

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092524\
 Data File : VY019699.D
 Acq On : 25 Sep 2024 16:48
 Operator : SY/MD
 Sample : P4167-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 04:02:48 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)

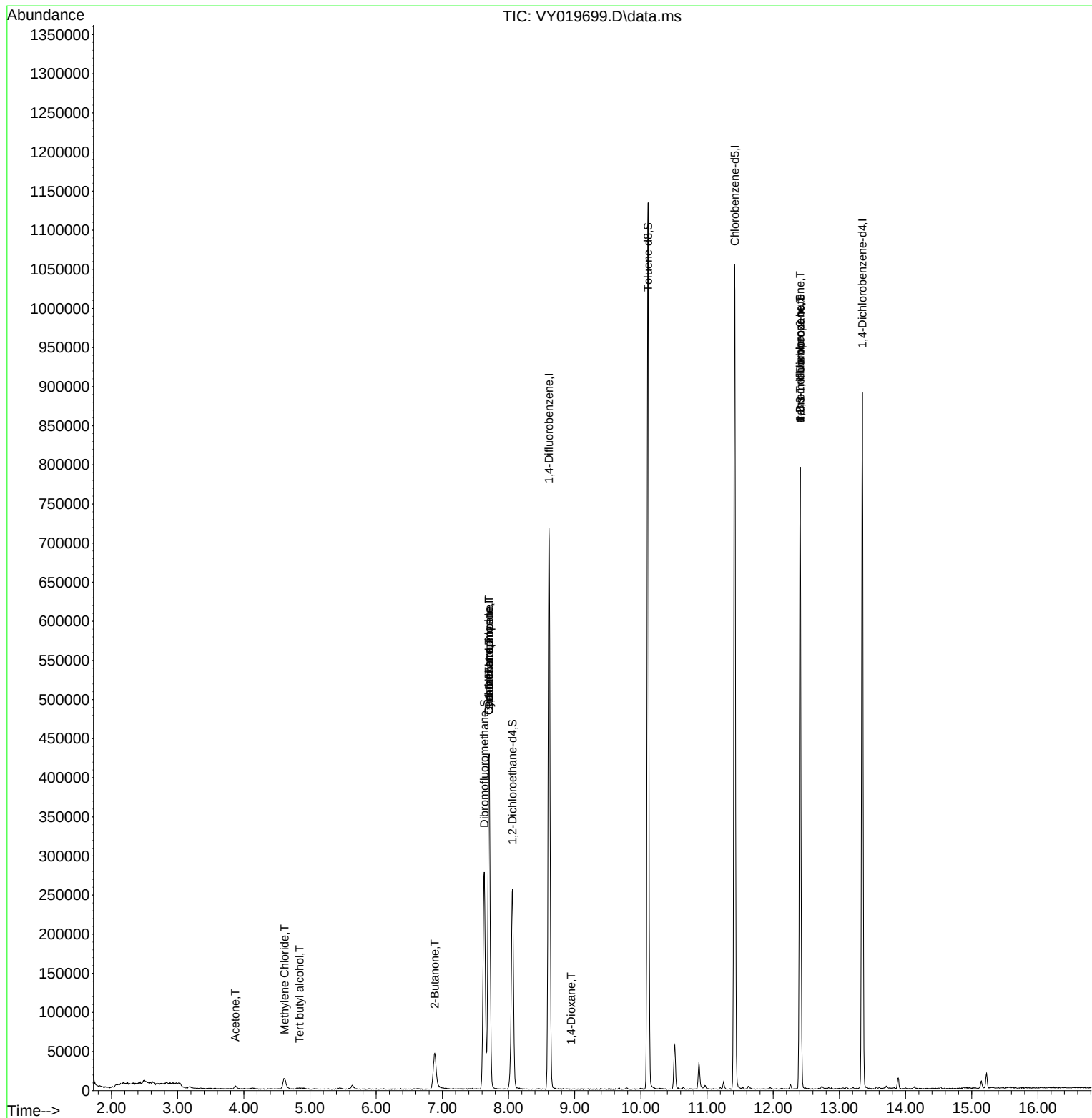
Internal Standards						
1) Pentafluorobenzene	7.707	168	326625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	621399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	558571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	216314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193865	64.099	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.200%	
35) Dibromofluoromethane	7.634	113	198408	56.314	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.620%	
50) Toluene-d8	10.109	98	736253	56.498	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.000%	
62) 4-Bromofluorobenzene	12.408	95	242692	48.434	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 96.860%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	100	Below Cal	#	43
11) Tert butyl alcohol	4.842	59	1776	7.271	ug/l #	98
13) Acrolein	3.672	56	191	Below Cal	#	51
16) Acetone	3.873	43	6390	8.868	ug/l	97
20) Methylene Chloride	4.616	84	9961	3.031	ug/l	97
25) 2-Butanone	6.884	43	4100	4.001	ug/l #	78
31) Cyclohexane	7.701	56	7841	1.449	ug/l #	29
36) 1,1-Dichloropropene	7.707	75	28225	5.887	ug/l #	48
38) Carbon Tetrachloride	7.701	117	34150	6.317	ug/l #	17
49) 1,4-Dioxane	8.945	88	46	1.979	ug/l #	20
76) 1,2,3-Trichloropropane	12.408	75	132760	65.480	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	132760	125.703	ug/l #	16

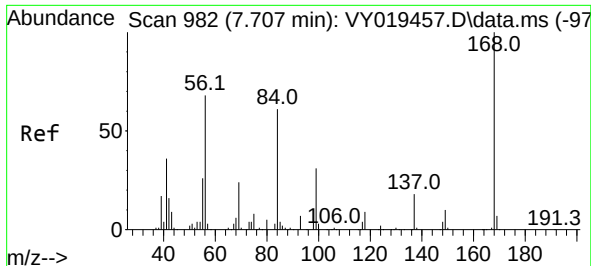
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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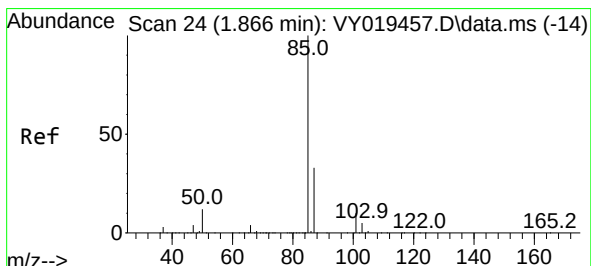
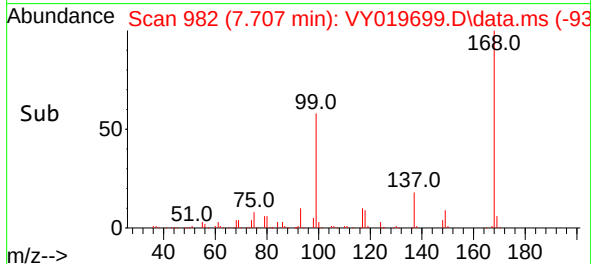
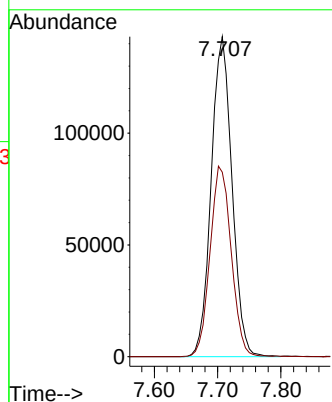
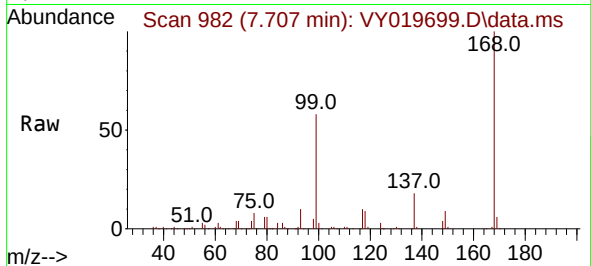




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019699.D
Acq: 25 Sep 2024 16:48

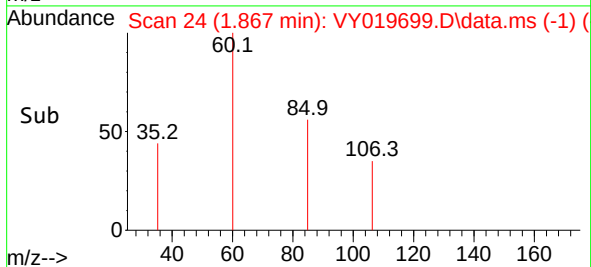
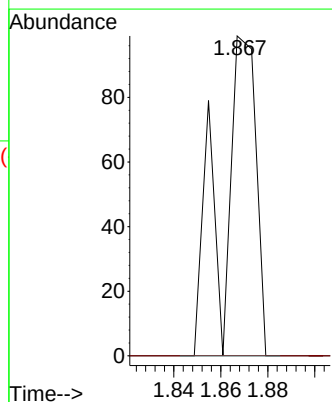
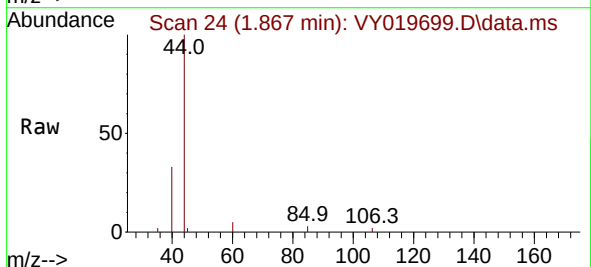
Instrument :
MSVOA_Y
ClientSampleId :

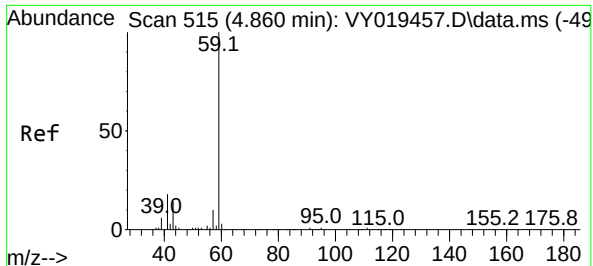
Tgt Ion:168 Resp: 326625
Ion Ratio Lower Upper
168 100
99 57.6 39.1 58.7



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019699.D
Acq: 25 Sep 2024 16:48

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





#11

Tert butyl alcohol

Concen: 7.271 ug/l

RT: 4.842 min Scan# 51

Delta R.T. -0.018 min

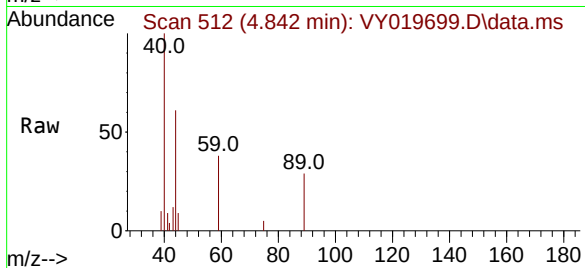
Lab File: VY019699.D

Acq: 25 Sep 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

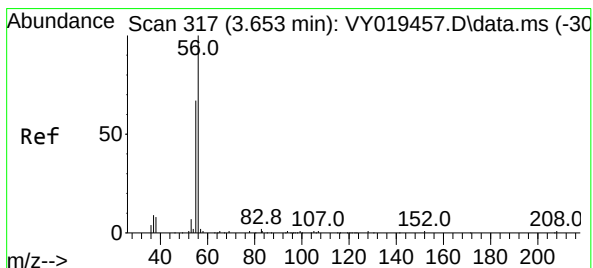
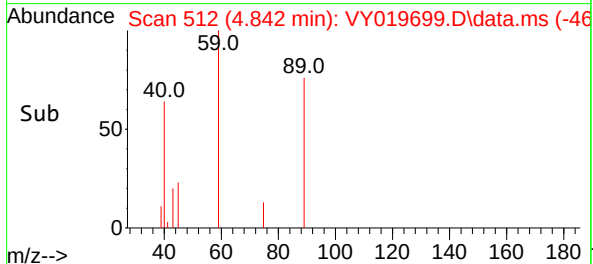
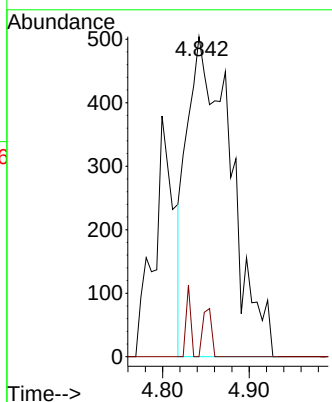


Tgt Ion: 59 Resp: 1776

Ion Ratio Lower Upper

59 100

57 3.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.672 min Scan# 320

Delta R.T. 0.019 min

Lab File: VY019699.D

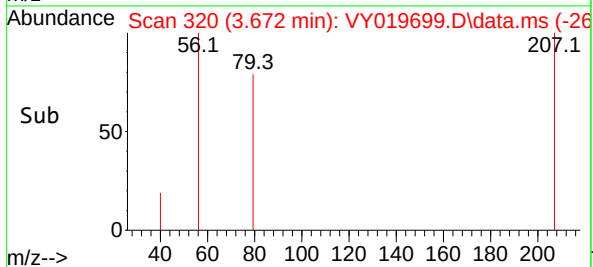
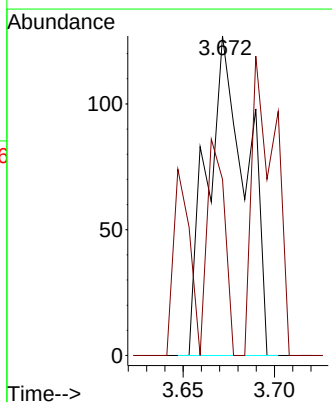
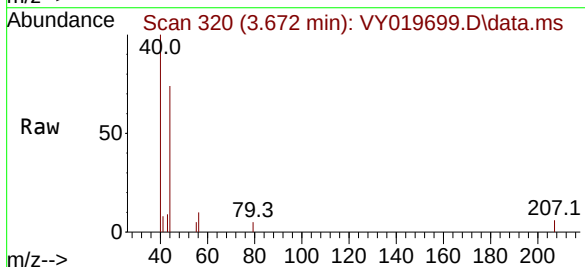
Acq: 25 Sep 2024 16:48

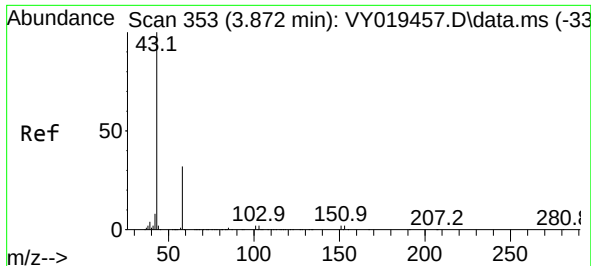
Tgt Ion: 56 Resp: 191

Ion Ratio Lower Upper

56 100

55 29.8 55.7 83.5#

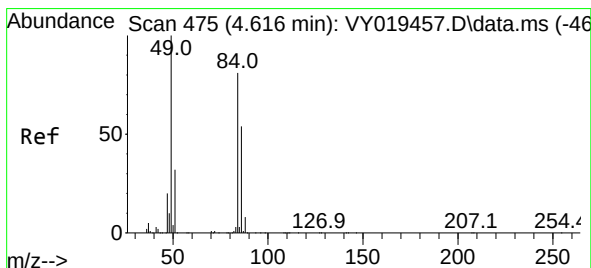
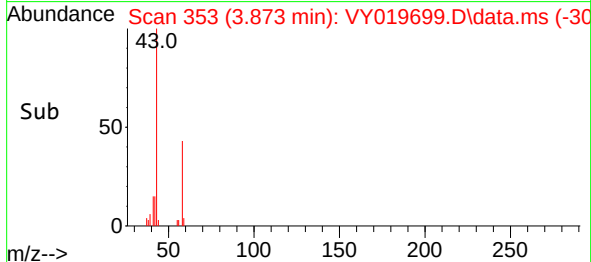
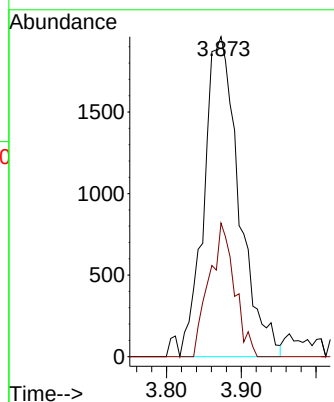
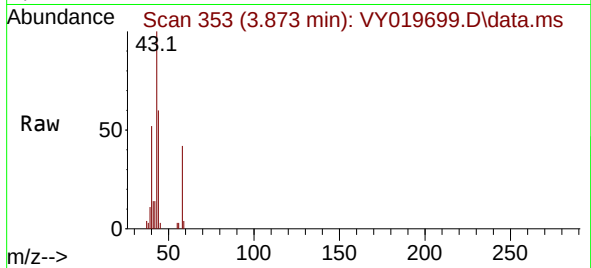




#16
Acetone
Concen: 8.868 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019699.D
Acq: 25 Sep 2024 16:48

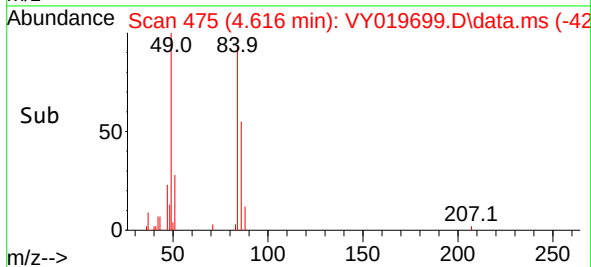
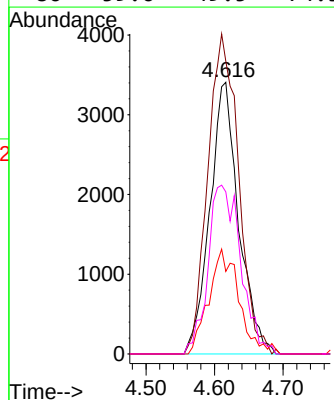
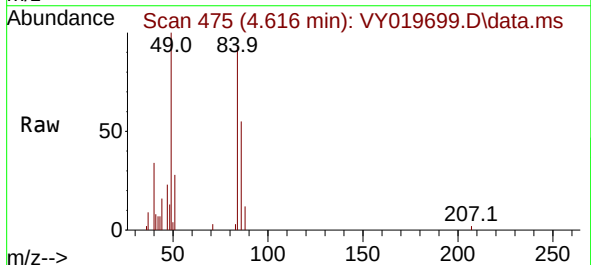
Instrument :
MSVOA_Y
ClientSampleId :

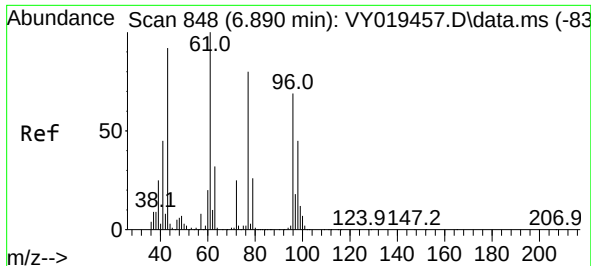
Tgt Ion: 43 Resp: 6390
Ion Ratio Lower Upper
43 100
58 41.7 31.7 47.5



#20
Methylene Chloride
Concen: 3.031 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019699.D
Acq: 25 Sep 2024 16:48

Tgt Ion: 84 Resp: 9961
Ion Ratio Lower Upper
84 100
49 107.8 84.4 126.6
51 30.4 26.0 39.0
86 59.6 49.5 74.3





#25

2-Butanone

Concen: 4.001 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.006 min

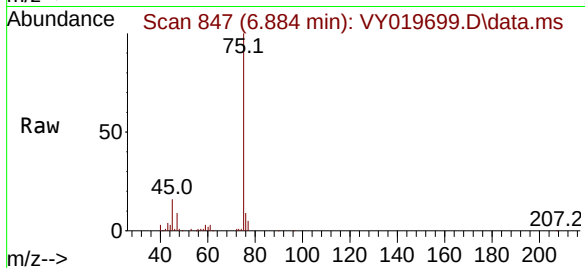
Lab File: VY019699.D

Acq: 25 Sep 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

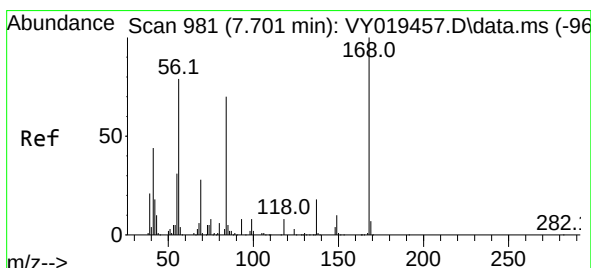
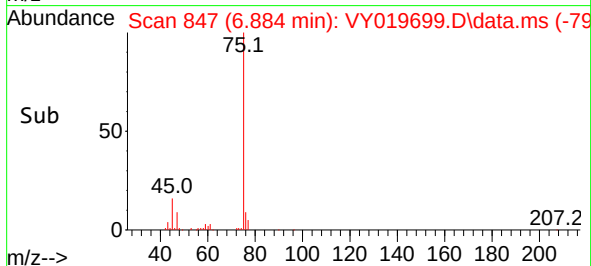
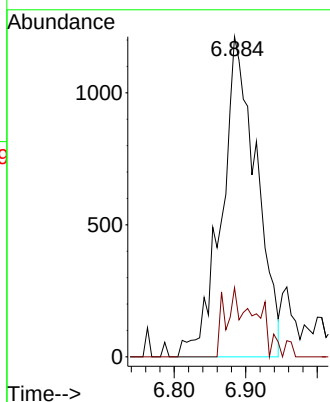


Tgt Ion: 43 Resp: 4100

Ion Ratio Lower Upper

43 100

72 21.6 27.3 40.9#



#31

Cyclohexane

Concen: 1.449 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY019699.D

Acq: 25 Sep 2024 16:48

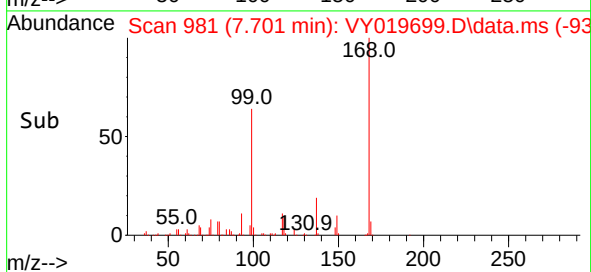
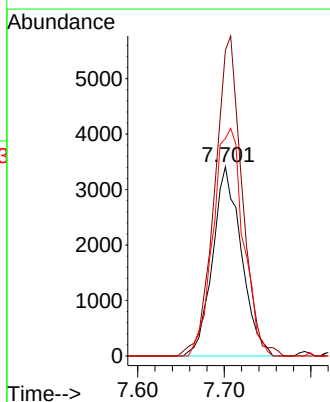
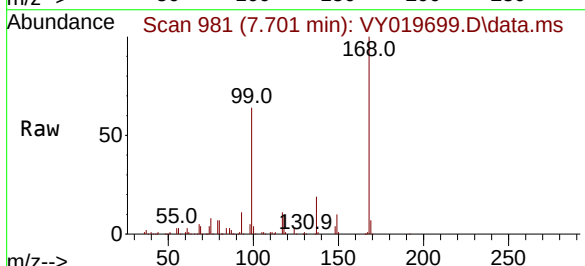
Tgt Ion: 56 Resp: 7841

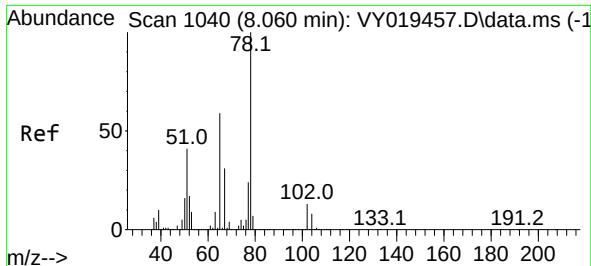
Ion Ratio Lower Upper

56 100

69 161.5 28.7 43.1#

84 114.9 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 64.099 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY019699.D

Acq: 25 Sep 2024 16:48

Instrument :

MSVOA_Y

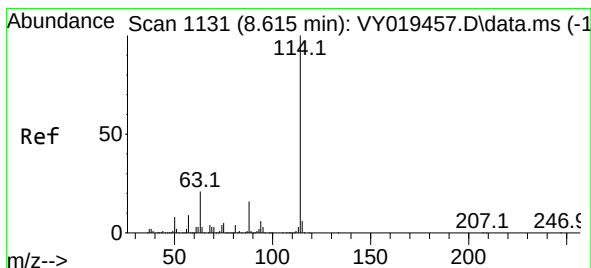
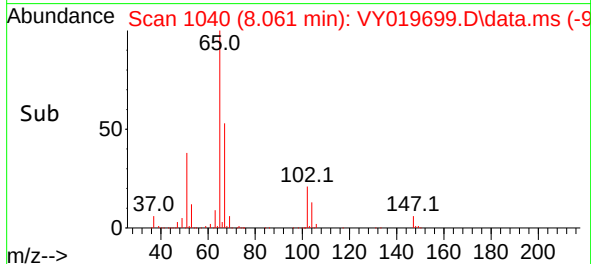
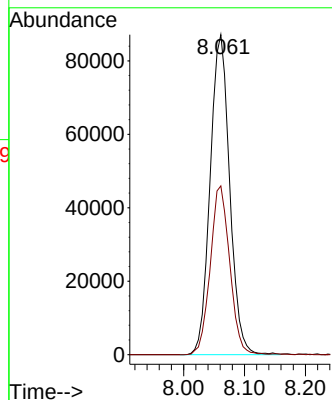
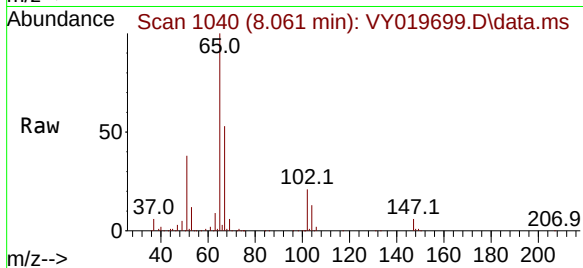
ClientSampleId :

Tgt Ion: 65 Resp: 193865

Ion Ratio Lower Upper

65 100

67 52.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019699.D

Acq: 25 Sep 2024 16:48

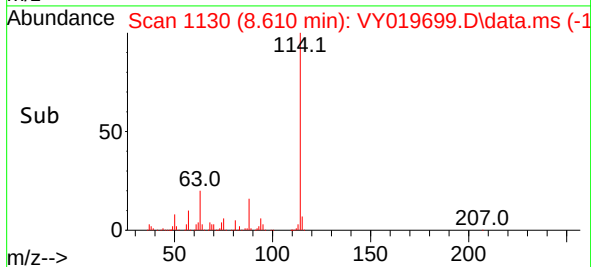
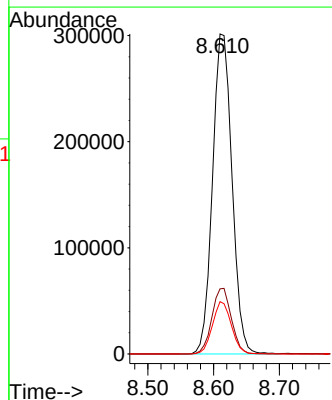
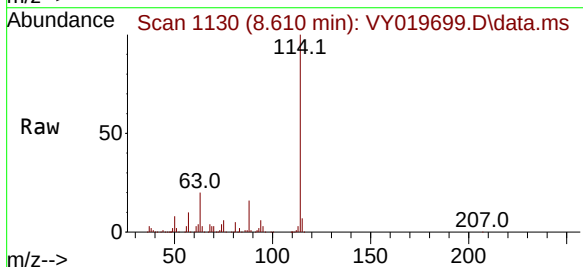
Tgt Ion: 114 Resp: 621399

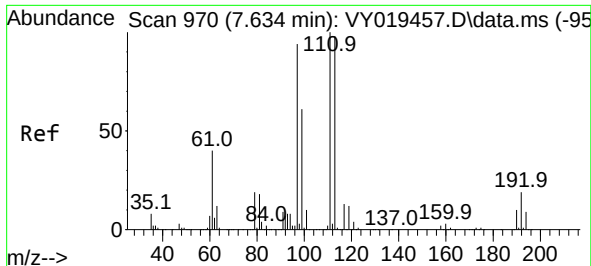
Ion Ratio Lower Upper

114 100

63 20.4 0.0 35.0

88 16.4 0.0 27.2

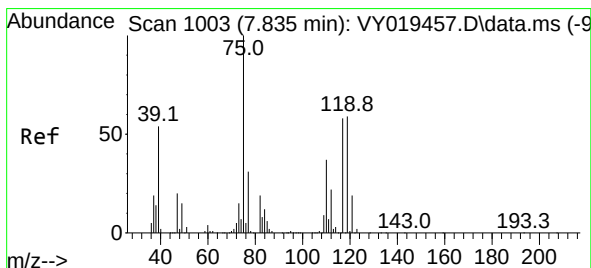
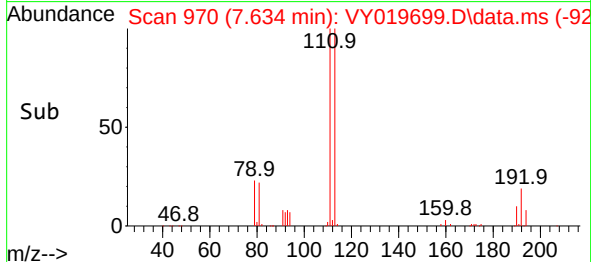
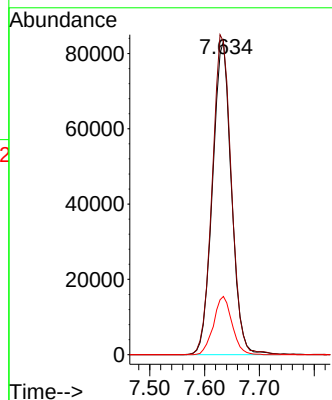
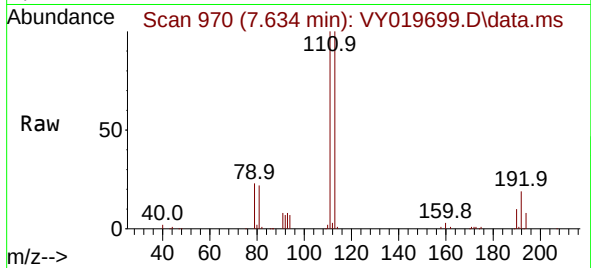




#35
 Dibromofluoromethane
 Concen: 56.314 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY019699.D
 Acq: 25 Sep 2024 16:48

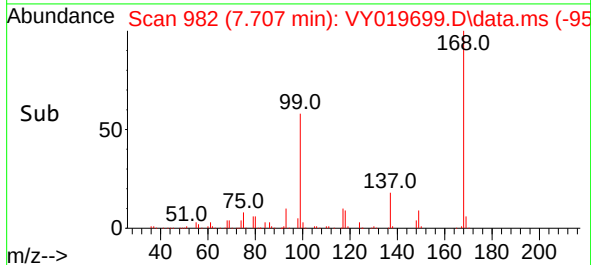
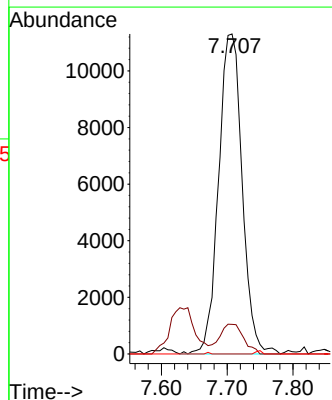
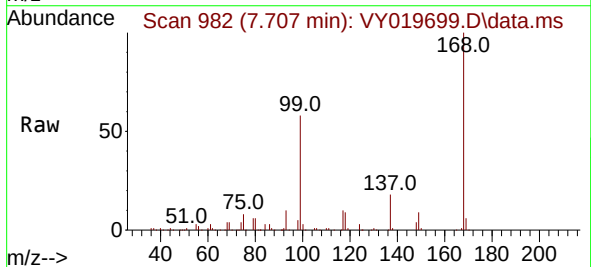
Instrument :
 MSVOA_Y
 ClientSampleId :

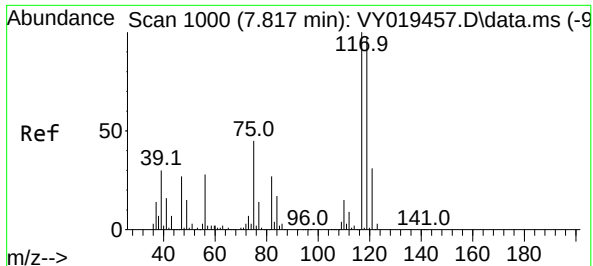
Tgt Ion:113 Resp: 198408
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.2 123.4
 192 18.2 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 5.887 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY019699.D
 Acq: 25 Sep 2024 16:48

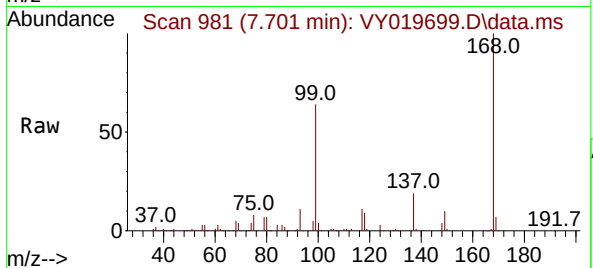
Tgt Ion: 75 Resp: 28225
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.0 57.0#
 77 0.0 25.3 37.9#



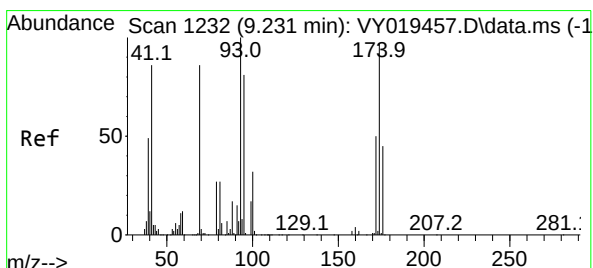
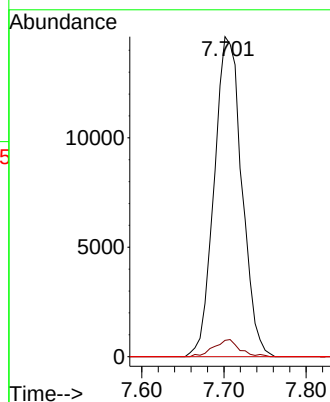
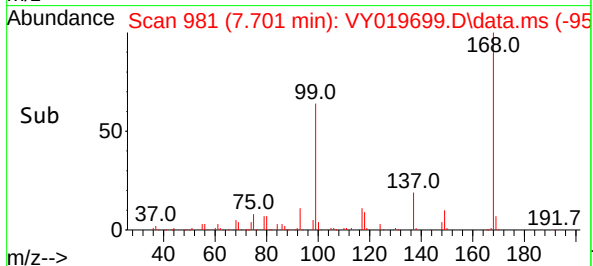


#38
Carbon Tetrachloride
Concen: 6.317 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY019699.D
Acq: 25 Sep 2024 16:48

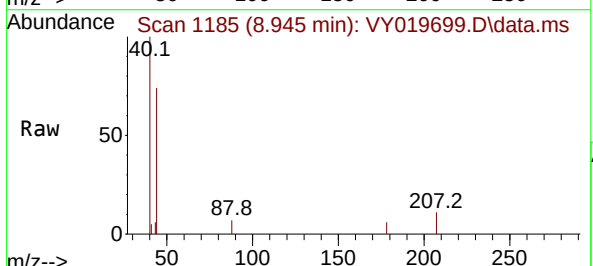
Instrument :
MSVOA_Y
ClientSampleId :



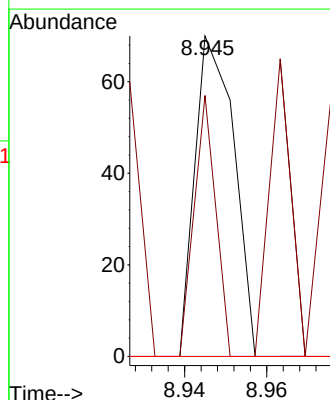
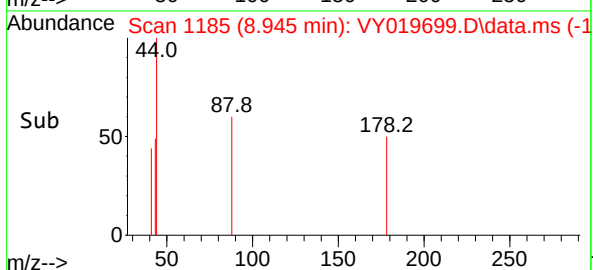
Tgt Ion:117 Resp: 34150
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.0 36.0#

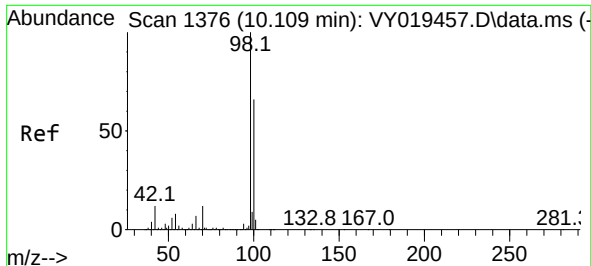


#49
1,4-Dioxane
Concen: 1.979 ug/l
RT: 8.945 min Scan# 1185
Delta R.T. -0.286 min
Lab File: VY019699.D
Acq: 25 Sep 2024 16:48



Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 45.7 0.0 0.0#
58 0.0 49.3 73.9#

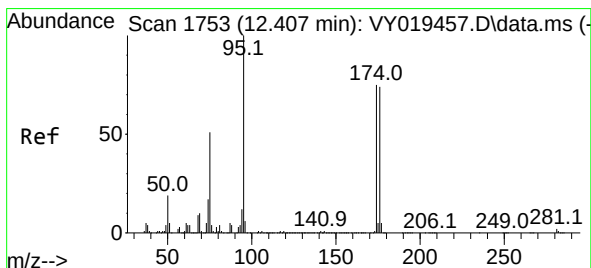
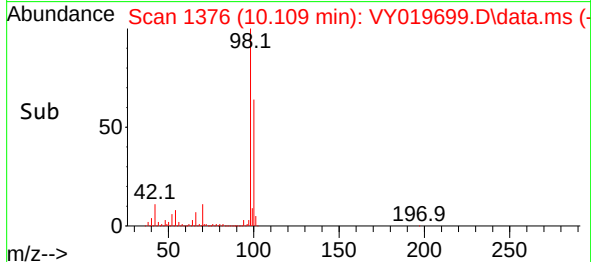
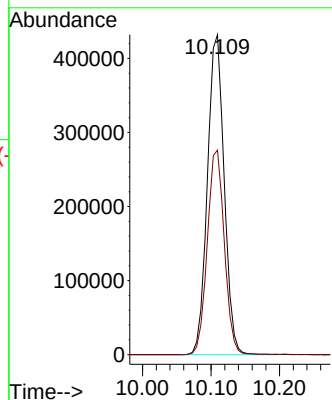
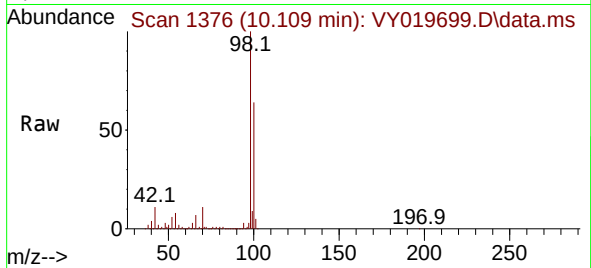




#50
Toluene-d8
Concen: 56.498 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019699.D
Acq: 25 Sep 2024 16:48

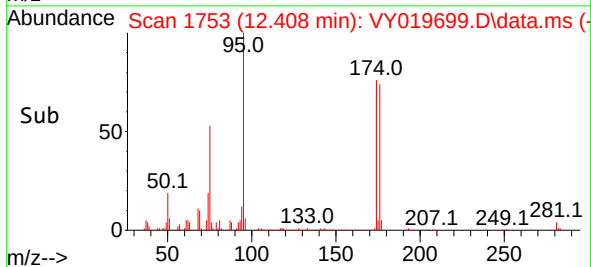
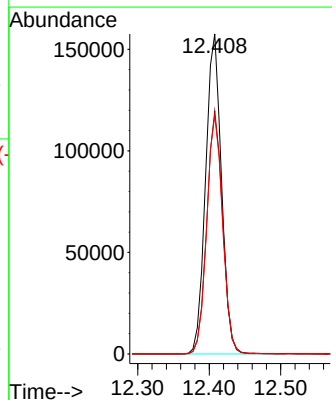
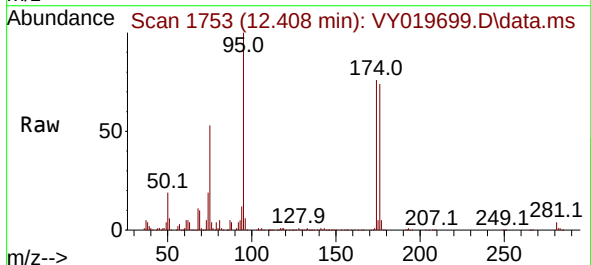
Instrument :
MSVOA_Y
ClientSampleId :

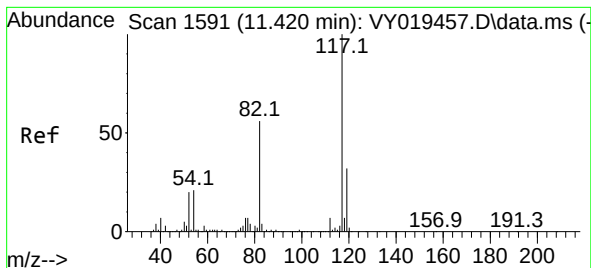
Tgt Ion: 98 Resp: 736253
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 48.434 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019699.D
Acq: 25 Sep 2024 16:48

Tgt Ion: 95 Resp: 242692
Ion Ratio Lower Upper
95 100
174 75.9 0.0 175.6
176 74.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019699.D

Acq: 25 Sep 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

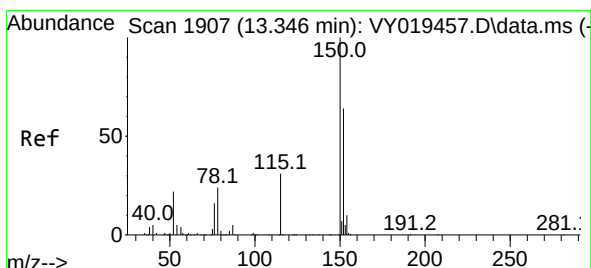
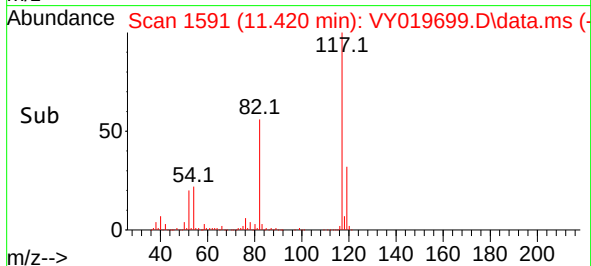
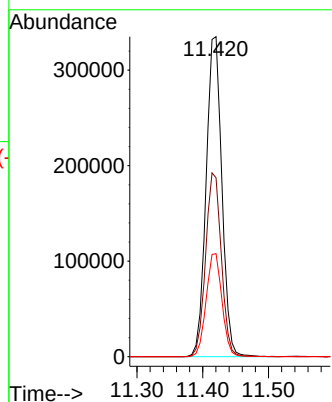
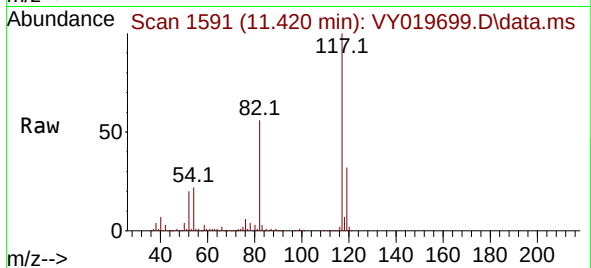
Tgt Ion:117 Resp: 558571

Ion Ratio Lower Upper

117 100

82 55.9 42.4 63.6

119 32.2 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: VY019699.D

Acq: 25 Sep 2024 16:48

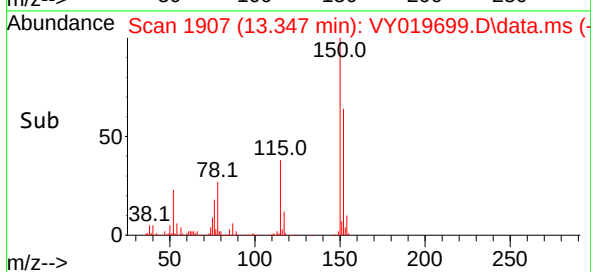
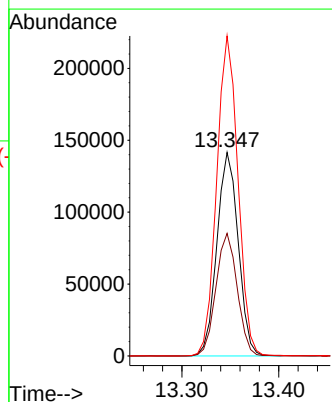
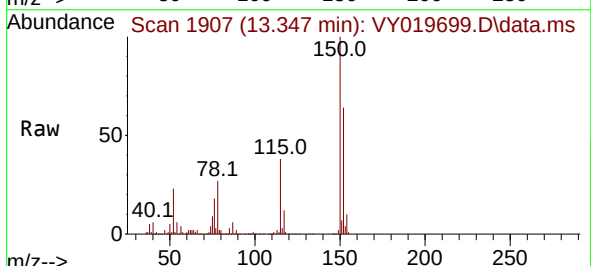
Tgt Ion:152 Resp: 216314

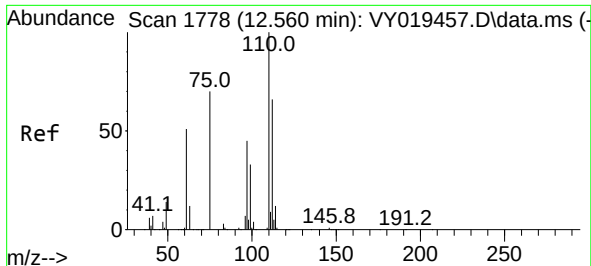
Ion Ratio Lower Upper

152 100

115 60.3 28.2 84.7

150 157.1 0.0 345.6

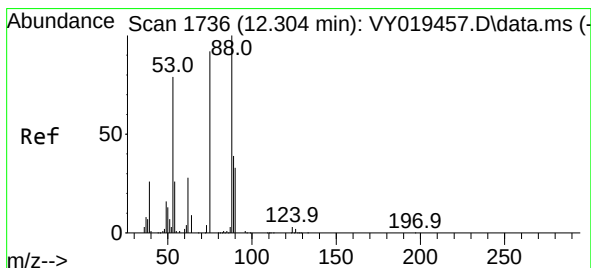
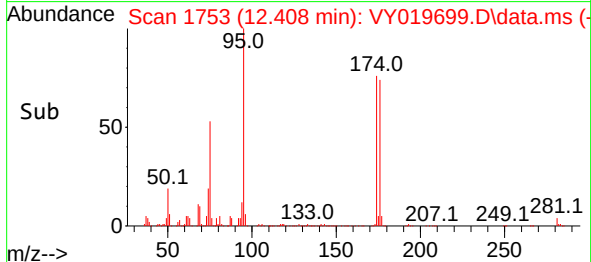
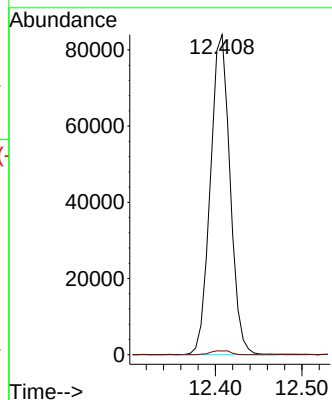
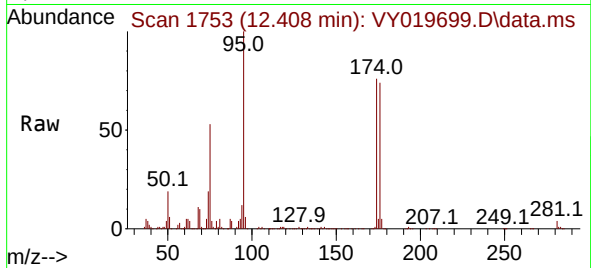




#76
1,2,3-Trichloropropane
Concen: 65.480 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019699.D
Acq: 25 Sep 2024 16:48

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 132760
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.703 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019699.D
Acq: 25 Sep 2024 16:48

Tgt Ion: 75 Resp: 132760
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#

