

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092324\
 Data File : VY019662.D
 Acq On : 23 Sep 2024 12:54
 Operator : SY/MD
 Sample : P4103-04
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 24 01:45:04 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)

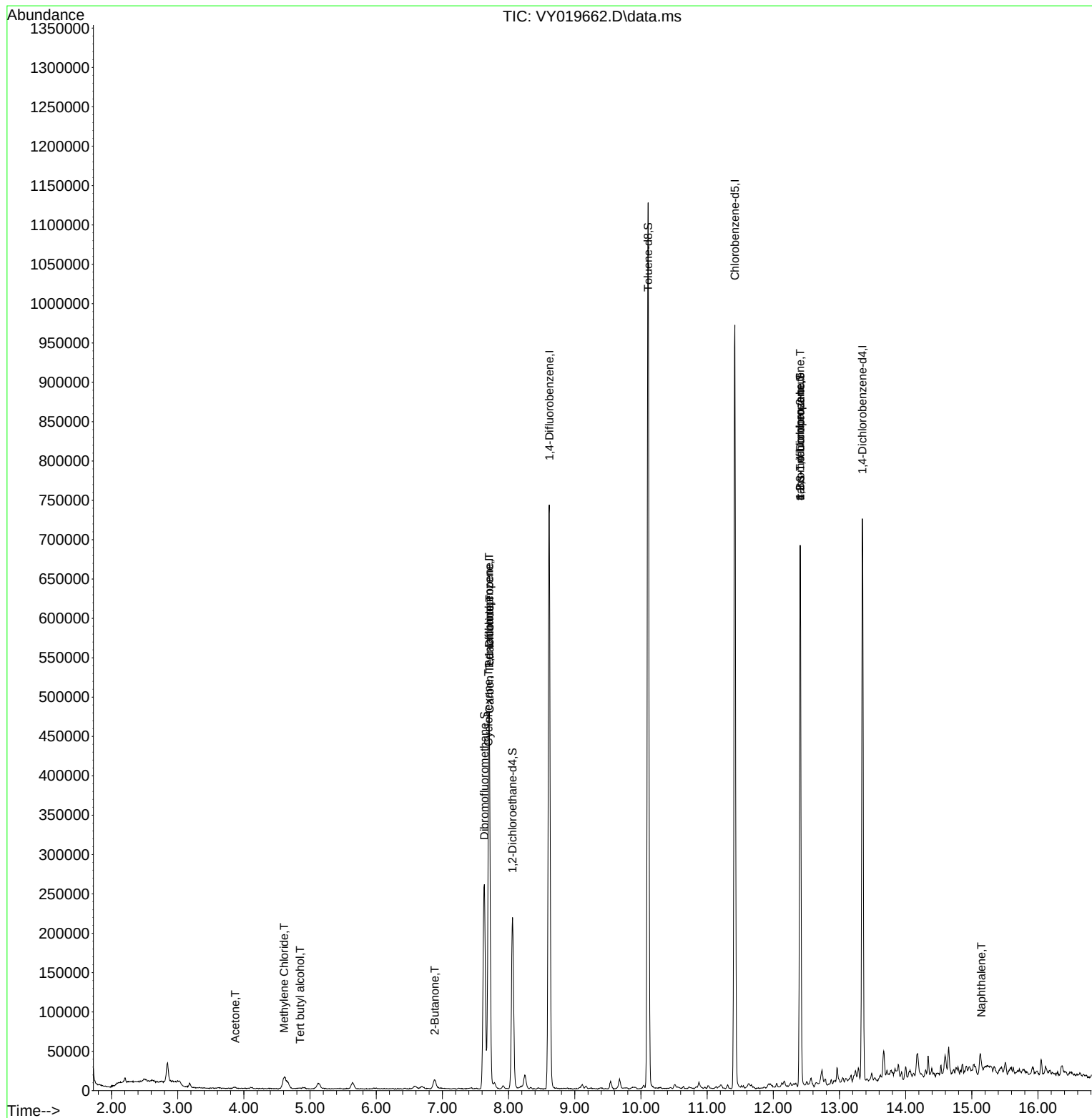
Internal Standards						
1) Pentafluorobenzene	7.707	168	357828	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	634730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	512047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	176038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	173488	52.359	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 104.720%		
35) Dibromofluoromethane	7.634	113	190682	52.985	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 105.960%		
50) Toluene-d8	10.109	98	725156	54.477	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 108.960%		
62) 4-Bromofluorobenzene	12.407	95	212235	41.466	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	= 82.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	131	Below Cal	#	43
11) Tert butyl alcohol	4.848	59	953	3.561	ug/l #	88
13) Acrolein	3.647	56	154	Below Cal	#	15
16) Acetone	3.872	43	1832	2.321	ug/l #	70
20) Methylene Chloride	4.610	84	8602	2.389	ug/l	93
25) 2-Butanone	6.884	43	1201	1.070	ug/l #	41
31) Cyclohexane	7.695	56	9267	1.563	ug/l #	35
36) 1,1-Dichloropropene	7.707	75	29748	6.075	ug/l #	49
38) Carbon Tetrachloride	7.713	117	37215	6.739	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	113214	68.615	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	113214	131.721	ug/l #	16
95) Naphthalene	15.145	128	8174	1.366	ug/l #	90

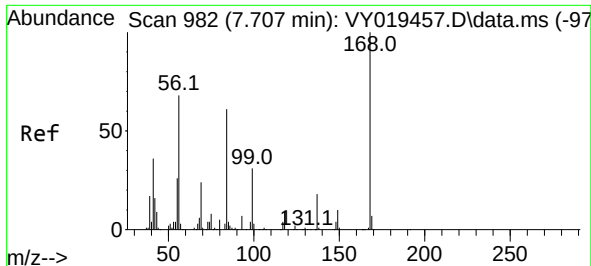
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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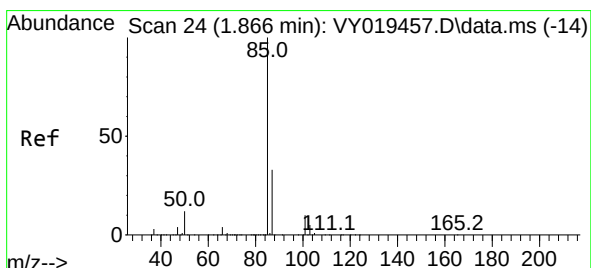
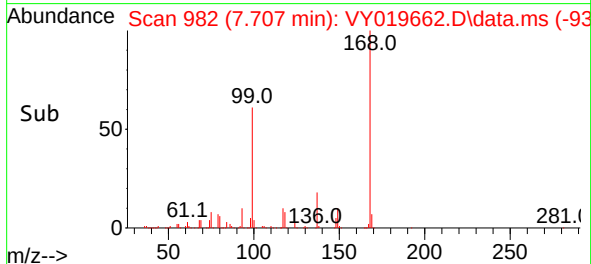
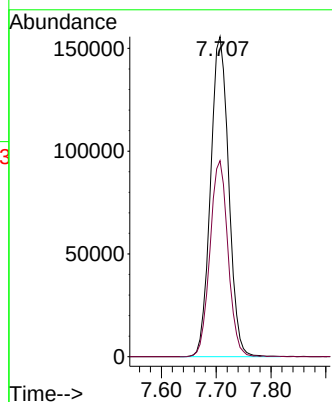
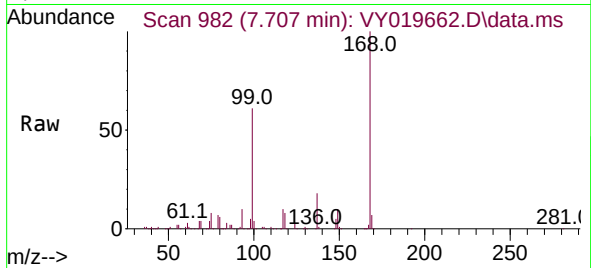




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019662.D
Acq: 23 Sep 2024 12:54

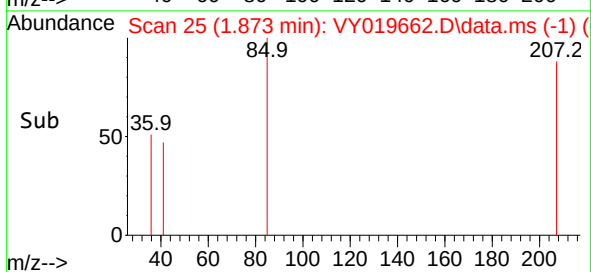
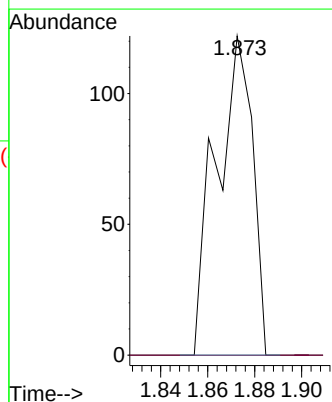
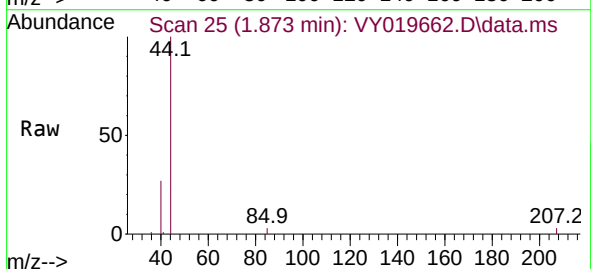
Instrument :
MSVOA_Y
ClientSampleId :

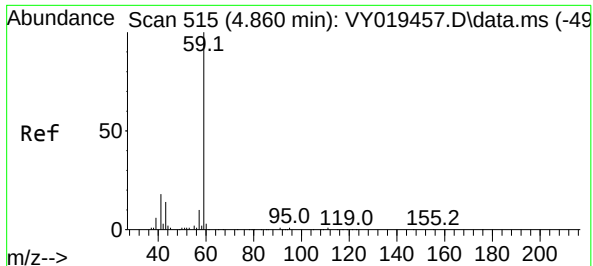
Tgt Ion:168 Resp: 357828
Ion Ratio Lower Upper
168 100
99 61.3 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.873 min Scan# 25
Delta R.T. 0.007 min
Lab File: VY019662.D
Acq: 23 Sep 2024 12:54

Tgt Ion: 85 Resp: 131
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 3.561 ug/l

RT: 4.848 min Scan# 51

Delta R.T. -0.012 min

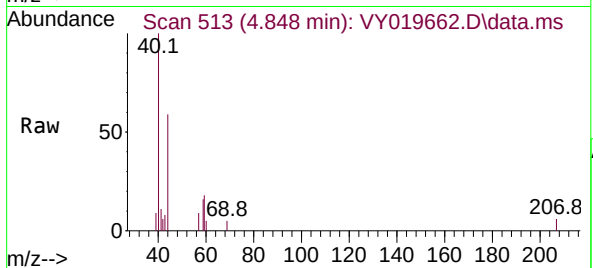
Lab File: VY019662.D

Acq: 23 Sep 2024 12:54

Instrument :

MSVOA_Y

ClientSampleId :

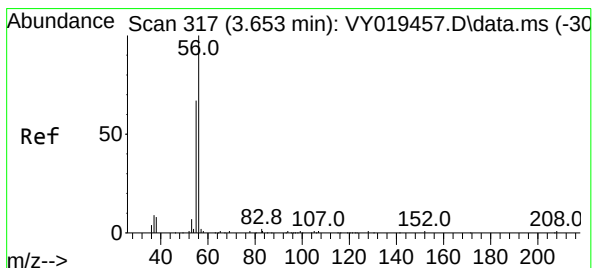
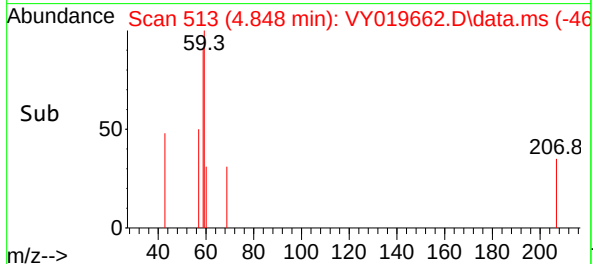
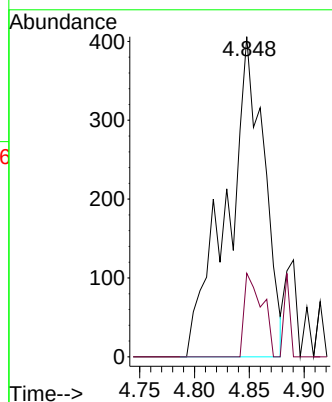


Tgt Ion: 59 Resp: 953

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.647 min Scan# 316

Delta R.T. -0.006 min

Lab File: VY019662.D

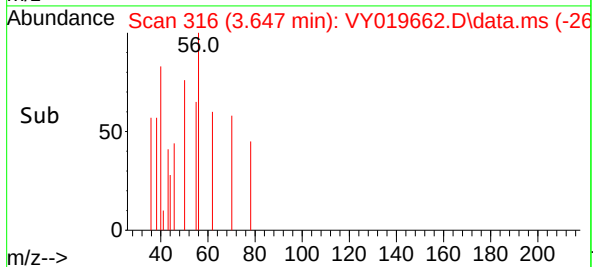
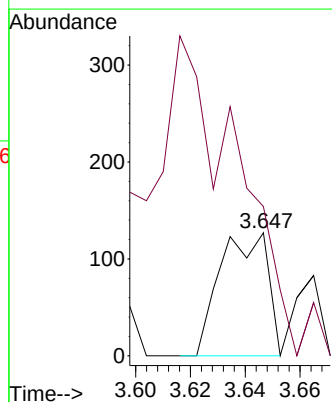
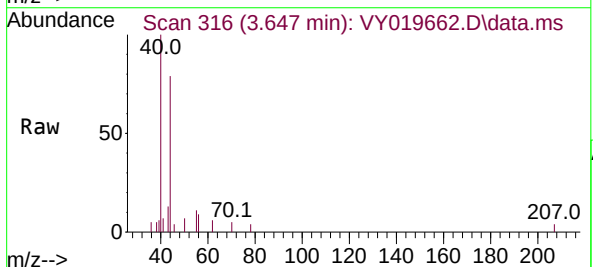
Acq: 23 Sep 2024 12:54

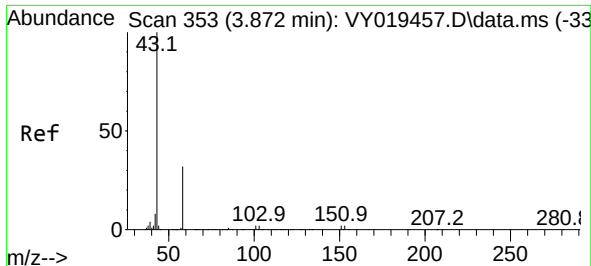
Tgt Ion: 56 Resp: 154

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#

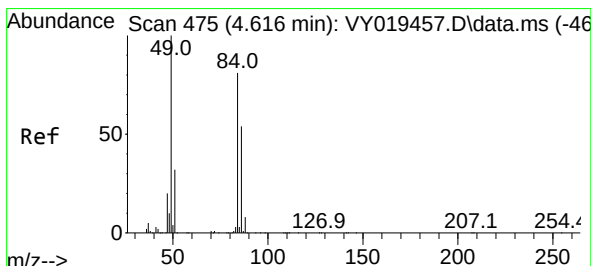
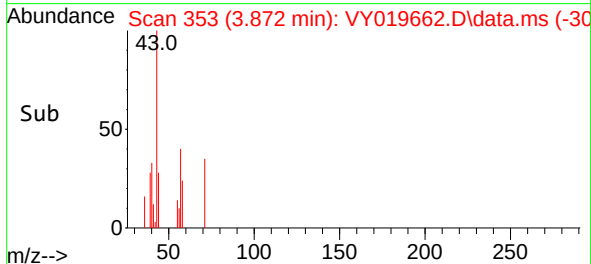
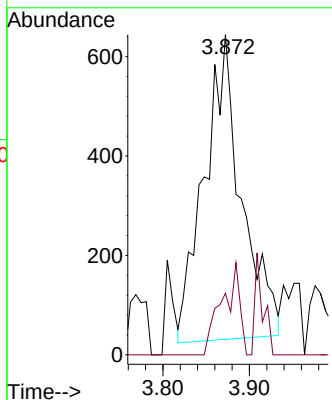
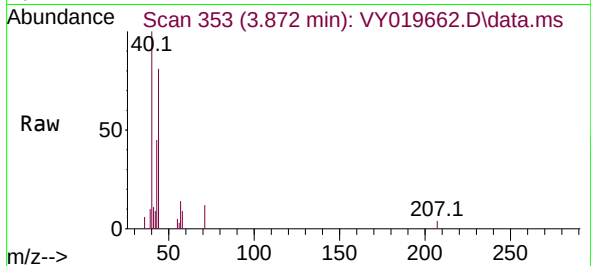




#16
Acetone
Concen: 2.321 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY019662.D
Acq: 23 Sep 2024 12:54

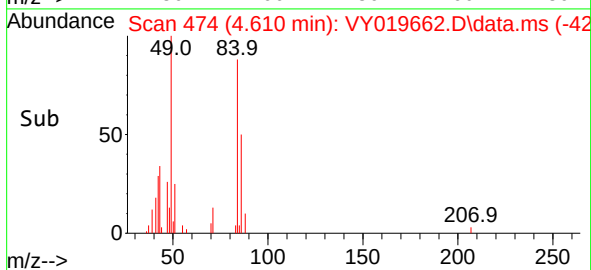
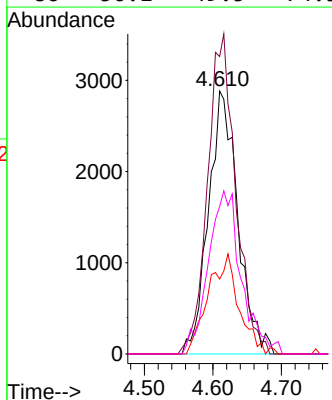
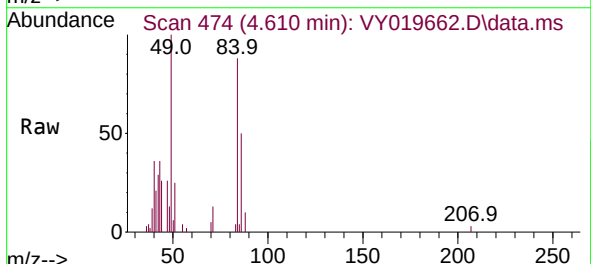
Instrument :
MSVOA_Y
ClientSampleId :

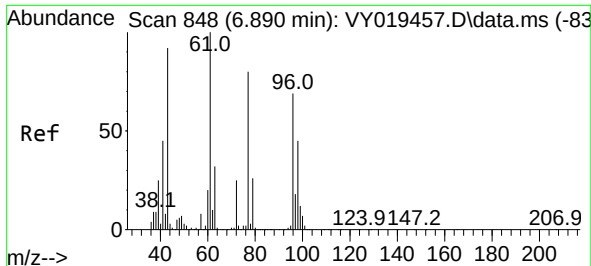
Tgt Ion: 43 Resp: 1832
Ion Ratio Lower Upper
43 100
58 20.9 31.7 47.5#



#20
Methylene Chloride
Concen: 2.389 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019662.D
Acq: 23 Sep 2024 12:54

Tgt Ion: 84 Resp: 8602
Ion Ratio Lower Upper
84 100
49 113.1 84.4 126.6
51 28.5 26.0 39.0
86 56.1 49.5 74.3





#25

2-Butanone

Concen: 1.070 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.006 min

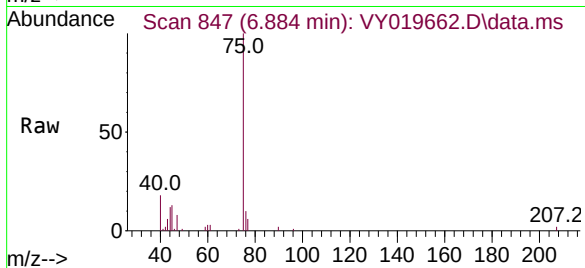
Lab File: VY019662.D

Acq: 23 Sep 2024 12:54

Instrument :

MSVOA_Y

ClientSampleId :

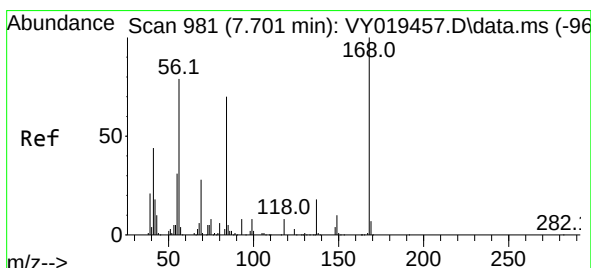
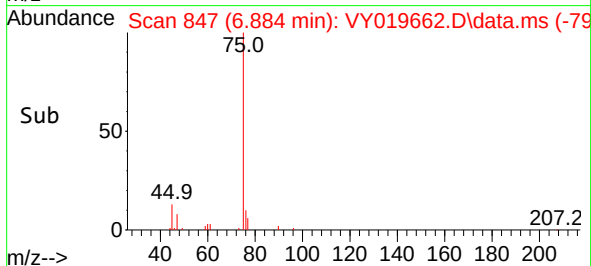
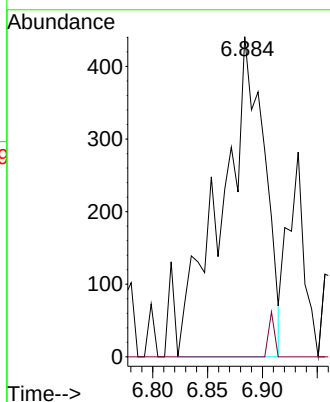


Tgt Ion: 43 Resp: 1201

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.563 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY019662.D

Acq: 23 Sep 2024 12:54

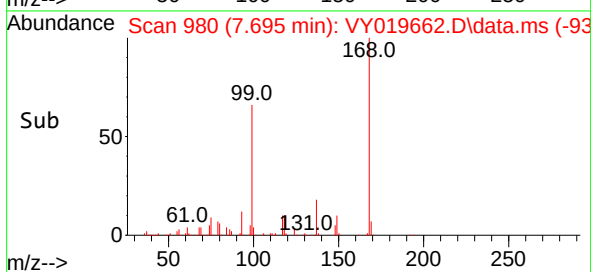
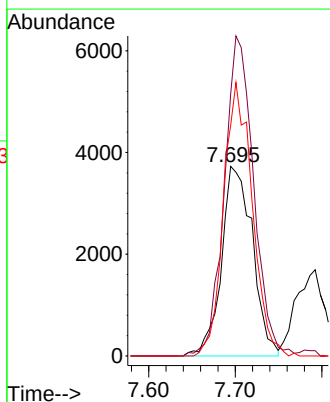
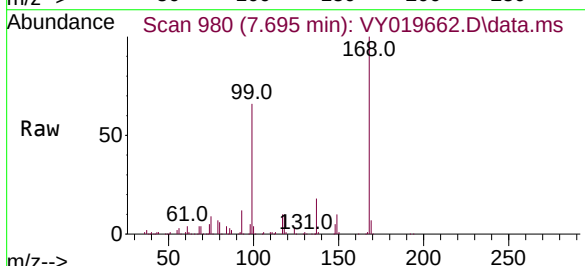
Tgt Ion: 56 Resp: 9267

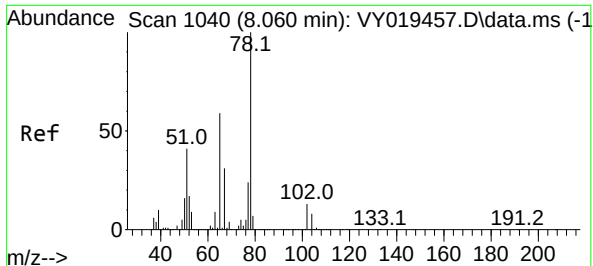
Ion Ratio Lower Upper

56 100

69 138.2 28.7 43.1#

84 121.8 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 52.359 ug/l

RT: 8.060 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY019662.D

Acq: 23 Sep 2024 12:54

Instrument :

MSVOA_Y

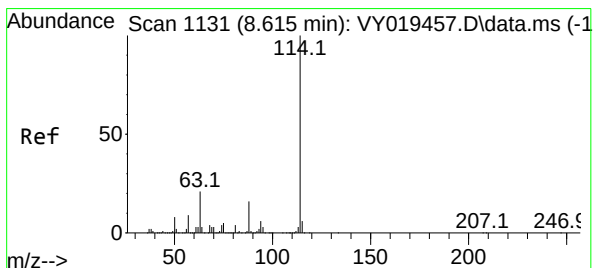
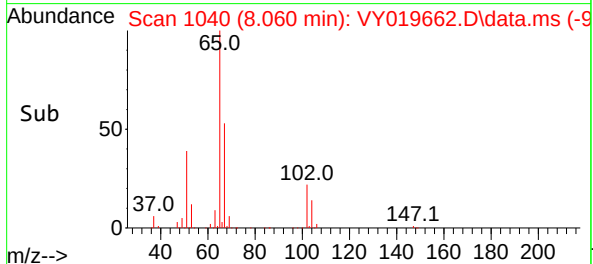
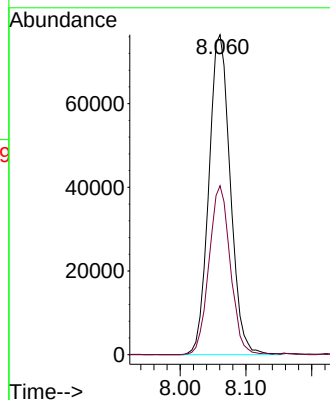
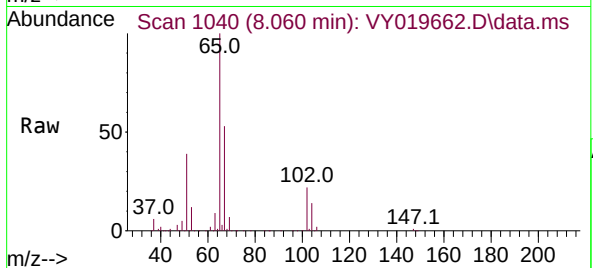
ClientSampleId :

Tgt Ion: 65 Resp: 173488

Ion Ratio Lower Upper

65 100

67 52.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY019662.D

Acq: 23 Sep 2024 12:54

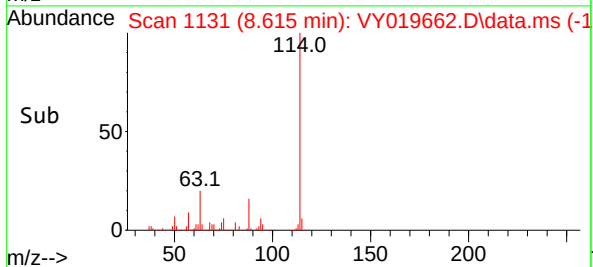
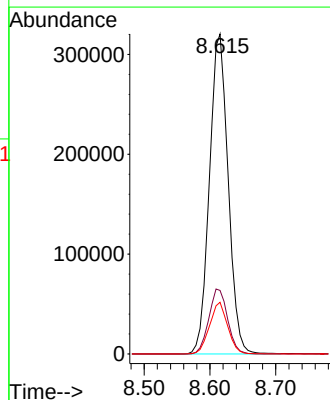
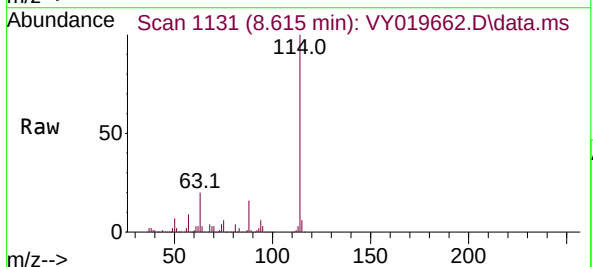
Tgt Ion: 114 Resp: 634730

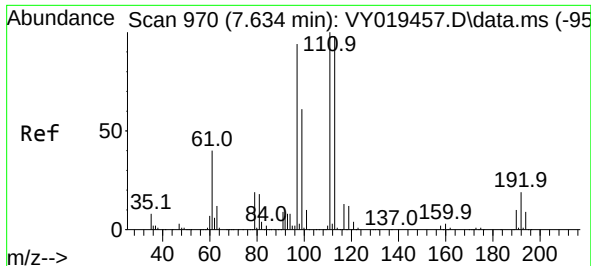
Ion Ratio Lower Upper

114 100

63 19.8 0.0 35.0

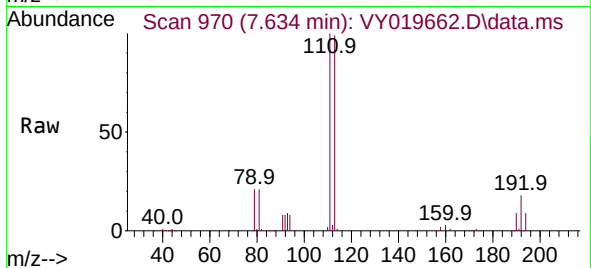
88 16.2 0.0 27.2



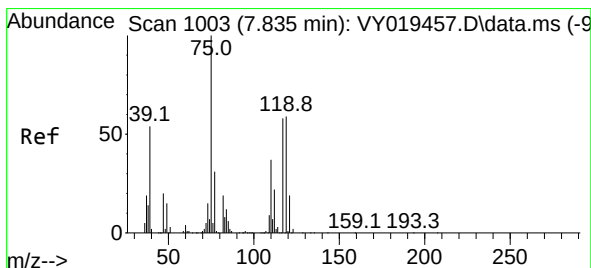
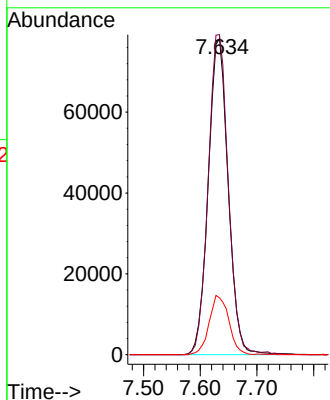
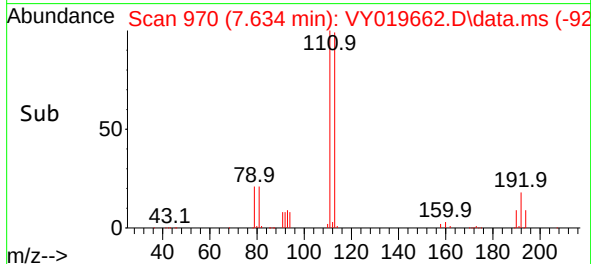


#35
Dibromofluoromethane
Concen: 52.985 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019662.D
Acq: 23 Sep 2024 12:54

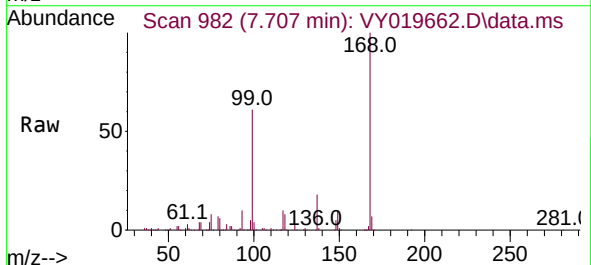
Instrument :
MSVOA_Y
ClientSampleId :



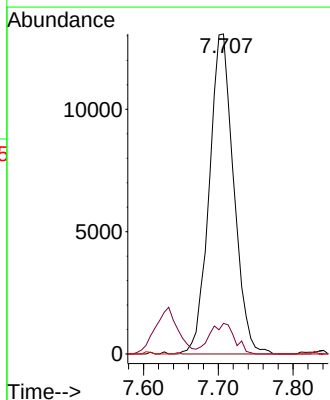
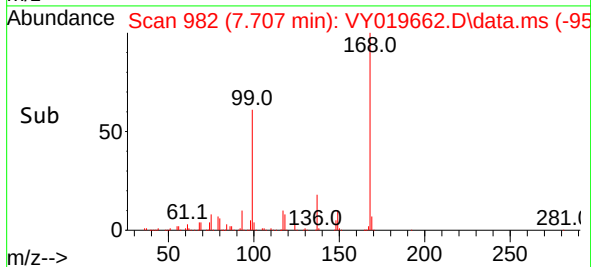
Tgt Ion:113 Resp: 190682
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 18.5 15.9 23.9

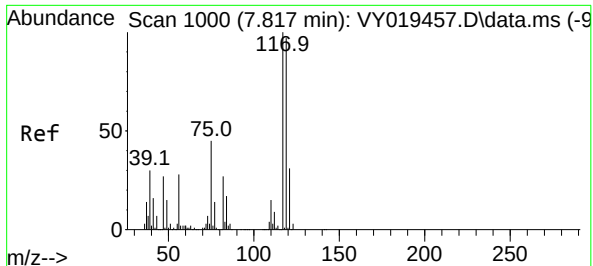


#36
1,1-Dichloropropene
Concen: 6.075 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019662.D
Acq: 23 Sep 2024 12:54



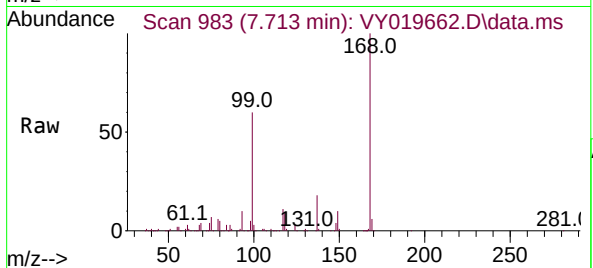
Tgt Ion: 75 Resp: 29748
Ion Ratio Lower Upper
75 100
110 9.8 19.0 57.0#
77 0.0 25.3 37.9#



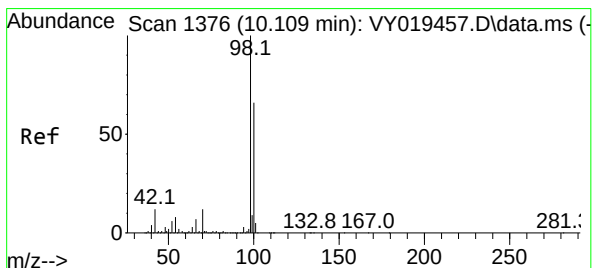
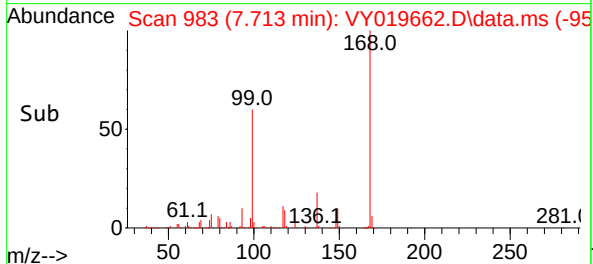
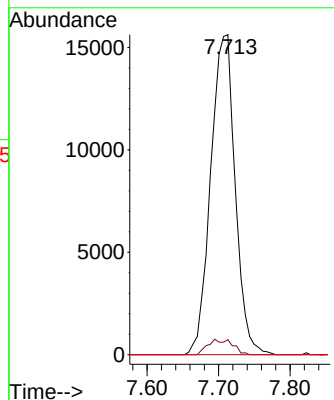


#38
Carbon Tetrachloride
Concen: 6.739 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY019662.D
Acq: 23 Sep 2024 12:54

Instrument :
MSVOA_Y
ClientSampleId :

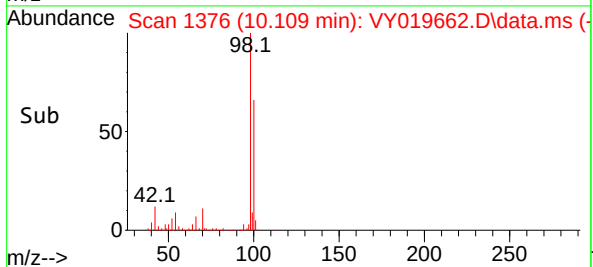
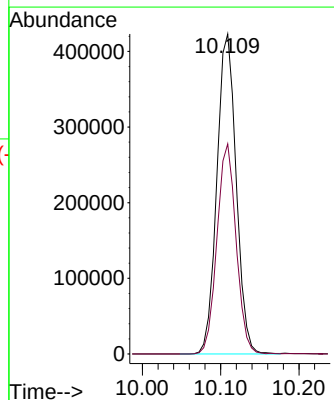
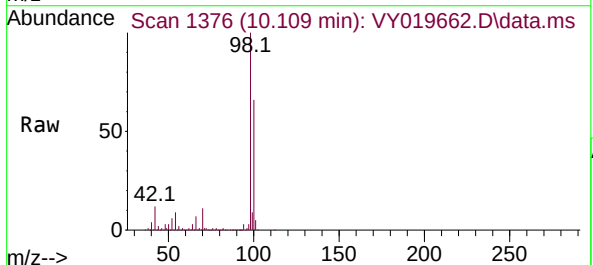


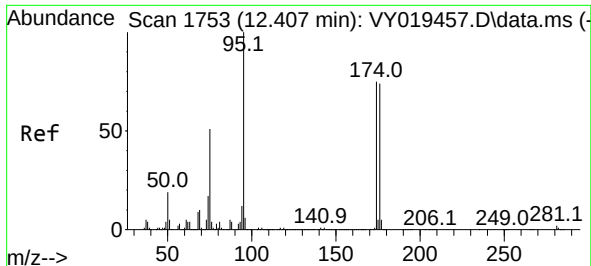
Tgt Ion:117 Resp: 37215
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 54.477 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY019662.D
Acq: 23 Sep 2024 12:54

Tgt Ion: 98 Resp: 725156
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0

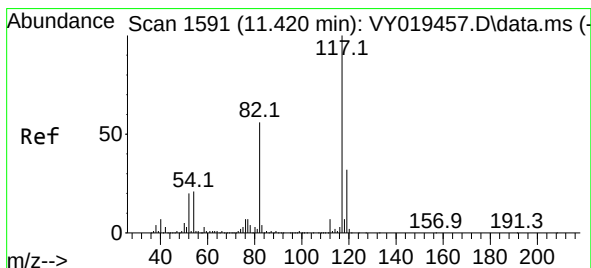
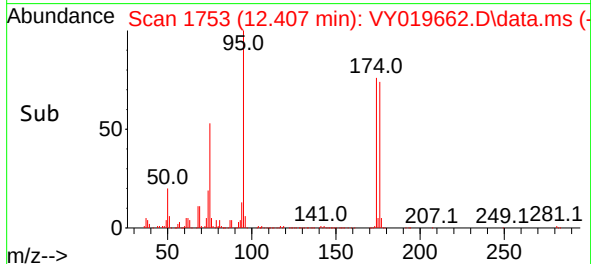
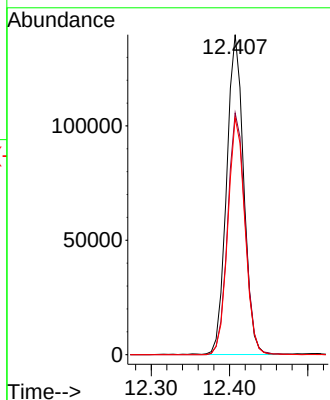
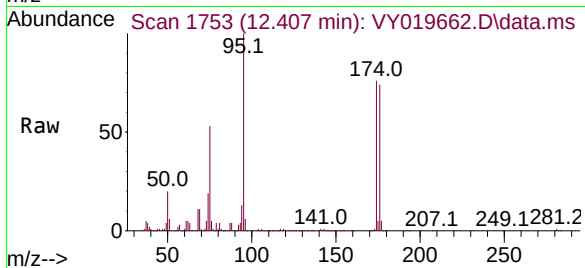




#62
4-Bromofluorobenzene
Concen: 41.466 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY019662.D
Acq: 23 Sep 2024 12:54

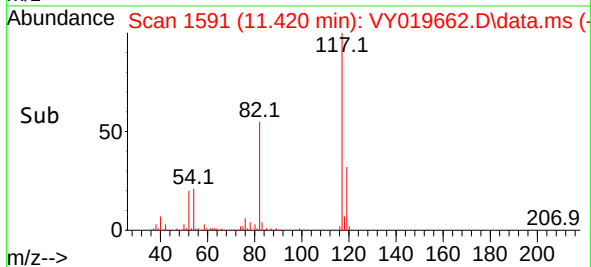
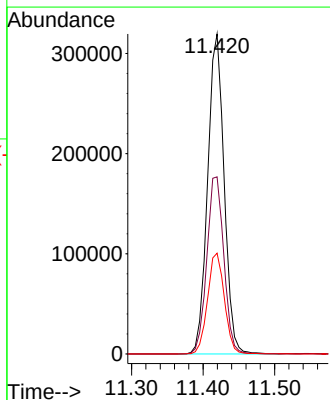
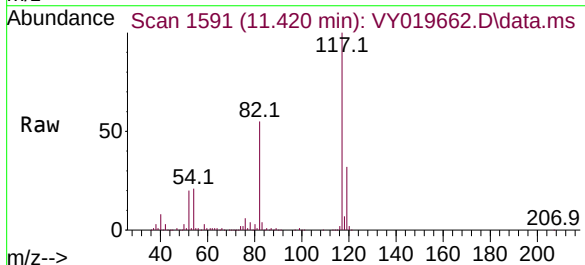
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MSVOA_Y
ClientSampleId :

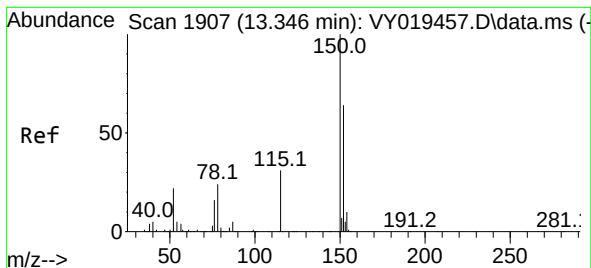
Tgt Ion: 95 Resp: 212235
Ion Ratio Lower Upper
95 100
174 77.1 0.0 175.6
176 73.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY019662.D
Acq: 23 Sep 2024 12:54

Tgt Ion: 117 Resp: 512047
Ion Ratio Lower Upper
117 100
82 55.3 42.4 63.6
119 31.5 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY019662.D

Acq: 23 Sep 2024 12:54

Instrument :

MSVOA_Y

ClientSampleId :

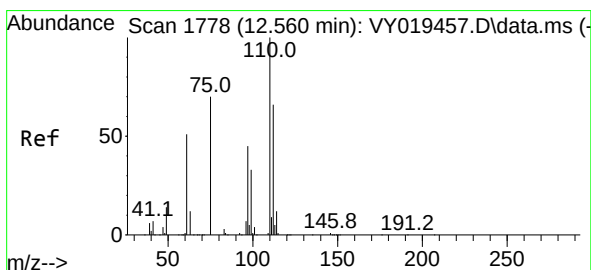
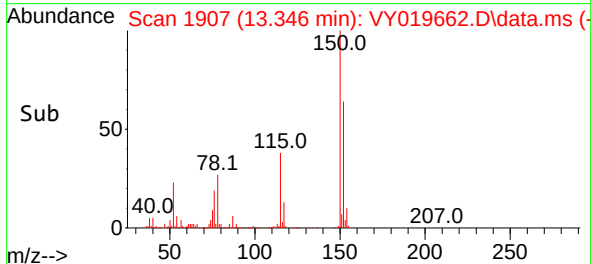
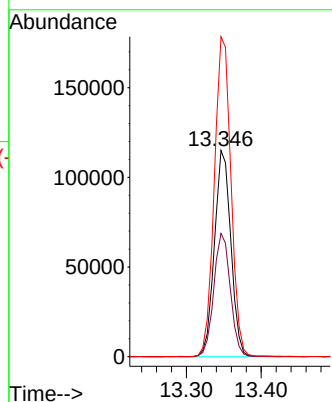
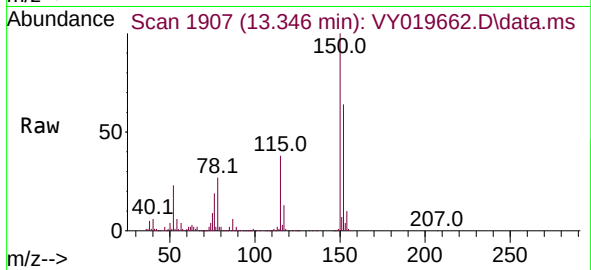
Tgt Ion:152 Resp: 176038

Ion Ratio Lower Upper

152 100

115 60.1 28.2 84.7

150 157.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 68.615 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019662.D

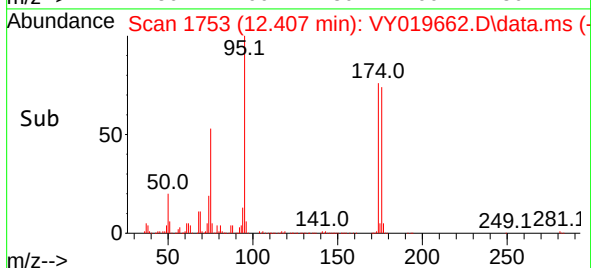
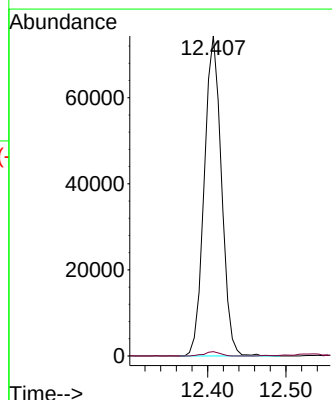
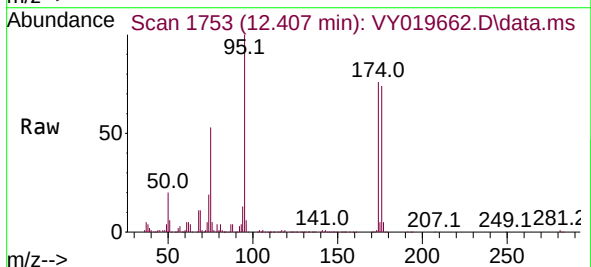
Acq: 23 Sep 2024 12:54

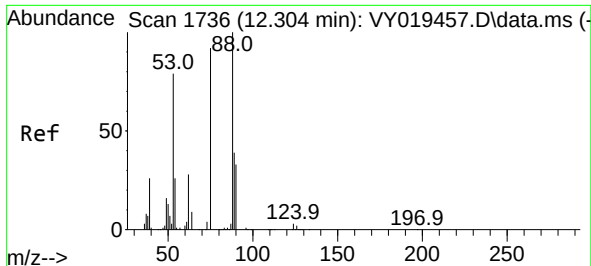
Tgt Ion: 75 Resp: 113214

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

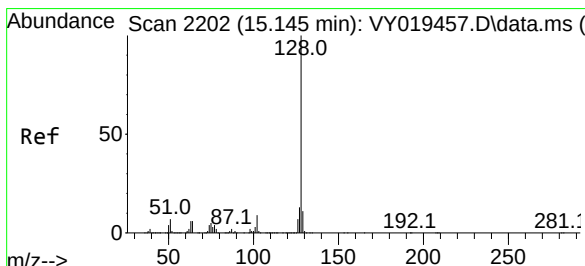
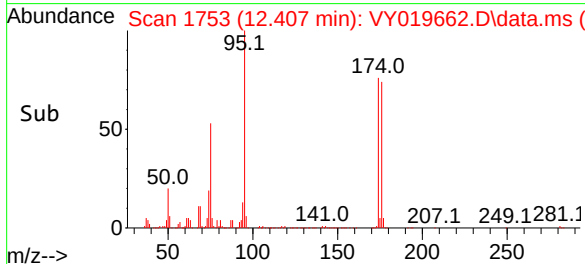
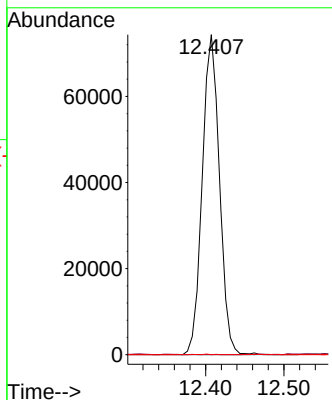
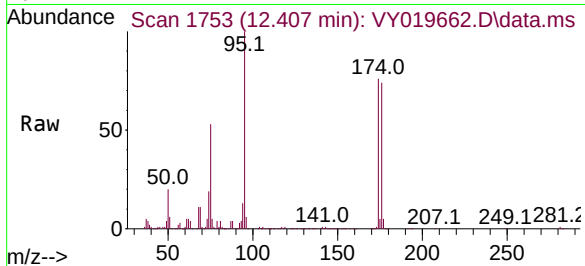




#81
trans-1,4-Dichloro-2-butene
Concen: 131.721 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019662.D
Acq: 23 Sep 2024 12:54

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 113214
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#95
Naphthalene
Concen: 1.366 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY019662.D
Acq: 23 Sep 2024 12:54

Tgt Ion: 128 Resp: 8174
Ion Ratio Lower Upper
128 100
127 14.7 10.6 16.0
129 17.6 8.6 13.0#

