

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051623\
 Data File : VY013756.D
 Acq On : 16 May 2023 13:55
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 17 07:46:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

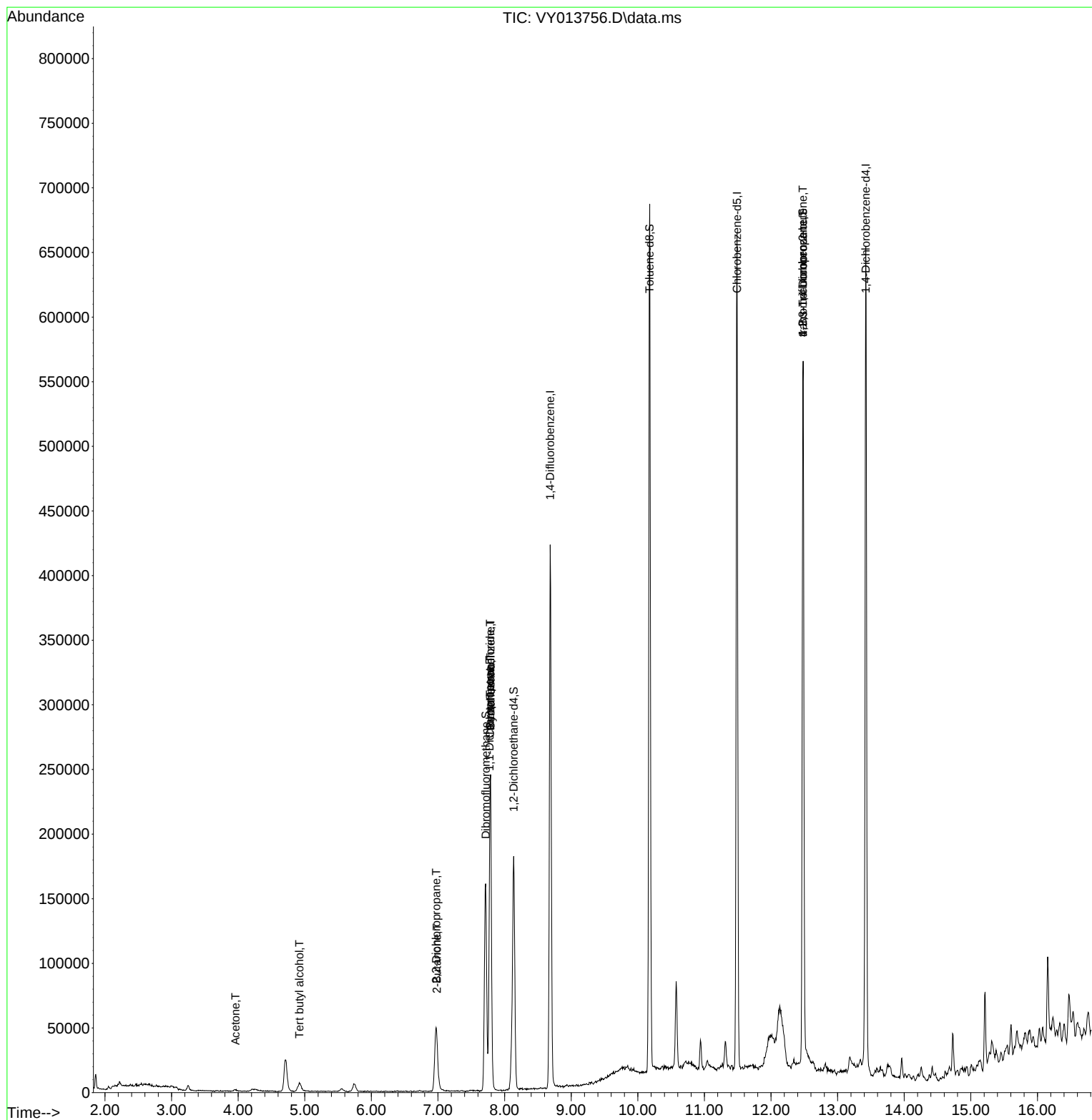
Internal Standards						
1) Pentafluorobenzene	7.789	168	191147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	336980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	338749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128711	61.426	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.860%	
35) Dibromofluoromethane	7.716	113	112379	53.023	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.040%	
50) Toluene-d8	10.179	98	432481	57.360	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.720%	
62) 4-Bromofluorobenzene	12.477	95	154880	60.932	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 121.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.917	59	6721	29.053	ug/l #	92
13) Acrolein	3.832	56	25	Below Cal	#	60
16) Acetone	3.960	43	2165	2.624	ug/l #	77
20) Methylene Chloride	4.716	84	18359	Below Cal		92
25) 2-Butanone	6.984	43	3403	3.252	ug/l #	82
26) 2,2-Dichloropropane	6.972	77	4010	1.159	ug/l #	52
31) Cyclohexane	7.789	56	4507	1.201	ug/l #	15
36) 1,1-Dichloropropene	7.777	75	15900	4.520	ug/l #	50
38) Carbon Tetrachloride	7.783	117	18271	4.956	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	82375	39.054	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	82375	79.887	ug/l #	13

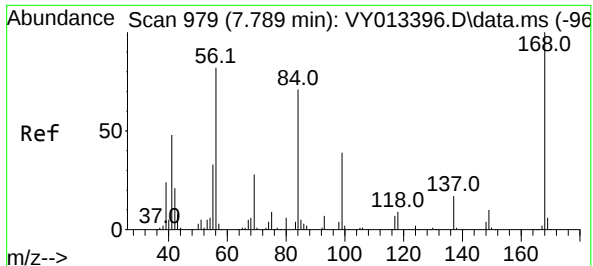
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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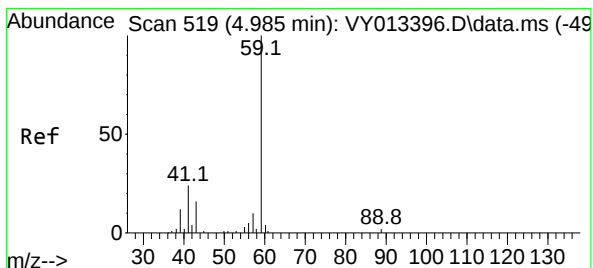
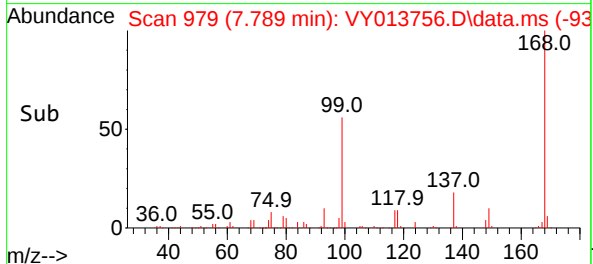
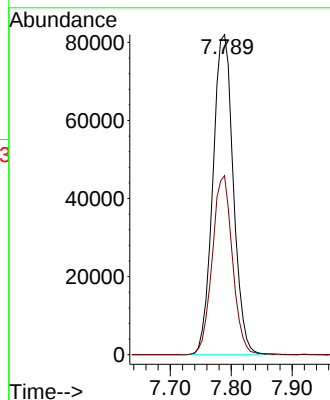
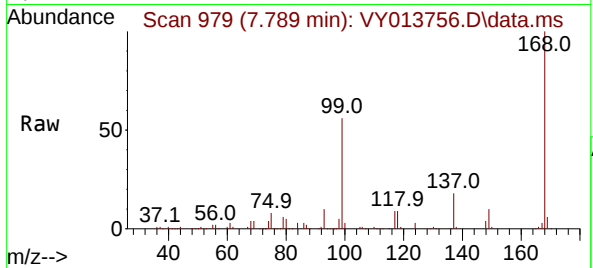




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013756.D
Acq: 16 May 2023 13:55

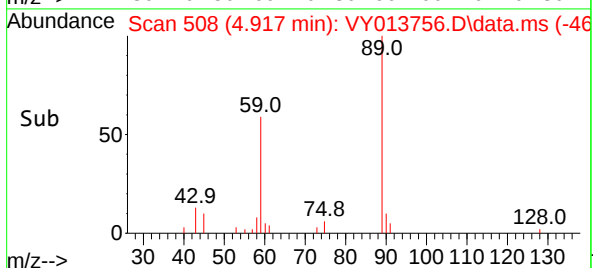
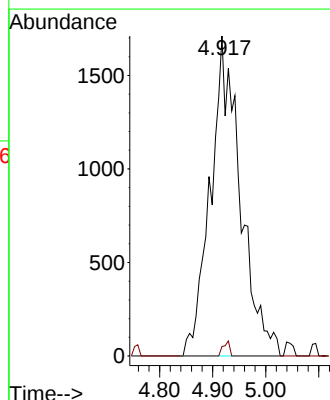
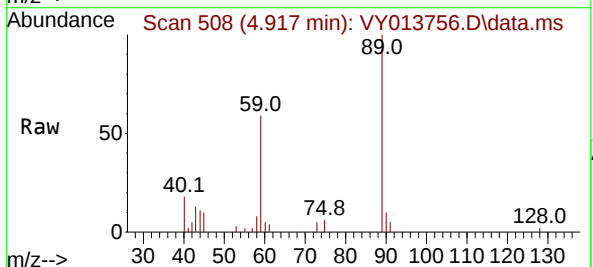
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

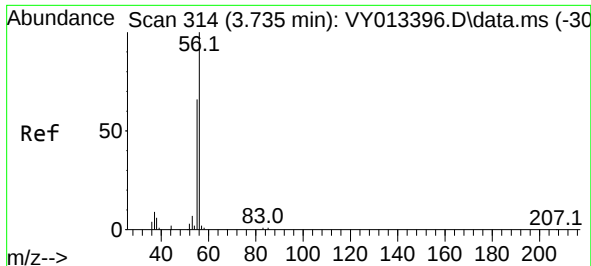
Tgt Ion:168 Resp: 191147
Ion Ratio Lower Upper
168 100
99 55.9 41.8 62.6



#11
Tert butyl alcohol
Concen: 29.053 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.061 min
Lab File: VY013756.D
Acq: 16 May 2023 13:55

Tgt Ion: 59 Resp: 6721
Ion Ratio Lower Upper
59 100
57 1.0 3.0 4.4#

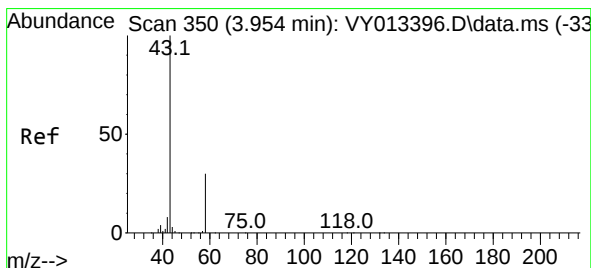
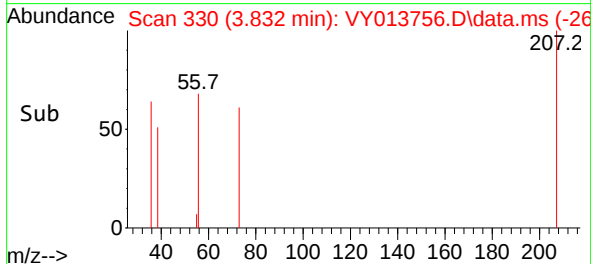
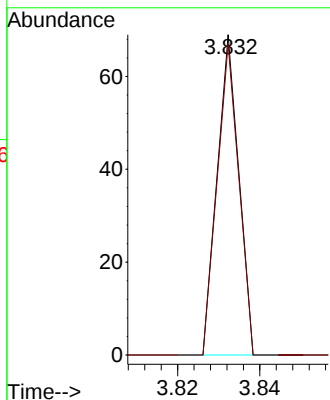
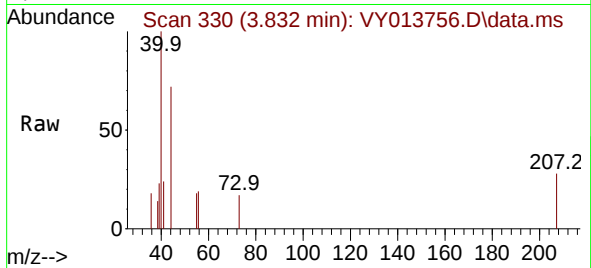




#13
Acrolein
Concen: Below Cal
RT: 3.832 min Scan# 314
Delta R.T. 0.103 min
Lab File: VY013756.D
Acq: 16 May 2023 13:55

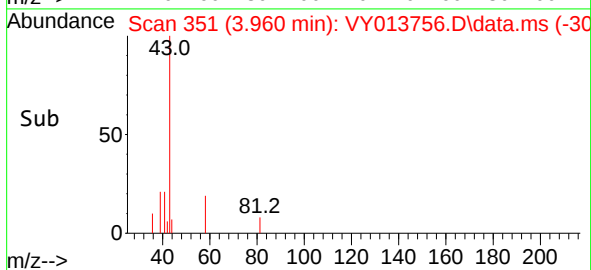
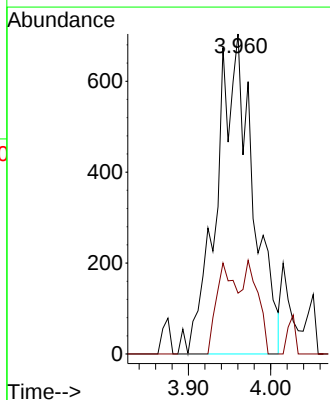
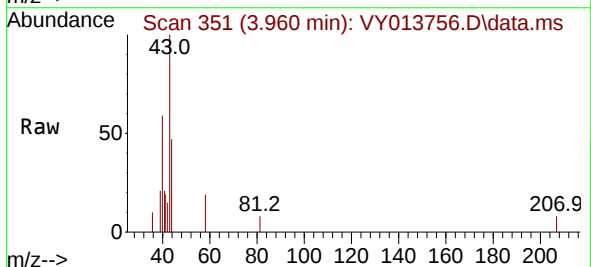
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

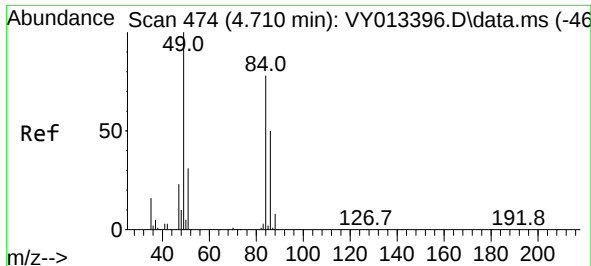
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 100.0 54.1 81.1#



#16
Acetone
Concen: 2.624 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY013756.D
Acq: 16 May 2023 13:55

Tgt Ion: 43 Resp: 2165
Ion Ratio Lower Upper
43 100
58 19.0 25.4 38.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY013756.D

Acq: 16 May 2023 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 18359

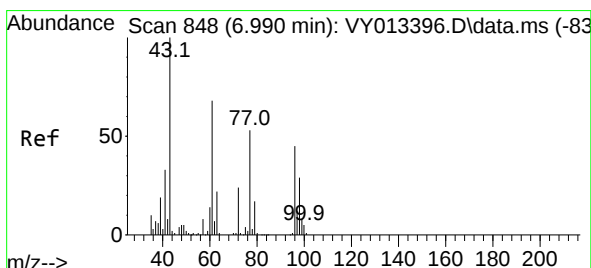
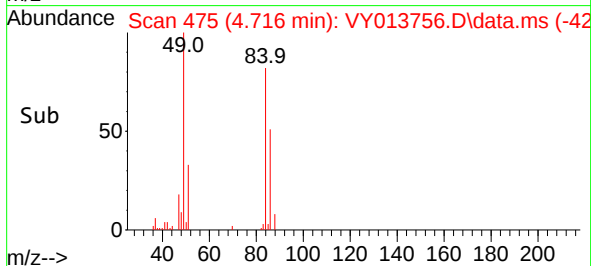
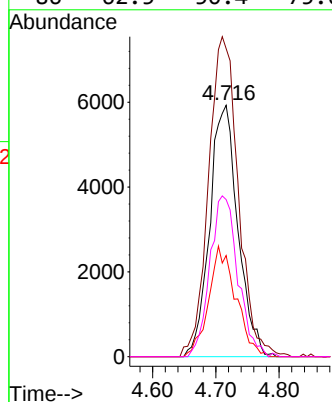
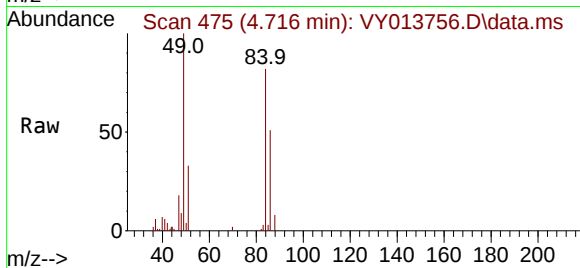
Ion Ratio Lower Upper

84 100

49 122.6 88.0 132.0

51 40.2 27.4 41.0

86 62.5 50.4 75.6



#25

2-Butanone

Concen: 3.252 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013756.D

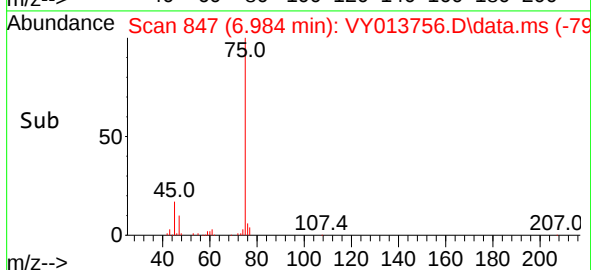
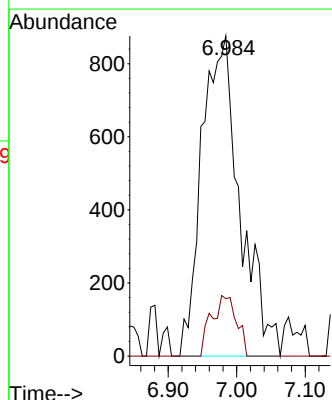
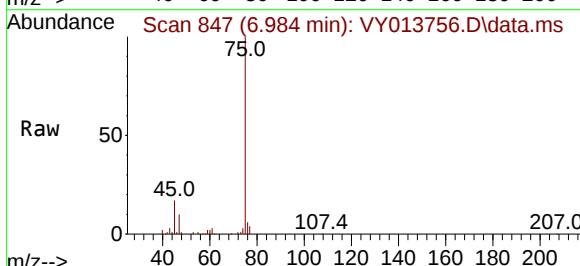
Acq: 16 May 2023 13:55

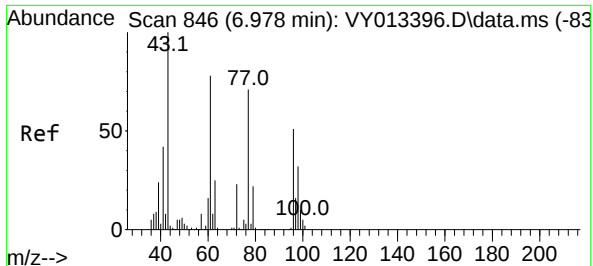
Tgt Ion: 43 Resp: 3403

Ion Ratio Lower Upper

43 100

72 17.9 21.9 32.9#





#26

2,2-Dichloropropane

Concen: 1.159 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY013756.D

Acq: 16 May 2023 13:55

Instrument :

MSVOA_Y

ClientSampleId :

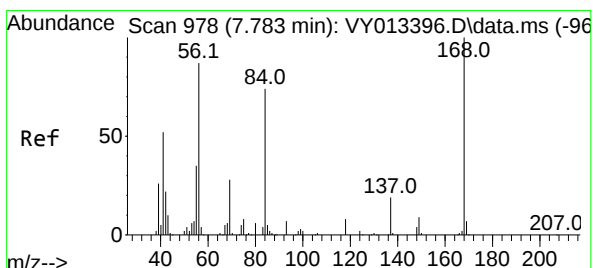
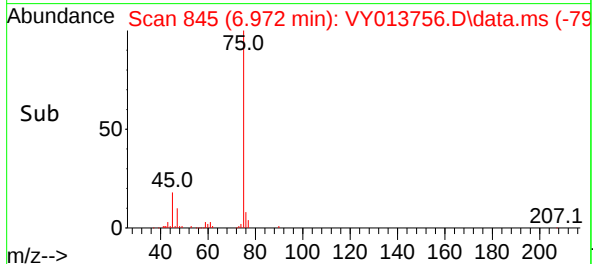
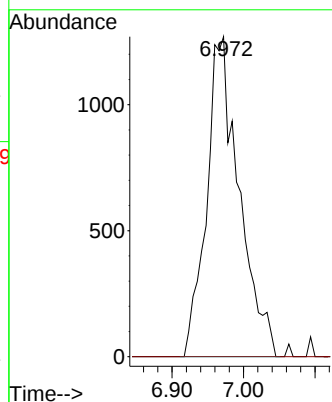
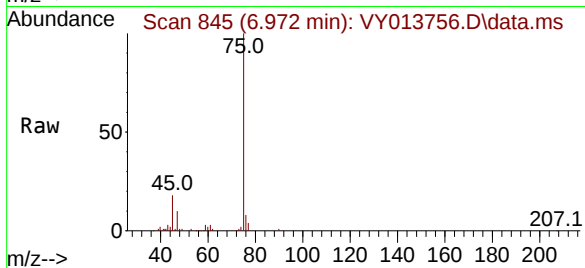
VIBLK

Tgt Ion: 77 Resp: 4010

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#31

Cyclohexane

Concen: 1.201 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY013756.D

Acq: 16 May 2023 13:55

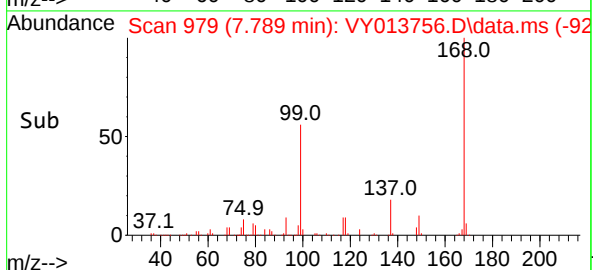
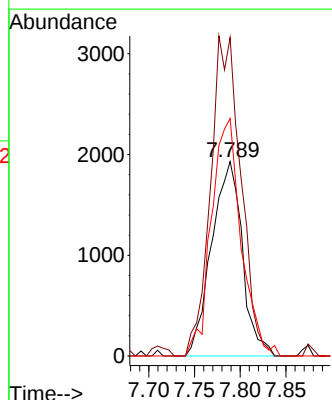
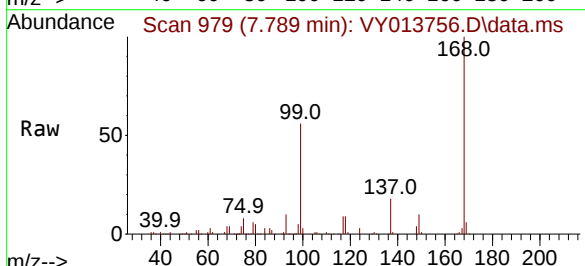
Tgt Ion: 56 Resp: 4507

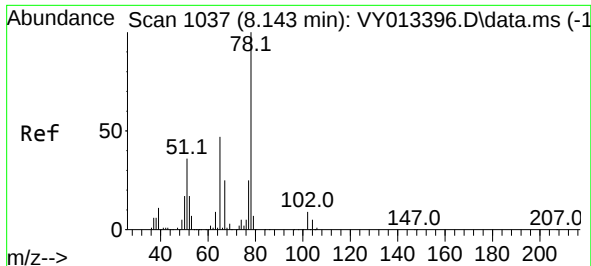
Ion Ratio Lower Upper

56 100

69 163.8 29.2 43.8#

84 122.2 73.0 109.6#

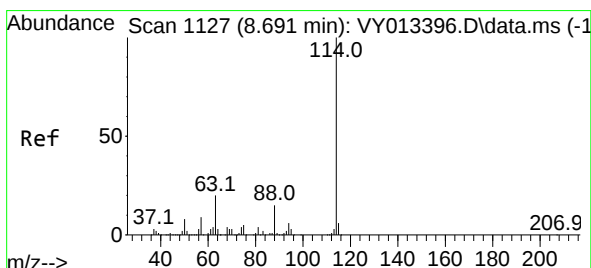
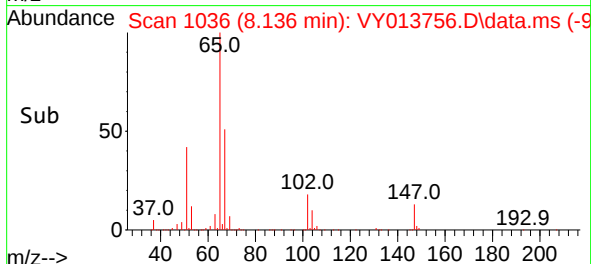
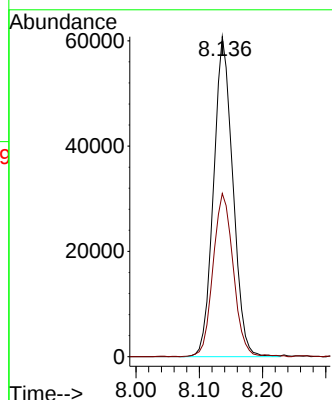
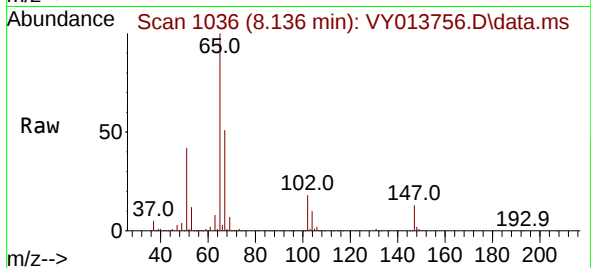




#33
 1,2-Dichloroethane-d4
 Concen: 61.426 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY013756.D
 Acq: 16 May 2023 13:55

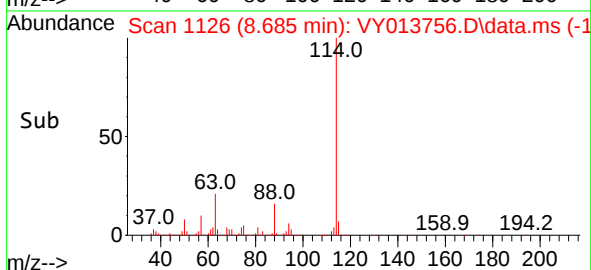
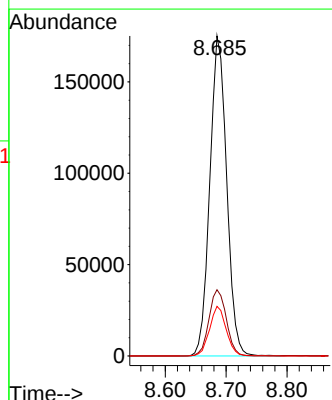
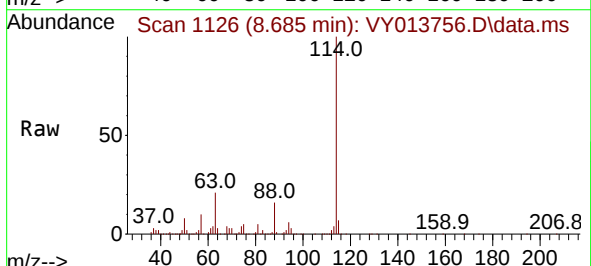
Instrument :
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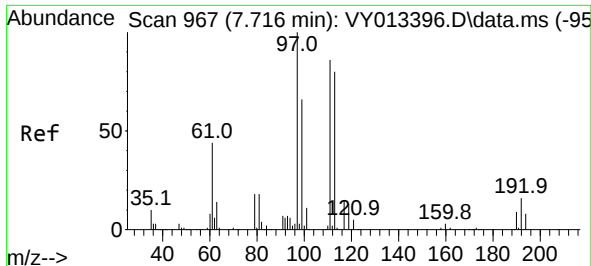
Tgt Ion: 65 Resp: 128711
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY013756.D
 Acq: 16 May 2023 13:55

Tgt Ion: 114 Resp: 336980
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 36.6
 88 15.5 0.0 28.8

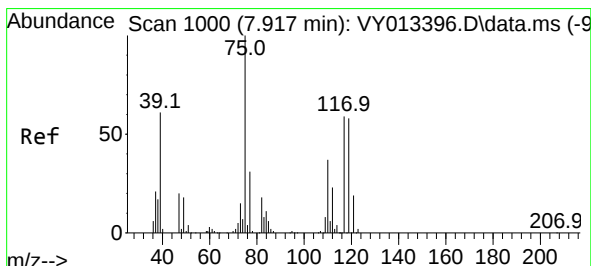
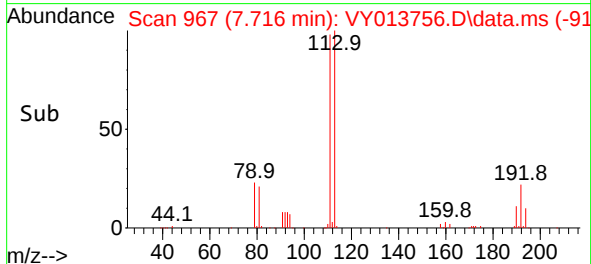
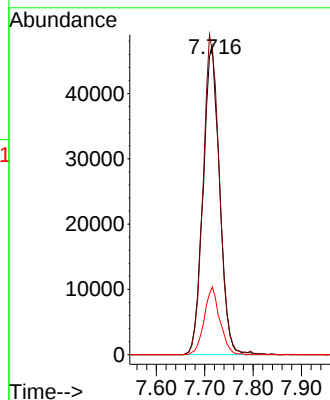
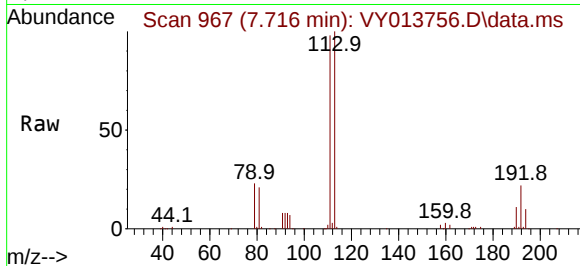




#35
Dibromofluoromethane
Concen: 53.023 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013756.D
Acq: 16 May 2023 13:55

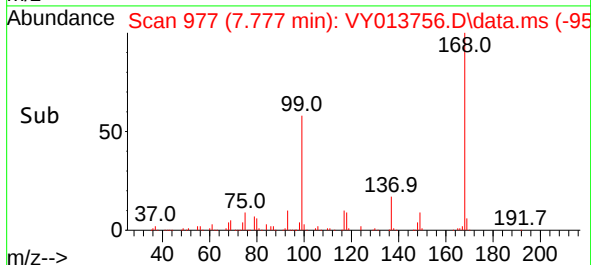
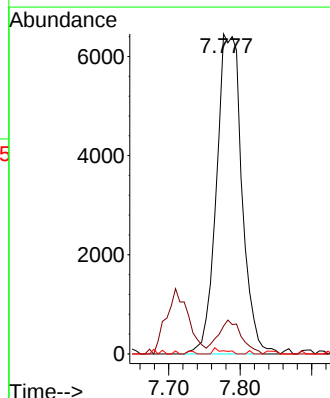
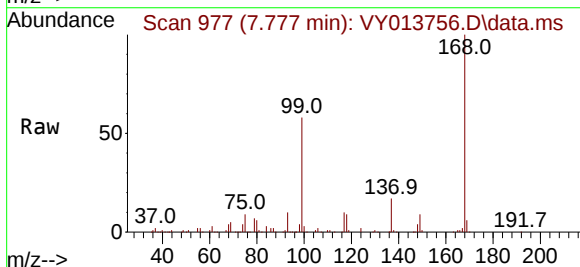
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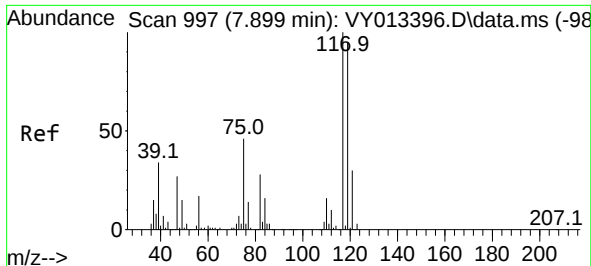
Tgt Ion:113 Resp: 112379
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 20.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.520 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.140 min
Lab File: VY013756.D
Acq: 16 May 2023 13:55

Tgt Ion: 75 Resp: 15900
Ion Ratio Lower Upper
75 100
110 9.8 18.7 56.1#
77 0.8 24.6 37.0#

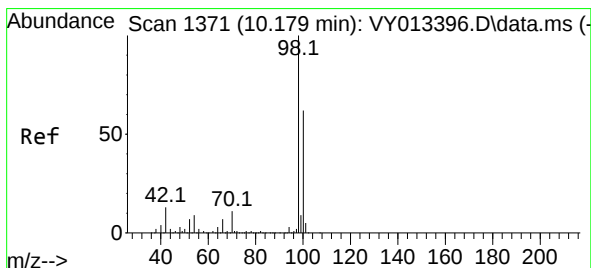
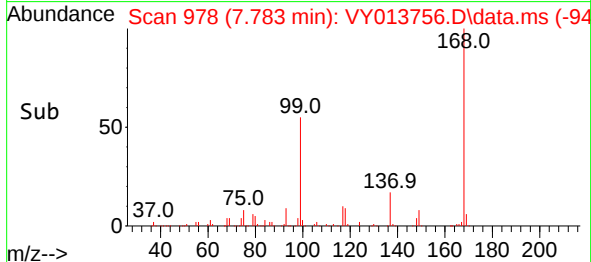
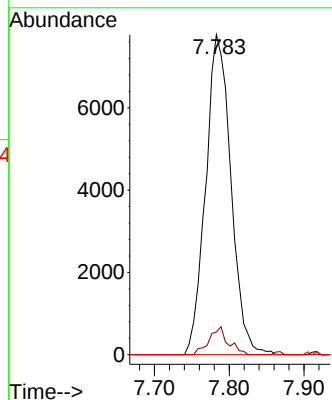
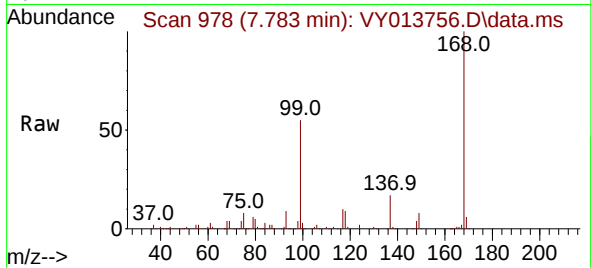




#38
Carbon Tetrachloride
Concen: 4.956 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013756.D
Acq: 16 May 2023 13:55

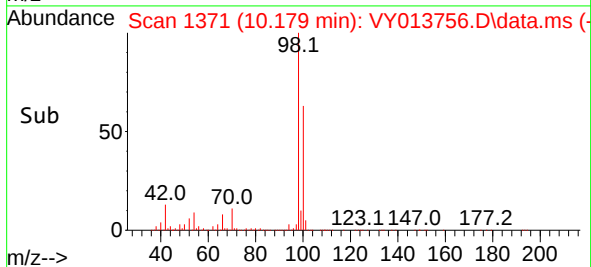
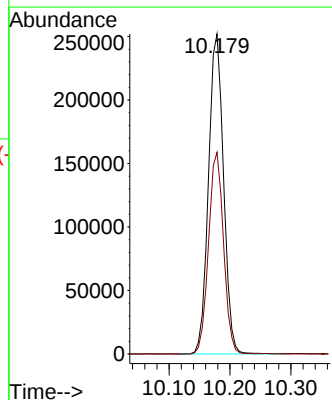
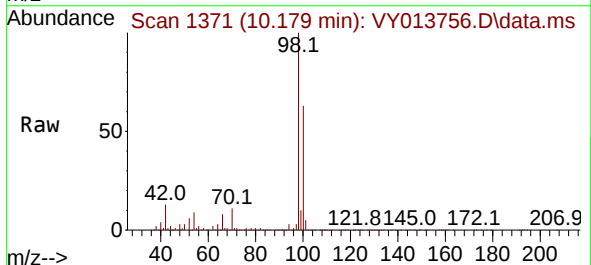
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

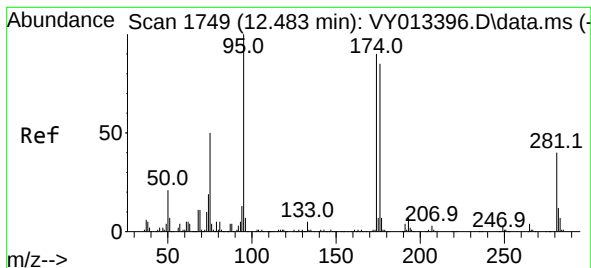
Tgt Ion:117 Resp: 18271
Ion Ratio Lower Upper
117 100
119 7.1 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 57.360 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013756.D
Acq: 16 May 2023 13:55

Tgt Ion: 98 Resp: 432481
Ion Ratio Lower Upper
98 100
100 62.6 50.5 75.7

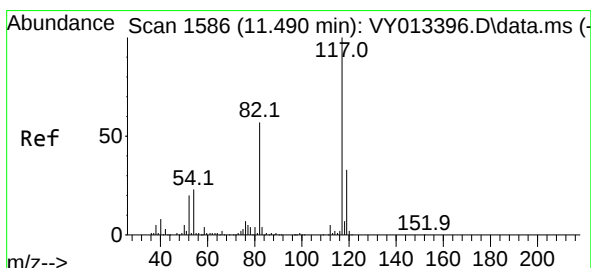
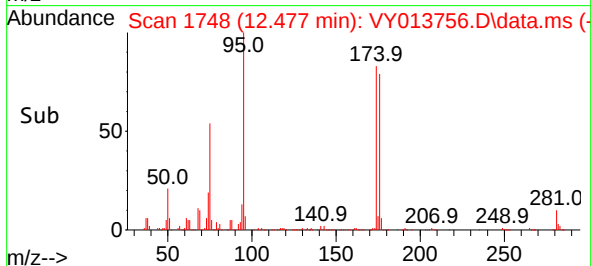
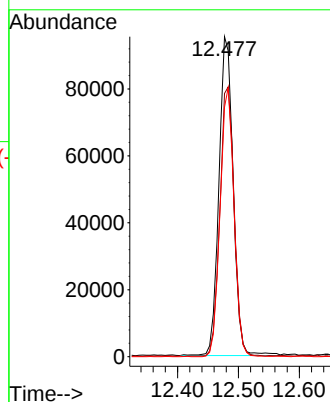
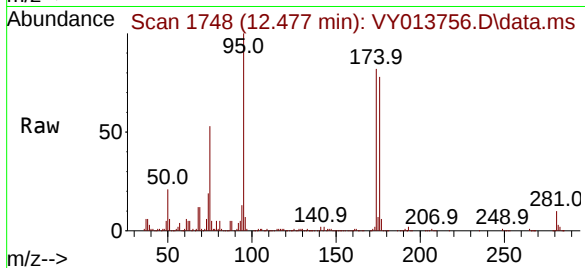




#62
4-Bromofluorobenzene
Concen: 60.932 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013756.D
Acq: 16 May 2023 13:55

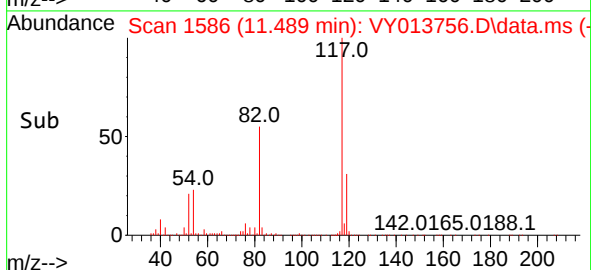
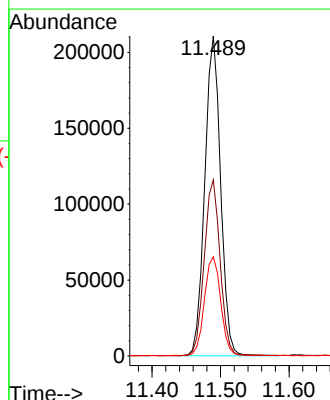
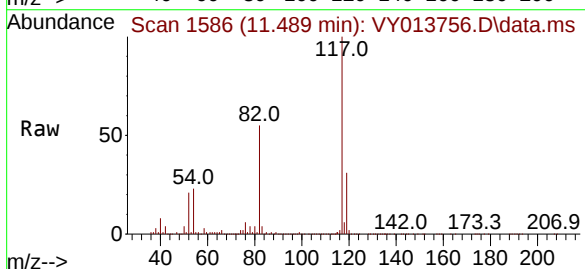
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

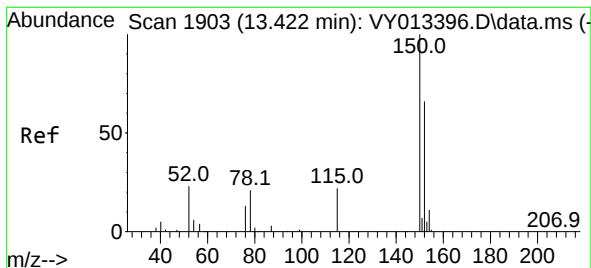
Tgt Ion: 95 Resp: 154880
Ion Ratio Lower Upper
95 100
174 84.5 0.0 182.0
176 82.3 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013756.D
Acq: 16 May 2023 13:55

Tgt Ion: 117 Resp: 338749
Ion Ratio Lower Upper
117 100
82 55.0 43.0 64.6
119 31.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013756.D

Acq: 16 May 2023 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

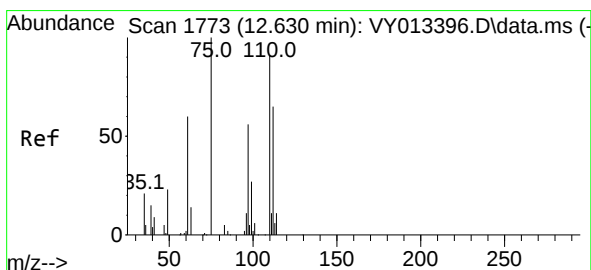
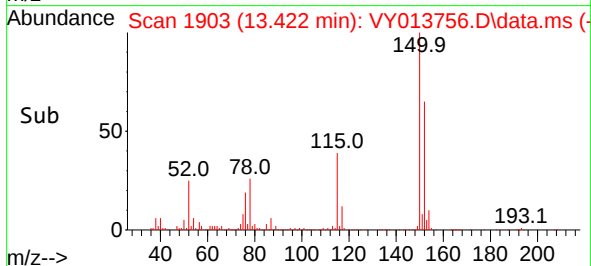
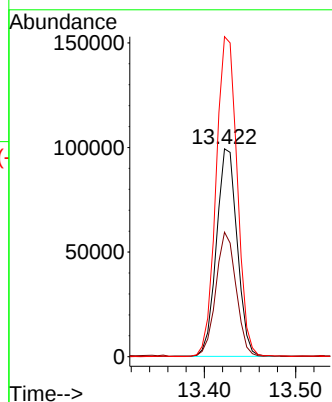
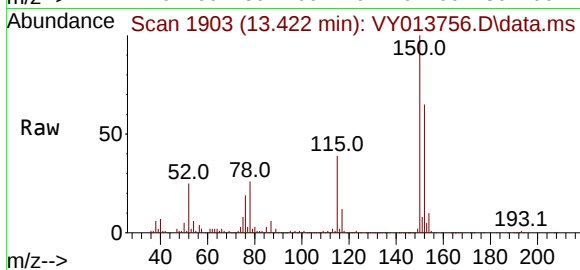
Tgt Ion:152 Resp: 156402

Ion Ratio Lower Upper

152 100

115 57.9 28.1 84.2

150 156.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 39.054 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013756.D

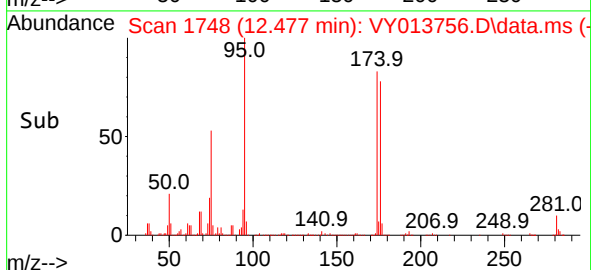
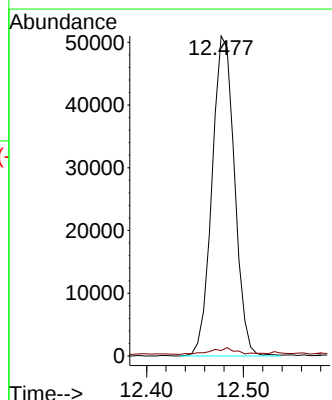
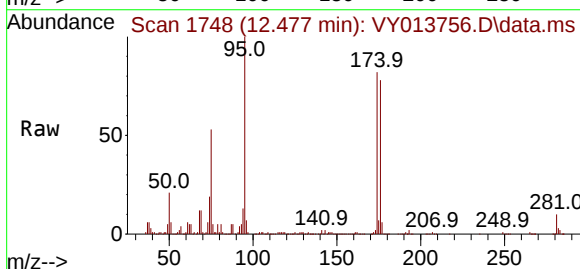
Acq: 16 May 2023 13:55

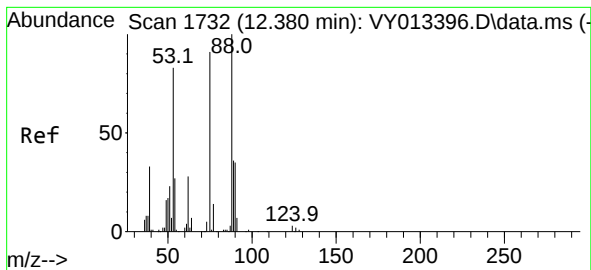
Tgt Ion: 75 Resp: 82375

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.887 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013756.D
 Acq: 16 May 2023 13:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 82375
 Ion Ratio Lower Upper
 75 100
 53 0.4 73.2 109.8#
 89 0.7 38.0 57.0#

