

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031623\
 Data File : VY012976.D
 Acq On : 16 Mar 2023 17:29
 Operator : KP/MD
 Sample : 01964-01
 Misc : 3.82g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 UNION-2

Quant Time: Mar 17 01:38:22 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)

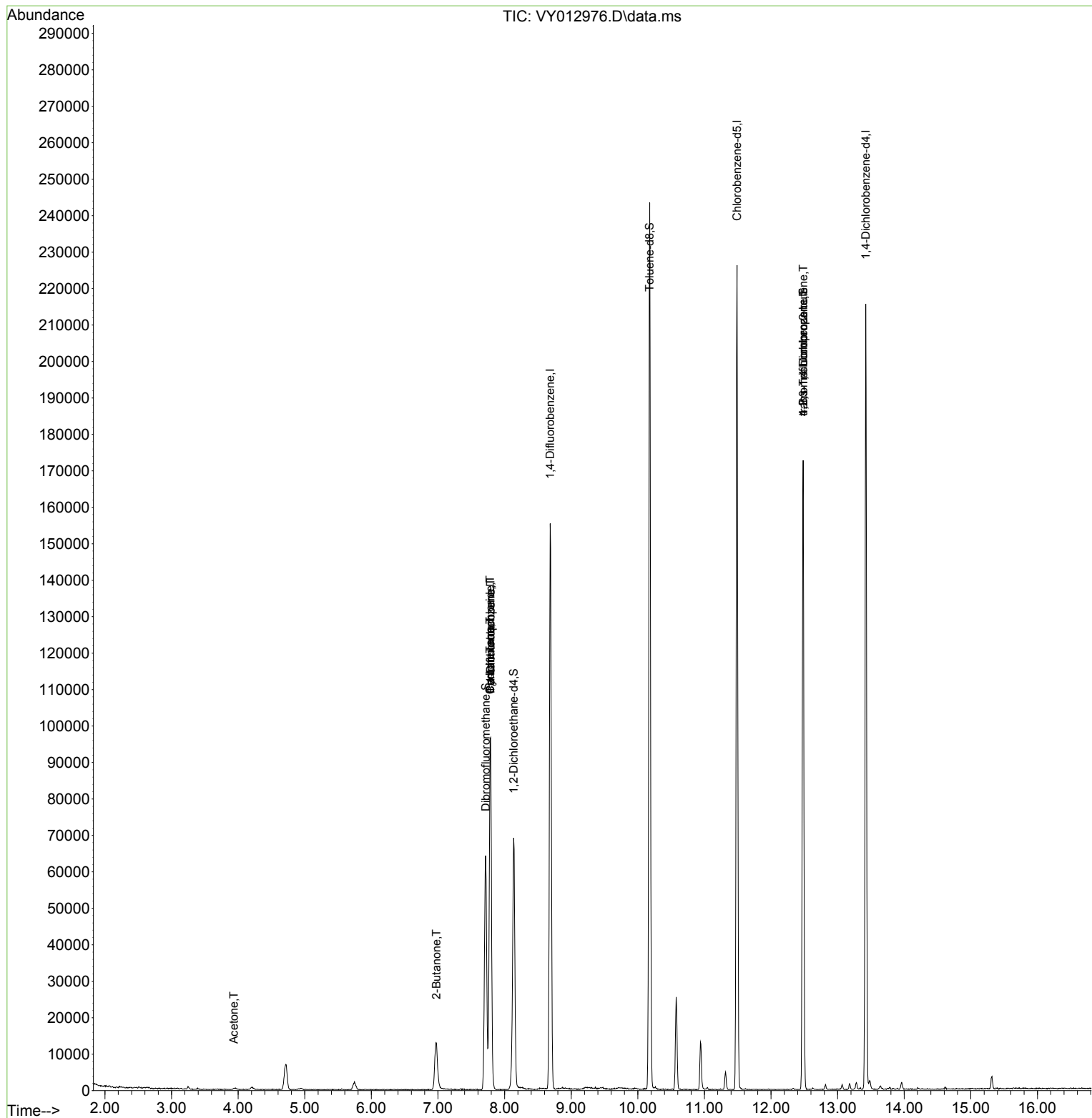
Internal Standards						
1) Pentafluorobenzene	7.789	168	78118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	130197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	118584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	53735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	50968	65.713	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.420%	
35) Dibromofluoromethane	7.716	113	44920	57.169	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.340%	
50) Toluene-d8	10.179	98	156380	54.440	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.880%	
62) 4-Bromofluorobenzene	12.483	95	47790	49.291	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.580%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	575	Below Cal	#	74
16) Acetone	3.936	43	423	1.389	ug/l	95
25) 2-Butanone	6.978	43	599	1.589	ug/l	# 49
31) Cyclohexane	7.783	56	1685	1.134	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	5918	4.494	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	7534	5.541	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	25680	40.020	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	25680	82.922	ug/l	# 13

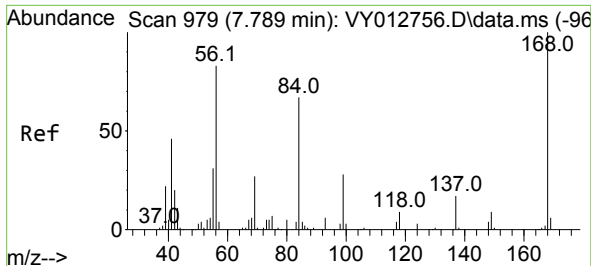
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

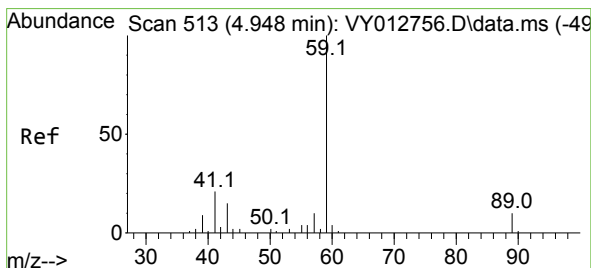
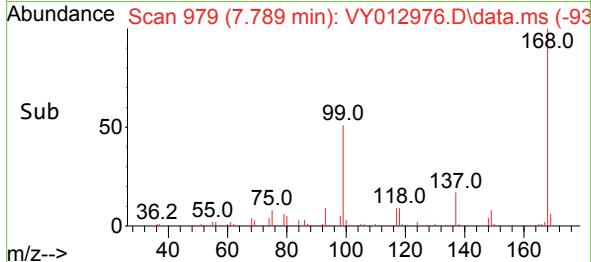
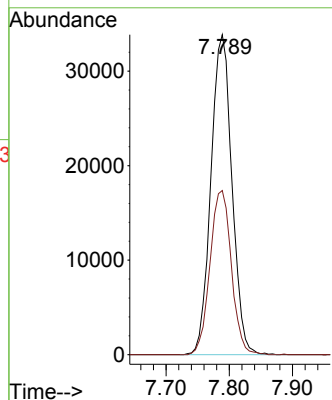
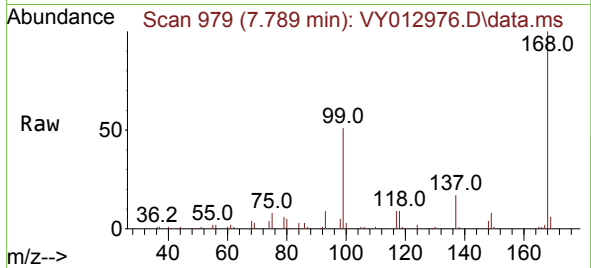




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012976.D
Acq: 16 Mar 2023 17:29

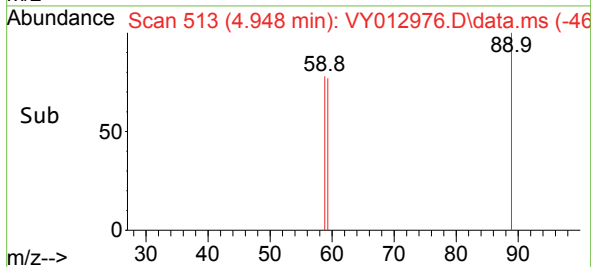
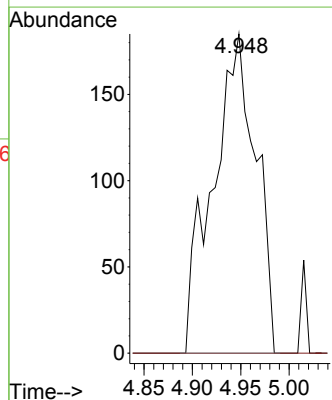
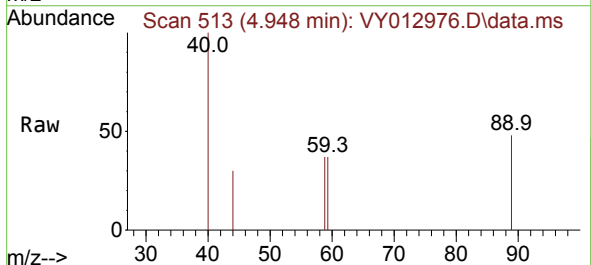
Instrument :
MSVOA_Y
ClientSampleId :
UNION-2

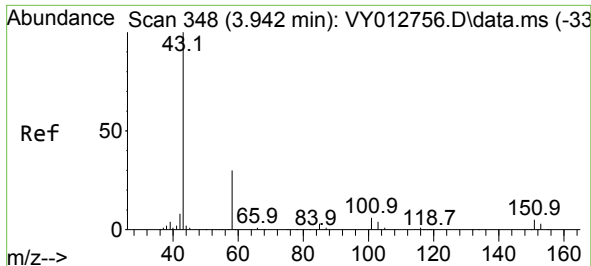
Tgt Ion:168 Resp: 78118
Ion Ratio Lower Upper
168 100
99 51.3 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY012976.D
Acq: 16 Mar 2023 17:29

Tgt Ion: 59 Resp: 575
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

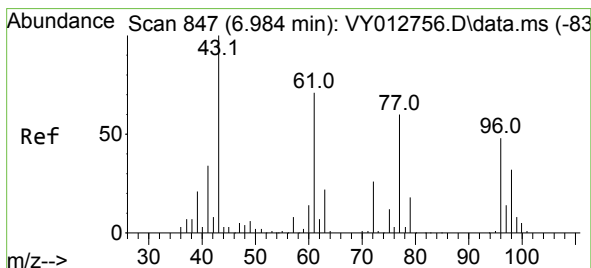
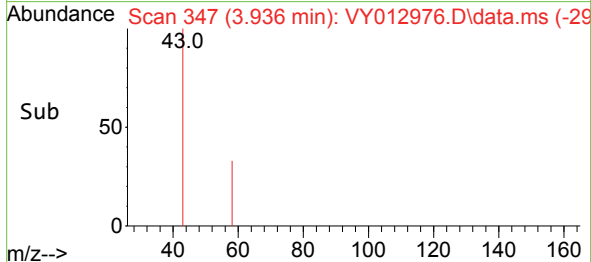
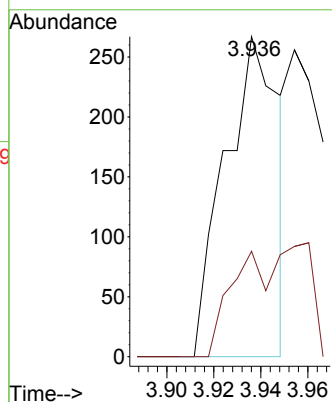
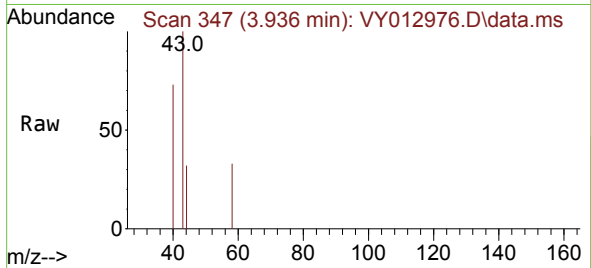




#16
Acetone
Concen: 1.389 ug/l
RT: 3.936 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY012976.D
Acq: 16 Mar 2023 17:29

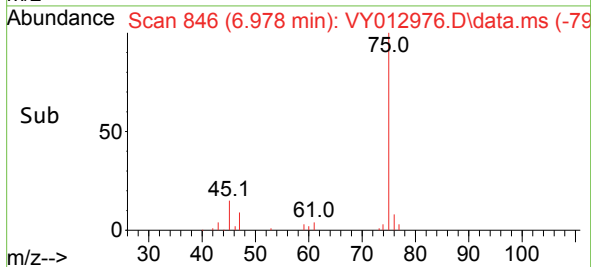
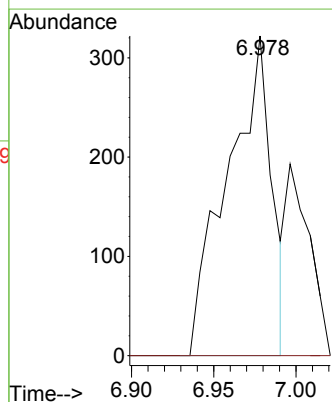
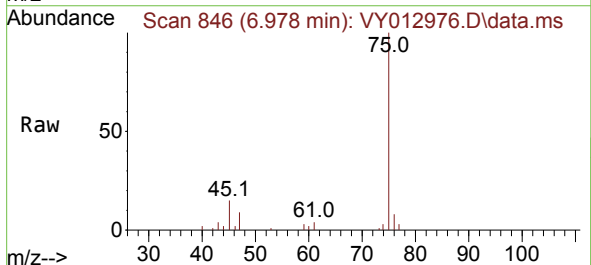
Instrument :
MSVOA_Y
ClientSampleId :
UNION-2

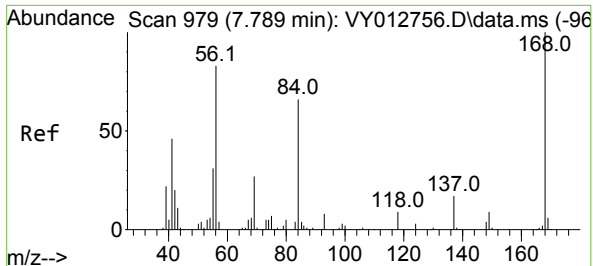
Tgt Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
58 33.0 24.2 36.2



#25
2-Butanone
Concen: 1.589 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012976.D
Acq: 16 Mar 2023 17:29

Tgt Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#

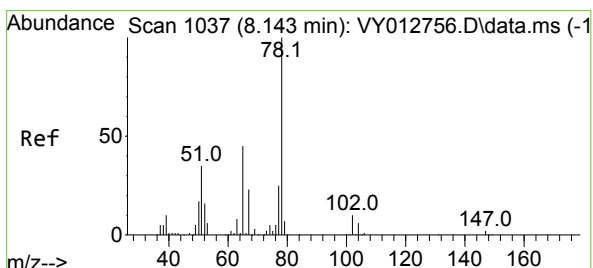
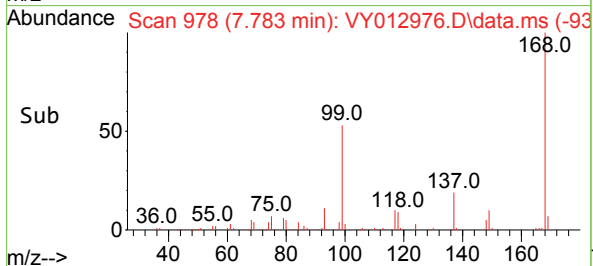
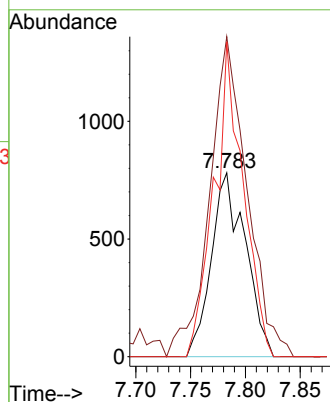
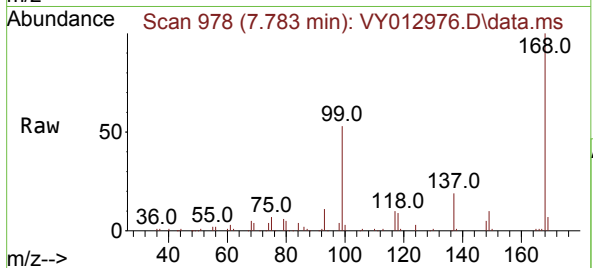




#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012976.D
Acq: 16 Mar 2023 17:29

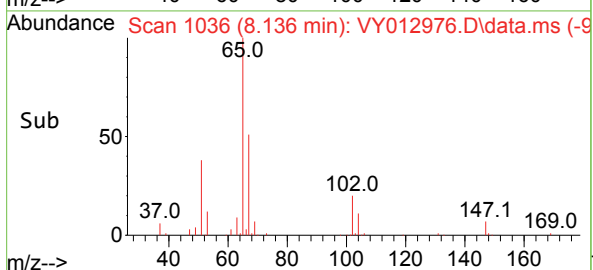
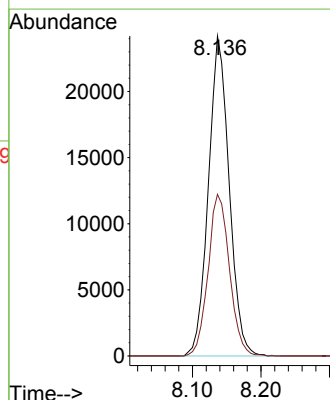
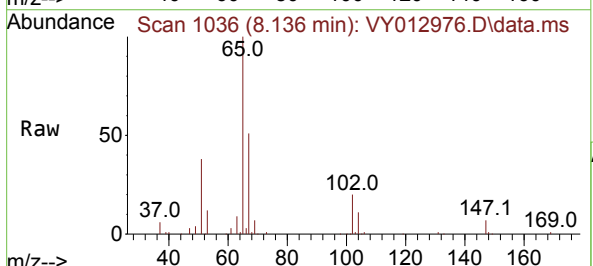
Instrument :
MSVOA_Y
ClientSampleId :
UNION-2

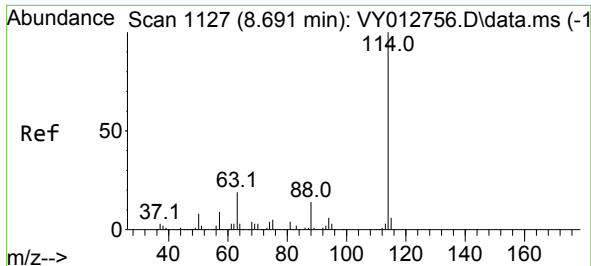
Tgt Ion: 56 Resp: 1685
Ion Ratio Lower Upper
56 100
69 165.2 25.7 38.5#
84 171.3 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 65.713 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012976.D
Acq: 16 Mar 2023 17:29

Tgt Ion: 65 Resp: 50968
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012976.D

Acq: 16 Mar 2023 17:29

Instrument :

MSVOA_Y

ClientSampleId :

UNION-2

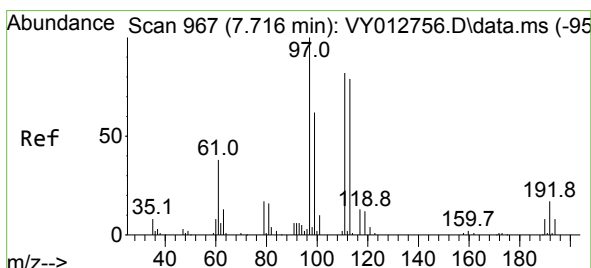
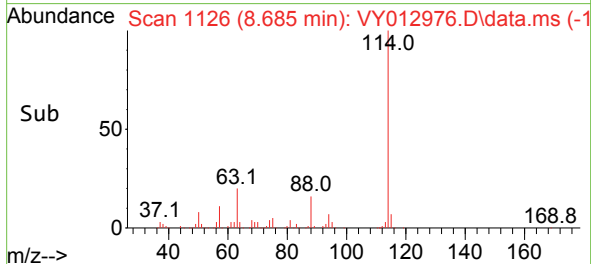
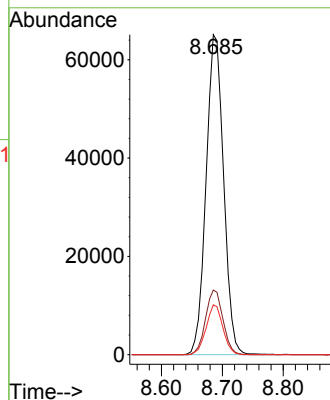
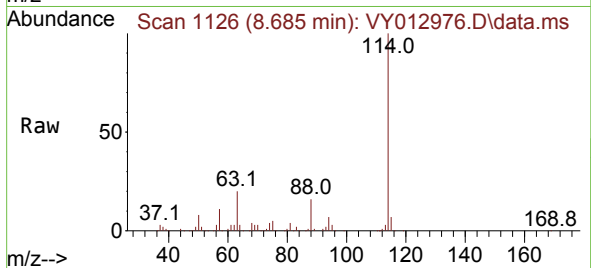
Tgt Ion:114 Resp: 130197

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 15.6 0.0 28.6



#35

Dibromofluoromethane

Concen: 57.169 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012976.D

Acq: 16 Mar 2023 17:29

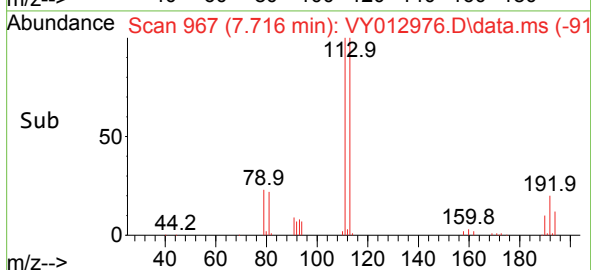
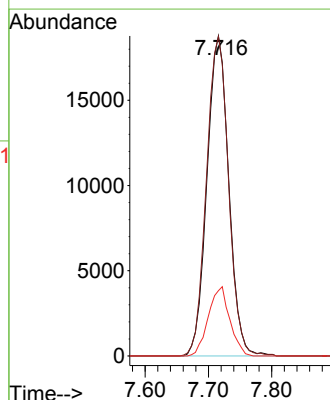
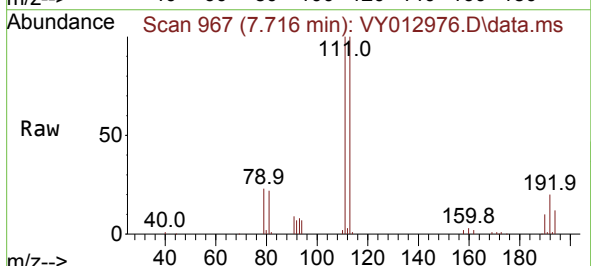
Tgt Ion:113 Resp: 44920

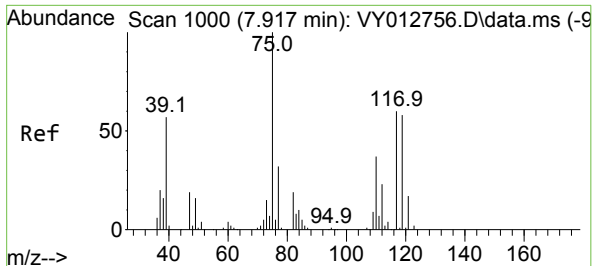
Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.2

192 21.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.494 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012976.D

Acq: 16 Mar 2023 17:29

Instrument :

MSVOA_Y

ClientSampleId :

UNION-2

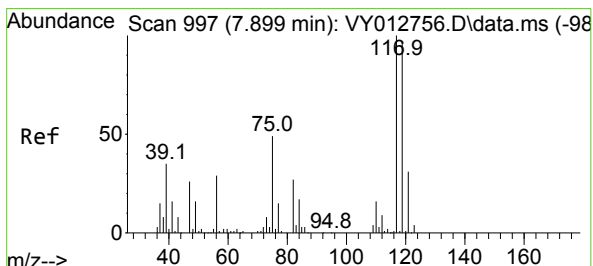
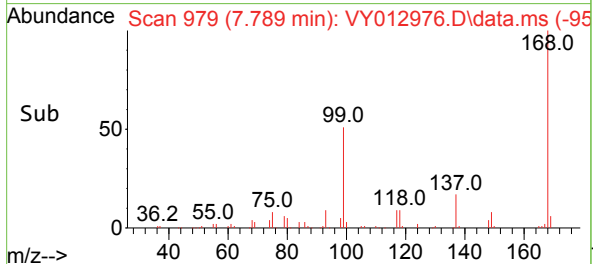
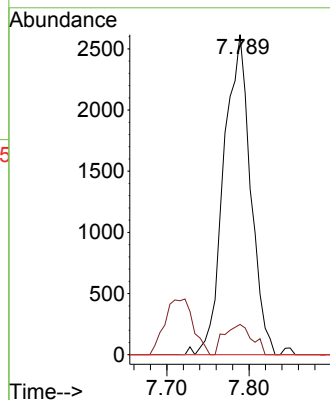
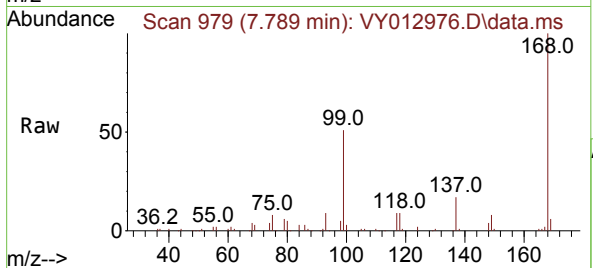
Tgt Ion: 75 Resp: 5918

Ion Ratio Lower Upper

75 100

110 9.9 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.541 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012976.D

Acq: 16 Mar 2023 17:29

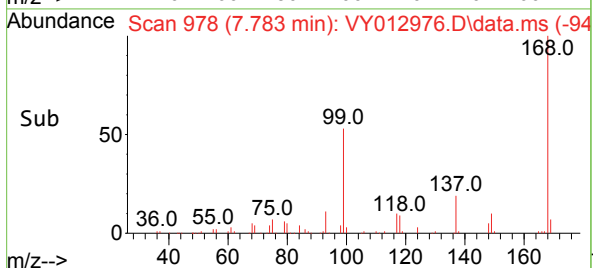
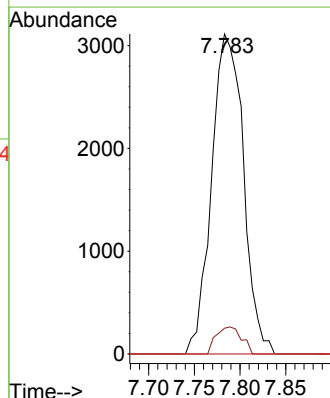
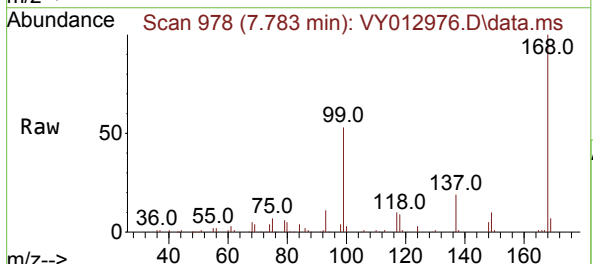
Tgt Ion: 117 Resp: 7534

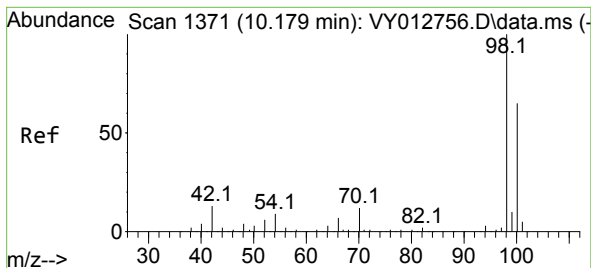
Ion Ratio Lower Upper

117 100

119 8.1 77.2 115.8#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 54.440 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012976.D

Acq: 16 Mar 2023 17:29

Instrument :

MSVOA_Y

ClientSampleId :

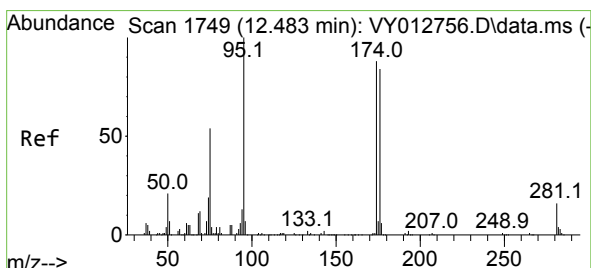
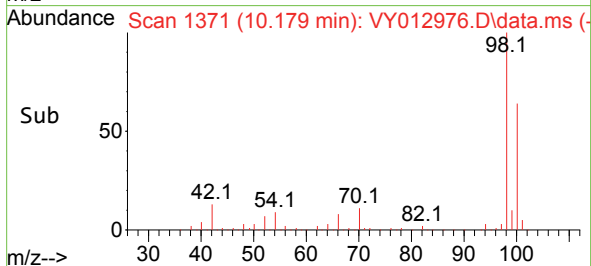
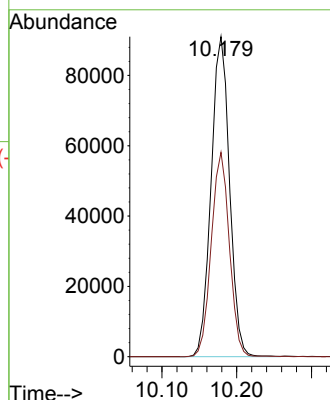
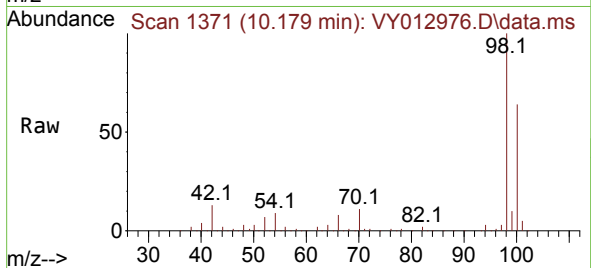
UNION-2

Tgt Ion: 98 Resp: 156380

Ion Ratio Lower Upper

98 100

100 62.7 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 49.291 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012976.D

Acq: 16 Mar 2023 17:29

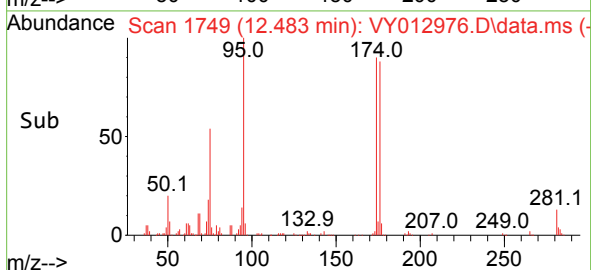
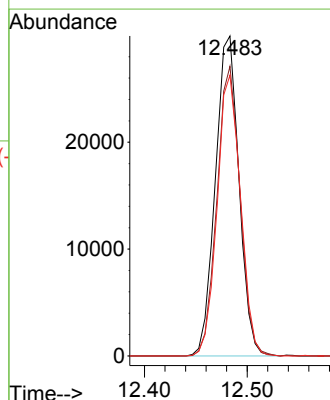
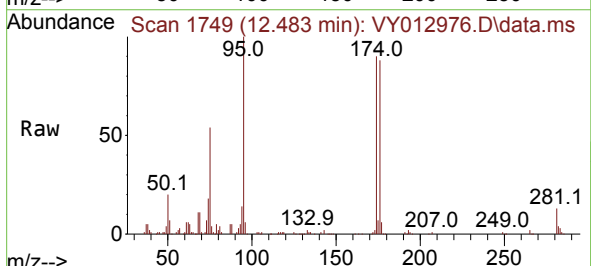
Tgt Ion: 95 Resp: 47790

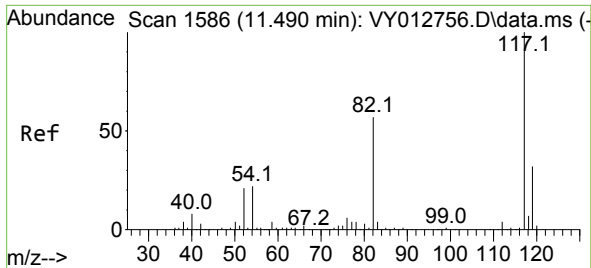
Ion Ratio Lower Upper

95 100

174 88.6 0.0 176.6

176 86.6 0.0 170.2

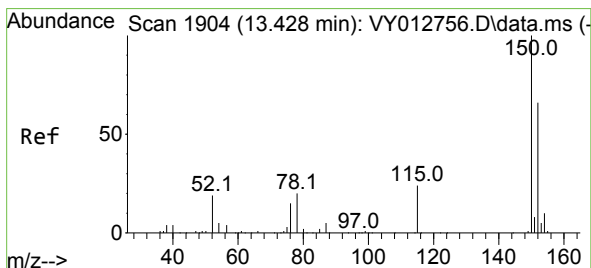
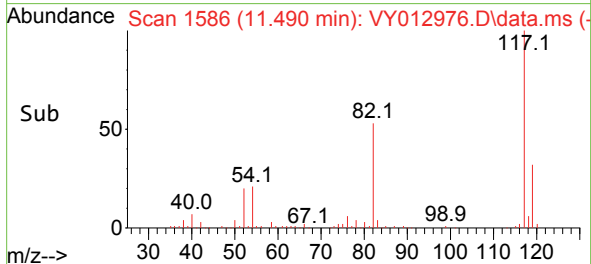
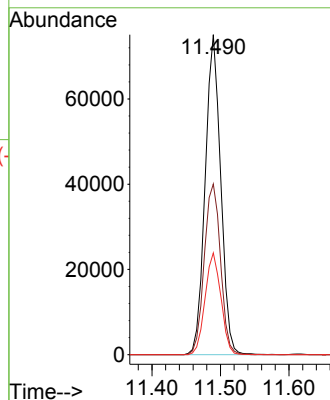
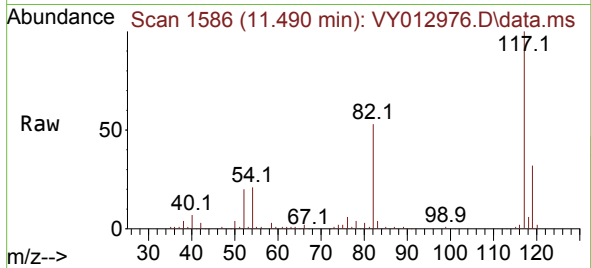




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012976.D
Acq: 16 Mar 2023 17:29

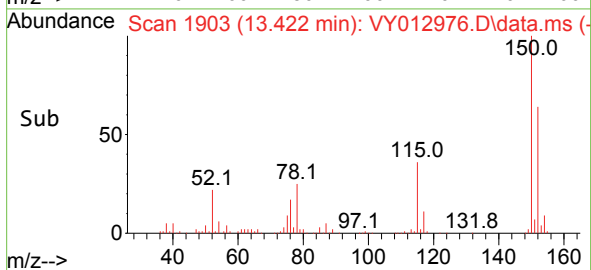
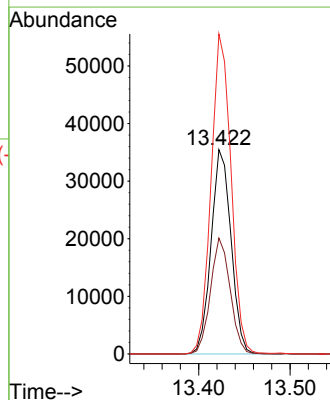
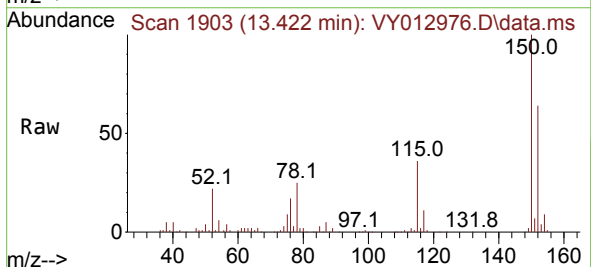
Instrument :
MSVOA_Y
ClientSampleId :
UNION-2

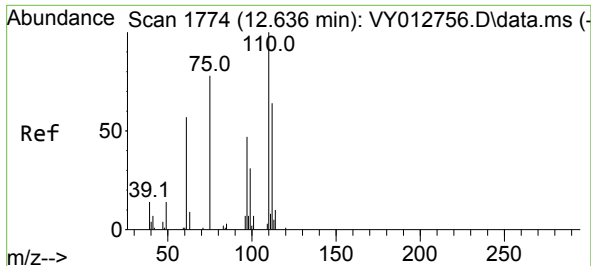
Tgt Ion:117 Resp: 118584
Ion Ratio Lower Upper
117 100
82 53.3 45.4 68.0
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012976.D
Acq: 16 Mar 2023 17:29

Tgt Ion:152 Resp: 53735
Ion Ratio Lower Upper
152 100
115 56.0 27.1 81.3
150 156.8 0.0 347.8

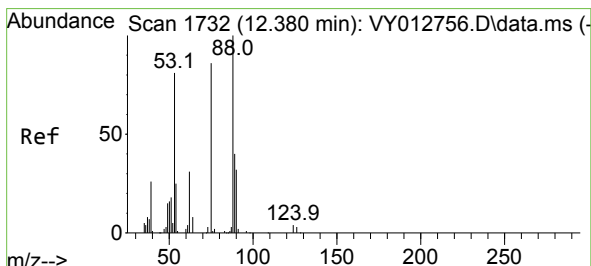
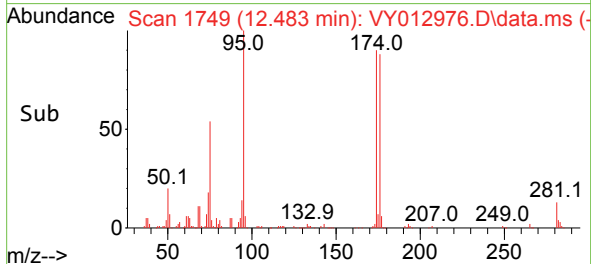
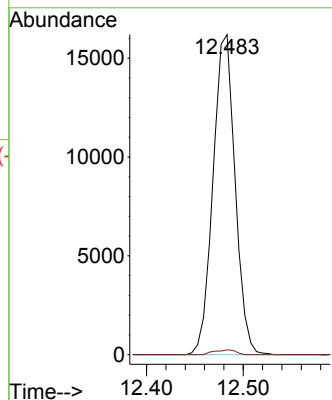
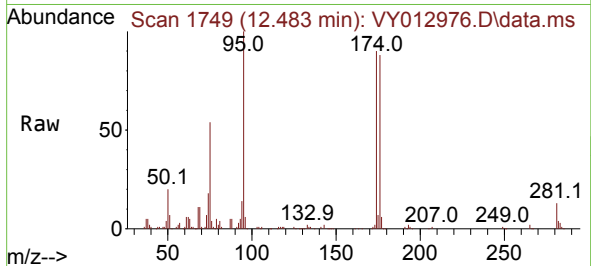




#76
1,2,3-Trichloropropane
Concen: 40.020 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012976.D
Acq: 16 Mar 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :
UNION-2

Tgt Ion: 75 Resp: 25680
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.922 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012976.D
Acq: 16 Mar 2023 17:29

Tgt Ion: 75 Resp: 25680
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

