

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019548.D
 Acq On : 13 Sep 2024 18:42
 Operator : SY/MD
 Sample : VIBLK
 Misc : 6.70g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 13 23:36:44 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)

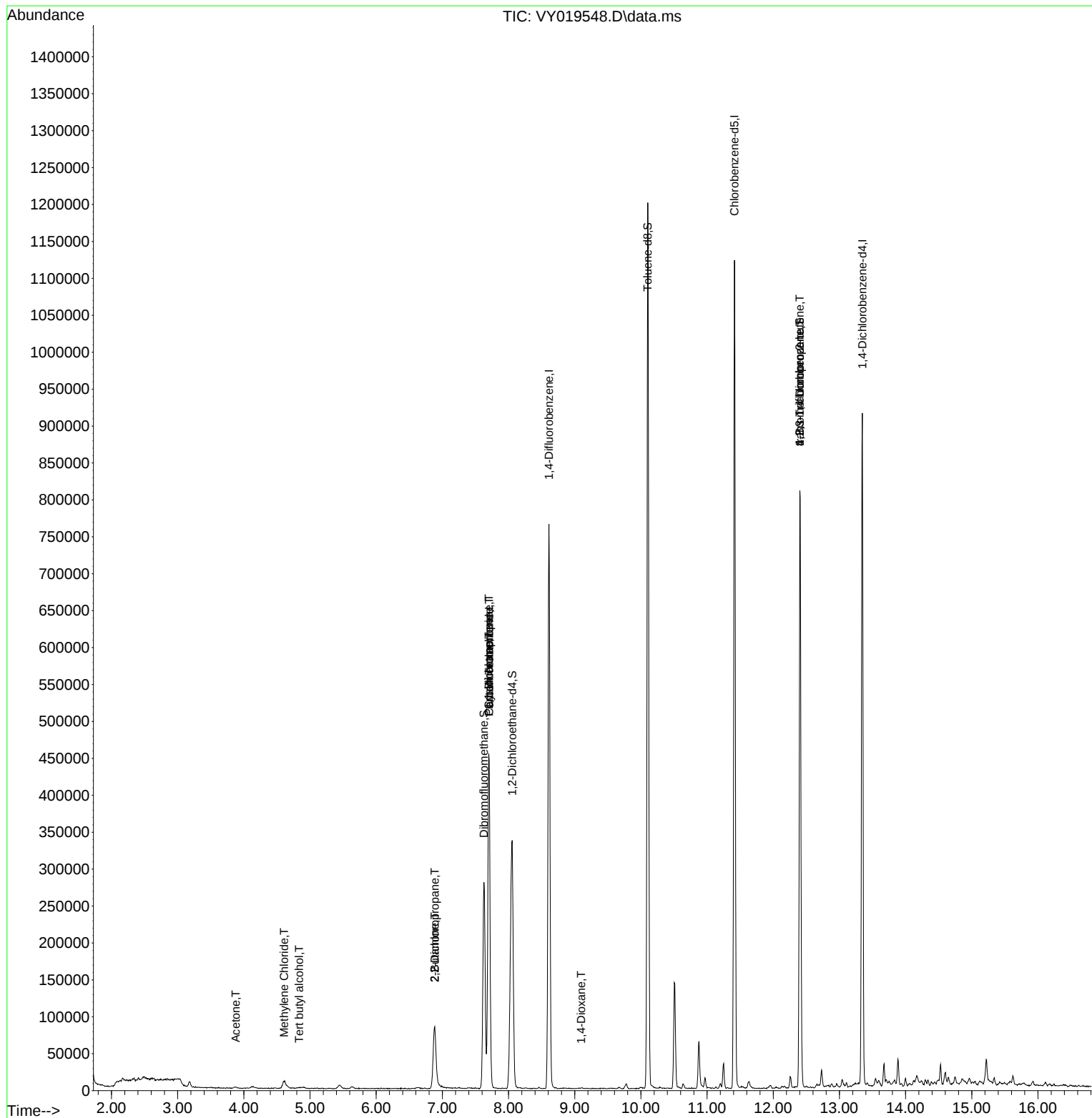
Internal Standards						
1) Pentafluorobenzene	7.707	168	333060	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	648898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	576713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	223958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	193606	62.776	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 125.560%		
35) Dibromofluoromethane	7.628	113	202235	54.968	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 109.940%		
50) Toluene-d8	10.103	98	767953	56.433	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 112.860%		
62) 4-Bromofluorobenzene	12.402	95	253881	48.520	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery	= 97.040%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	362	Below Cal		82
11) Tert butyl alcohol	4.836	59	398	1.598	ug/l #	60
13) Acrolein	3.665	56	282	Below Cal	#	21
16) Acetone	3.879	43	2208	3.005	ug/l	88
20) Methylene Chloride	4.610	84	6144	1.834	ug/l #	76
25) 2-Butanone	6.884	43	5296	5.068	ug/l #	66
26) 2,2-Dichloropropane	6.884	77	6764	1.228	ug/l #	51
31) Cyclohexane	7.701	56	8143	1.475	ug/l #	6
36) 1,1-Dichloropropene	7.701	75	29295	5.852	ug/l #	49
38) Carbon Tetrachloride	7.707	117	36622	6.487	ug/l #	16
49) 1,4-Dioxane	9.097	88	30	1.236	ug/l #	20
76) 1,2,3-Trichloropropane	12.402	75	138280	65.875	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	138280	126.460	ug/l #	16

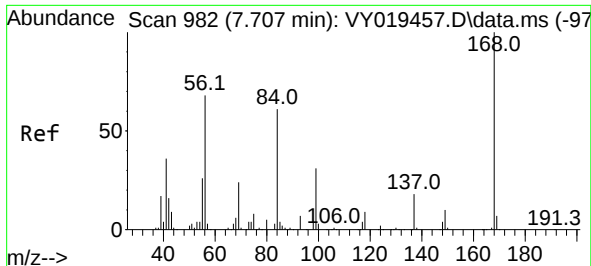
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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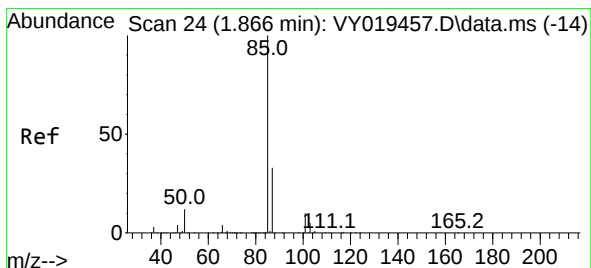
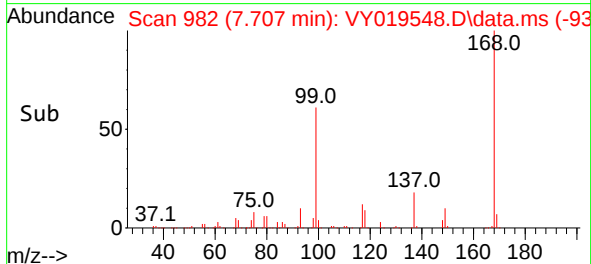
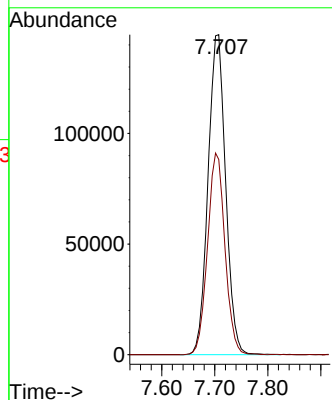
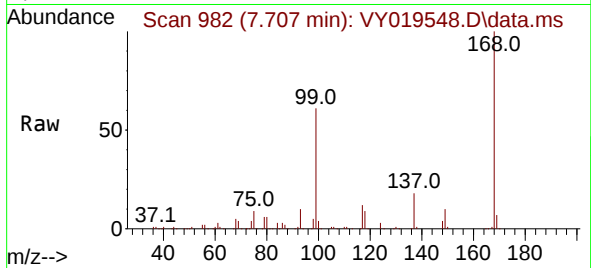




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019548.D
Acq: 13 Sep 2024 18:42

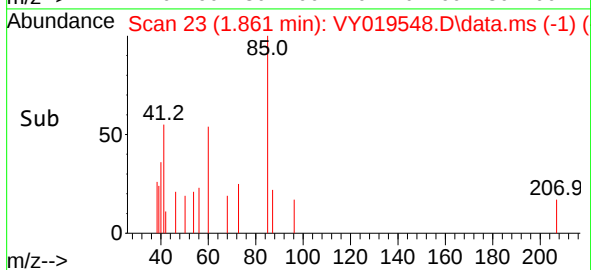
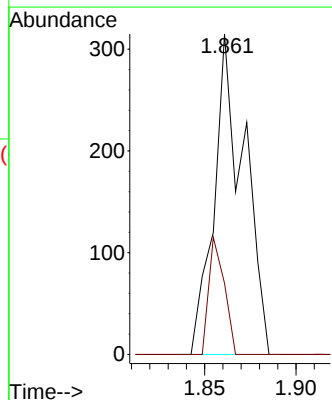
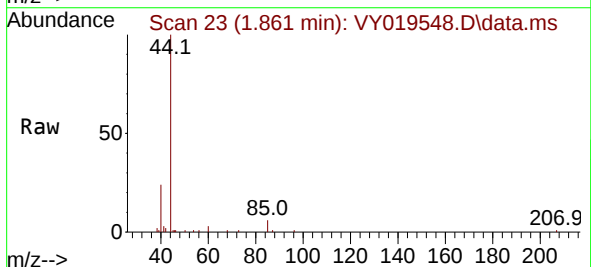
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

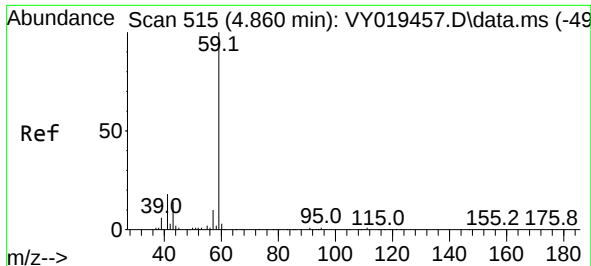
Tgt Ion:168 Resp: 333060
Ion Ratio Lower Upper
168 100
99 61.0 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.861 min Scan# 23
Delta R.T. -0.005 min
Lab File: VY019548.D
Acq: 13 Sep 2024 18:42

Tgt Ion: 85 Resp: 362
Ion Ratio Lower Upper
85 100
87 22.2 16.0 48.0

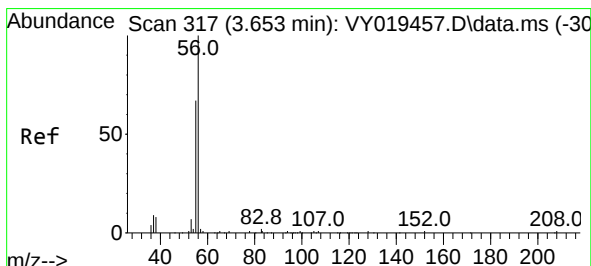
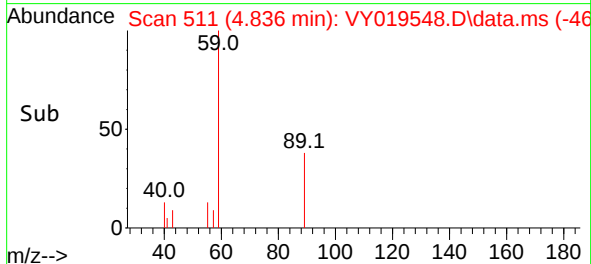
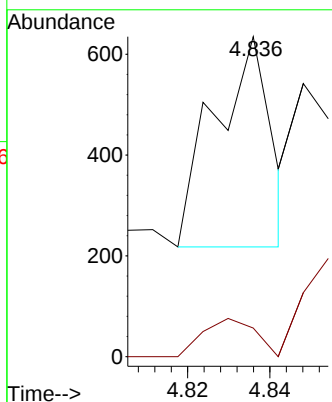
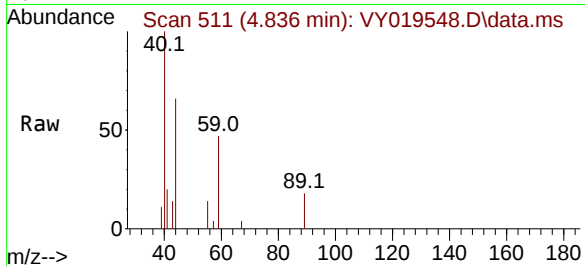




#11
Tert butyl alcohol
Concen: 1.598 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY019548.D
Acq: 13 Sep 2024 18:42

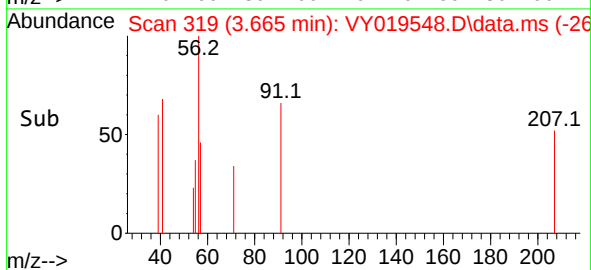
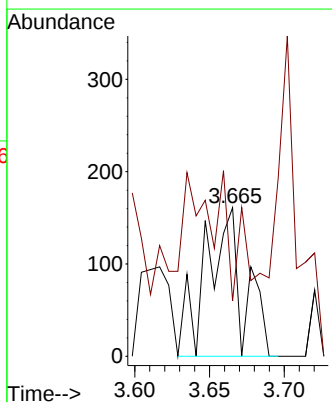
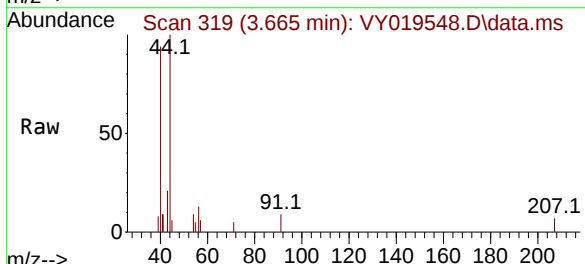
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 59 Resp: 398
Ion Ratio Lower Upper
59 100
57 16.8 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.665 min Scan# 319
Delta R.T. 0.012 min
Lab File: VY019548.D
Acq: 13 Sep 2024 18:42

Tgt Ion: 56 Resp: 282
Ion Ratio Lower Upper
56 100
55 134.0 55.7 83.5#

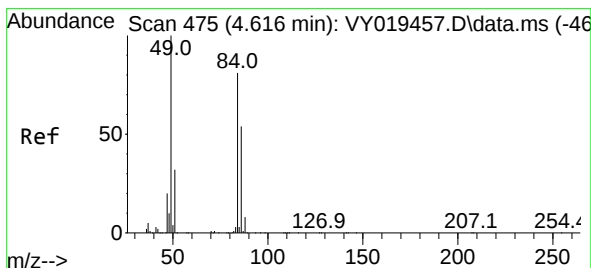
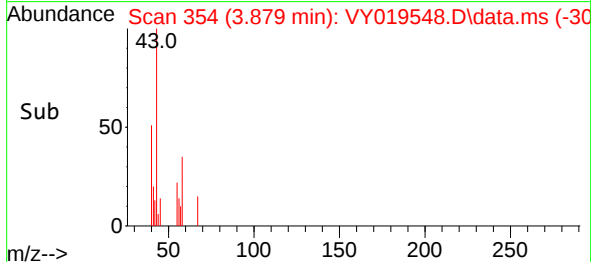
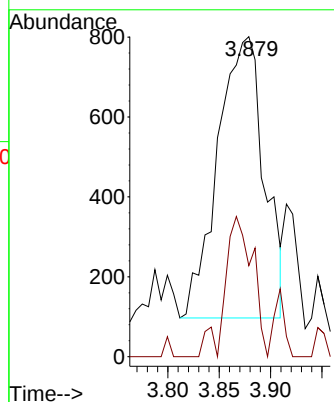
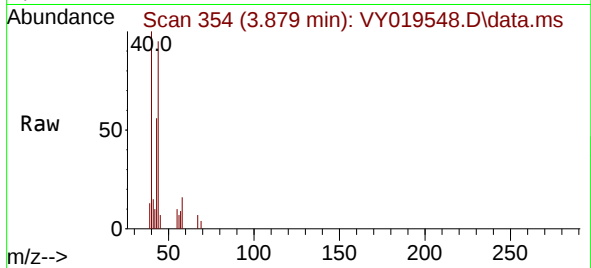




#16
Acetone
Concen: 3.005 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY019548.D
Acq: 13 Sep 2024 18:42

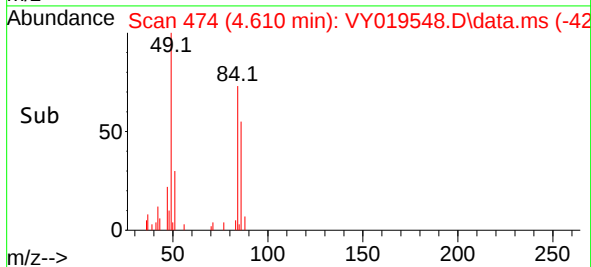
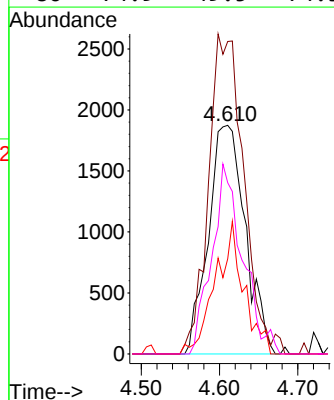
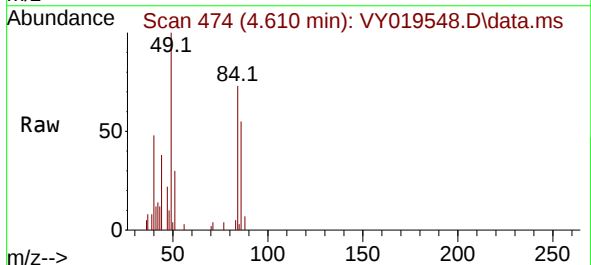
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
58 32.4 31.7 47.5



#20
Methylene Chloride
Concen: 1.834 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019548.D
Acq: 13 Sep 2024 18:42

Tgt Ion: 84 Resp: 6144
Ion Ratio Lower Upper
84 100
49 136.7 84.4 126.6#
51 41.6 26.0 39.0#
86 74.9 49.5 74.3#





#25

2-Butanone

Concen: 5.068 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY019548.D

Acq: 13 Sep 2024 18:42

Instrument :

MSVOA_Y

ClientSampleId :

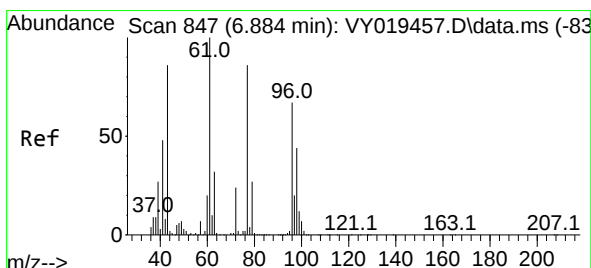
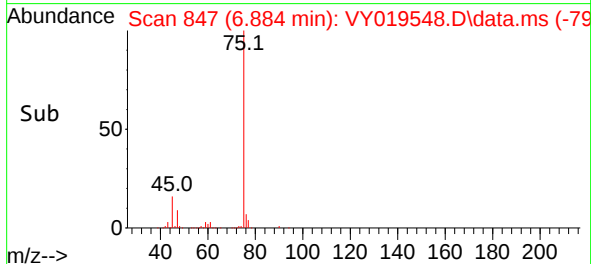
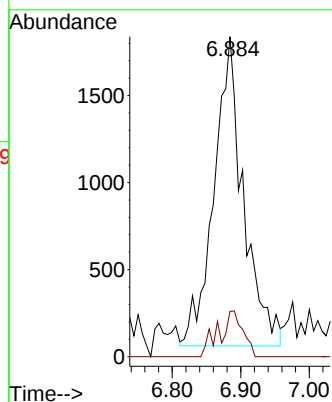
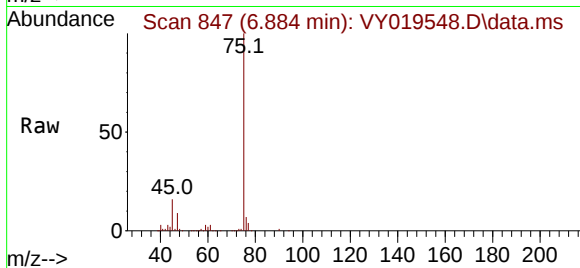
VIBLK

Tgt Ion: 43 Resp: 5296

Ion Ratio Lower Upper

43 100

72 14.8 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 1.228 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY019548.D

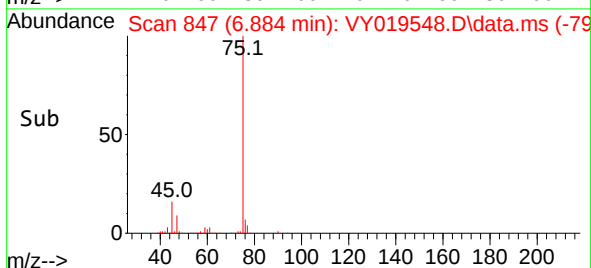
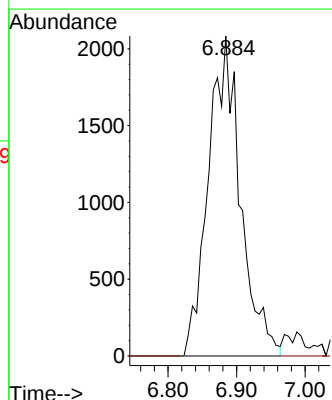
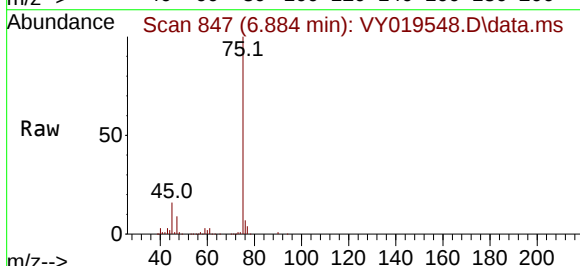
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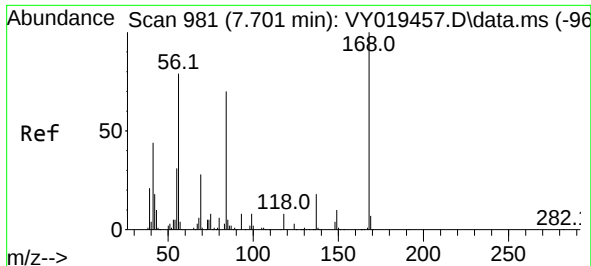
Tgt Ion: 77 Resp: 6764

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#

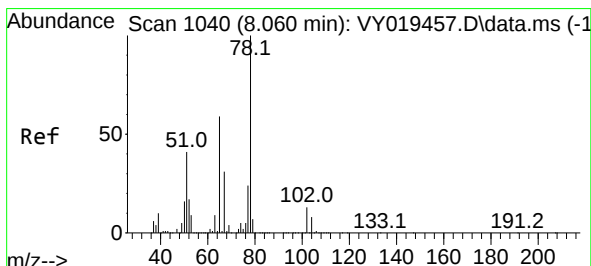
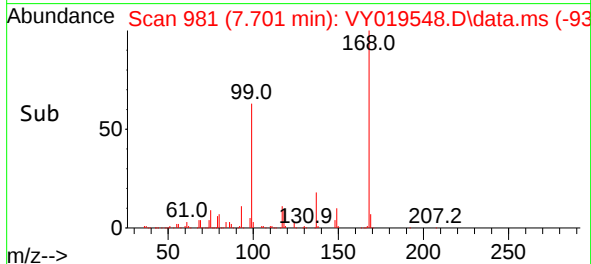
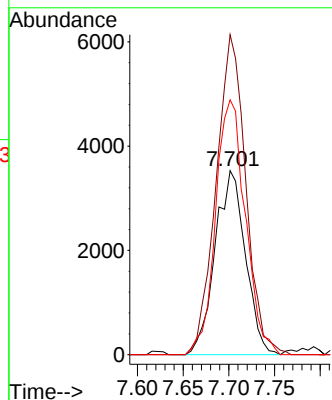
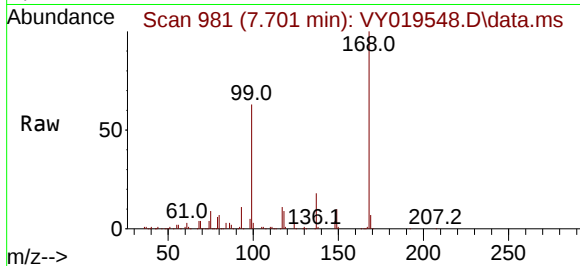




#31
Cyclohexane
Concen: 1.475 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019548.D
Acq: 13 Sep 2024 18:42

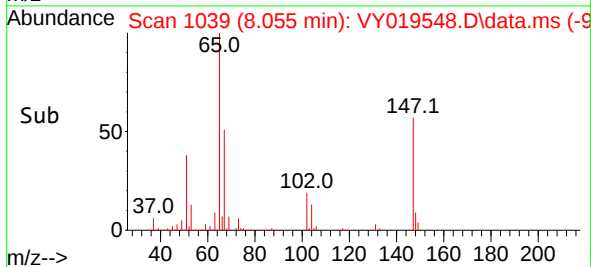
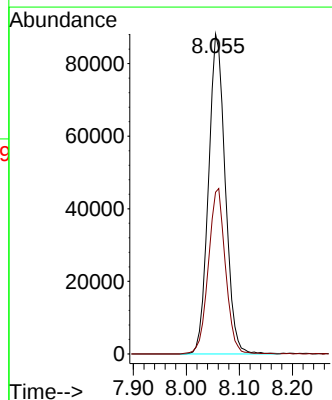
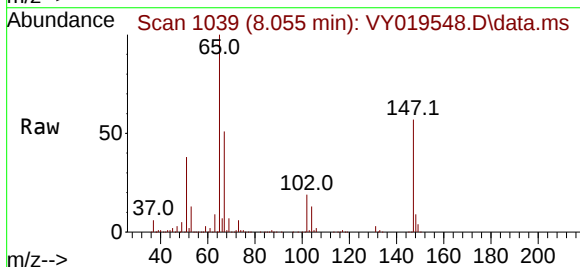
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

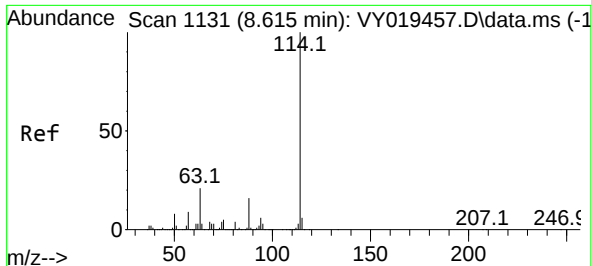
Tgt Ion: 56 Resp: 8143
Ion Ratio Lower Upper
56 100
69 173.9 28.7 43.1#
84 138.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 62.776 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019548.D
Acq: 13 Sep 2024 18:42

Tgt Ion: 65 Resp: 193606
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY019548.D

Acq: 13 Sep 2024 18:42

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

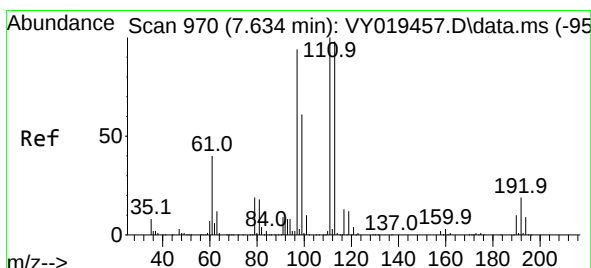
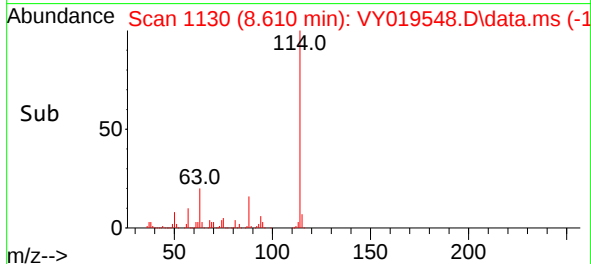
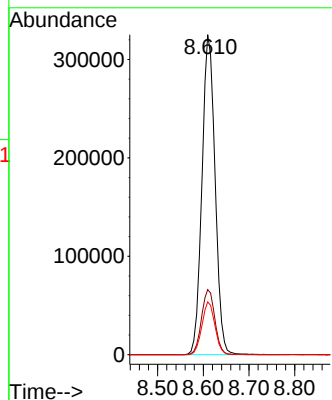
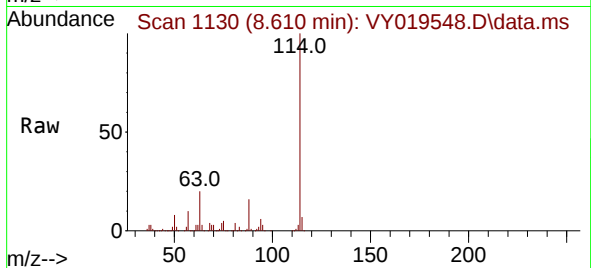
Tgt Ion:114 Resp: 648898

Ion Ratio Lower Upper

114 100

63 20.4 0.0 35.0

88 16.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 54.968 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019548.D

Acq: 13 Sep 2024 18:42

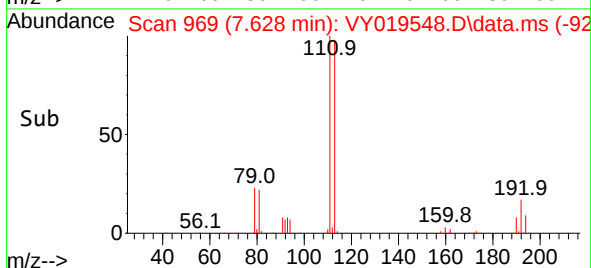
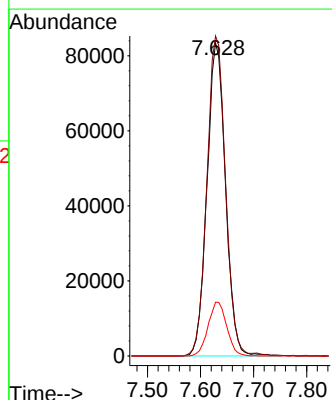
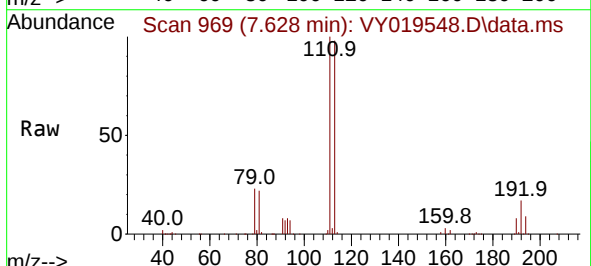
Tgt Ion:113 Resp: 202235

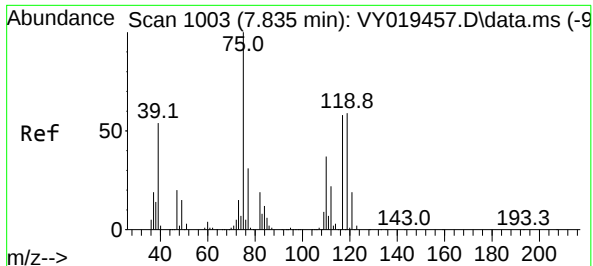
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 17.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.852 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY019548.D

Acq: 13 Sep 2024 18:42

Instrument :

MSVOA_Y

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VIBLK

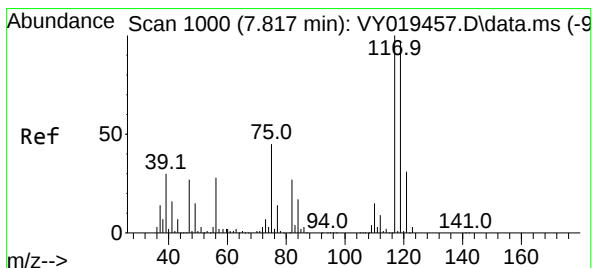
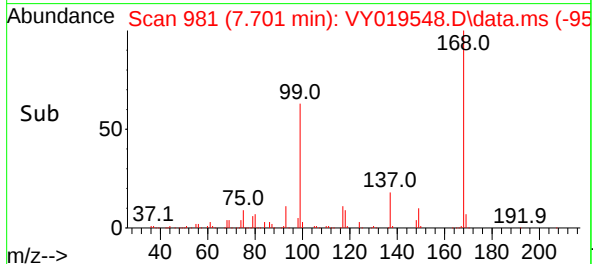
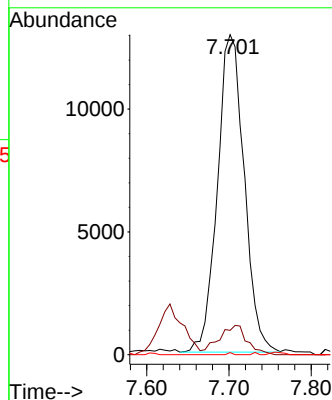
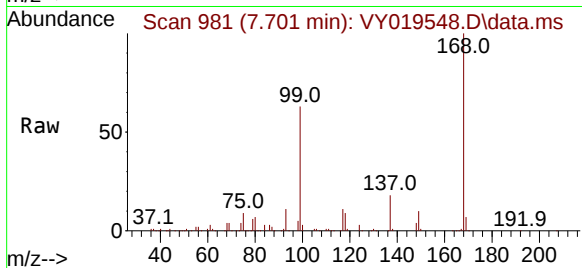
Tgt Ion: 75 Resp: 29295

Ion Ratio Lower Upper

75 100

110 9.7 19.0 57.0#

77 0.1 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.487 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.109 min

Lab File: VY019548.D

Acq: 13 Sep 2024 18:42

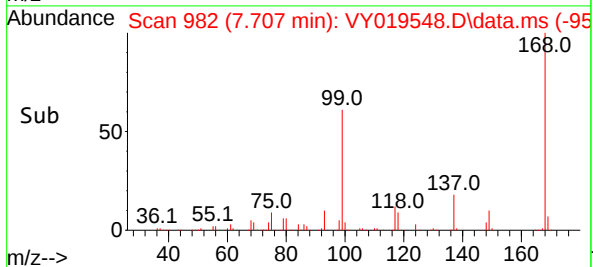
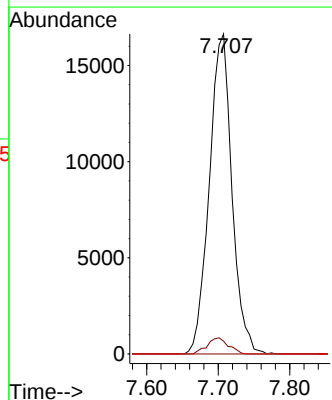
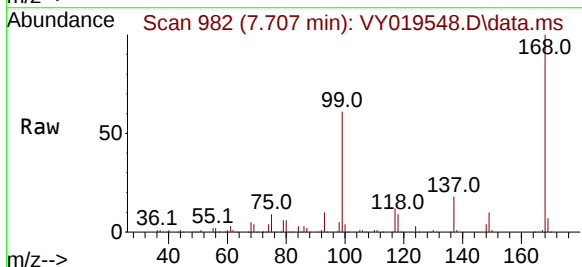
Tgt Ion: 117 Resp: 36622

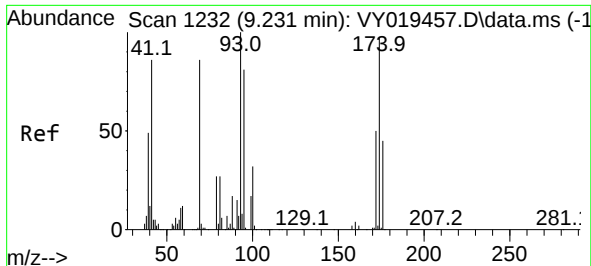
Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.6#

121 0.0 24.0 36.0#

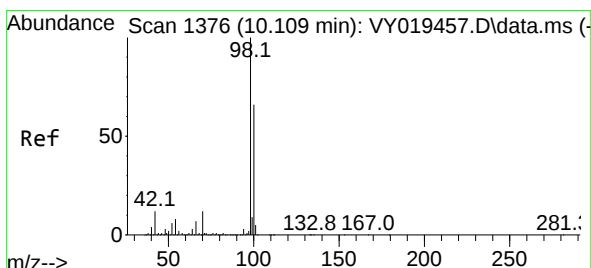
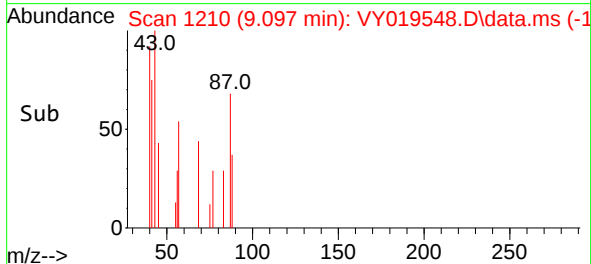
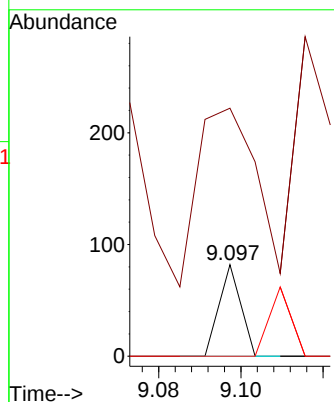
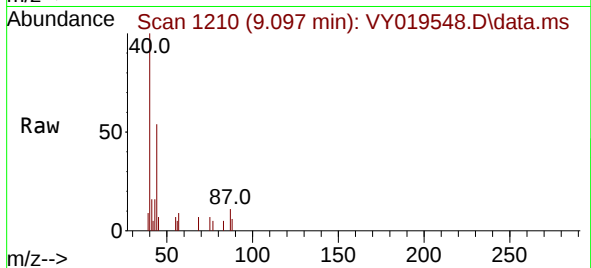




#49
1,4-Dioxane
Concen: 1.236 ug/l
RT: 9.097 min Scan# 11
Delta R.T. -0.134 min
Lab File: VY019548.D
Acq: 13 Sep 2024 18:42

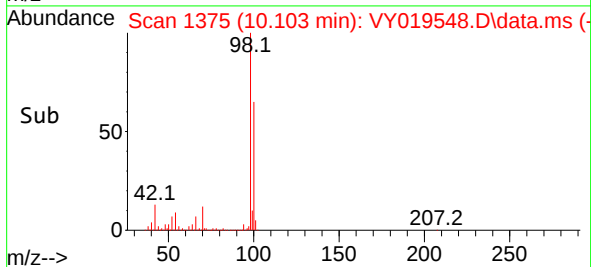
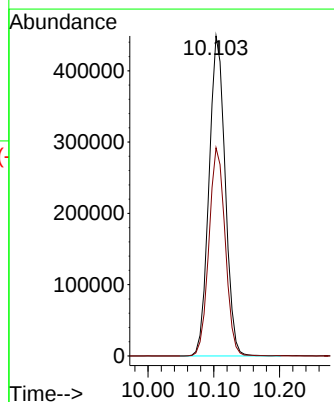
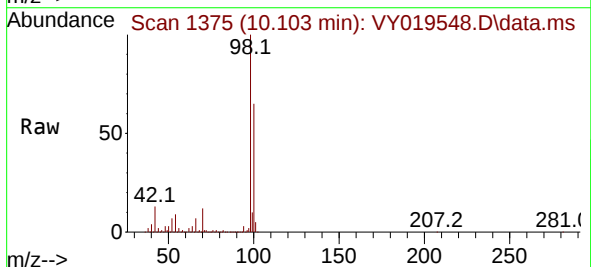
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

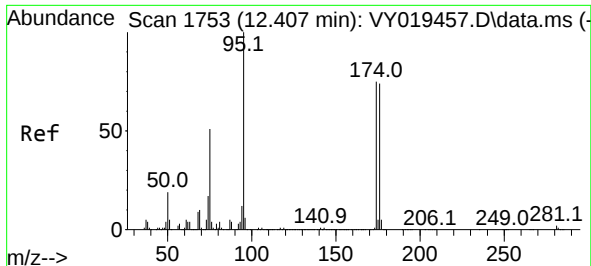
Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 556.7 0.0 0.0#
58 0.0 49.3 73.9#



#50
Toluene-d8
Concen: 56.433 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019548.D
Acq: 13 Sep 2024 18:42

Tgt Ion: 98 Resp: 767953
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

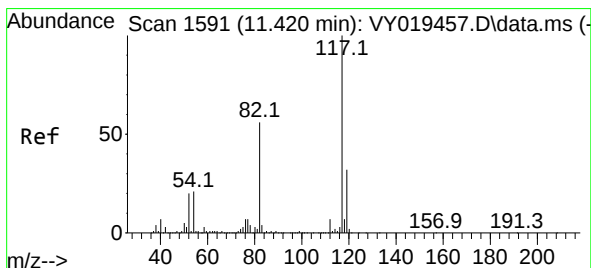
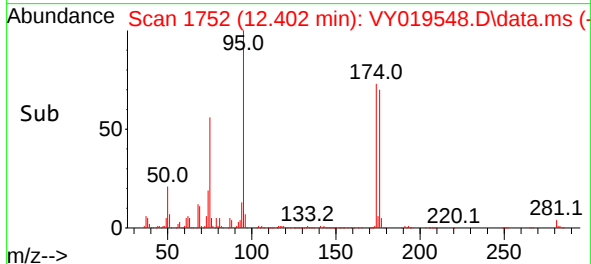
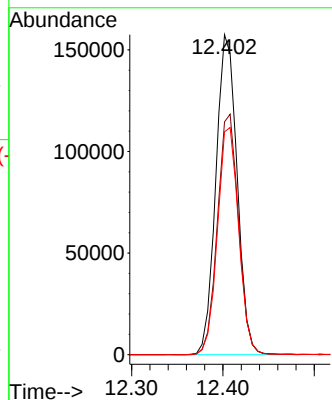
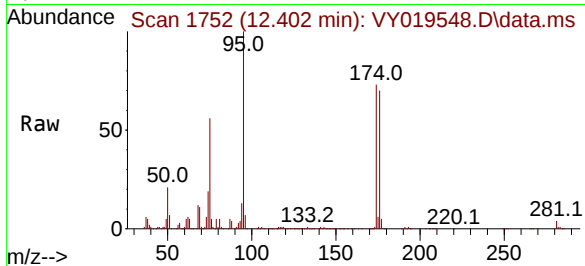




#62
4-Bromofluorobenzene
Concen: 48.520 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019548.D
Acq: 13 Sep 2024 18:42

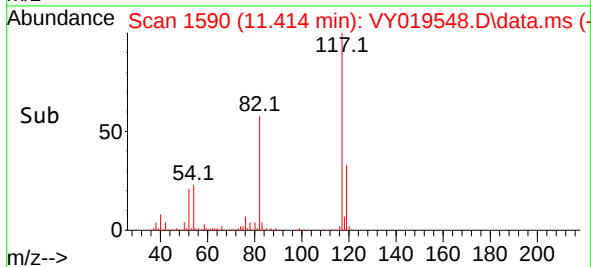
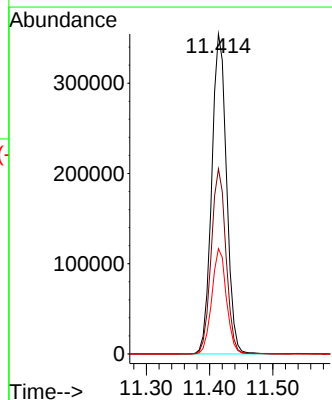
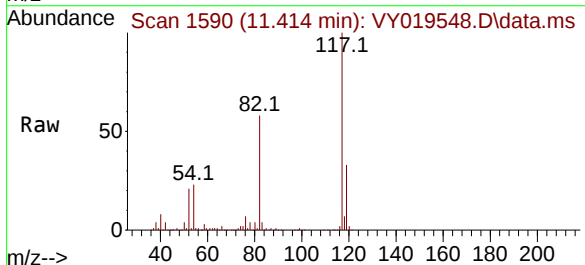
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

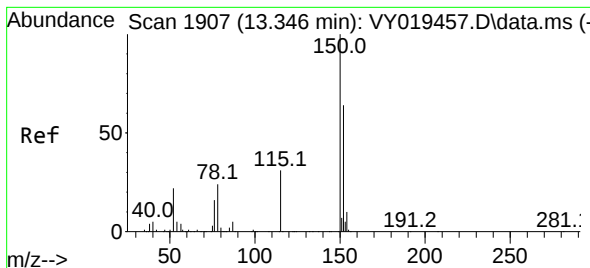
Tgt Ion: 95 Resp: 253881
Ion Ratio Lower Upper
95 100
174 74.8 0.0 175.6
176 70.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019548.D
Acq: 13 Sep 2024 18:42

Tgt Ion: 117 Resp: 576713
Ion Ratio Lower Upper
117 100
82 57.9 42.4 63.6
119 32.9 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: VY019548.D

Acq: 13 Sep 2024 18:42

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

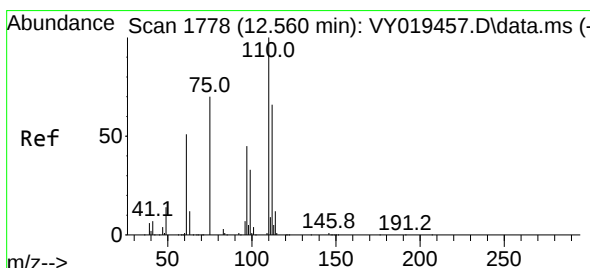
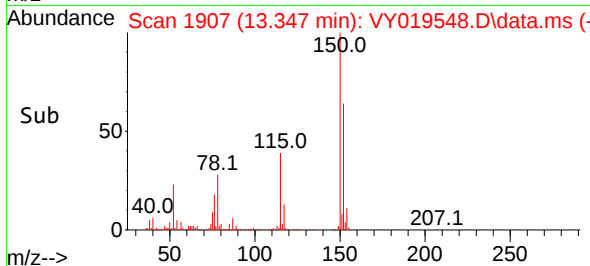
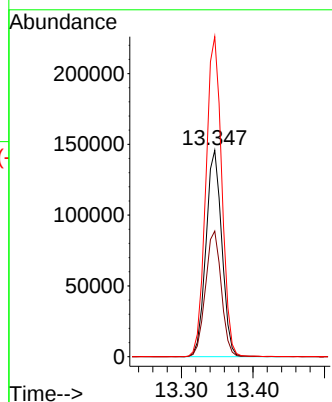
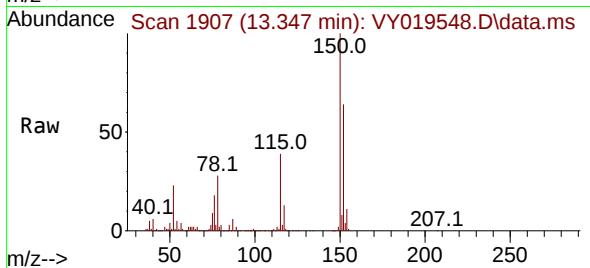
Tgt Ion:152 Resp: 223958

Ion Ratio Lower Upper

152 100

115 61.1 28.2 84.7

150 156.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 65.875 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019548.D

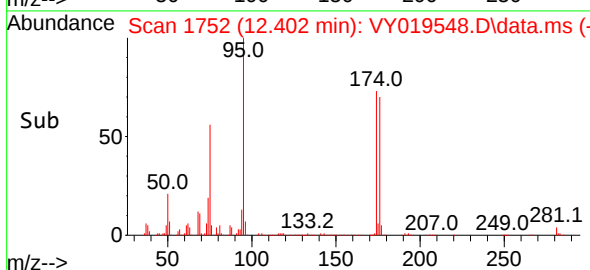
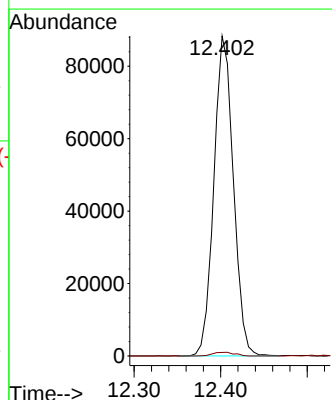
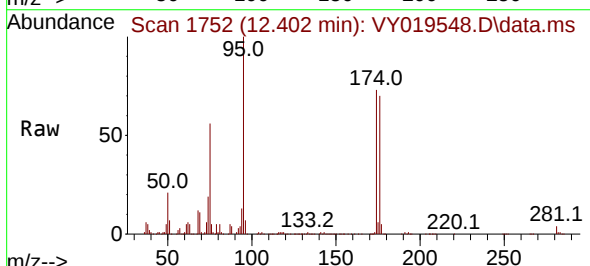
Acq: 13 Sep 2024 18:42

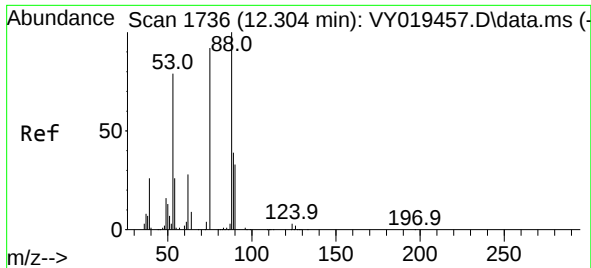
Tgt Ion: 75 Resp: 138280

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.460 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019548.D
 Acq: 13 Sep 2024 18:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 138280
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.3 35.8 53.6#

