

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091724\
 Data File : VY019582.D
 Acq On : 17 Sep 2024 13:51
 Operator : SY/MD
 Sample : P4015-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 18 01:32:24 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)

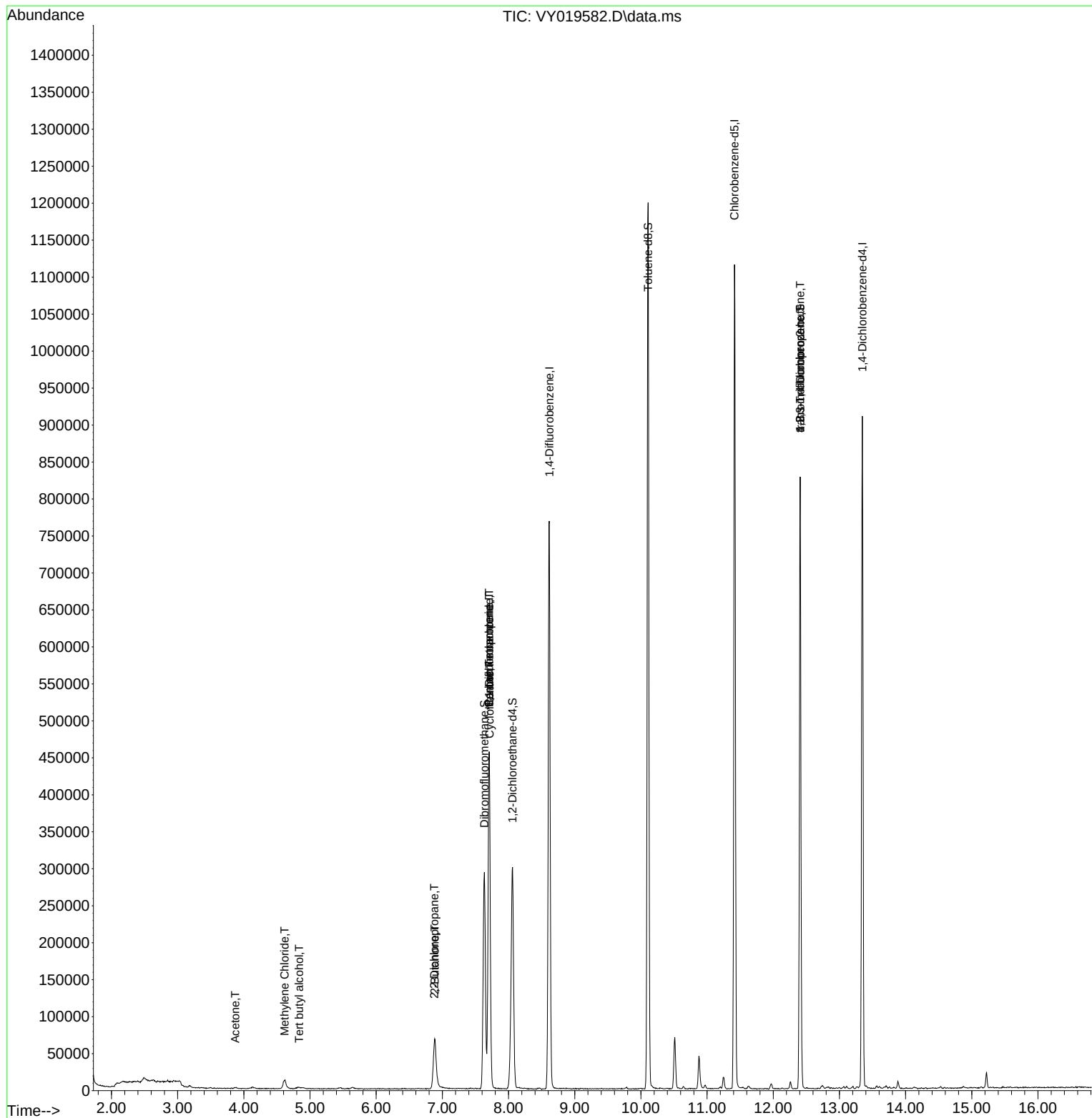
Internal Standards						
1) Pentafluorobenzene	7.707	168	336533	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	661626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	590876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	219298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	211956	68.017	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.040%	
35) Dibromofluoromethane	7.634	113	209416	55.825	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.640%	
50) Toluene-d8	10.109	98	788887	56.856	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.720%	
62) 4-Bromofluorobenzene	12.408	95	253124	47.445	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 94.880%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	207	Below Cal	#	43
11) Tert butyl alcohol	4.836	59	2452	9.743	ug/l	98
13) Acrolein	3.635	56	41	Below Cal	#	1
16) Acetone	3.873	43	1802	2.427	ug/l	88
20) Methylene Chloride	4.616	84	8324	2.459	ug/l	95
25) 2-Butanone	6.884	43	4578	4.336	ug/l	# 62
26) 2,2-Dichloropropane	6.878	77	5747	1.033	ug/l	# 51
31) Cyclohexane	7.713	56	8189	1.468	ug/l	# 36
36) 1,1-Dichloropropene	7.707	75	28897	5.661	ug/l	# 49
38) Carbon Tetrachloride	7.707	117	37183	6.460	ug/l	# 16
76) 1,2,3-Trichloropropane	12.408	75	137501	66.895	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	137501	128.420	ug/l	# 16

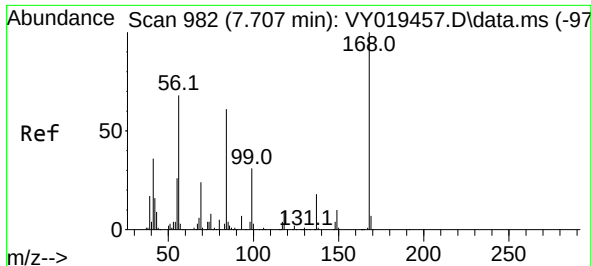
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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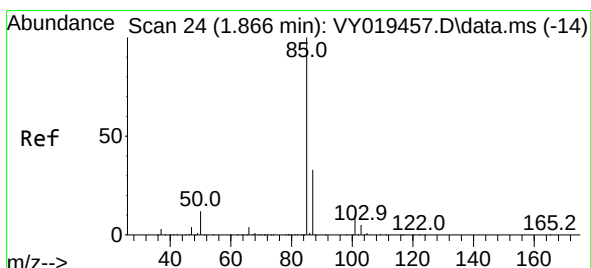
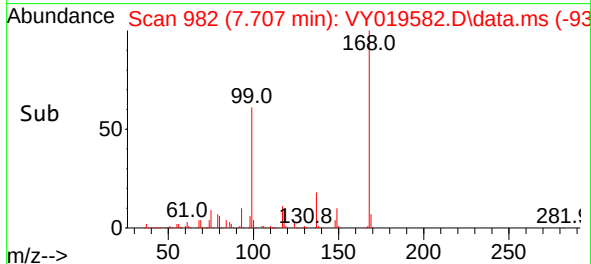
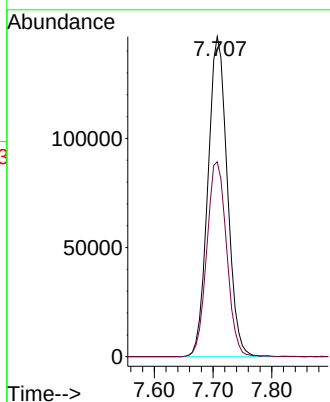
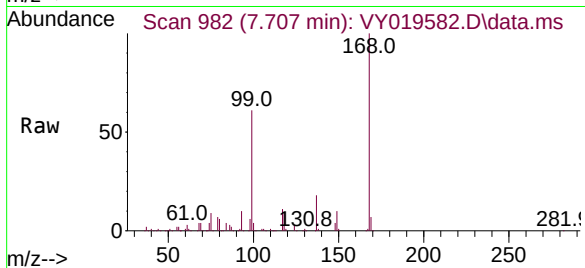




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019582.D
Acq: 17 Sep 2024 13:51

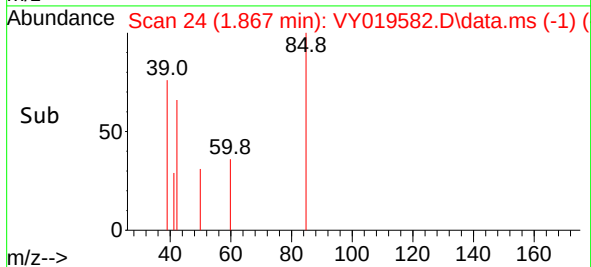
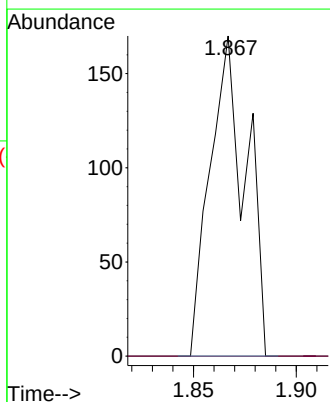
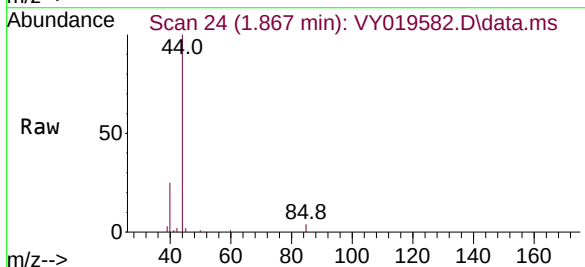
Instrument :
MSVOA_Y
ClientSampleId :

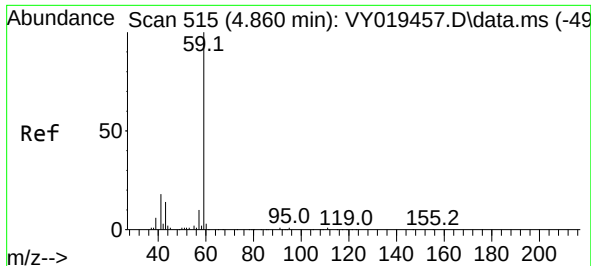
Tgt Ion:168 Resp: 336533
Ion Ratio Lower Upper
168 100
99 60.9 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019582.D
Acq: 17 Sep 2024 13:51

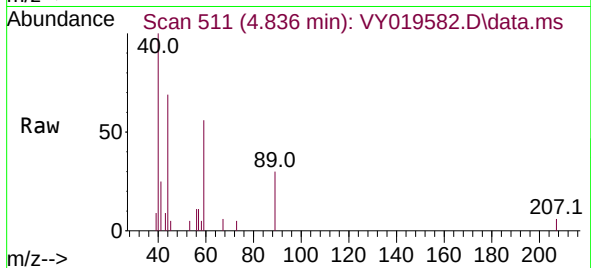
Tgt Ion: 85 Resp: 207
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#



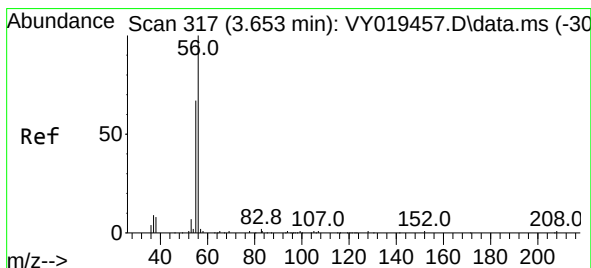
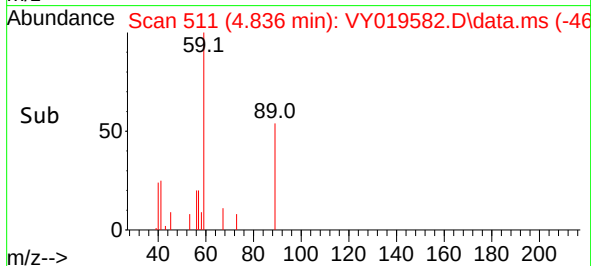
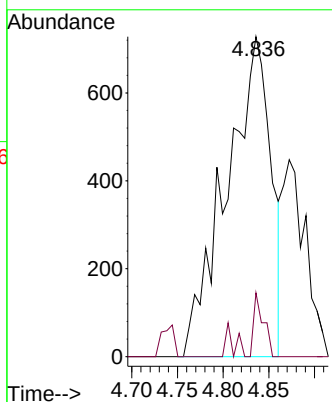


#11
Tert butyl alcohol
Concen: 9.743 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY019582.D
Acq: 17 Sep 2024 13:51

Instrument :
MSVOA_Y
ClientSampleId :

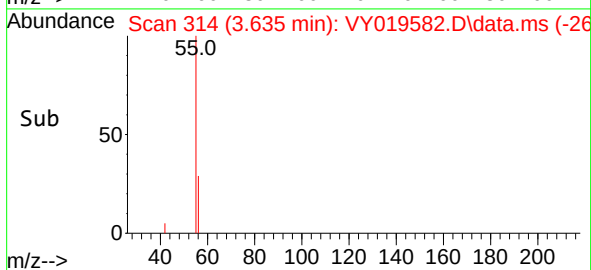
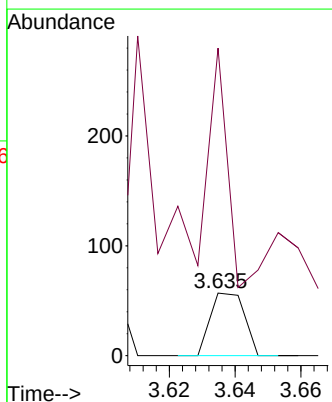
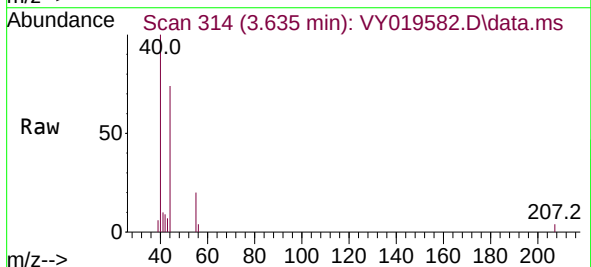


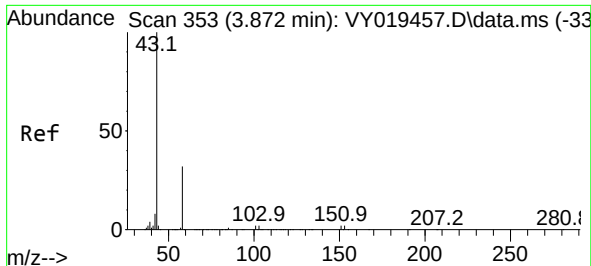
Tgt Ion: 59 Resp: 2452
Ion Ratio Lower Upper
59 100
57 4.4 3.0 4.6



#13
Acrolein
Concen: Below Cal
RT: 3.635 min Scan# 314
Delta R.T. -0.018 min
Lab File: VY019582.D
Acq: 17 Sep 2024 13:51

Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 282.9 55.7 83.5#

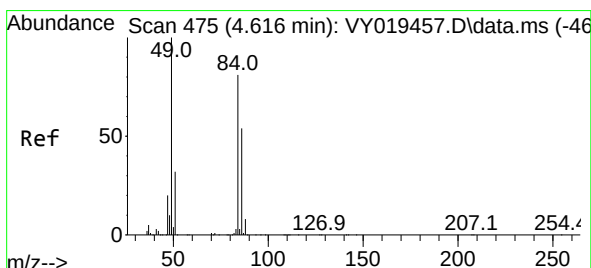
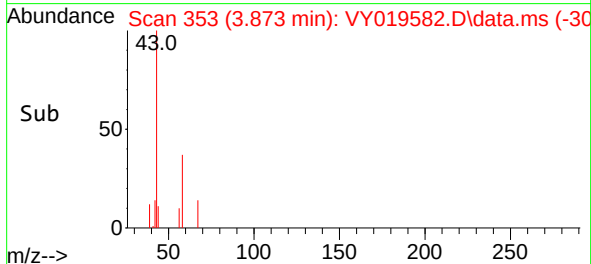
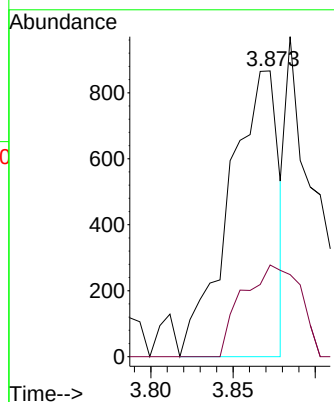
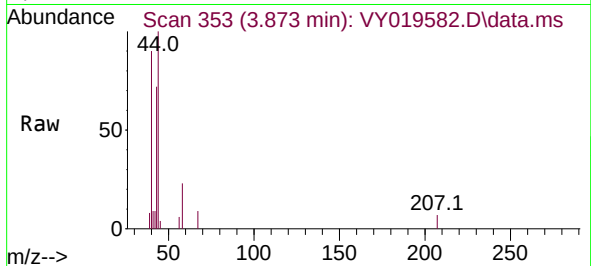




#16
Acetone
Concen: 2.427 ug/l
RT: 3.873 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY019582.D
Acq: 17 Sep 2024 13:51

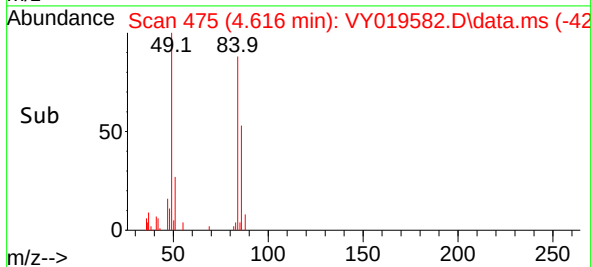
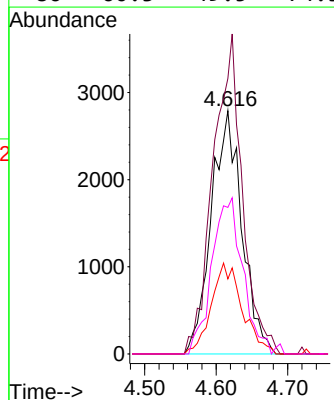
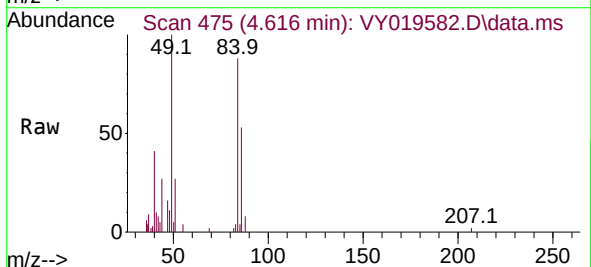
Instrument :
MSVOA_Y
ClientSampleId :

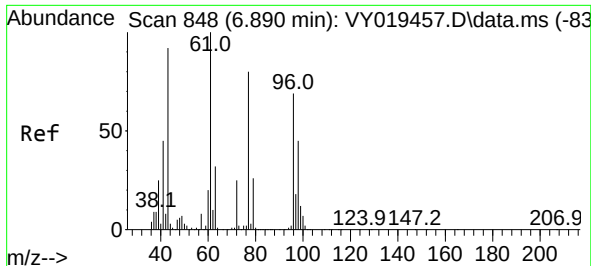
Tgt Ion: 43 Resp: 1802
Ion Ratio Lower Upper
43 100
58 32.1 31.7 47.5



#20
Methylene Chloride
Concen: 2.459 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019582.D
Acq: 17 Sep 2024 13:51

Tgt Ion: 84 Resp: 8324
Ion Ratio Lower Upper
84 100
49 113.3 84.4 126.6
51 30.9 26.0 39.0
86 60.3 49.5 74.3





#25

2-Butanone

Concen: 4.336 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

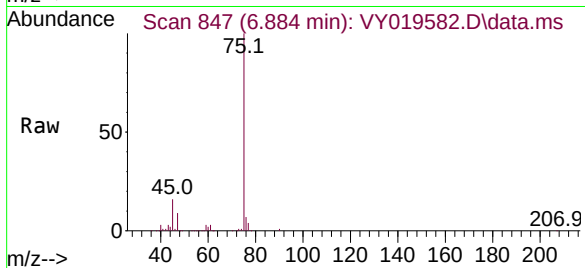
Lab File: VY019582.D

Acq: 17 Sep 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

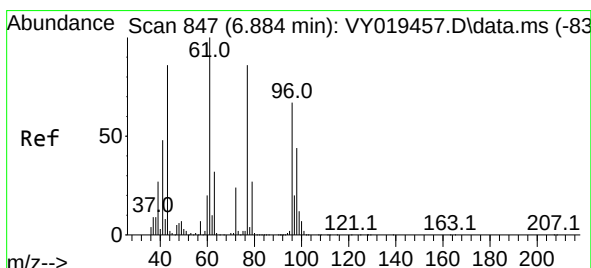
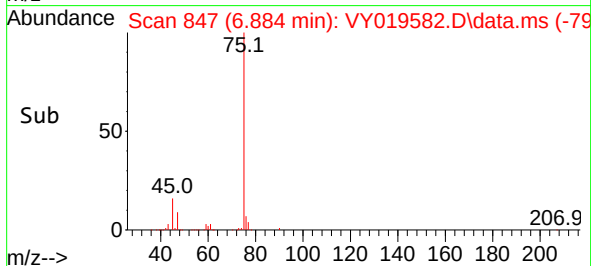
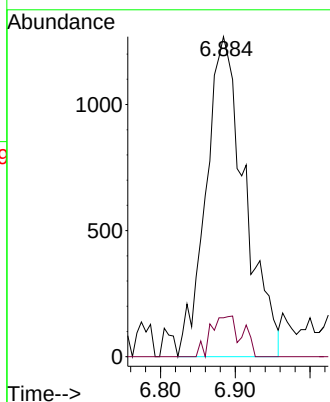


Tgt Ion: 43 Resp: 4578

Ion Ratio Lower Upper

43 100

72 12.1 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 1.033 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY019582.D

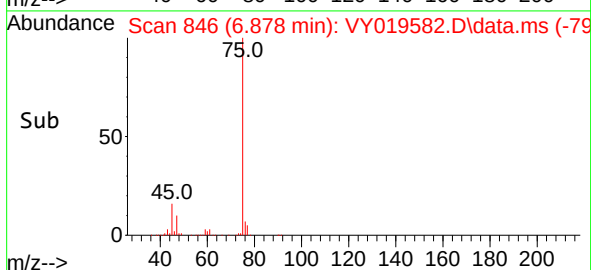
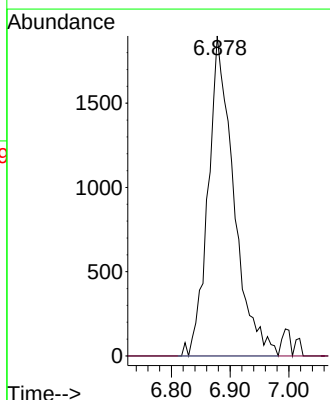
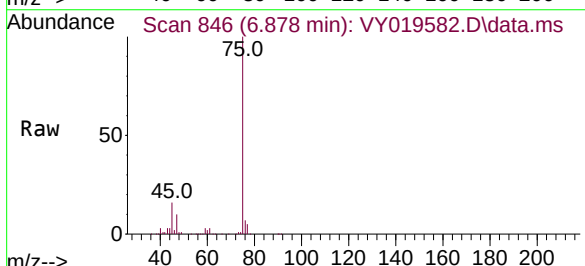
Acq: 17 Sep 2024 13:51

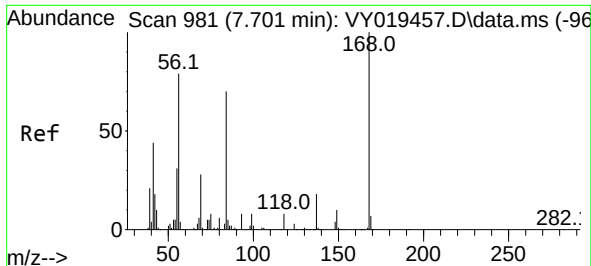
Tgt Ion: 77 Resp: 5747

Ion Ratio Lower Upper

77 100

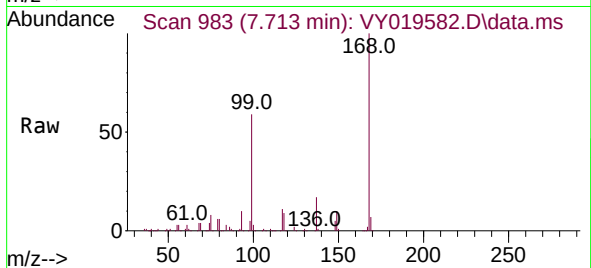
97 0.0 12.0 36.1#



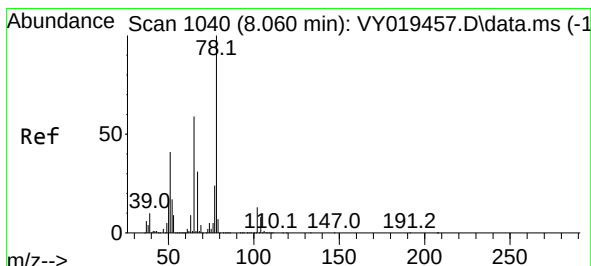
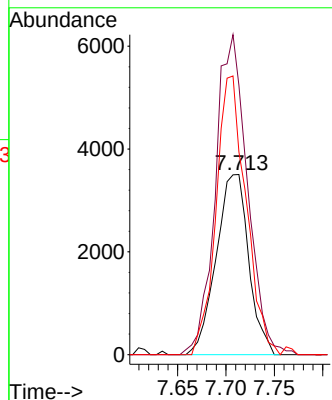
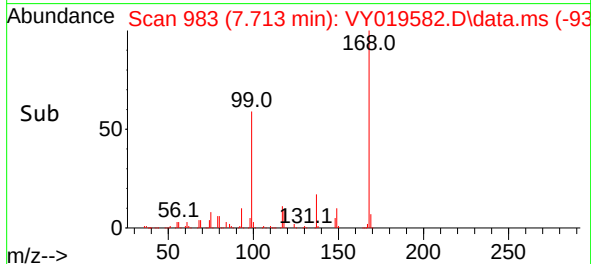


#31
Cyclohexane
Concen: 1.468 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.013 min
Lab File: VY019582.D
Acq: 17 Sep 2024 13:51

Instrument :
MSVOA_Y
ClientSampleId :

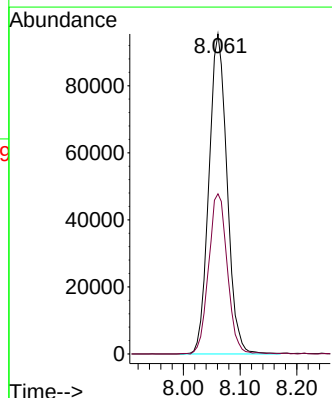
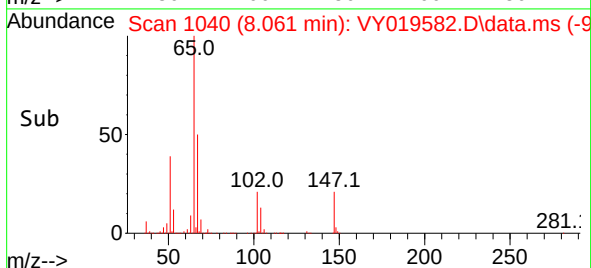
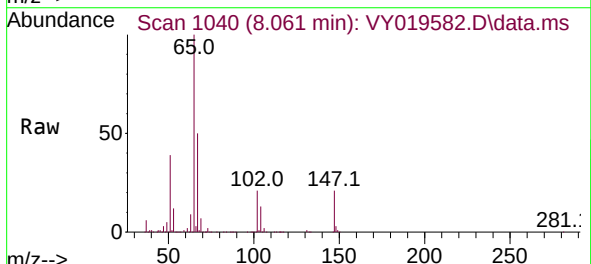


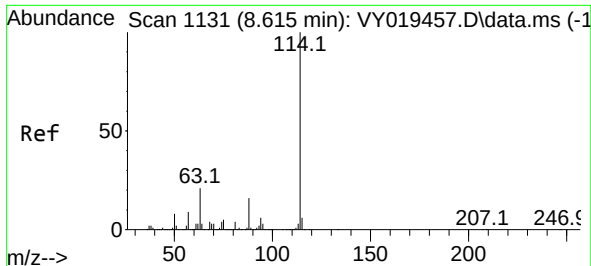
Tgt Ion: 56 Resp: 8189
Ion Ratio Lower Upper
56 100
69 149.4 28.7 43.1#
84 112.5 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 68.017 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019582.D
Acq: 17 Sep 2024 13:51

Tgt Ion: 65 Resp: 211956
Ion Ratio Lower Upper
65 100
67 51.7 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

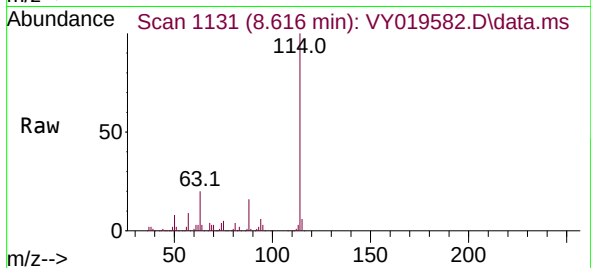
Lab File: VY019582.D

Acq: 17 Sep 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :



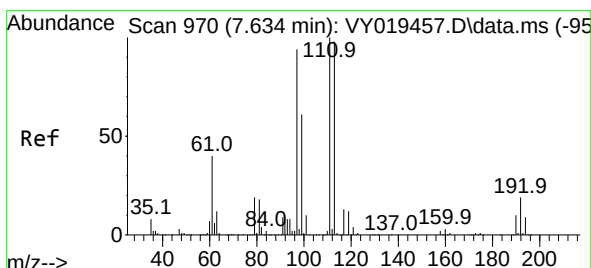
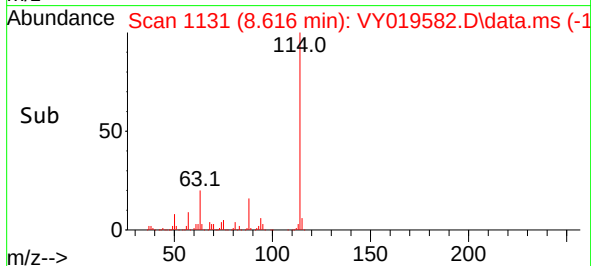
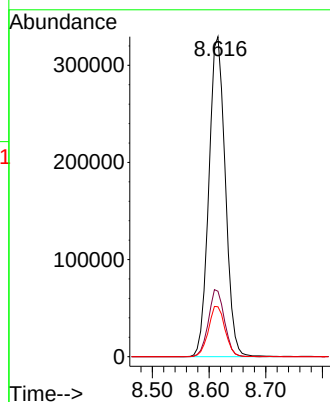
Tgt Ion:114 Resp: 661626

Ion Ratio Lower Upper

114 100

63 20.4 0.0 35.0

88 15.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 55.825 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019582.D

Acq: 17 Sep 2024 13:51

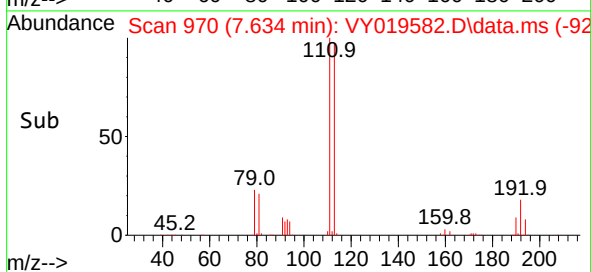
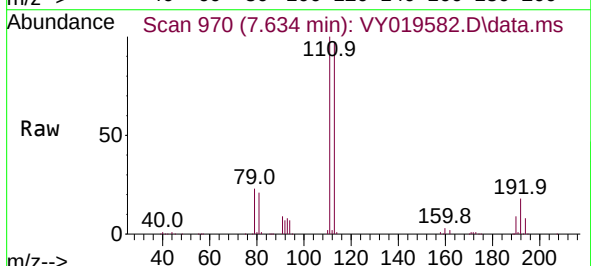
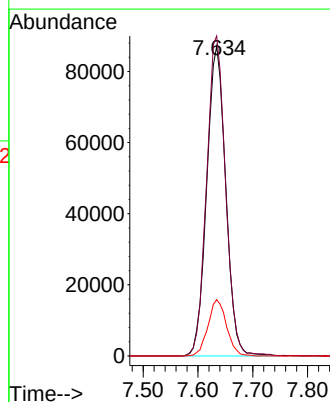
Tgt Ion:113 Resp: 209416

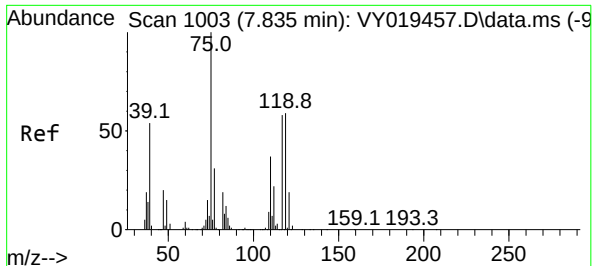
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 17.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.661 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY019582.D

Acq: 17 Sep 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

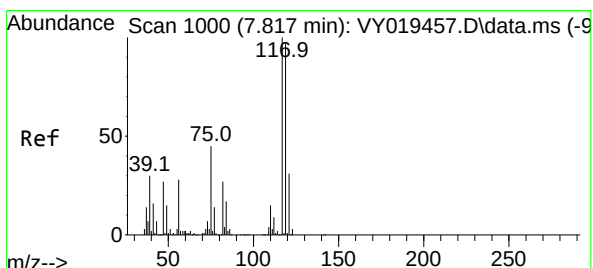
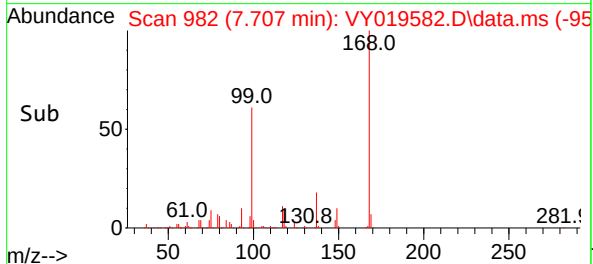
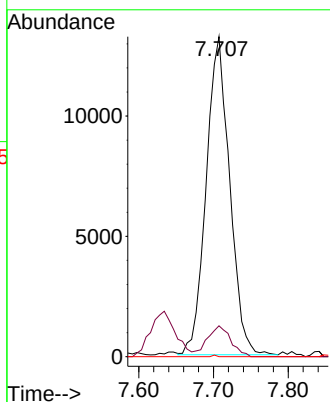
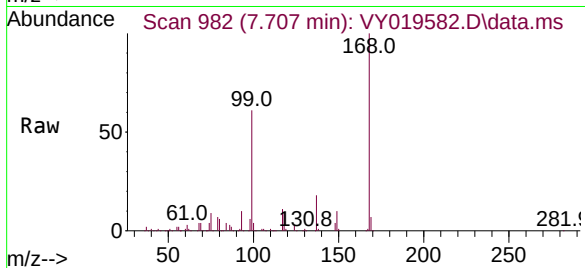
Tgt Ion: 75 Resp: 28897

Ion Ratio Lower Upper

75 100

110 9.8 19.0 57.0#

77 0.1 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.460 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.109 min

Lab File: VY019582.D

Acq: 17 Sep 2024 13:51

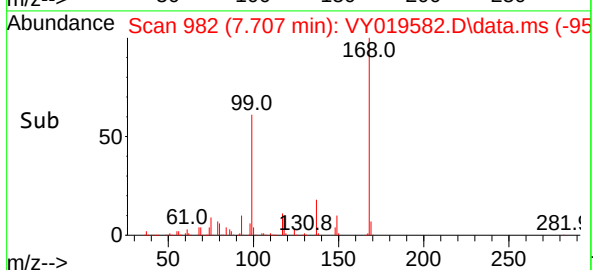
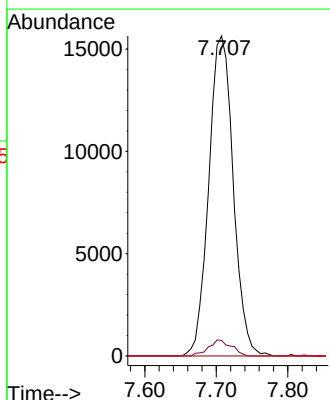
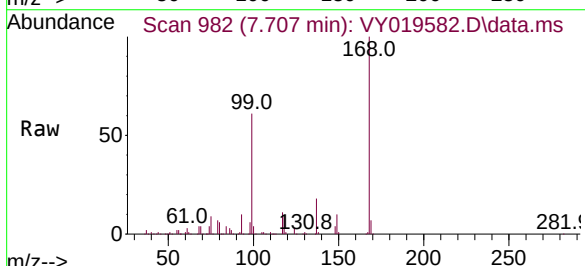
Tgt Ion: 117 Resp: 37183

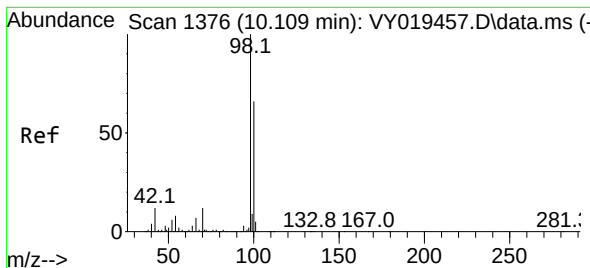
Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 56.856 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019582.D

Acq: 17 Sep 2024 13:51

Instrument :

MSVOA_Y

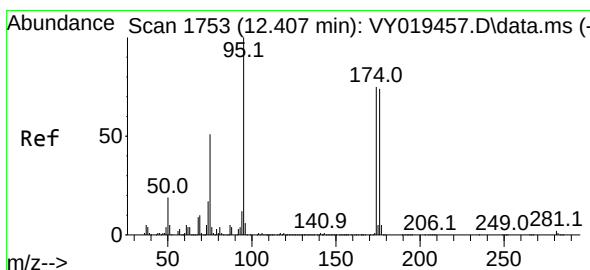
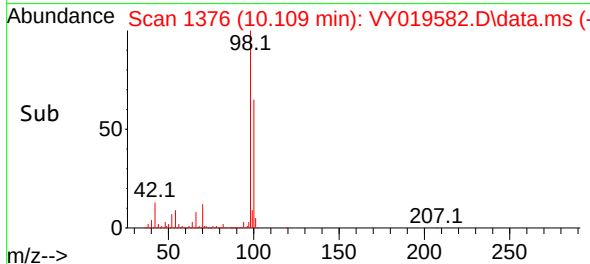
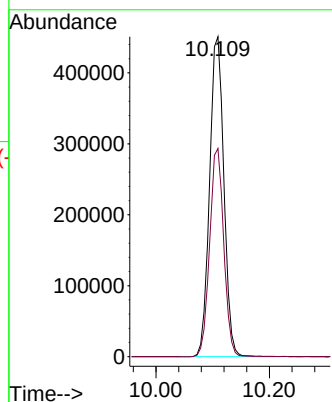
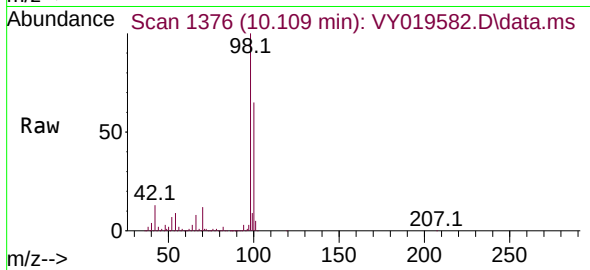
ClientSampleId :

Tgt Ion: 98 Resp: 788887

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 47.445 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY019582.D

Acq: 17 Sep 2024 13:51

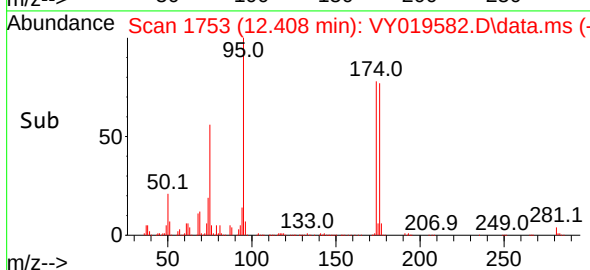
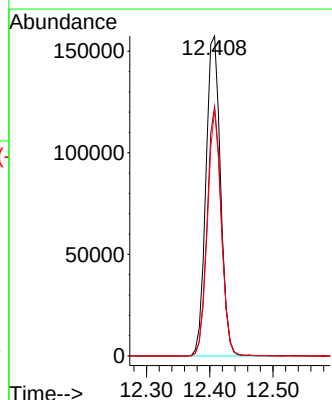
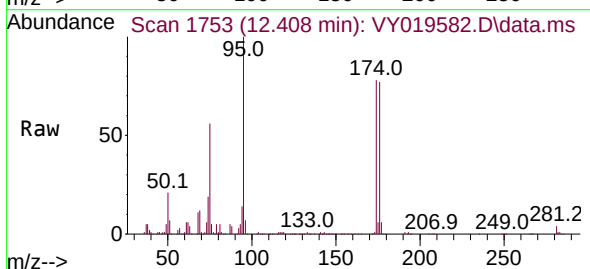
Tgt Ion: 95 Resp: 253124

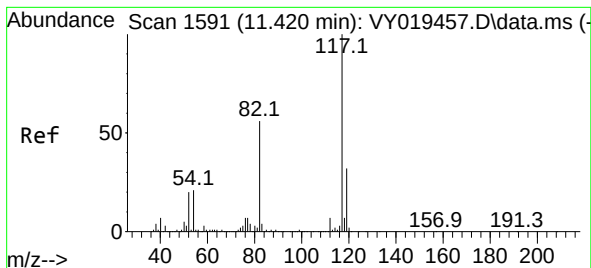
Ion Ratio Lower Upper

95 100

174 75.8 0.0 175.6

176 72.9 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

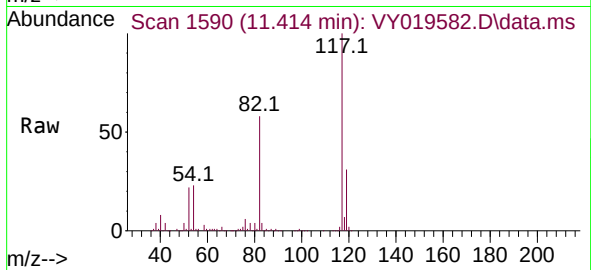
Lab File: VY019582.D

Acq: 17 Sep 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :



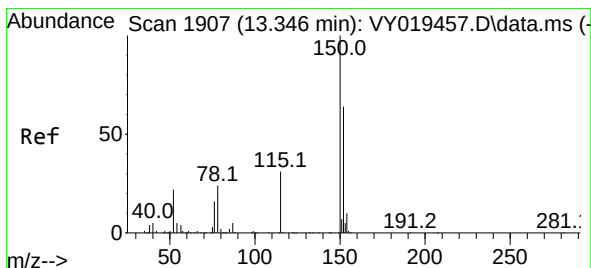
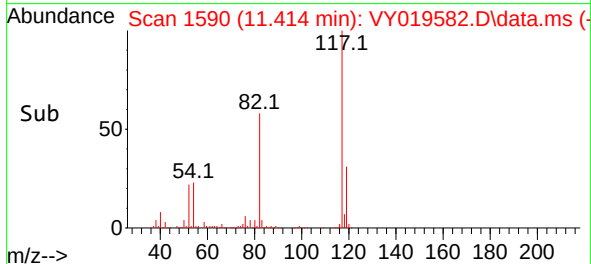
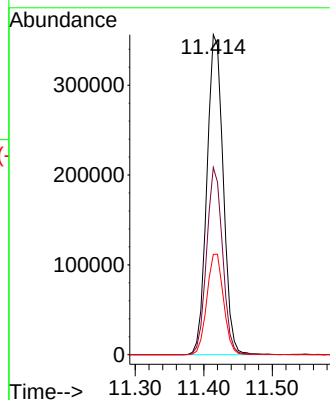
Tgt Ion:117 Resp: 590876

Ion Ratio Lower Upper

117 100

82 58.5 42.4 63.6

119 31.3 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: VY019582.D

Acq: 17 Sep 2024 13:51

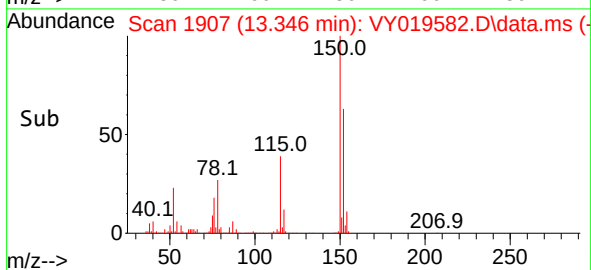
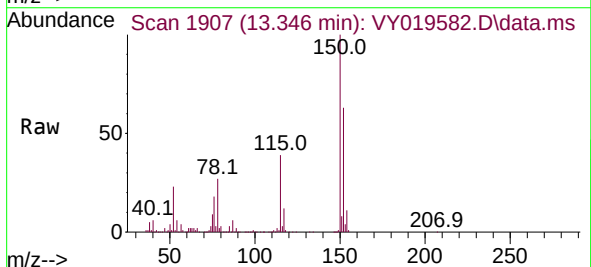
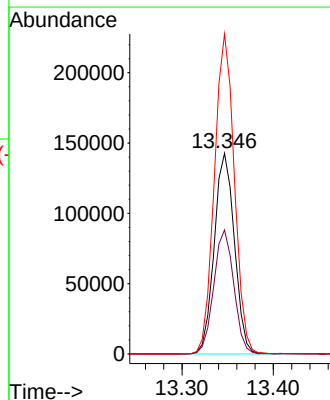
Tgt Ion:152 Resp: 219298

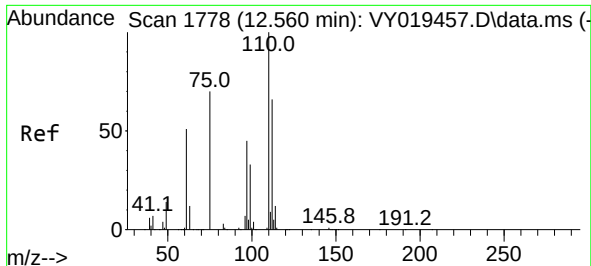
Ion Ratio Lower Upper

152 100

115 61.3 28.2 84.7

150 157.5 0.0 345.6

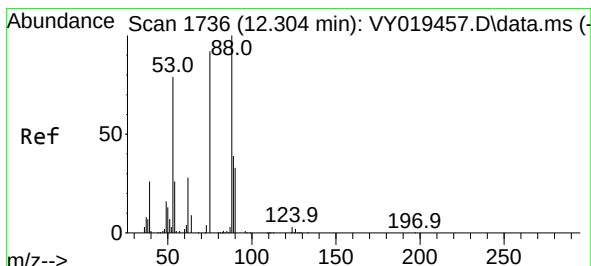
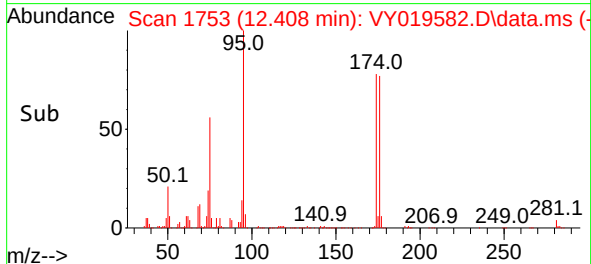
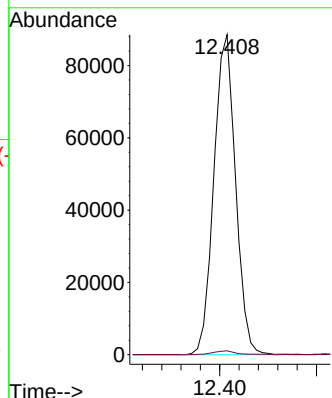
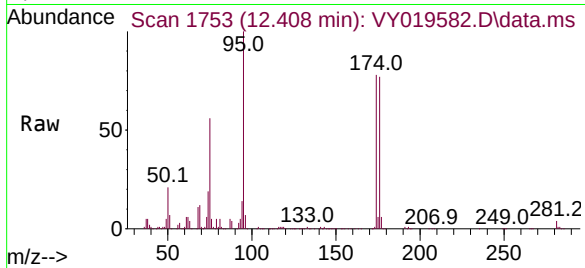




#76
1,2,3-Trichloropropane
Concen: 66.895 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019582.D
Acq: 17 Sep 2024 13:51

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 137501
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.420 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019582.D
Acq: 17 Sep 2024 13:51

Tgt Ion: 75 Resp: 137501
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#

