	30111
Ion Ratio	Lower	Upper
114	100	
63	15.4	0.0 35.0
88	11.7	0.0 27.2



#35

Dibromofluoromethane

Concen: 46.736 ug/l

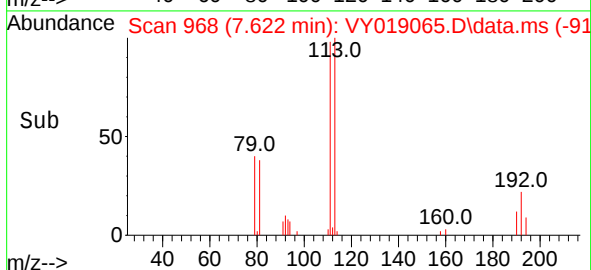
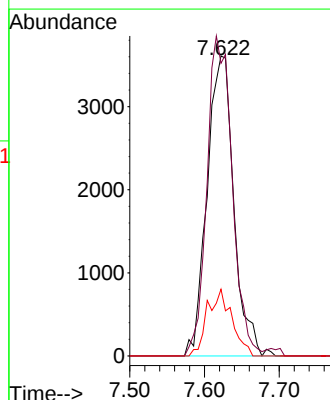
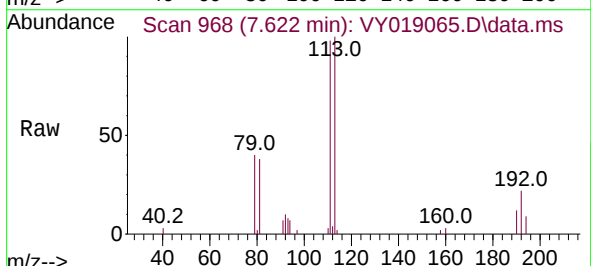
RT: 7.622 min Scan# 968

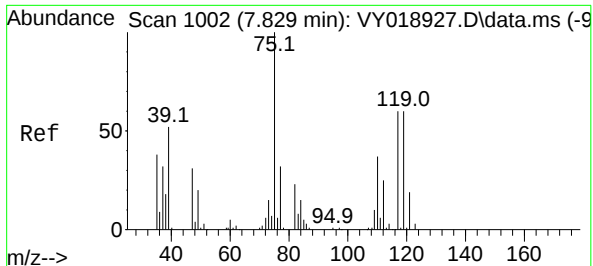
Delta R.T. -0.000 min

Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

Tgt Ion:113	Resp:	8988
Ion Ratio	Lower	Upper
113	100	
111	100.7	82.2 123.4
192	20.3	15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.066 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.134 min

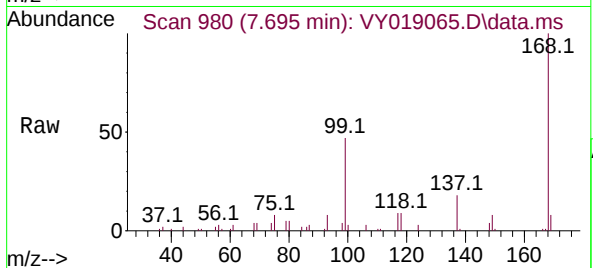
Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

Instrument :

MSVOA_Y

ClientSampleId :



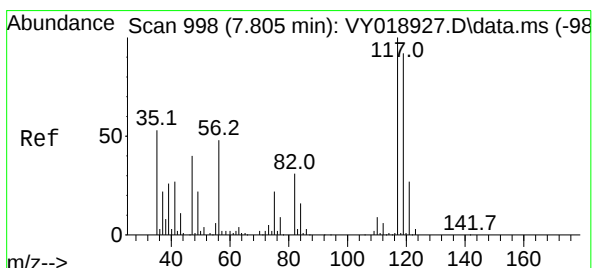
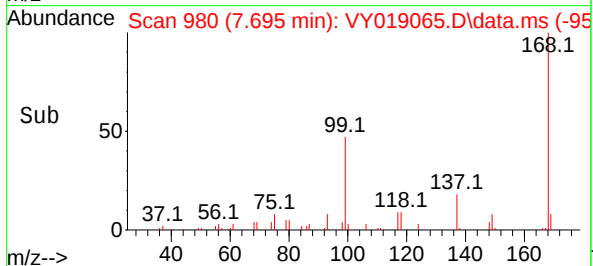
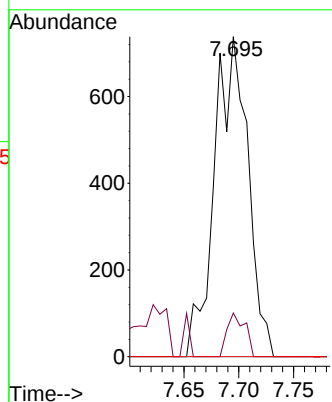
Tgt Ion: 75 Resp: 1566

Ion Ratio Lower Upper

75 100

110 7.3 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.612 ug/l

RT: 7.689 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

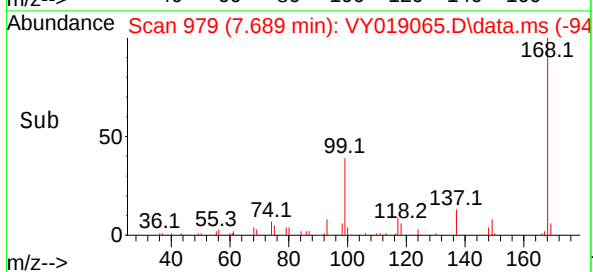
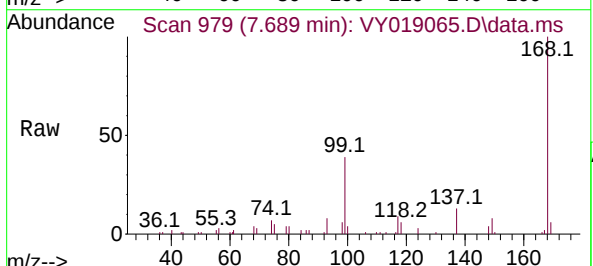
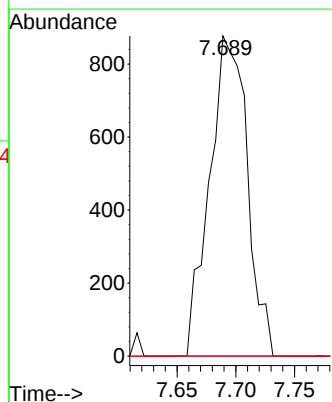
Tgt Ion:117 Resp: 1957

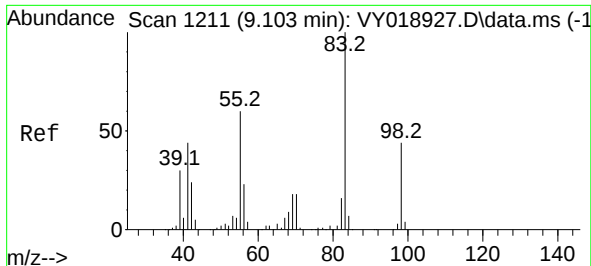
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#





#39

Methylcyclohexane

Concen: 1.001 ug/l

RT: 8.853 min Scan# 1170

Delta R.T. -0.250 min

Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

Instrument :

MSVOA_Y

ClientSampleId :

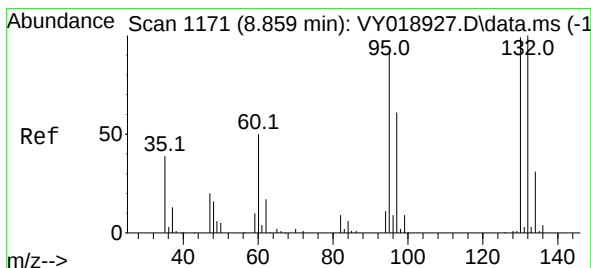
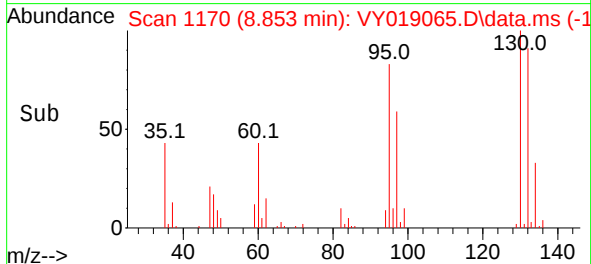
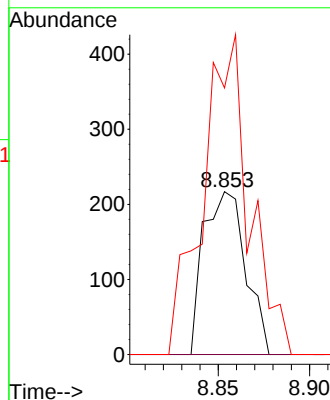
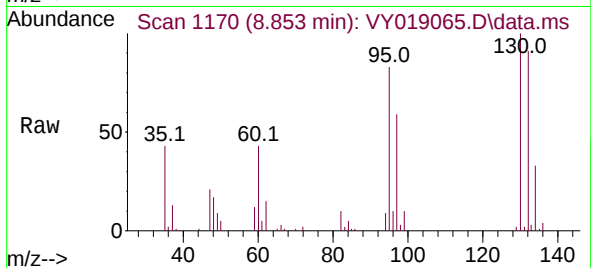
Tgt Ion: 83 Resp: 348

Ion Ratio Lower Upper

83 100

55 0.0 51.5 77.3#

98 132.7 40.5 60.7#



#44

Trichloroethene

Concen: 112.218 ug/l

RT: 8.853 min Scan# 1170

Delta R.T. -0.006 min

Lab File: VY019065.D

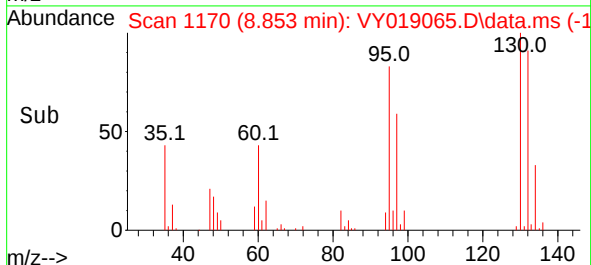
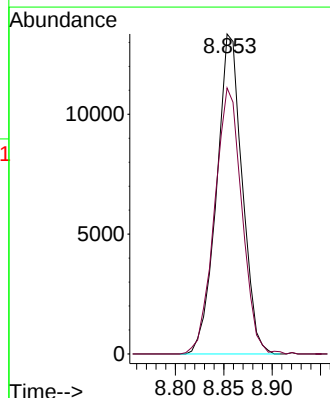
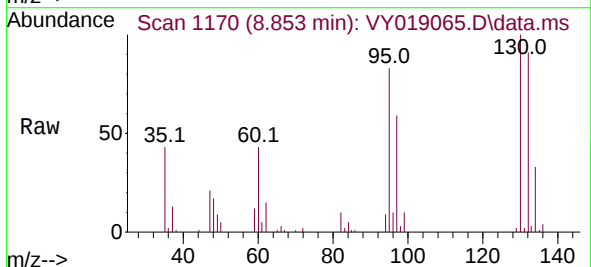
Acq: 14 Aug 2024 17:55

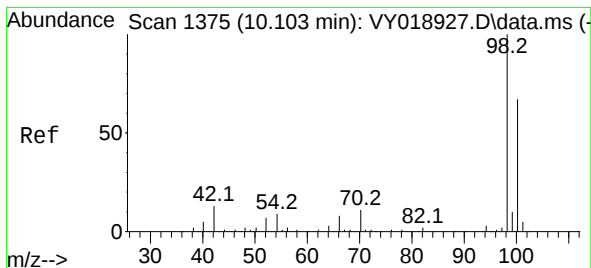
Tgt Ion:130 Resp: 24552

Ion Ratio Lower Upper

130 100

95 83.1 0.0 188.0





#50

Toluene-d8

Concen: 43.604 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

Instrument :

MSVOA_Y

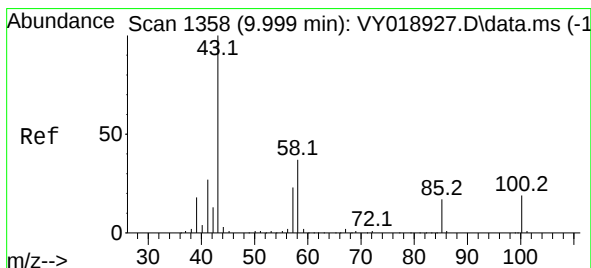
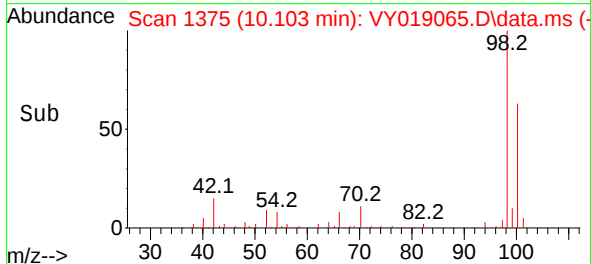
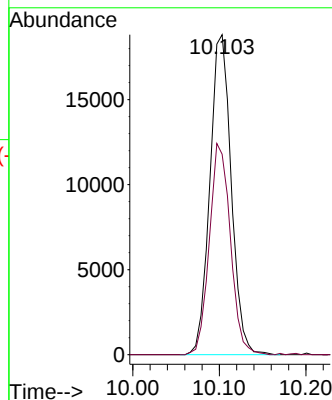
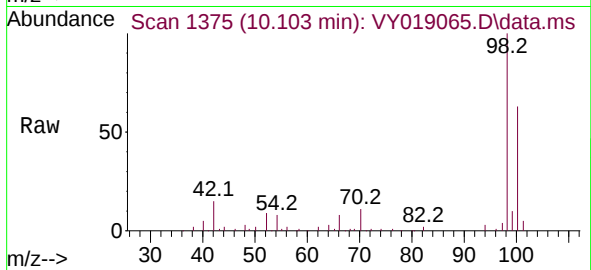
ClientSampleId :

Tgt Ion: 98 Resp: 32210

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.624 ug/l

RT: 10.097 min Scan# 1374

Delta R.T. 0.098 min

Lab File: VY019065.D

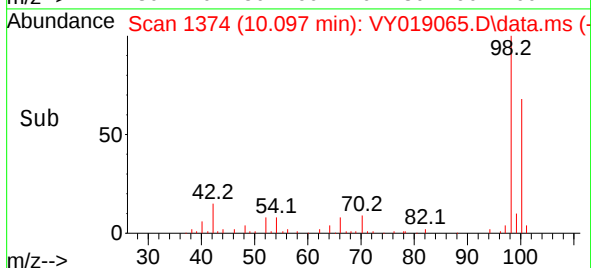
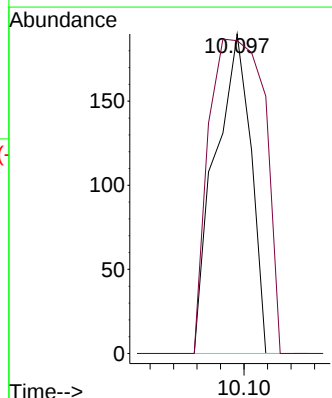
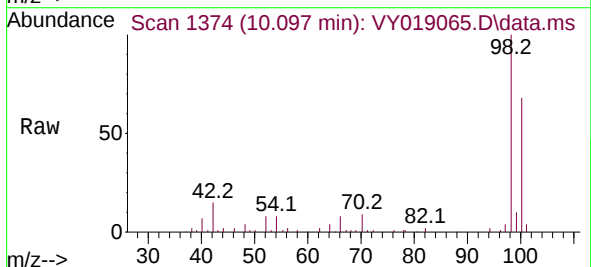
Acq: 14 Aug 2024 17:55

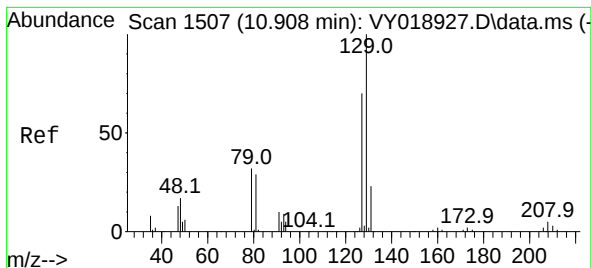
Tgt Ion: 43 Resp: 201

Ion Ratio Lower Upper

43 100

58 153.2 35.7 53.5#





#60

Dibromochloromethane

Concen: 5.670 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.262 min

Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

Instrument :

MSVOA_Y

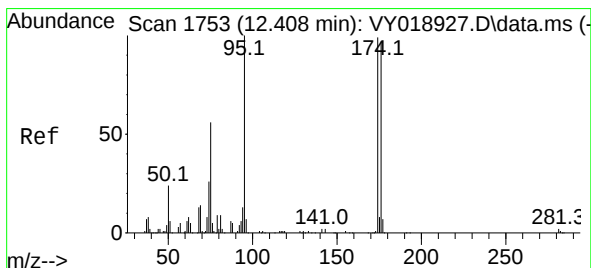
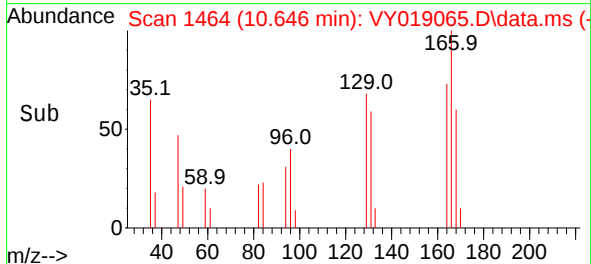
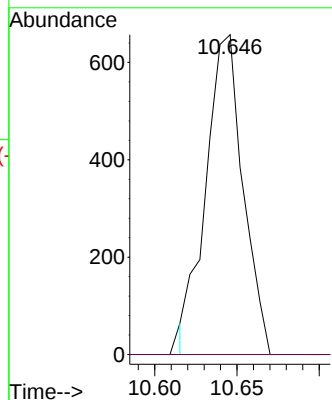
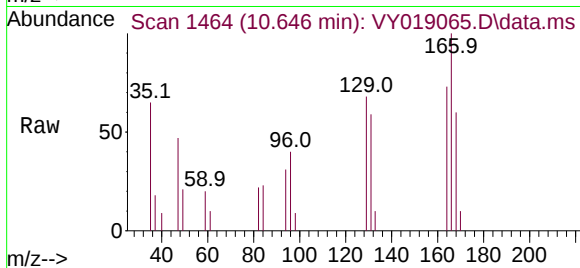
ClientSampleId :

Tgt Ion:129 Resp: 1036

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#



#62

4-Bromofluorobenzene

Concen: 27.592 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

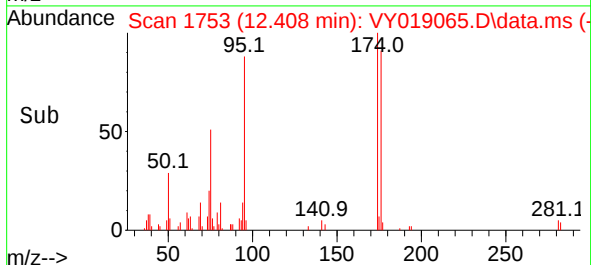
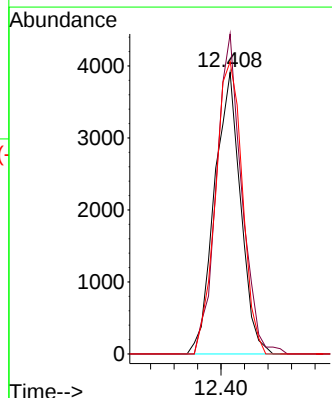
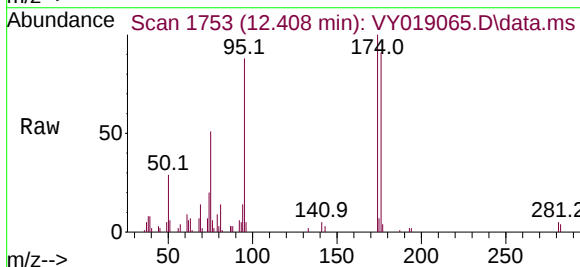
Tgt Ion: 95 Resp: 6047

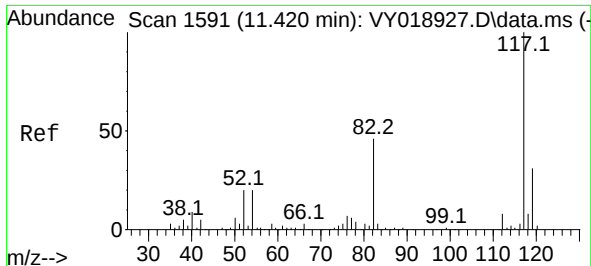
Ion Ratio Lower Upper

95 100

174 109.7 0.0 175.6

176 107.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

Instrument :

MSVOA_Y

ClientSampleId :

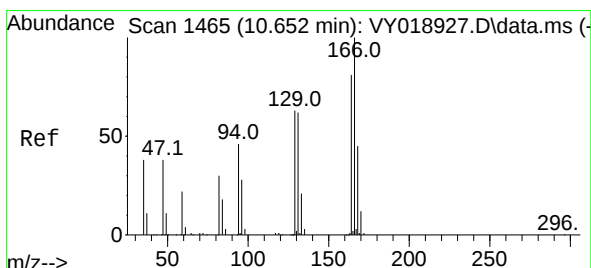
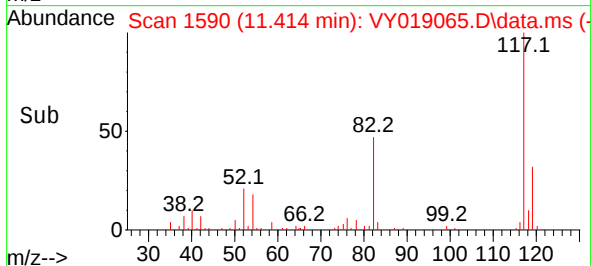
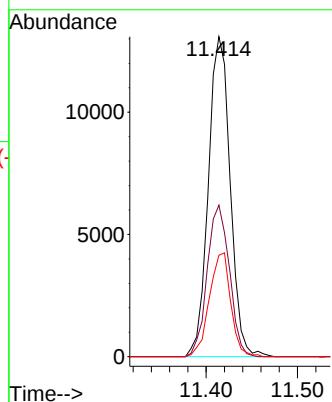
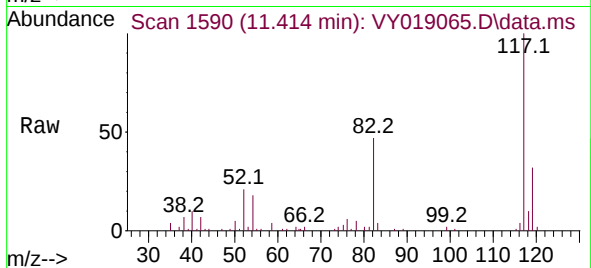
Tgt Ion:117 Resp: 21711

Ion Ratio Lower Upper

117 100

82 47.3 42.4 63.6

119 31.7 25.9 38.9



#64

Tetrachloroethene

Concen: 8.390 ug/l

RT: 10.640 min Scan# 1463

Delta R.T. -0.012 min

Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

Tgt Ion:164 Resp: 1527

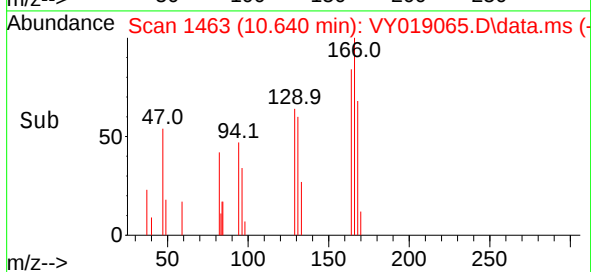
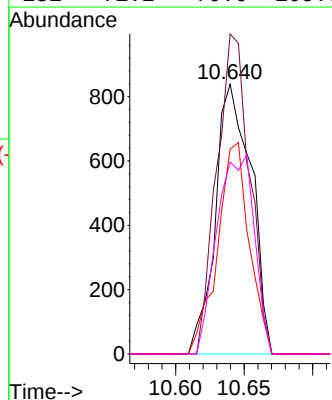
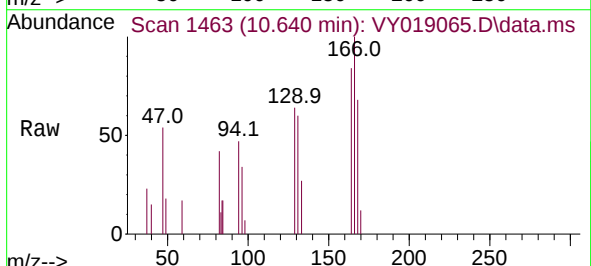
Ion Ratio Lower Upper

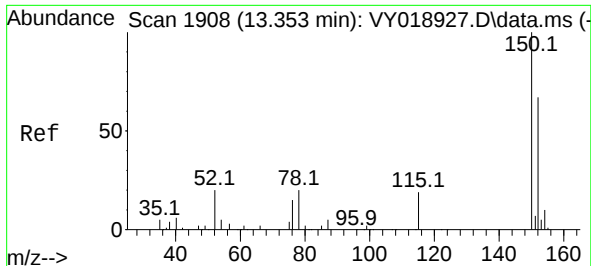
164 100

166 118.6 102.6 154.0

129 75.9 72.0 108.0

131 71.2 70.0 105.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

Instrument :

MSVOA_Y

ClientSampleId :

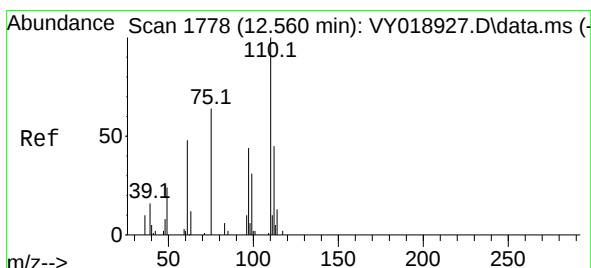
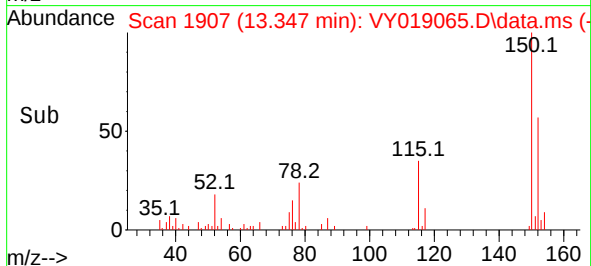
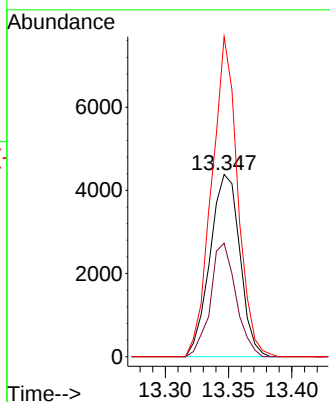
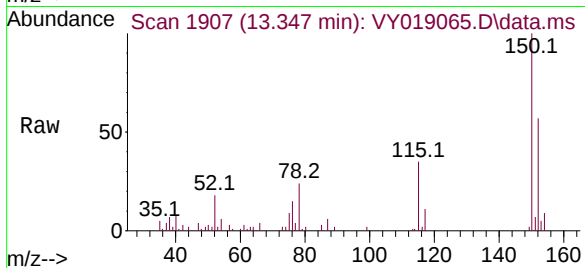
Tgt Ion:152 Resp: 7179

Ion Ratio Lower Upper

152 100

115 53.4 28.2 84.7

150 152.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 69.967 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019065.D

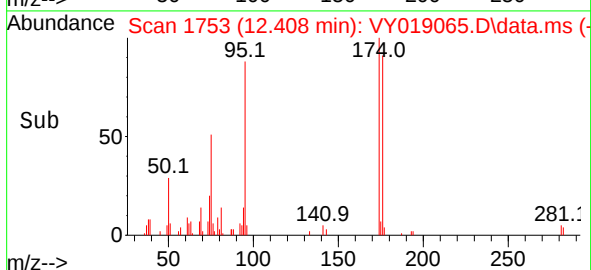
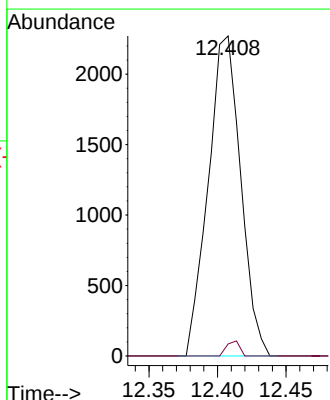
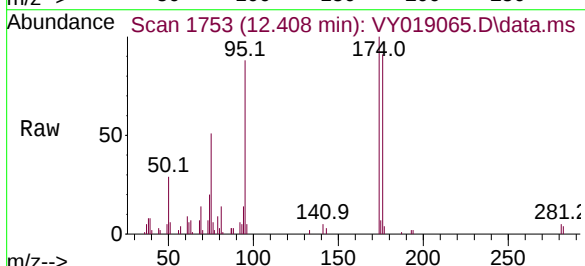
Acq: 14 Aug 2024 17:55

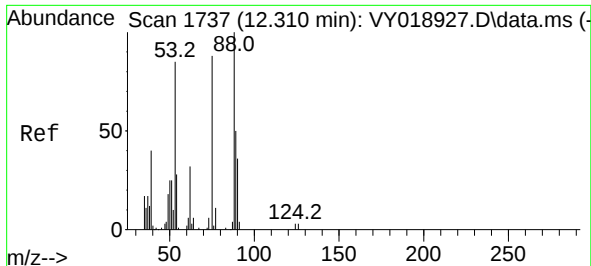
Tgt Ion: 75 Resp: 3742

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 144.173 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.098 min

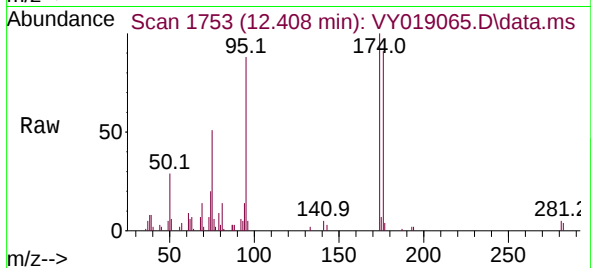
Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

Instrument :

MSVOA_Y

ClientSampleId :



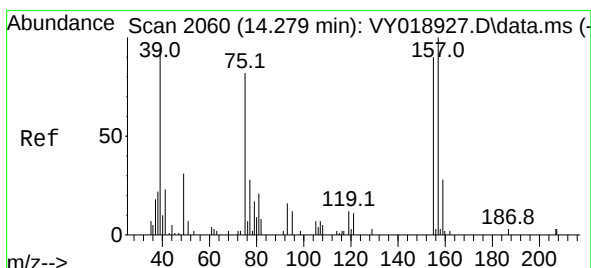
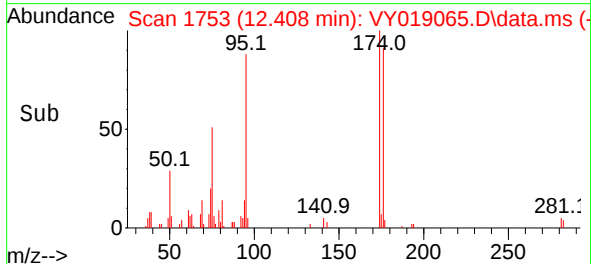
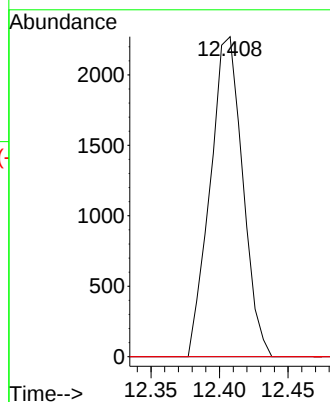
Tgt Ion: 75 Resp: 3742

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.063 ug/l

RT: 14.371 min Scan# 2075

Delta R.T. 0.091 min

Lab File: VY019065.D

Acq: 14 Aug 2024 17:55

Tgt Ion: 75 Resp: 47

Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.8#

157 0.0 62.7 188.2#

