

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100424\
 Data File : VY019797.D
 Acq On : 04 Oct 2024 14:07
 Operator : SY/MD
 Sample : P4277-02
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 23:31:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

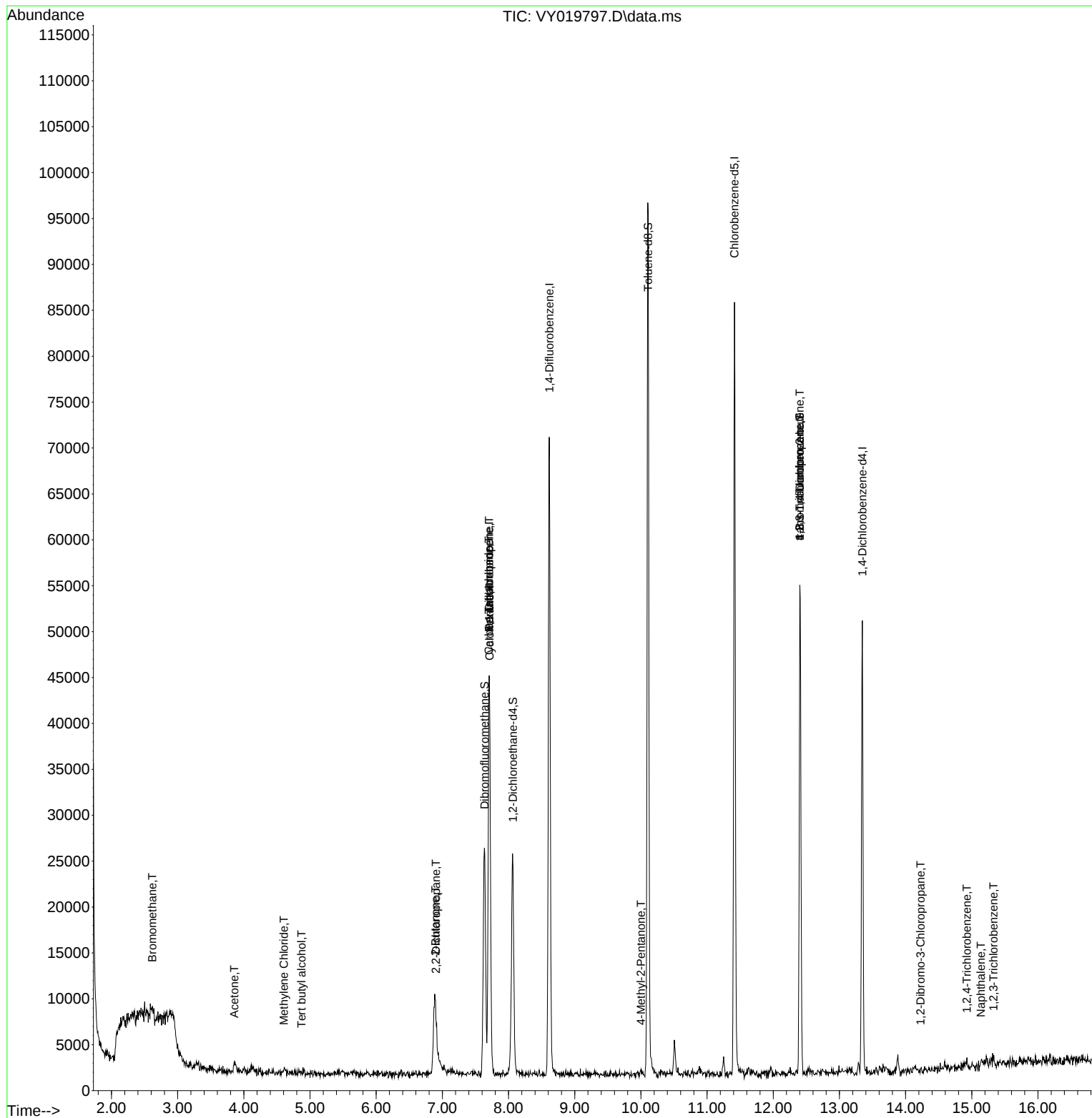
Internal Standards						
1) Pentafluorobenzene	7.707	168	32767	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	58227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	43735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	12531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	17725	58.418	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.840%
35) Dibromofluoromethane	7.640	113	18326	55.510	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.020%
50) Toluene-d8	10.109	98	63794	52.243	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.480%
62) 4-Bromofluorobenzene	12.402	95	16946	36.092	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	72.180%
Target Compounds						
						Qvalue
5) Bromomethane	2.617	94	377	2.094	ug/l	# 45
11) Tert butyl alcohol	4.872	59	84	3.428	ug/l	# 88
13) Acrolein	3.574	56	20	Below Cal	#	15
16) Acetone	3.854	43	1878	25.981	ug/l	# 76
20) Methylene Chloride	4.604	84	415	1.259	ug/l	# 58
25) 2-Butanone	6.896	43	226	2.198	ug/l	# 41
26) 2,2-Dichloropropane	6.903	77	749	1.382	ug/l	# 51
31) Cyclohexane	7.713	56	936	1.724	ug/l	# 30
36) 1,1-Dichloropropene	7.707	75	3165	7.046	ug/l	# 48
38) Carbon Tetrachloride	7.701	117	3568	7.043	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.000	43	384	1.578	ug/l	# 42
76) 1,2,3-Trichloropropane	12.402	75	9083	77.334	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.402	75	9083	148.459	ug/l	# 16
92) 1,2-Dibromo-3-Chloropr...	14.224	75	55	2.045	ug/l	# 1
93) 1,2,4-Trichlorobenzene	14.925	180	243	1.143	ug/l	# 85
95) Naphthalene	15.139	128	764	1.794	ug/l	# 79
96) 1,2,3-Trichlorobenzene	15.328	180	259	1.424	ug/l	# 83

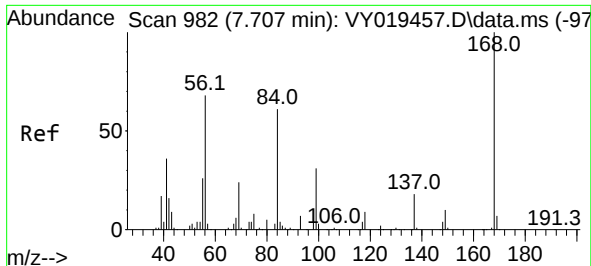
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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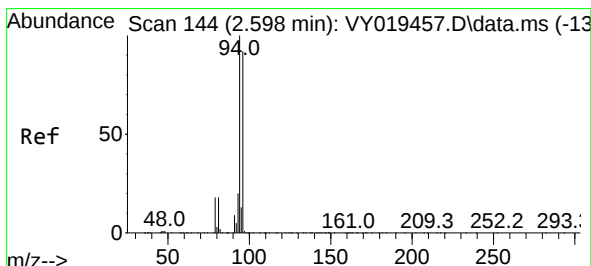
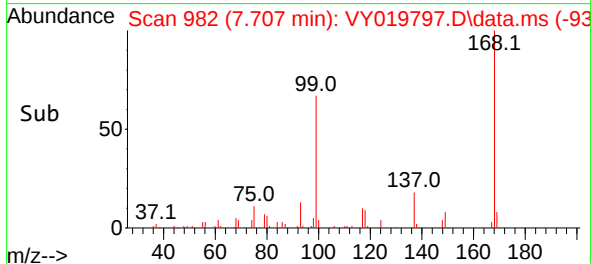
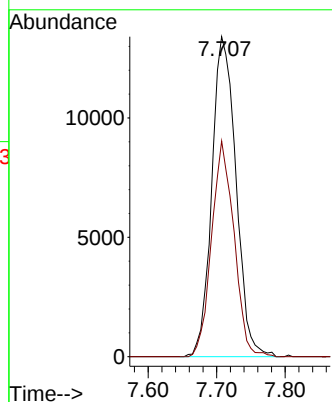
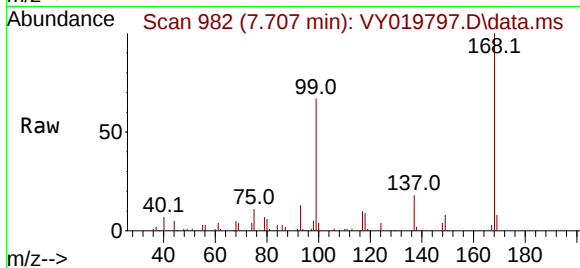




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

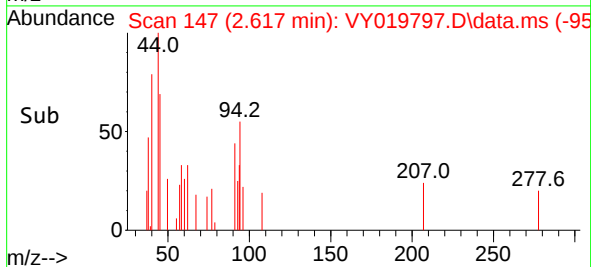
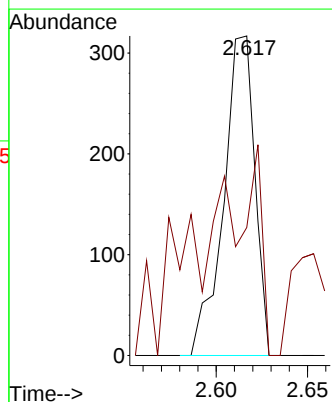
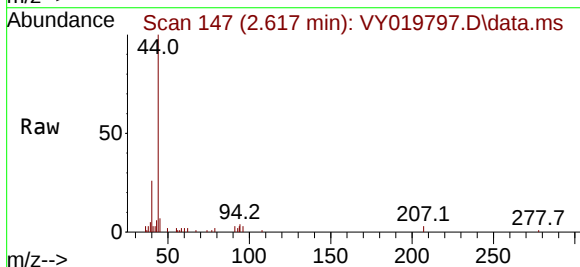
Instrument :
MSVOA_Y
ClientSampleId :

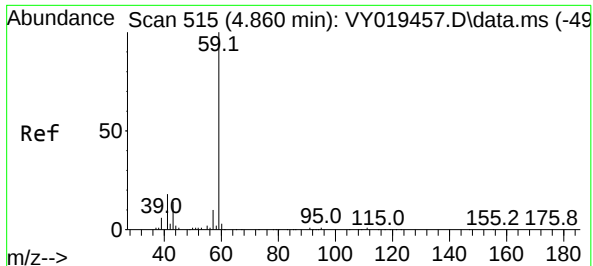
Tgt Ion:168 Resp: 32767
Ion Ratio Lower Upper
168 100
99 67.4 39.1 58.7#



#5
Bromomethane
Concen: 2.094 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.019 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

Tgt Ion: 94 Resp: 377
Ion Ratio Lower Upper
94 100
96 40.1 74.1 111.1#





#11

Tert butyl alcohol

Concen: 3.428 ug/l

RT: 4.872 min Scan# 51

Delta R.T. 0.013 min

Lab File: VY019797.D

Acq: 04 Oct 2024 14:07

Instrument :

MSVOA_Y

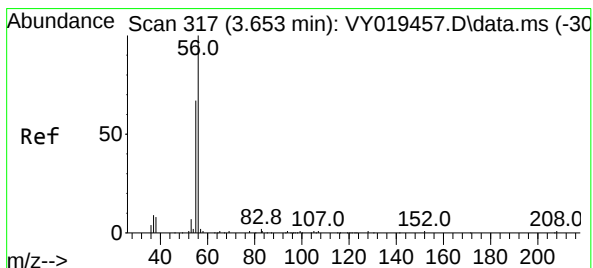
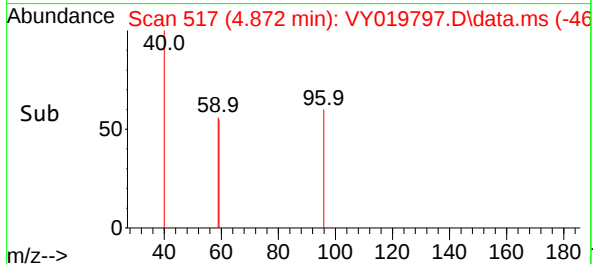
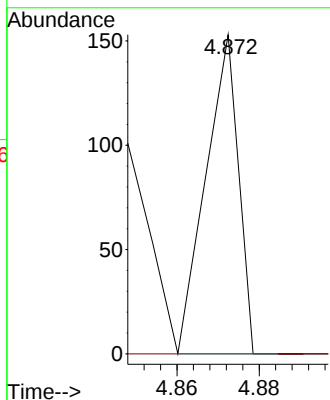
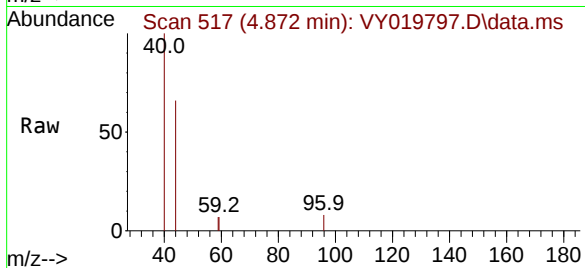
ClientSampleId :

Tgt Ion: 59 Resp: 84

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.574 min Scan# 304

Delta R.T. -0.079 min

Lab File: VY019797.D

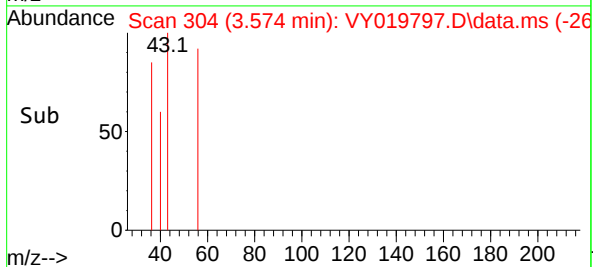
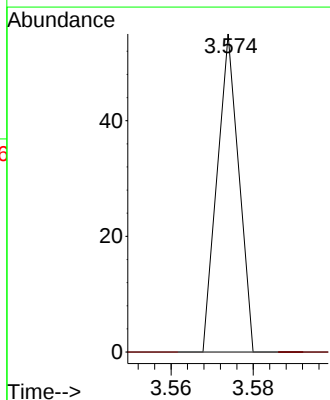
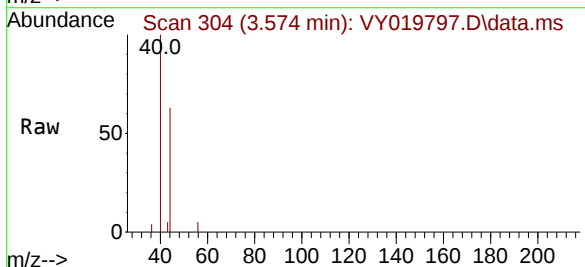
Acq: 04 Oct 2024 14:07

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#

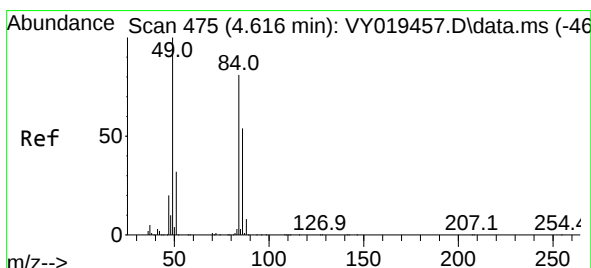
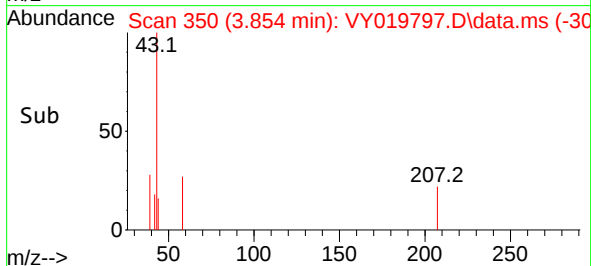
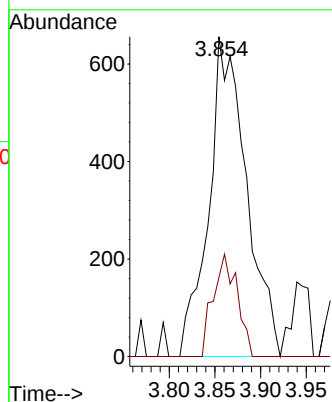
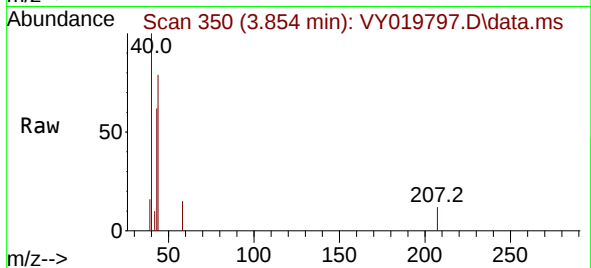




#16
Acetone
Concen: 25.981 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

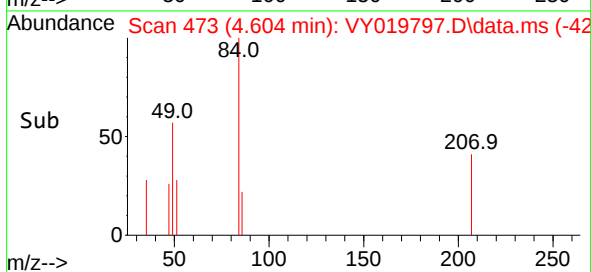
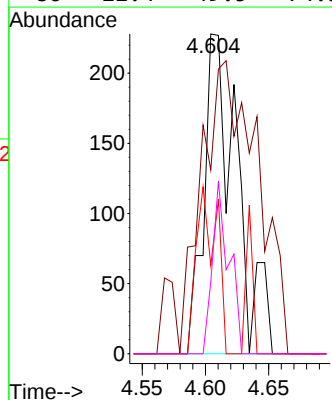
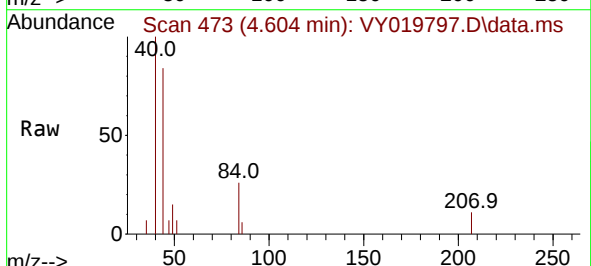
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 1878
Ion Ratio Lower Upper
43 100
58 24.7 31.7 47.5#



#20
Methylene Chloride
Concen: 1.259 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

Tgt Ion: 84 Resp: 415
Ion Ratio Lower Upper
84 100
49 57.5 84.4 126.6#
51 27.6 26.0 39.0
86 22.4 49.5 74.3#





#25

2-Butanone

Concen: 2.198 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

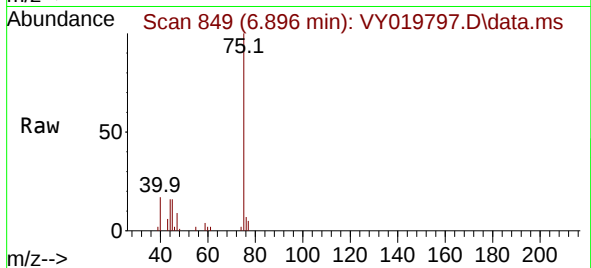
Lab File: VY019797.D

Acq: 04 Oct 2024 14:07

Instrument :

MSVOA_Y

ClientSampleId :

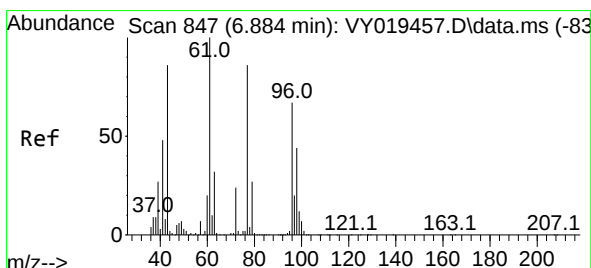
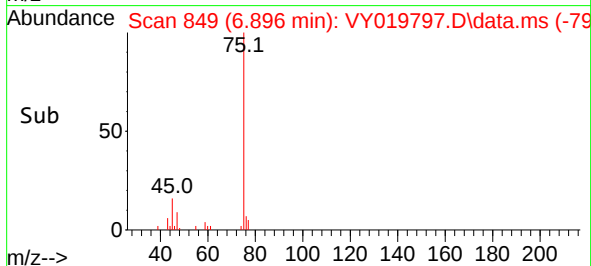
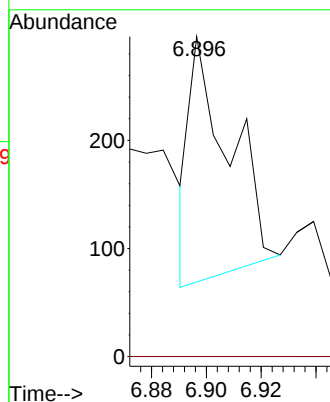


Tgt Ion: 43 Resp: 226

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 1.382 ug/l

RT: 6.903 min Scan# 850

Delta R.T. 0.019 min

Lab File: VY019797.D

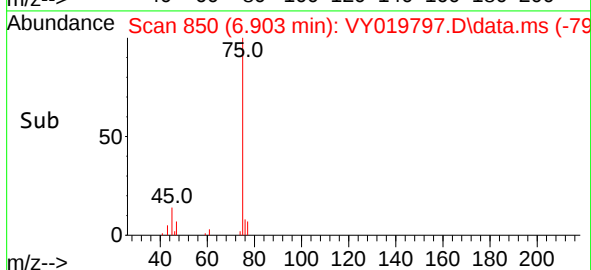
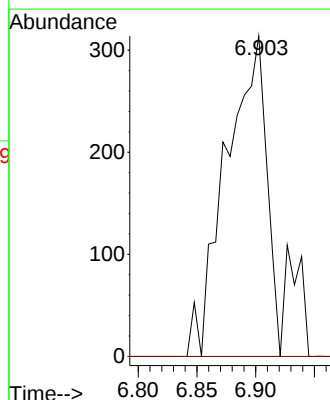
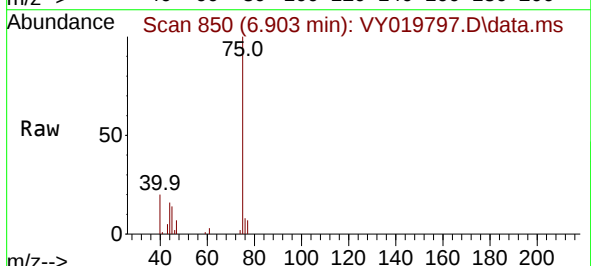
Acq: 04 Oct 2024 14:07

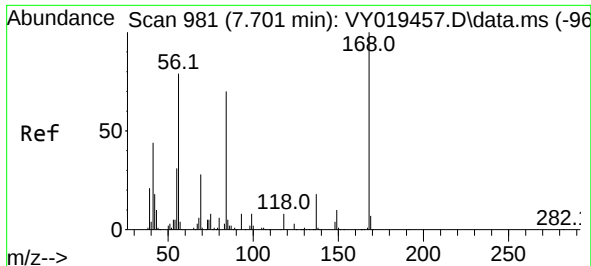
Tgt Ion: 77 Resp: 749

Ion Ratio Lower Upper

77 100

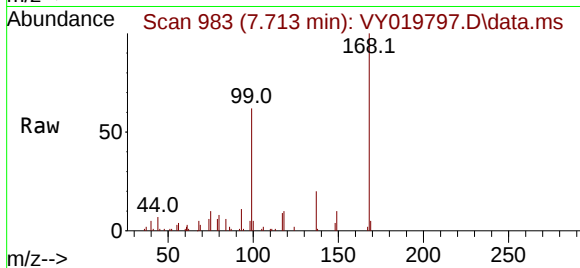
97 0.0 12.0 36.1#



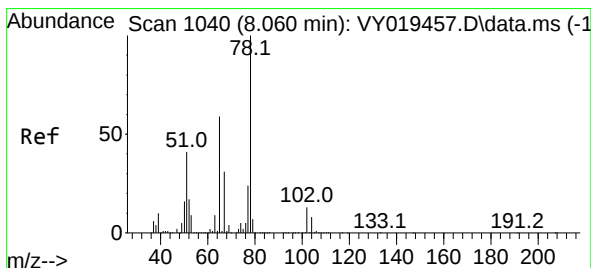
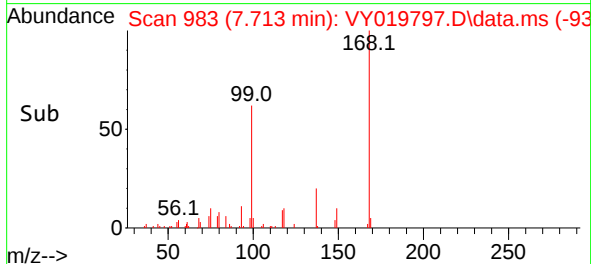
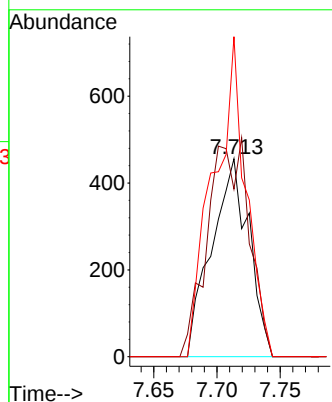


#31
Cyclohexane
Concen: 1.724 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.013 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

Instrument :
MSVOA_Y
ClientSampleId :

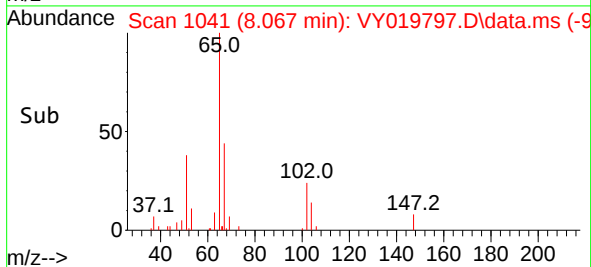
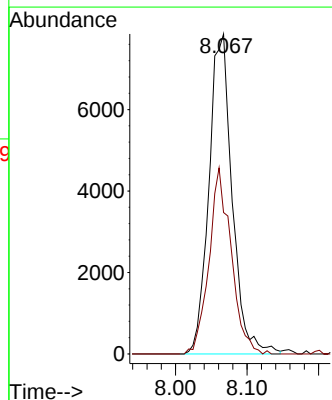
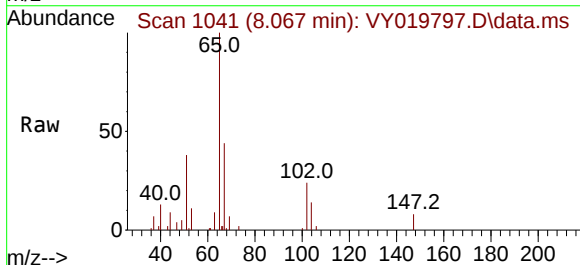


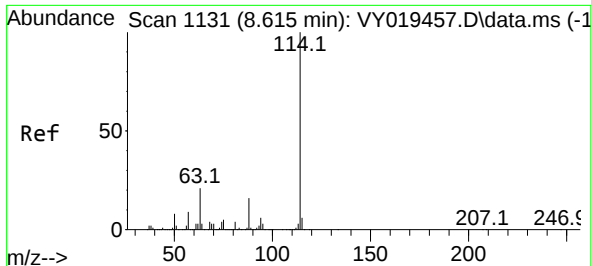
Tgt Ion: 56 Resp: 936
Ion Ratio Lower Upper
56 100
69 84.6 28.7 43.1#
84 161.6 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 58.418 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

Tgt Ion: 65 Resp: 17725
Ion Ratio Lower Upper
65 100
67 55.4 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019797.D

Acq: 04 Oct 2024 14:07

Instrument :

MSVOA_Y

ClientSampleId :

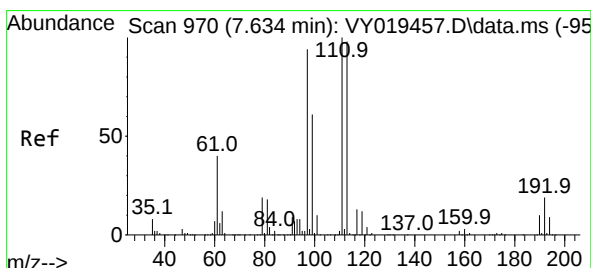
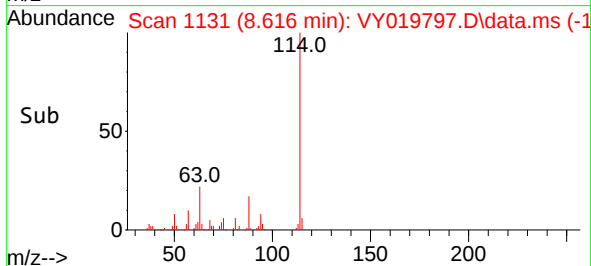
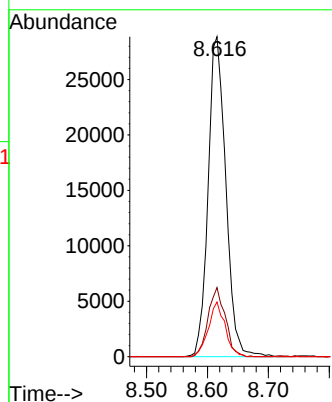
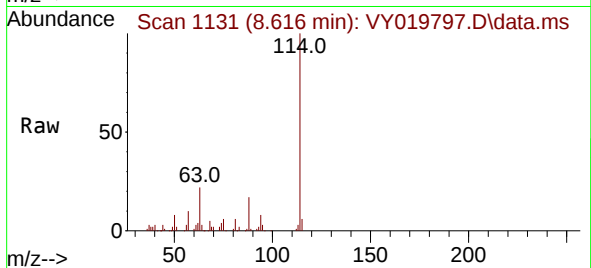
Tgt Ion:114 Resp: 58227

Ion Ratio Lower Upper

114 100

63 21.6 0.0 35.0

88 17.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 55.510 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY019797.D

Acq: 04 Oct 2024 14:07

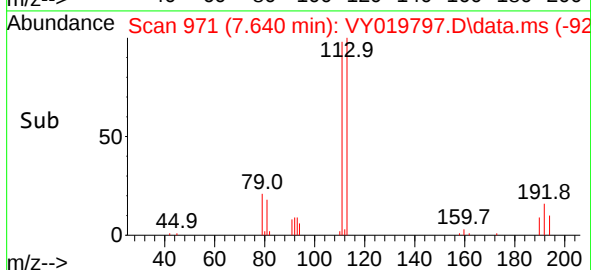
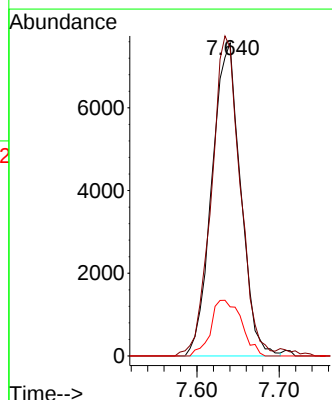
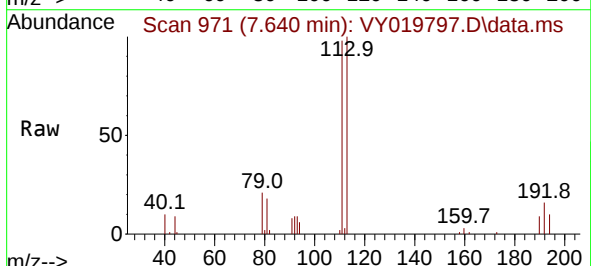
Tgt Ion:113 Resp: 18326

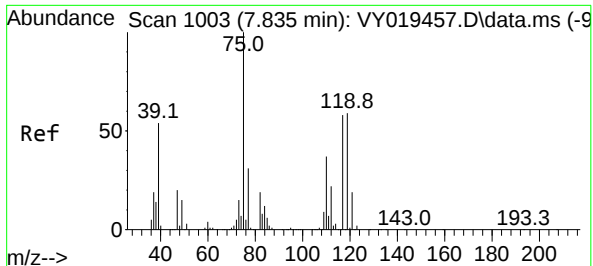
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

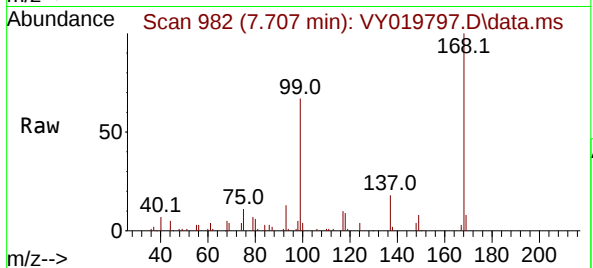
192 19.1 15.9 23.9



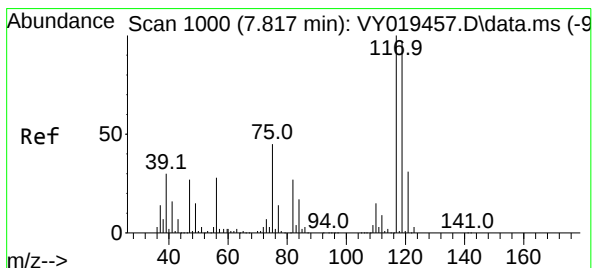
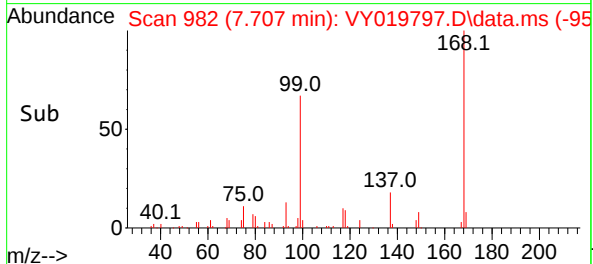
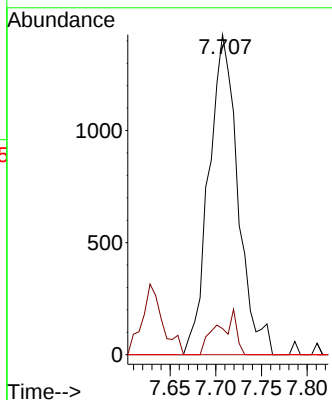


#36
1,1-Dichloropropene
Concen: 7.046 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

Instrument :
MSVOA_Y
ClientSampleId :

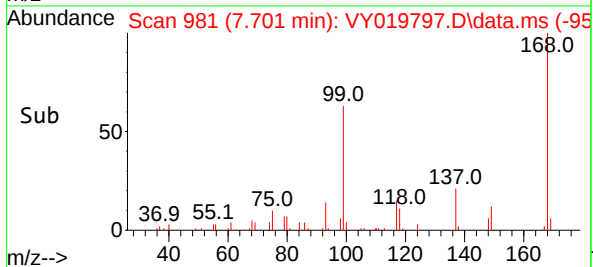
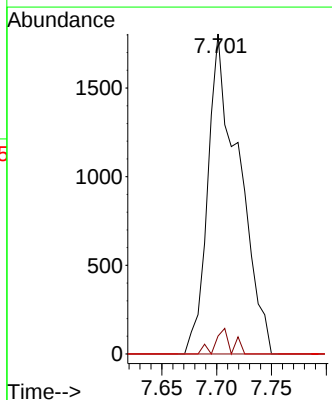
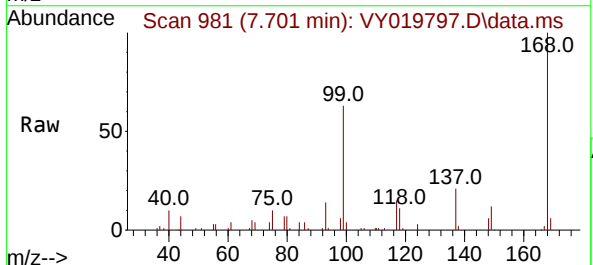


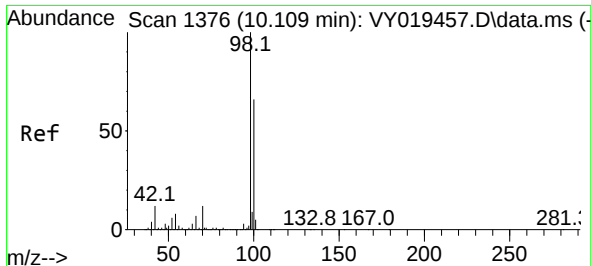
Tgt Ion: 75 Resp: 3165
Ion Ratio Lower Upper
75 100
110 9.0 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 7.043 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.115 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

Tgt Ion: 117 Resp: 3568
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.0 36.0#

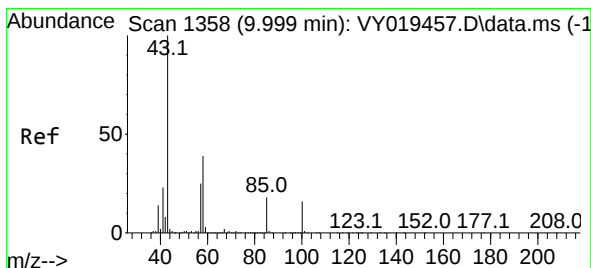
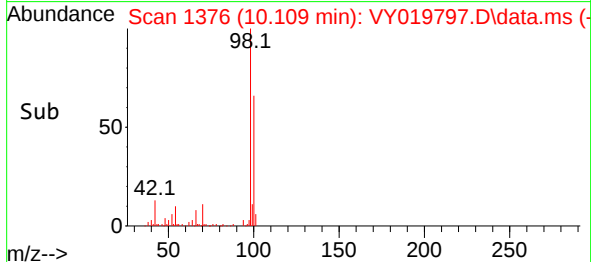
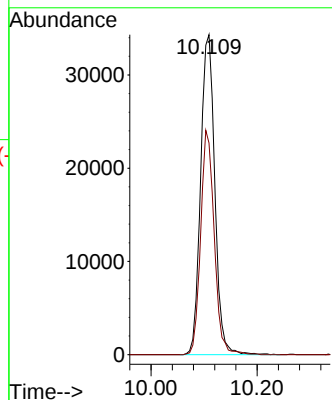
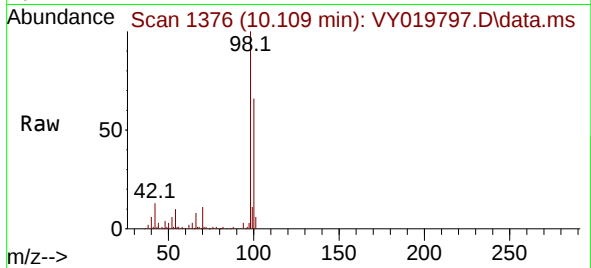




#50
Toluene-d8
Concen: 52.243 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

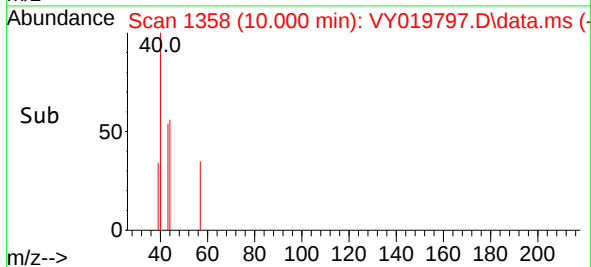
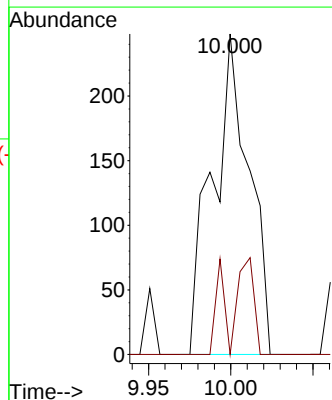
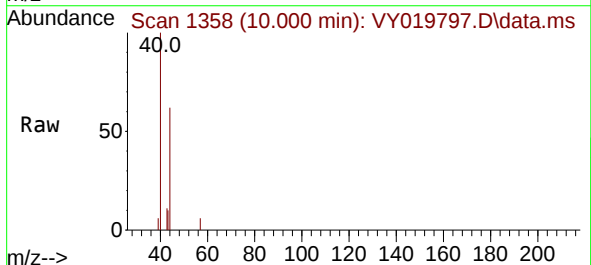
Instrument :
MSVOA_Y
ClientSampleId :

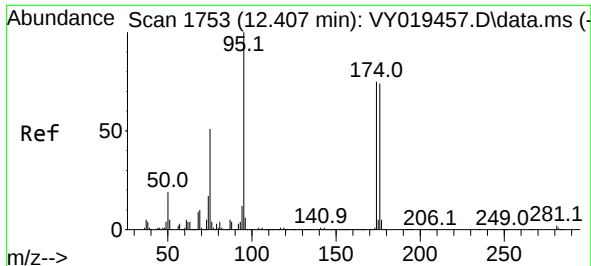
Tgt Ion: 98 Resp: 63794
Ion Ratio Lower Upper
98 100
100 67.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.578 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

Tgt Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
58 7.0 35.7 53.5#

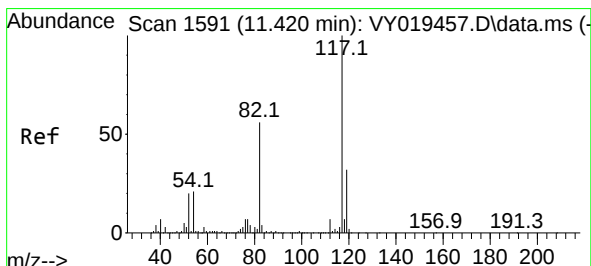
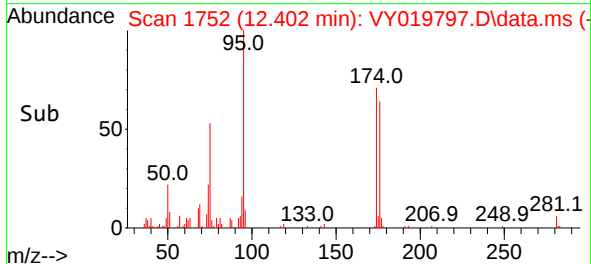
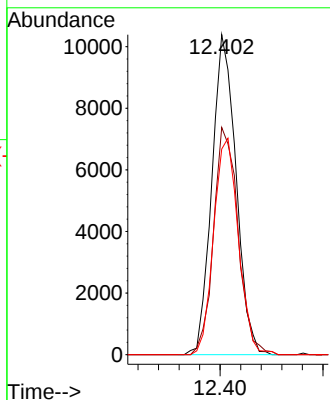
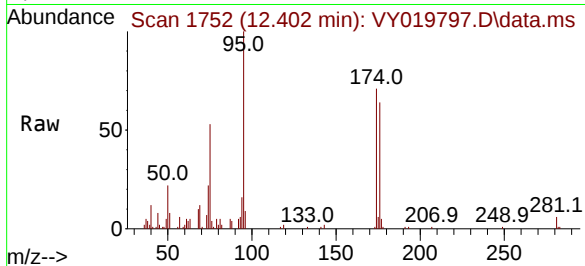




#62
4-Bromofluorobenzene
Concen: 36.092 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

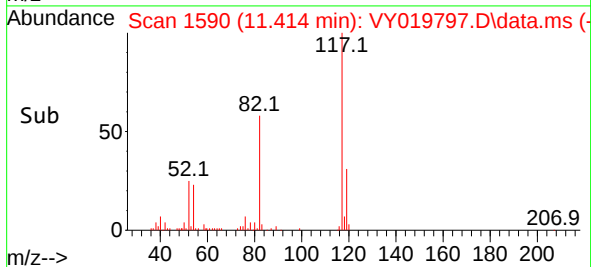
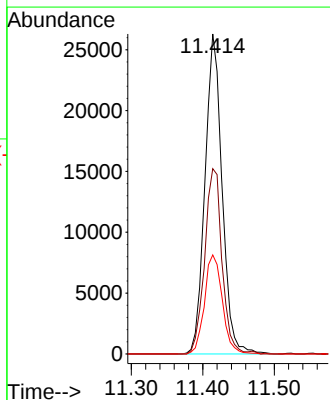
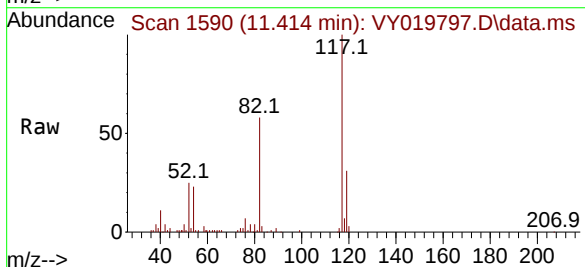
Instrument :
MSVOA_Y
ClientSampleId :

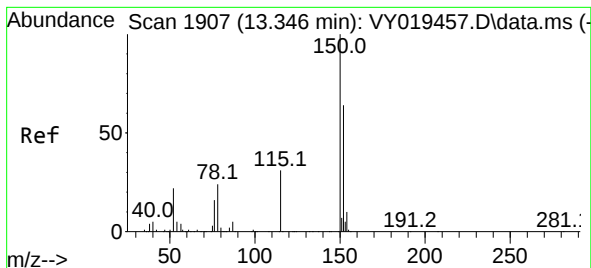
Tgt Ion: 95 Resp: 16946
Ion Ratio Lower Upper
95 100
174 71.8 0.0 175.6
176 69.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

Tgt Ion: 117 Resp: 43735
Ion Ratio Lower Upper
117 100
82 57.9 42.4 63.6
119 30.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019797.D

Acq: 04 Oct 2024 14:07

Instrument :

MSVOA_Y

ClientSampleId :

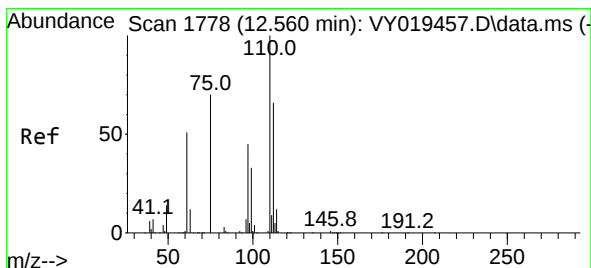
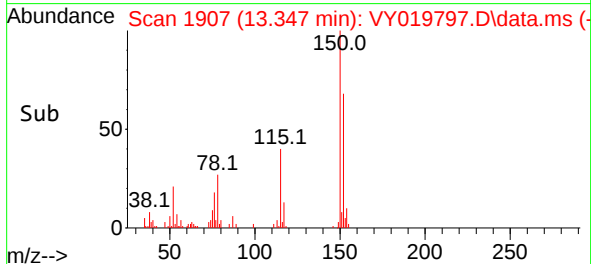
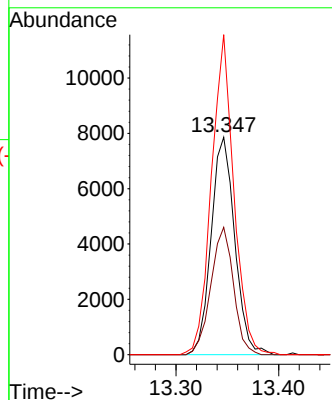
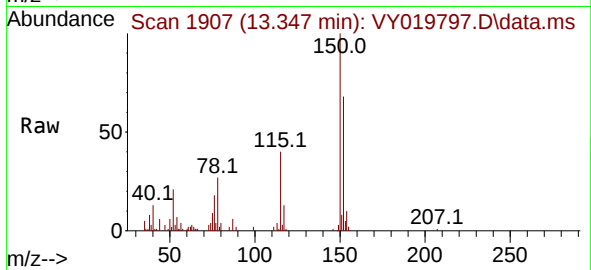
Tgt Ion:152 Resp: 12531

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.7

150 139.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 77.334 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019797.D

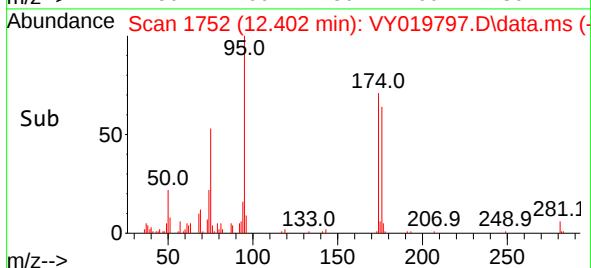
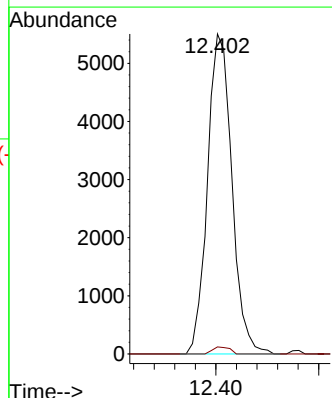
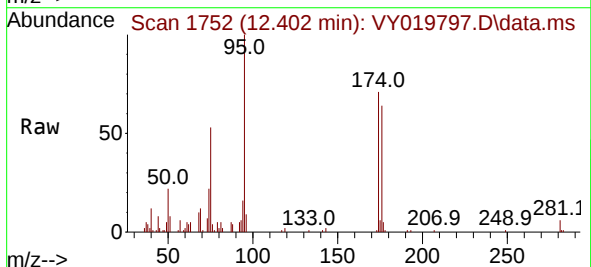
Acq: 04 Oct 2024 14:07

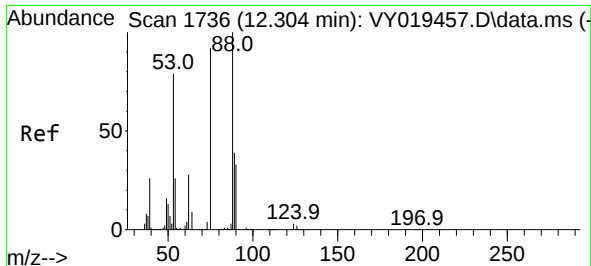
Tgt Ion: 75 Resp: 9083

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

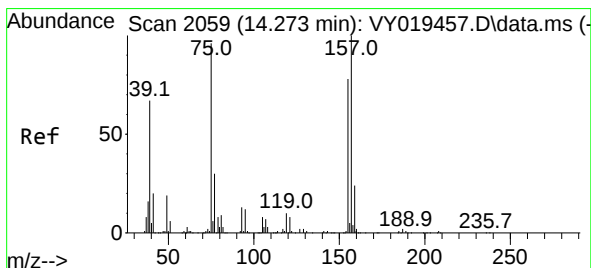
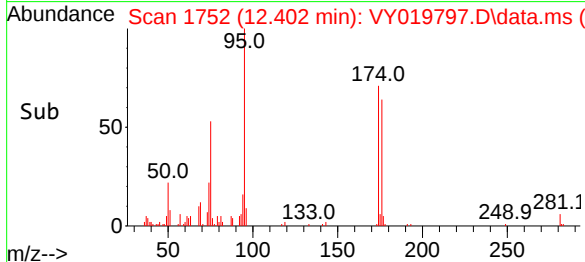
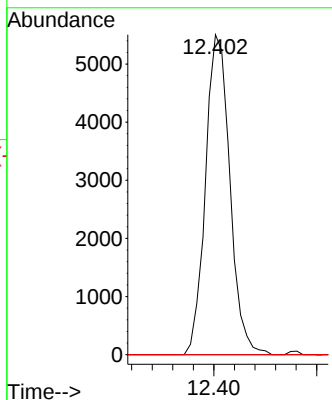
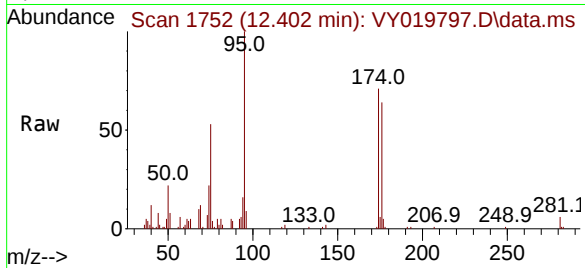




#81
trans-1,4-Dichloro-2-butene
Concen: 148.459 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

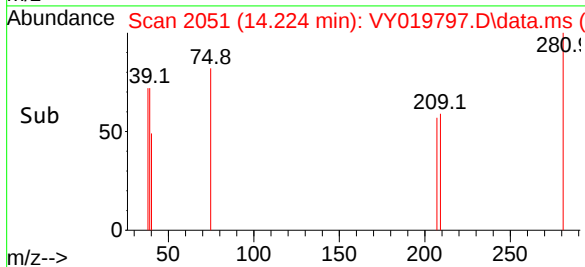
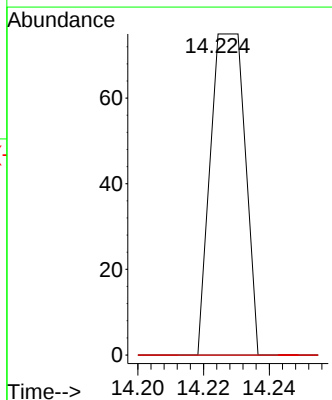
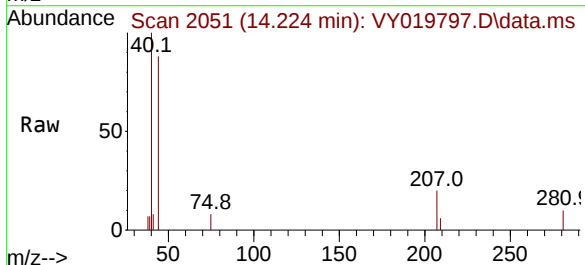
Instrument :
MSVOA_Y
ClientSampleId :

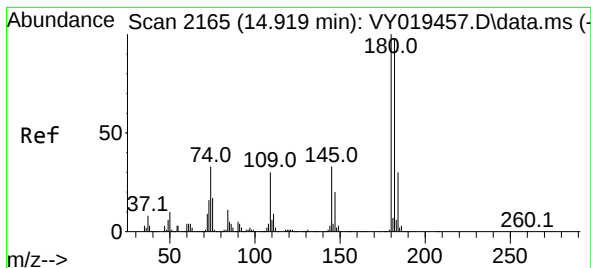
Tgt Ion: 75 Resp: 9083
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.045 ug/l
RT: 14.224 min Scan# 2051
Delta R.T. -0.048 min
Lab File: VY019797.D
Acq: 04 Oct 2024 14:07

Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#





#93

1,2,4-Trichlorobenzene

Concen: 1.143 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY019797.D

Acq: 04 Oct 2024 14:07

Instrument :

MSVOA_Y

ClientSampleId :

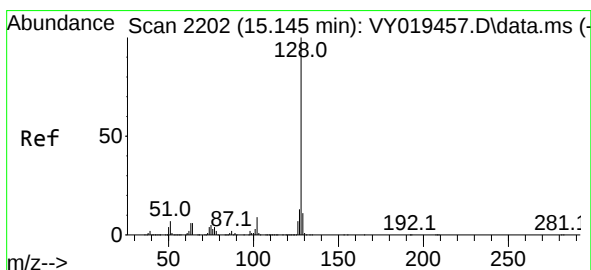
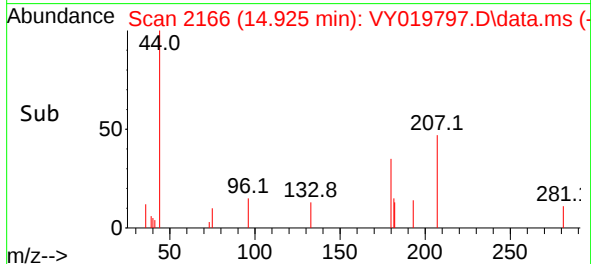
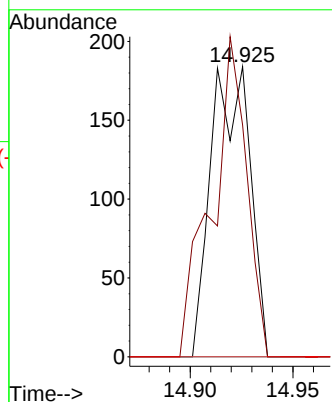
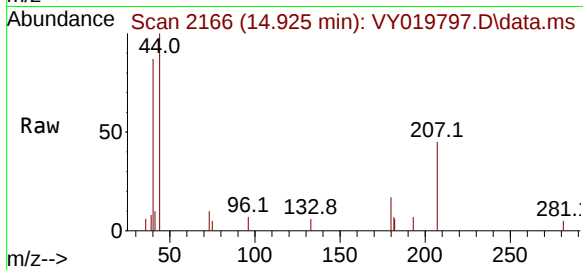
Tgt Ion:180 Resp: 243

Ion Ratio Lower Upper

180 100

182 98.8 47.9 143.8

145 0.0 14.2 42.6#



#95

Naphthalene

Concen: 1.794 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY019797.D

Acq: 04 Oct 2024 14:07

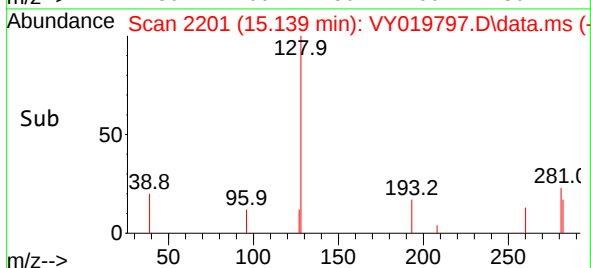
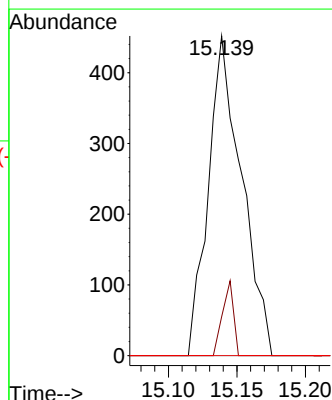
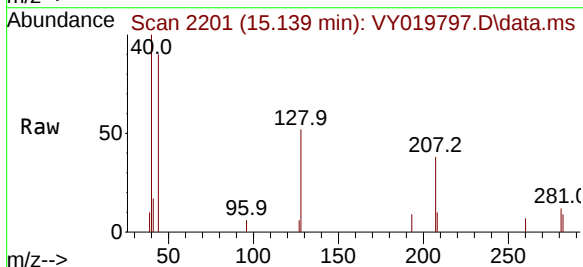
Tgt Ion:128 Resp: 764

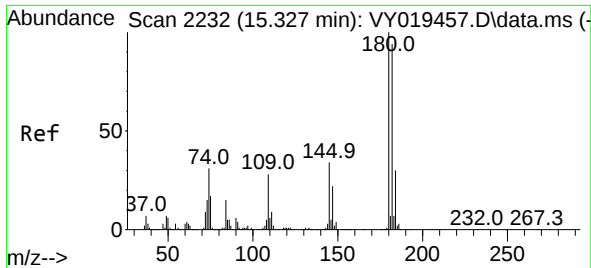
Ion Ratio Lower Upper

128 100

127 7.7 10.6 16.0#

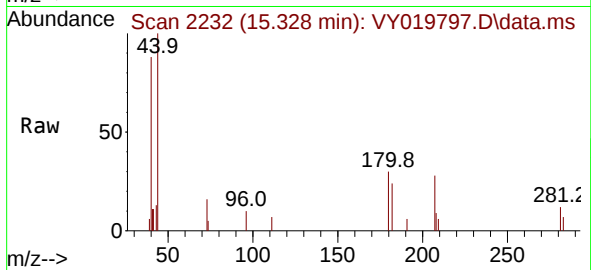
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.424 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY019797.D
 Acq: 04 Oct 2024 14:07

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 259
 Ion Ratio Lower Upper
 180 100
 182 107.7 47.6 142.9
 145 14.3 15.4 46.1#

