

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030623\
 Data File : VY012825.D
 Acq On : 06 Mar 2023 15:50
 Operator : KP/MD
 Sample : 01671-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T5-1

Quant Time: Mar 07 04:25:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

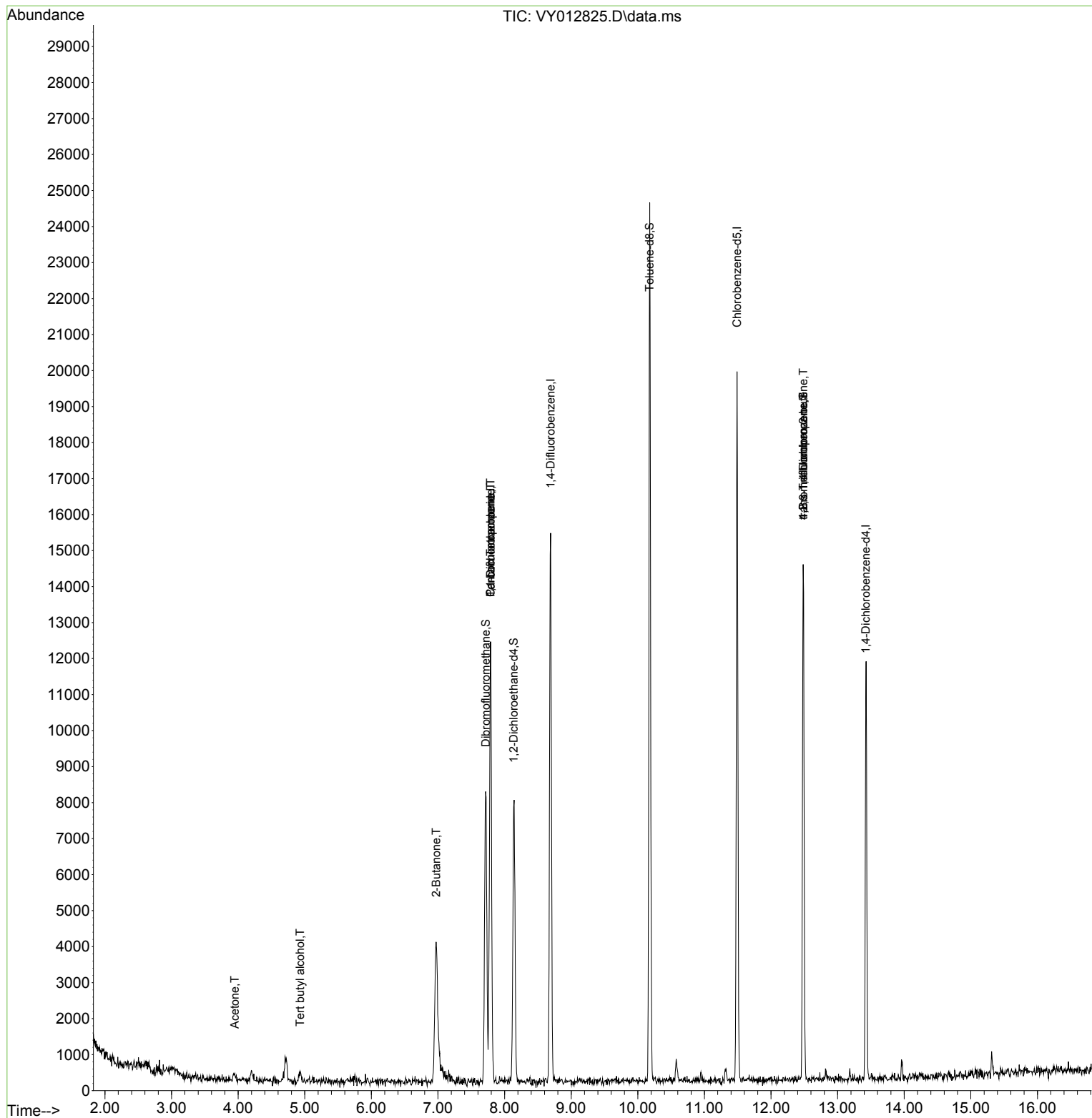
Internal Standards						
1) Pentafluorobenzene	7.789	168	9738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	13221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	10508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	3321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	6222	64.353	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.700%	
35) Dibromofluoromethane	7.716	113	5907	74.033	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 148.060%#	
50) Toluene-d8	10.179	98	16204	55.552	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.100%	
62) 4-Bromofluorobenzene	12.483	95	3789	38.485	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.980%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.930	59	268	4.291	ug/l #	74
16) Acetone	3.948	43	307	8.090	ug/l #	44
20) Methylene Chloride	4.710	84	280	Below Cal	#	65
25) 2-Butanone	6.972	43	173	3.681	ug/l #	49
36) 1,1-Dichloropropene	7.789	75	891	6.664	ug/l #	41
38) Carbon Tetrachloride	7.789	117	900	6.518	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	2048	51.641	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2048	107.003	ug/l #	13

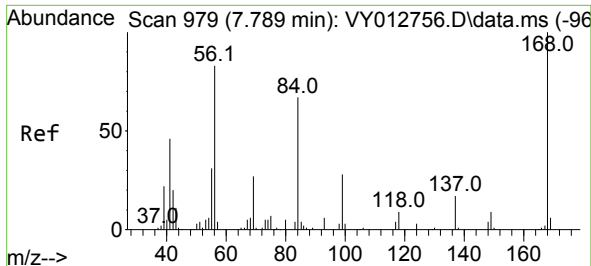
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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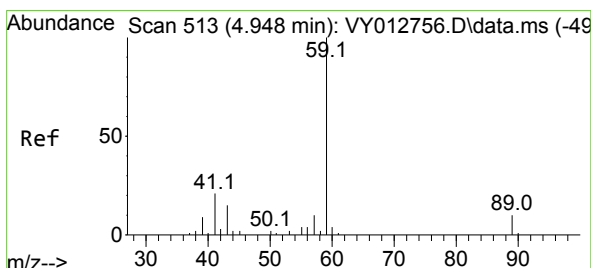
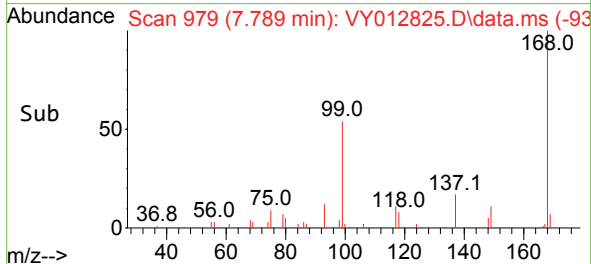
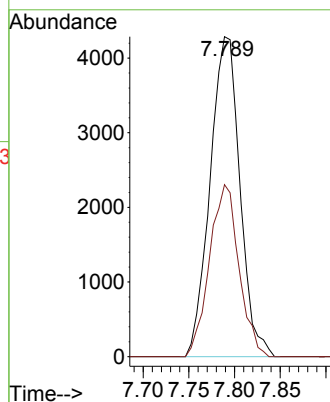
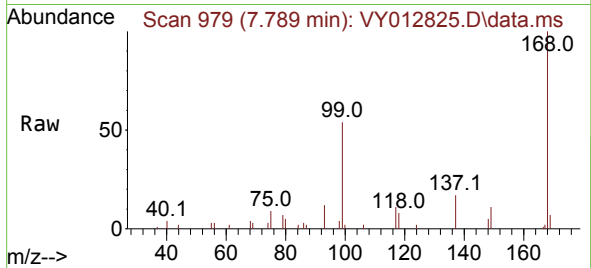




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012825.D
Acq: 06 Mar 2023 15:50

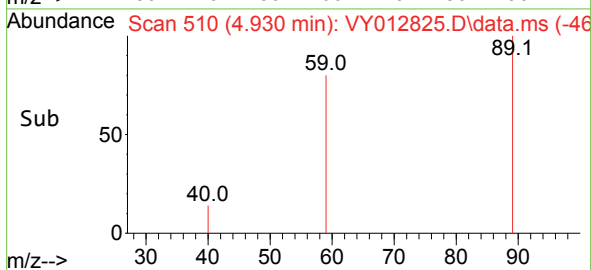
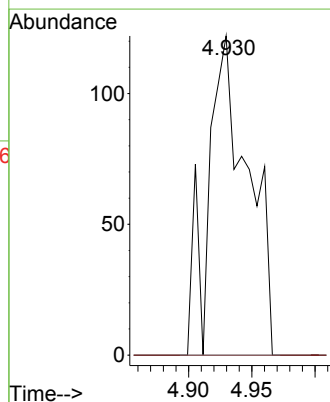
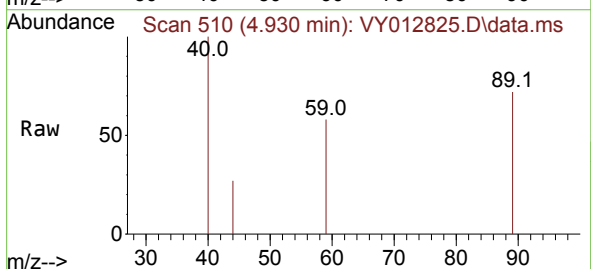
Instrument :
MSVOA_Y
ClientSampleId :
T5-1

Tgt Ion:168 Resp: 9738
Ion Ratio Lower Upper
168 100
99 53.7 41.7 62.5



#11
Tert butyl alcohol
Concen: 4.291 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012825.D
Acq: 06 Mar 2023 15:50

Tgt Ion: 59 Resp: 268
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 8.090 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012825.D

Acq: 06 Mar 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :

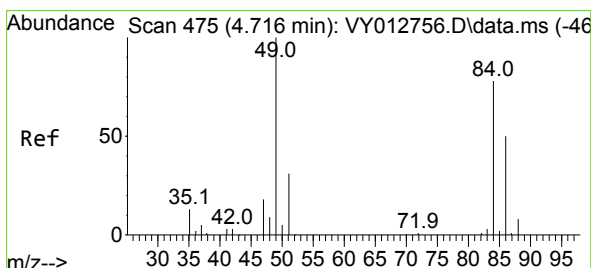
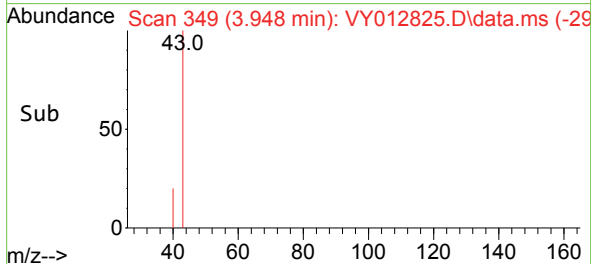
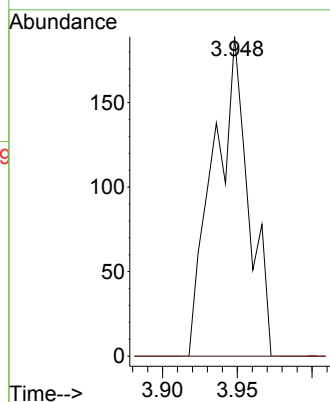
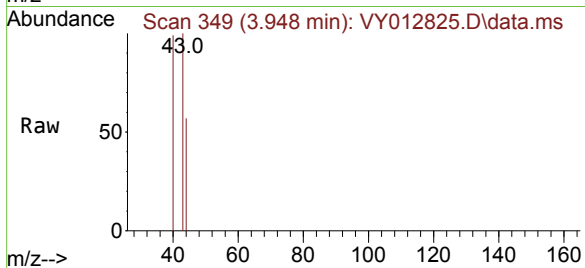
T5-1

Tgt Ion: 43 Resp: 307

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012825.D

Acq: 06 Mar 2023 15:50

Tgt Ion: 84 Resp: 280

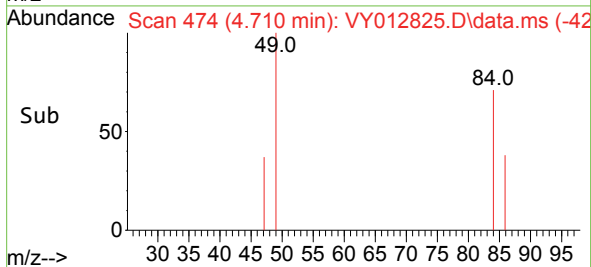
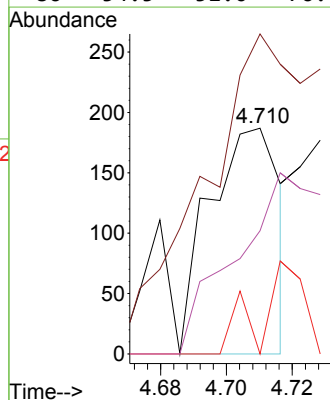
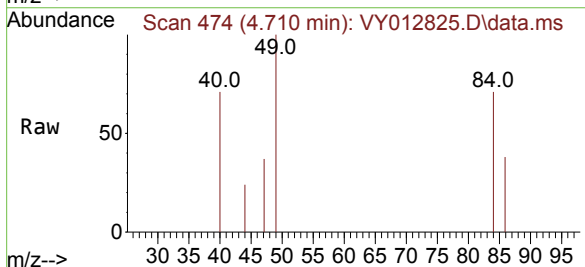
Ion Ratio Lower Upper

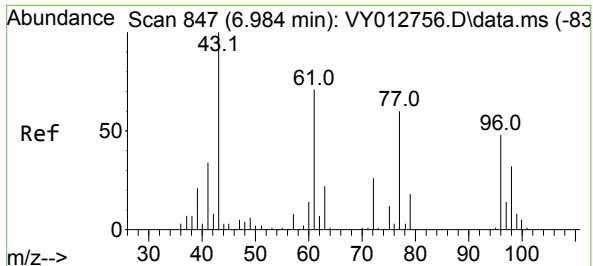
84 100

49 86.1 102.6 154.0#

51 0.0 31.9 47.9#

86 54.5 51.0 76.6





#25

2-Butanone

Concen: 3.681 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY012825.D

Acq: 06 Mar 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :

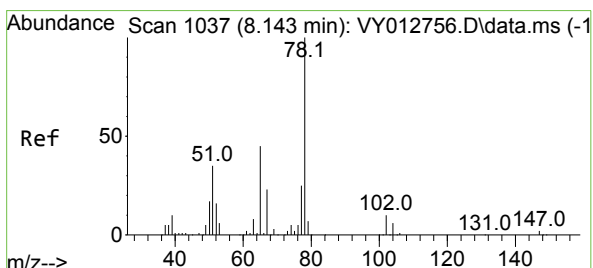
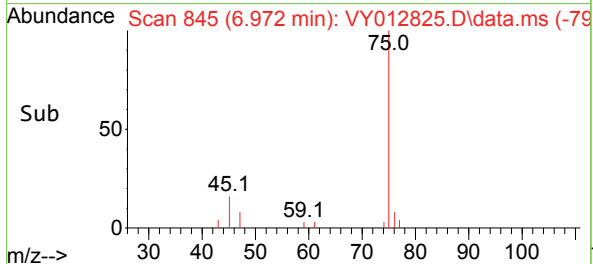
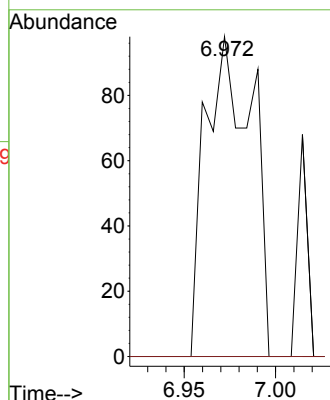
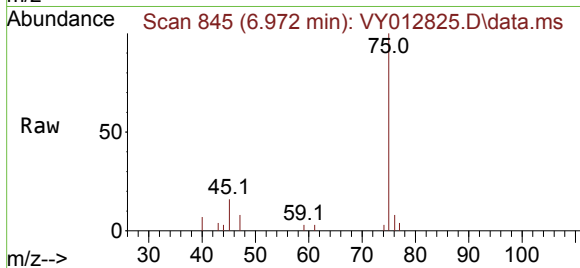
T5-1

Tgt Ion: 43 Resp: 173

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#33

1,2-Dichloroethane-d4

Concen: 64.353 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY012825.D

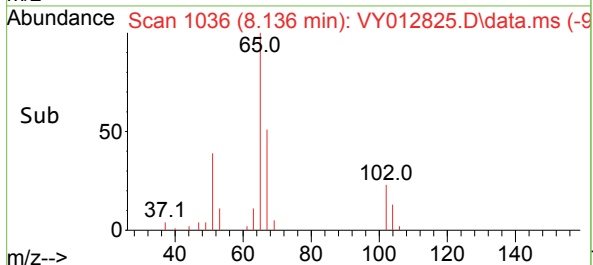
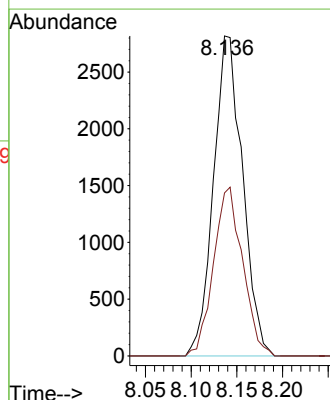
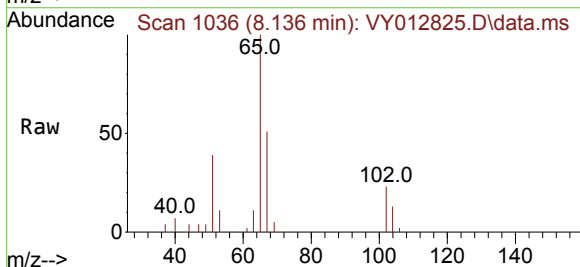
Acq: 06 Mar 2023 15:50

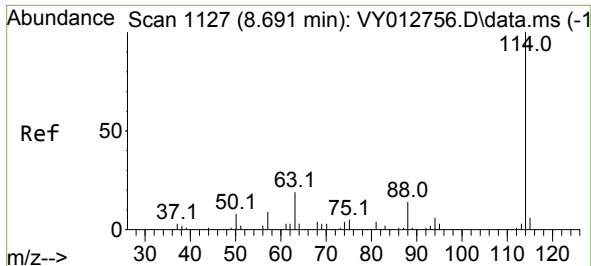
Tgt Ion: 65 Resp: 6222

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.0

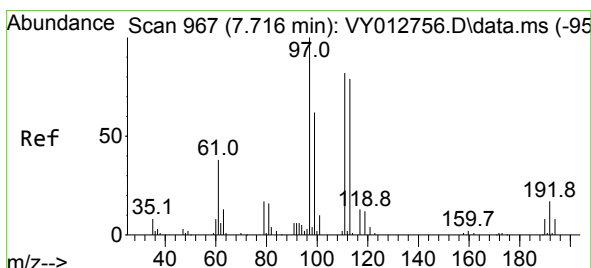
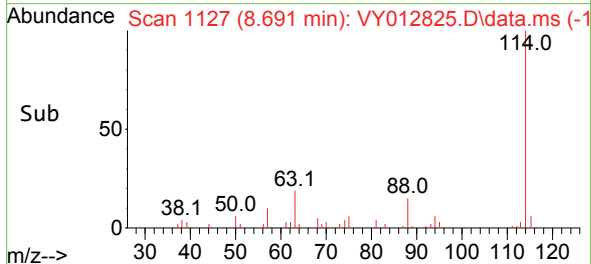
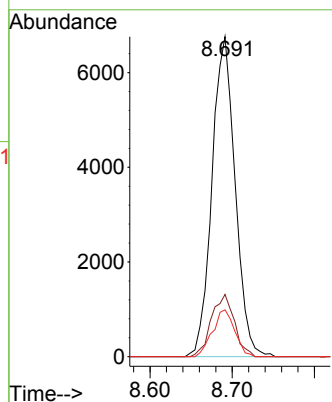
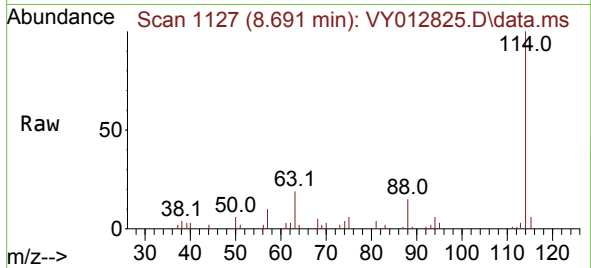




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012825.D
Acq: 06 Mar 2023 15:50

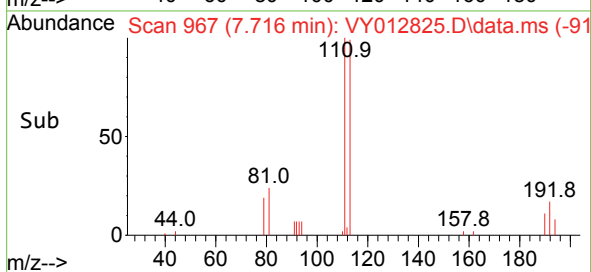
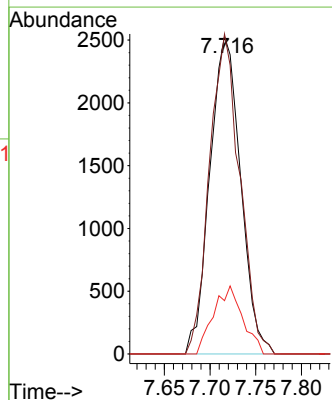
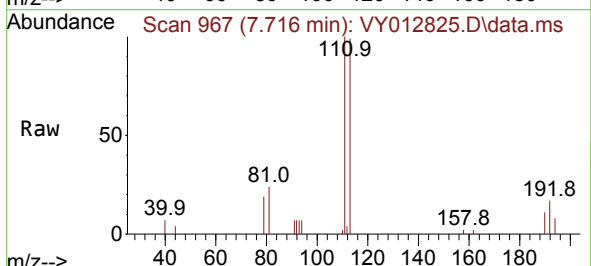
Instrument :
MSVOA_Y
ClientSampleId :
T5-1

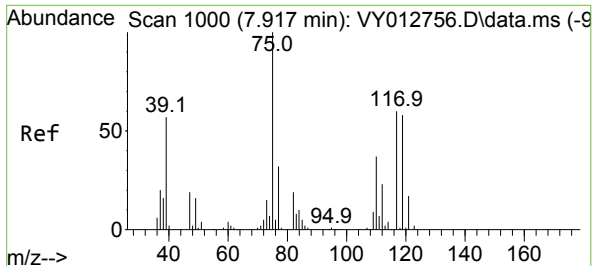
Tgt Ion:114	Resp:	13221
Ion	Ratio	Lower Upper
114	100	
63	19.5	0.0 37.4
88	14.6	0.0 28.6



#35
Dibromofluoromethane
Concen: 74.033 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012825.D
Acq: 06 Mar 2023 15:50

Tgt Ion:113	Resp:	5907
Ion	Ratio	Lower Upper
113	100	
111	99.7	82.2 123.2
192	20.3	16.8 25.2





#36

1,1-Dichloropropene

Concen: 6.664 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012825.D

Acq: 06 Mar 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :

T5-1

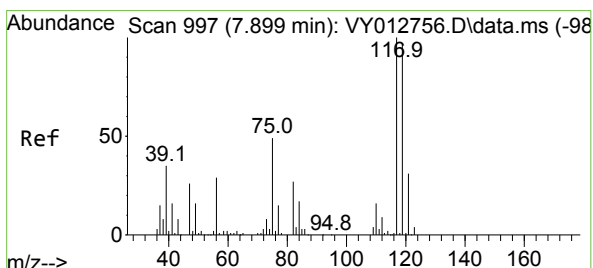
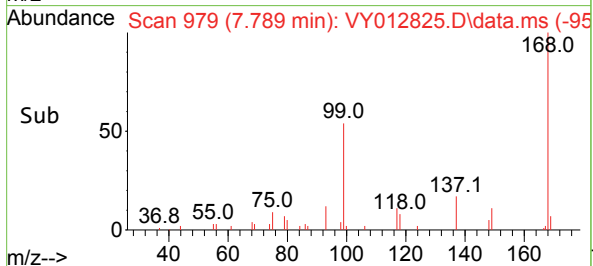
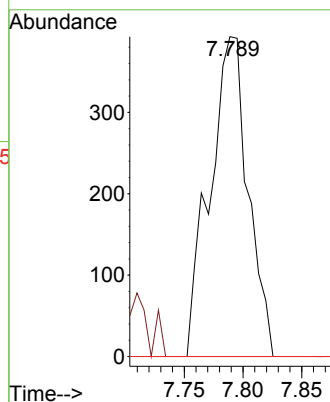
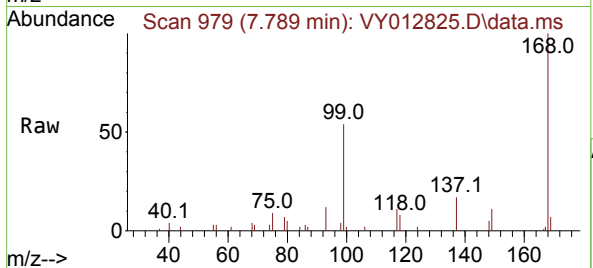
Tgt Ion: 75 Resp: 891

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.518 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012825.D

Acq: 06 Mar 2023 15:50

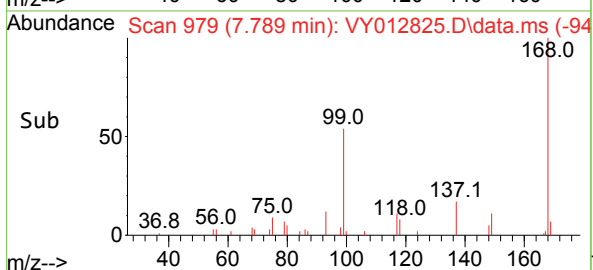
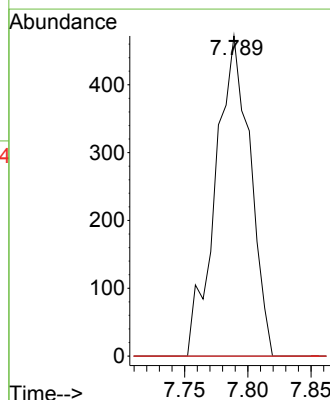
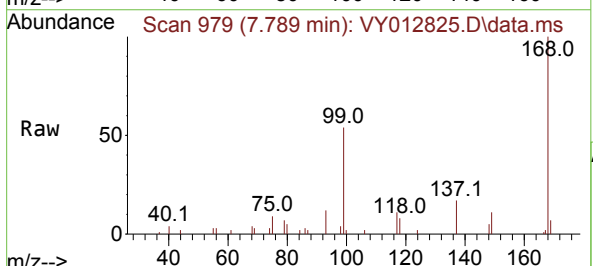
Tgt Ion: 117 Resp: 900

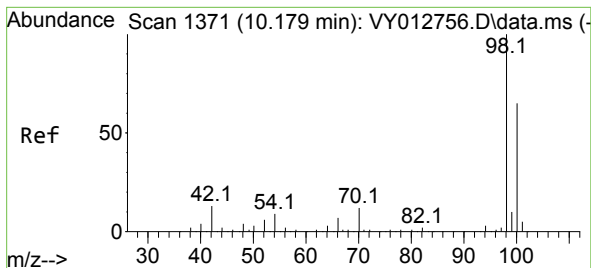
Ion Ratio Lower Upper

117 100

119 0.0 77.2 115.8#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 55.552 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012825.D

Acq: 06 Mar 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :

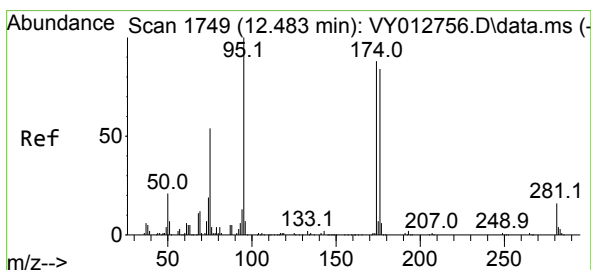
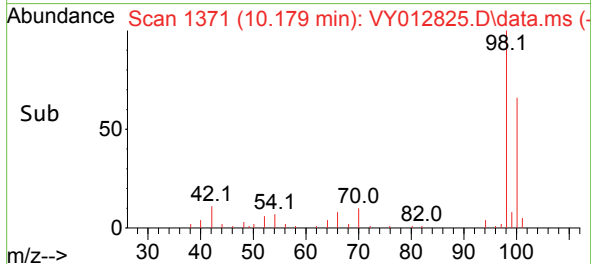
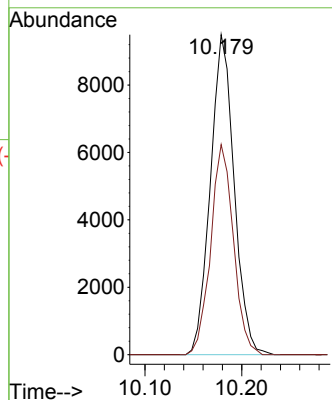
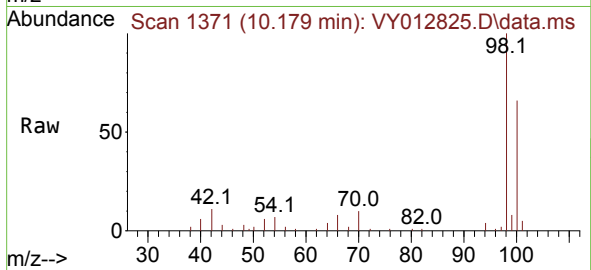
T5-1

Tgt Ion: 98 Resp: 16204

Ion Ratio Lower Upper

98 100

100 62.8 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 38.485 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012825.D

Acq: 06 Mar 2023 15:50

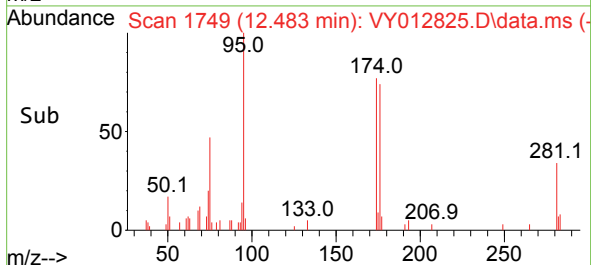
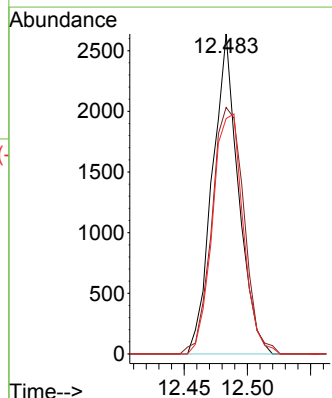
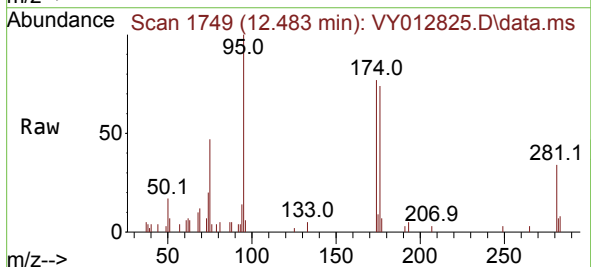
Tgt Ion: 95 Resp: 3789

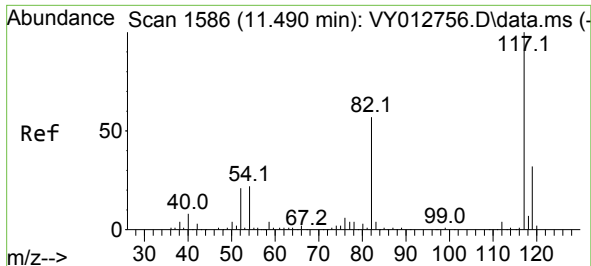
Ion Ratio Lower Upper

95 100

174 94.2 0.0 176.6

176 87.5 0.0 170.2

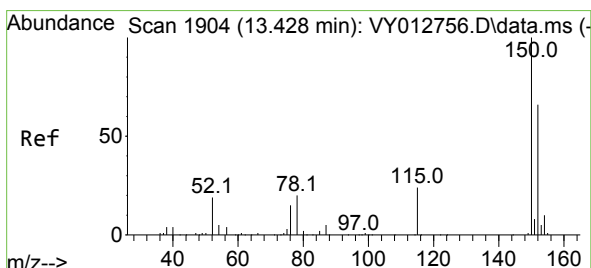
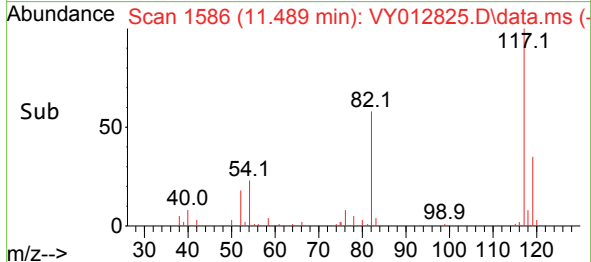
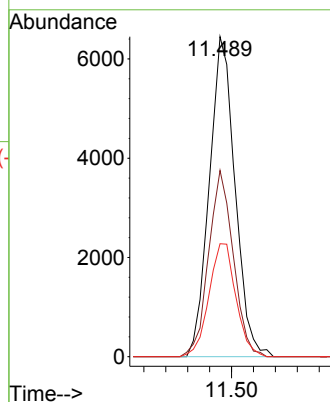
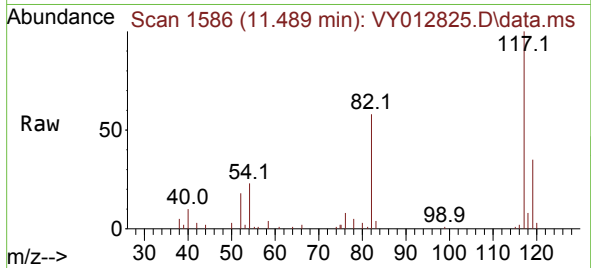




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012825.D
Acq: 06 Mar 2023 15:50

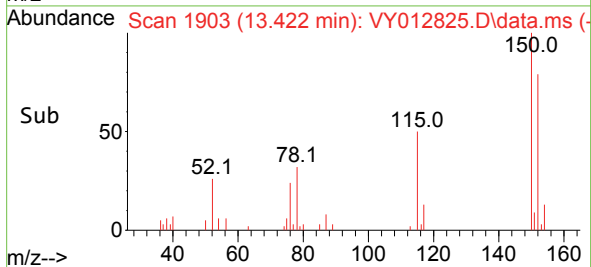
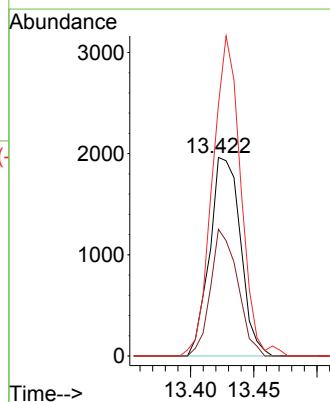
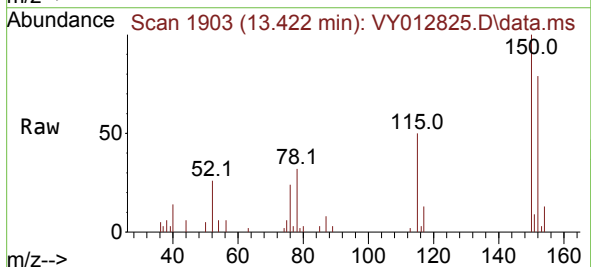
Instrument :
MSVOA_Y
ClientSampleId :
T5-1

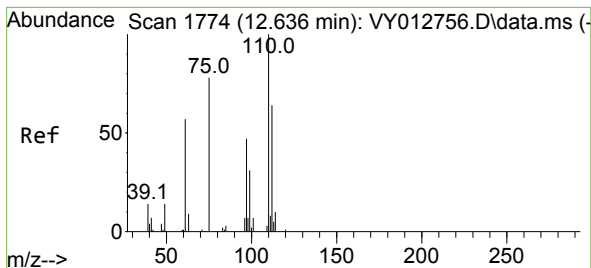
Tgt Ion:117	Resp:	10508
Ion	Ratio	Lower Upper
117	100	
82	58.2	45.4 68.0
119	35.3	25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012825.D
Acq: 06 Mar 2023 15:50

Tgt Ion:152	Resp:	3321
Ion	Ratio	Lower Upper
152	100	
115	56.4	27.1 81.3
150	147.8	0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 51.641 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY012825.D

Acq: 06 Mar 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :

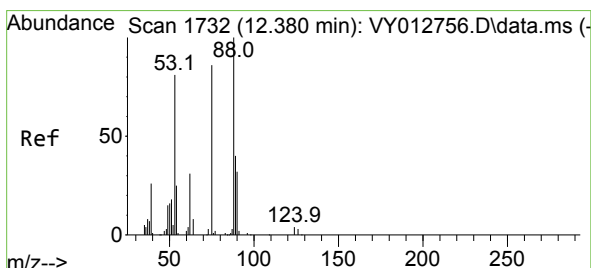
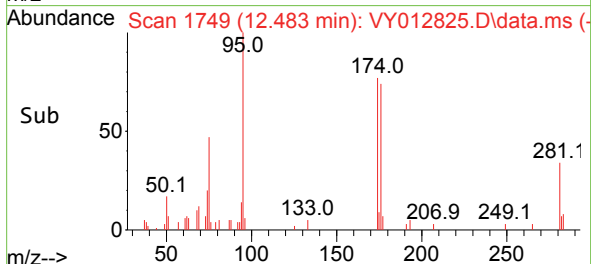
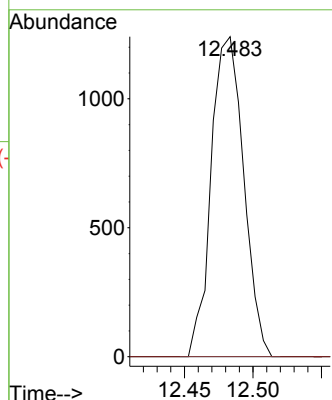
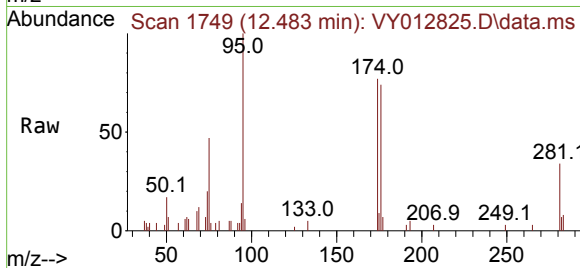
T5-1

Tgt Ion: 75 Resp: 2048

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 107.003 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY012825.D

Acq: 06 Mar 2023 15:50

Tgt Ion: 75 Resp: 2048

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.0#

89 0.0 36.6 55.0#

