

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013023\
 Data File : VY012396.D
 Acq On : 30 Jan 2023 14:37
 Operator : KP/MD
 Sample : 01363-01
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-WC

Quant Time: Jan 31 01:48:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

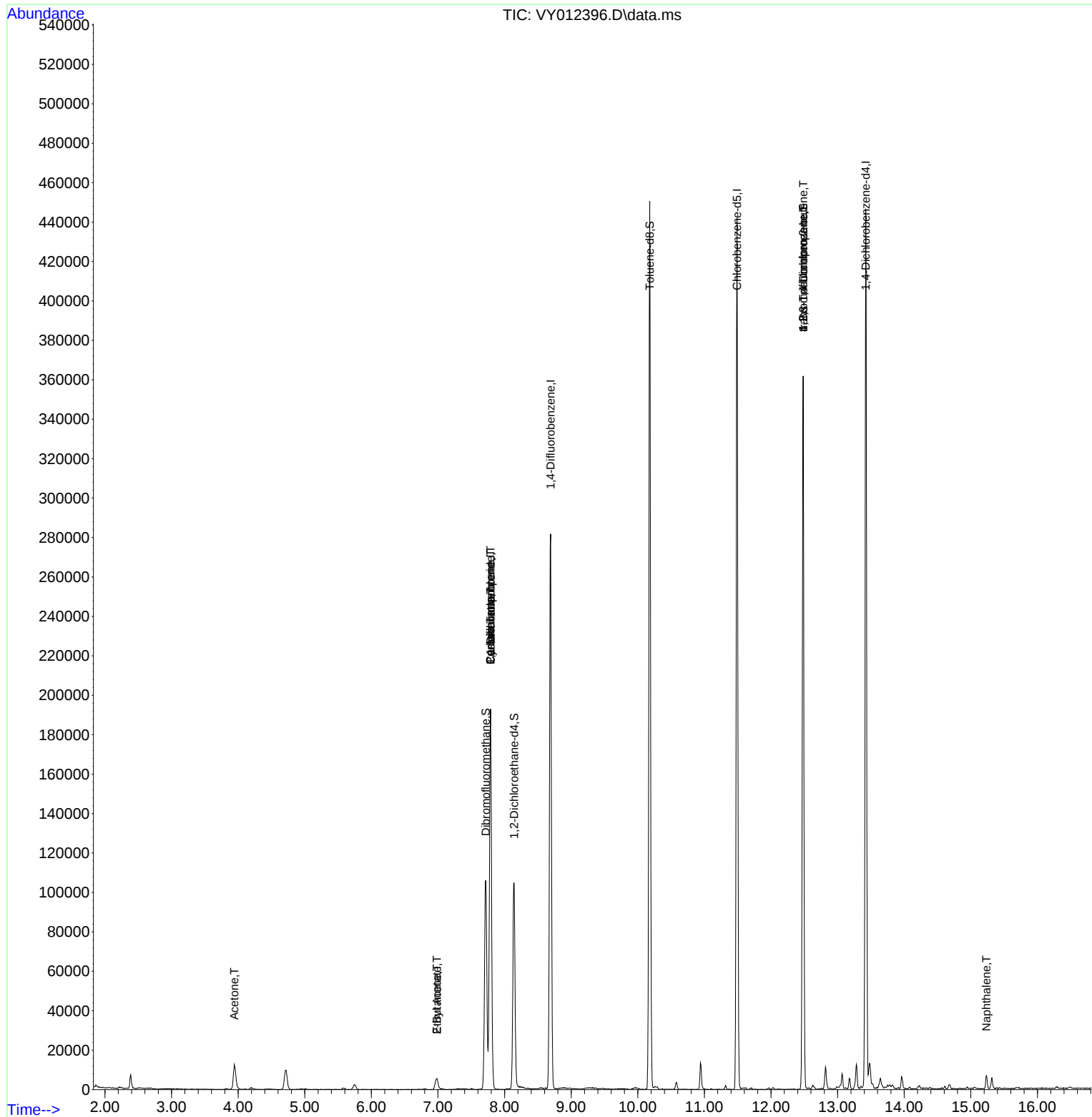
Internal Standards						
1) Pentafluorobenzene	7.789	168	148422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	250425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	245977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	121360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	91115	76.116	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 152.240%	
35) Dibromofluoromethane	7.716	113	74034	55.833	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.660%	
50) Toluene-d8	10.179	98	298717	66.443	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 132.880%	
62) 4-Bromofluorobenzene	12.483	95	101632	54.370	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.740%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.960	59	901	Below Cal	#	74
13) Acrolein	3.723	56	19	Below Cal	#	65
16) Acetone	3.942	43	21380	51.731	ug/l	91
20) Methylene Chloride	4.710	84	8279	Below Cal	#	85
25) 2-Butanone	6.984	43	3905	8.559	ug/l	93
31) Cyclohexane	7.789	56	2680	1.238	ug/l #	9
36) 1,1-Dichloropropene	7.789	75	10030	4.451	ug/l #	50
37) Ethyl Acetate	6.984	43	3905	3.931	ug/l #	70
38) Carbon Tetrachloride	7.789	117	14986	5.149	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	54720	49.034	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	54720	101.033	ug/l #	13
95) Naphthalene	15.233	128	6517	1.379	ug/l	99

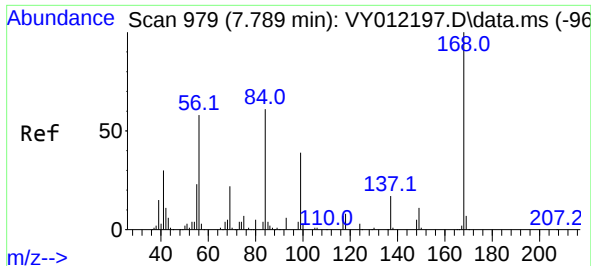
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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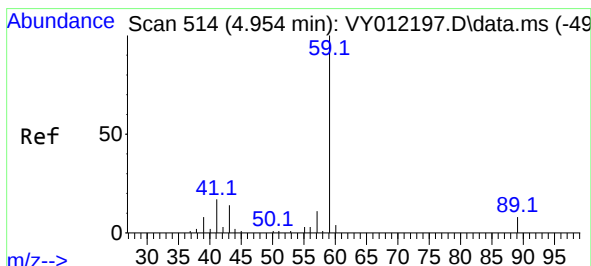
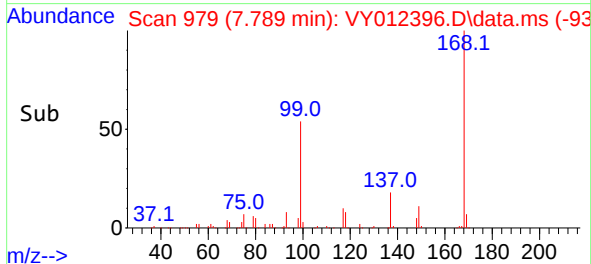
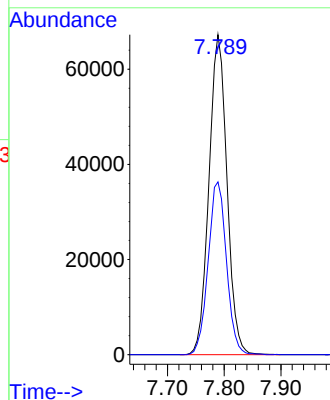
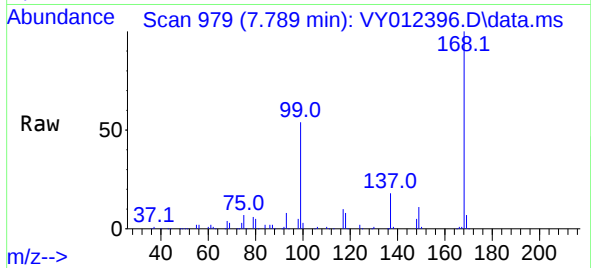




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

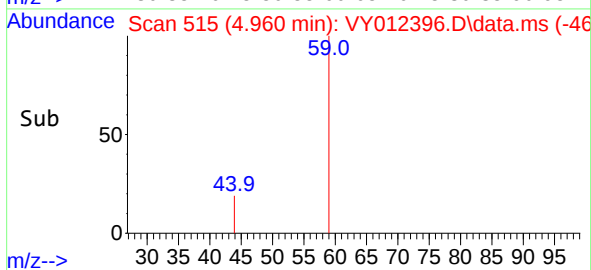
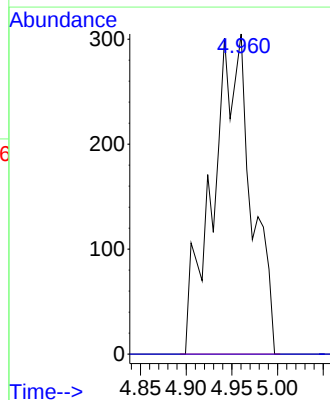
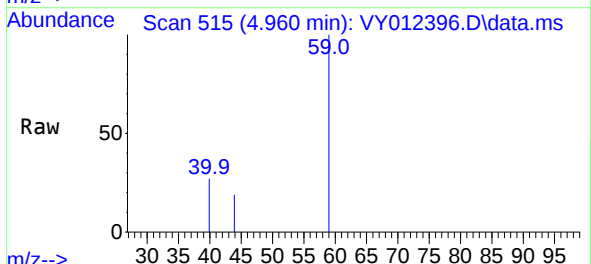
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-WC

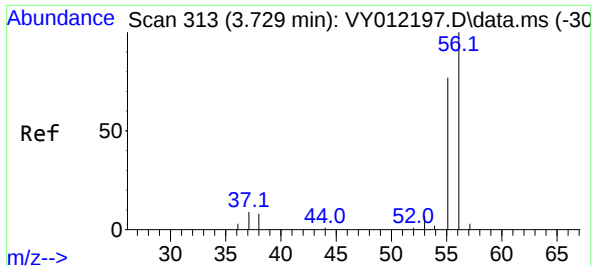
Tgt Ion:168 Resp: 148422
Ion Ratio Lower Upper
168 100
99 54.0 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

Tgt Ion: 59 Resp: 901
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

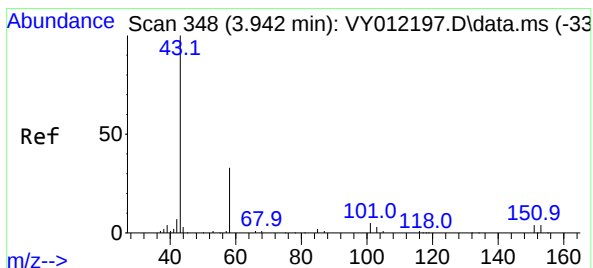
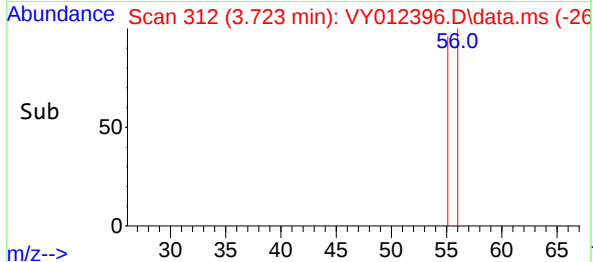
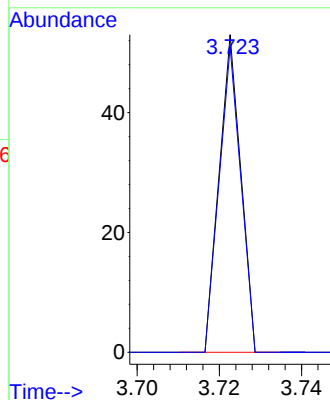
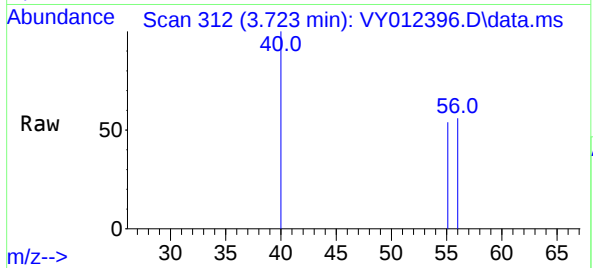




#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 313
Delta R.T. -0.006 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

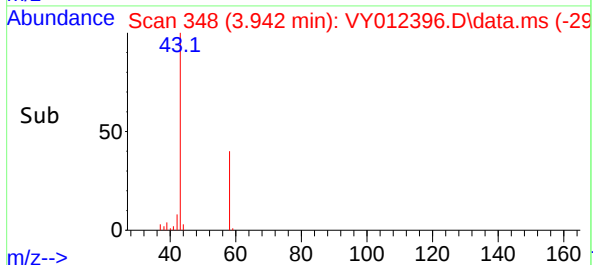
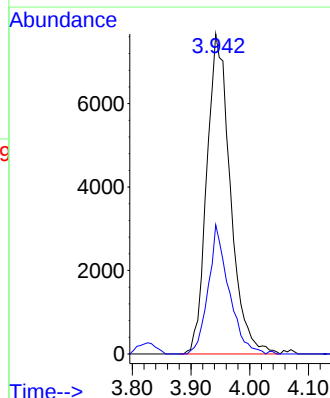
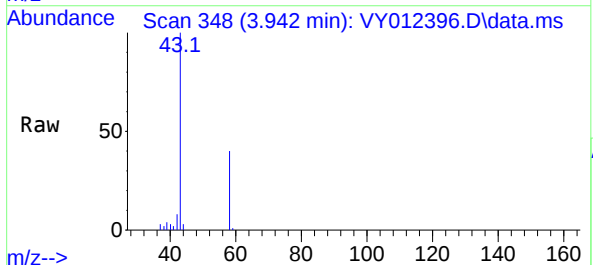
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-WC

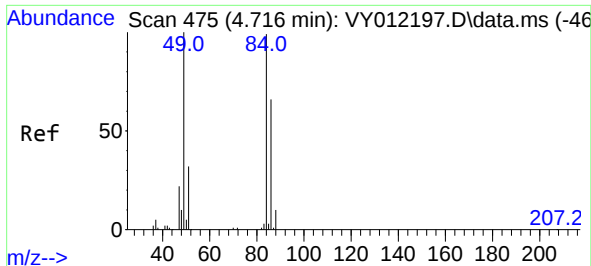
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 100.0 56.6 85.0#



#16
Acetone
Concen: 51.731 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

Tgt Ion: 43 Resp: 21380
Ion Ratio Lower Upper
43 100
58 40.3 27.9 41.9

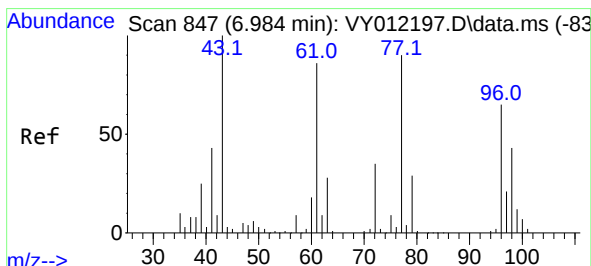
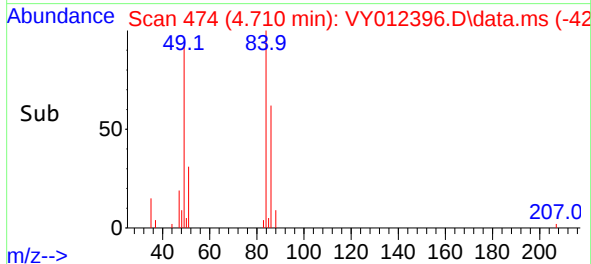
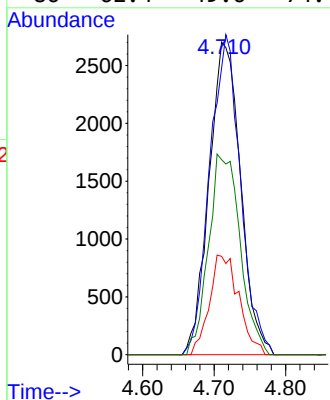
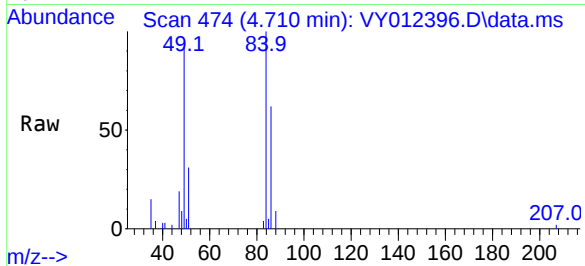




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

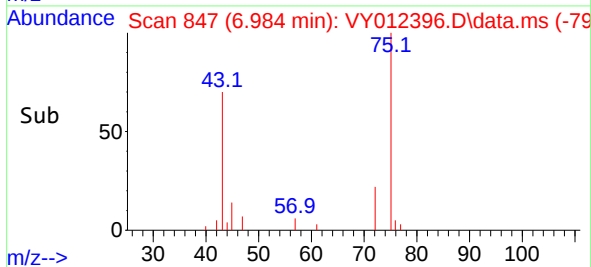
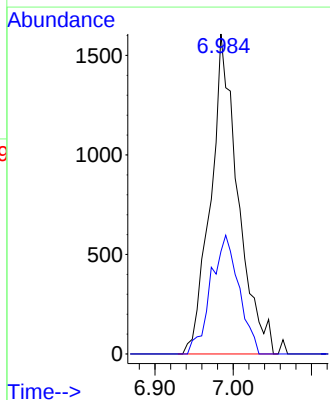
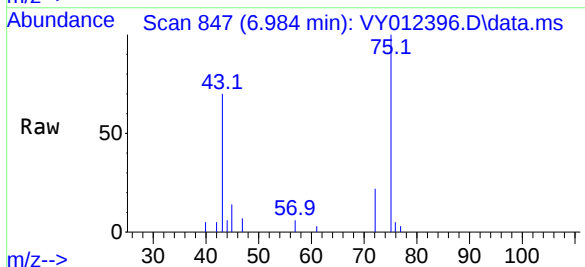
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-WC

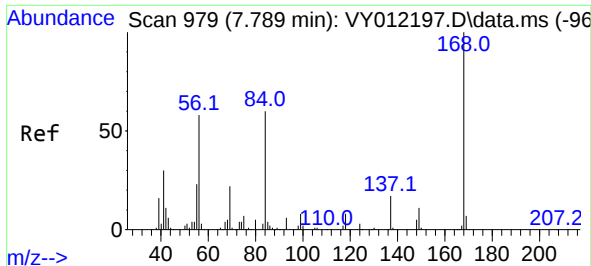
Tgt Ion: 84 Resp: 8279
Ion Ratio Lower Upper
84 100
49 91.6 95.4 143.2#
51 31.5 29.9 44.9
86 62.4 49.6 74.4



#25
2-Butanone
Concen: 8.559 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

Tgt Ion: 43 Resp: 3905
Ion Ratio Lower Upper
43 100
72 32.0 22.6 34.0

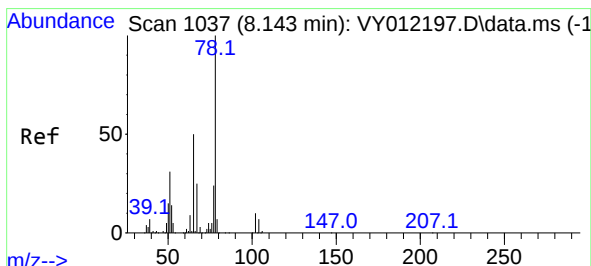
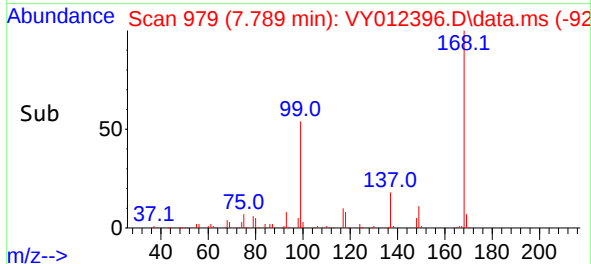
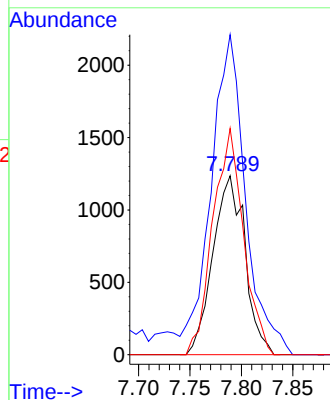
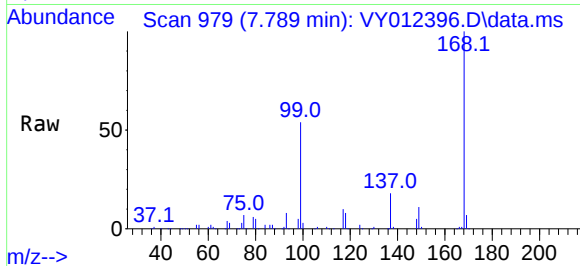




#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

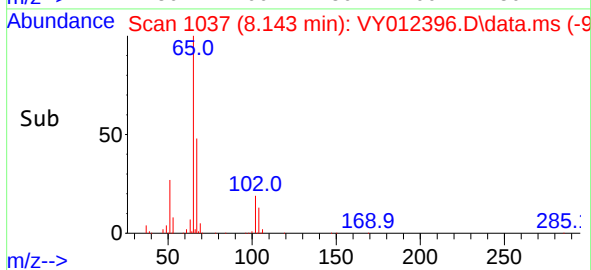
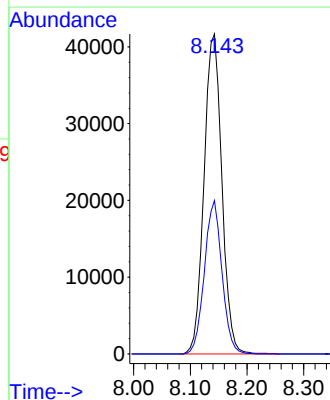
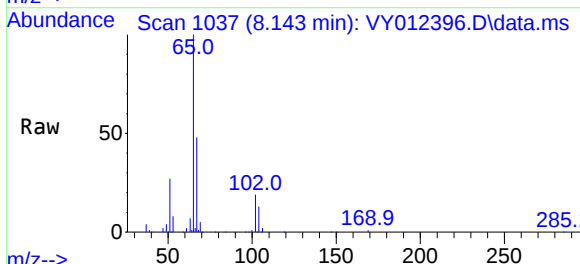
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-WC

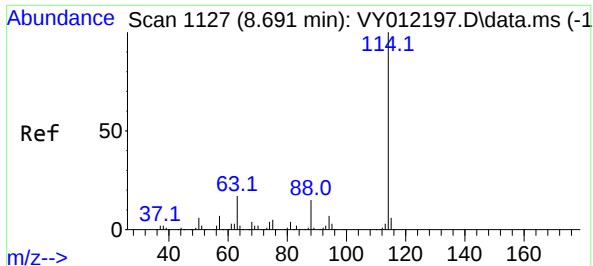
Tgt Ion: 56 Resp: 2680
Ion Ratio Lower Upper
56 100
69 168.7 29.2 43.8#
84 126.5 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 76.116 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

Tgt Ion: 65 Resp: 91115
Ion Ratio Lower Upper
65 100
67 47.2 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012396.D

Acq: 30 Jan 2023 14:37

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-WC

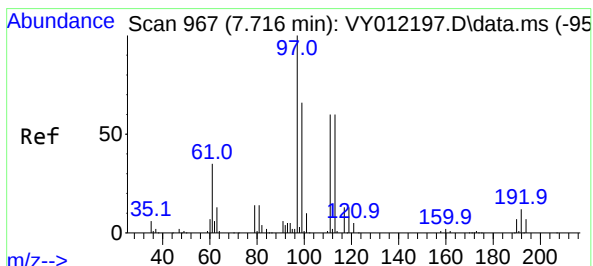
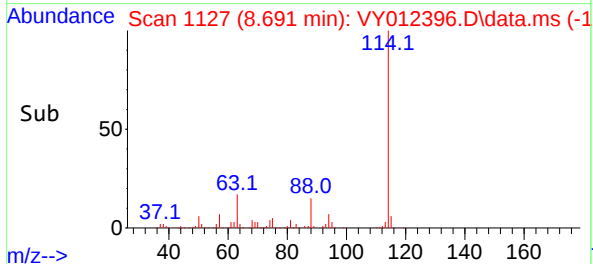
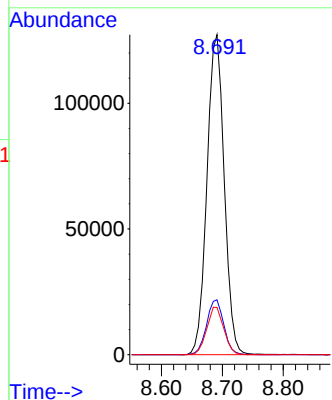
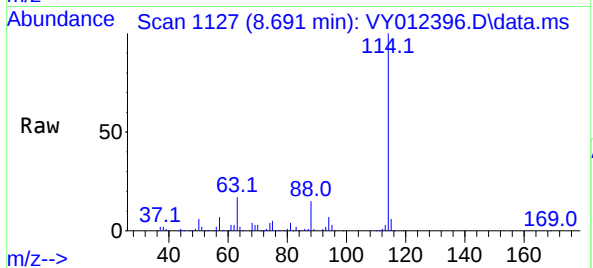
Tgt Ion:114 Resp: 250425

Ion Ratio Lower Upper

114 100

63 17.2 0.0 39.6

88 14.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 55.833 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012396.D

Acq: 30 Jan 2023 14:37

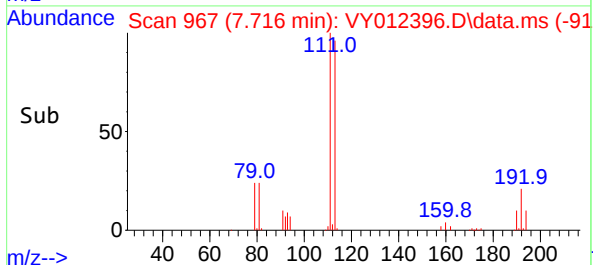
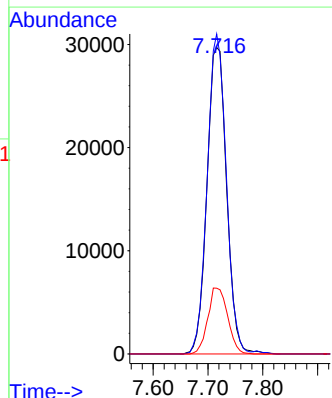
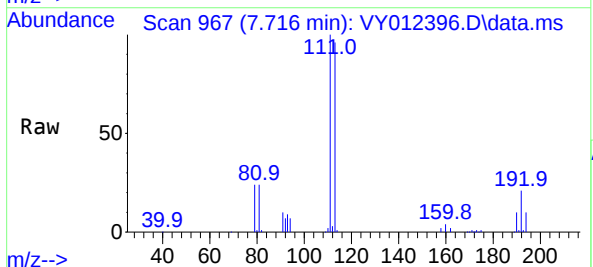
Tgt Ion:113 Resp: 74034

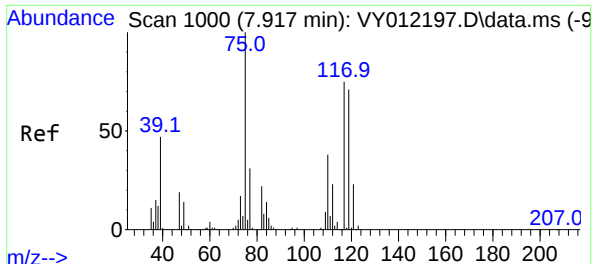
Ion Ratio Lower Upper

113 100

111 101.0 83.0 124.4

192 21.7 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.451 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012396.D

Acq: 30 Jan 2023 14:37

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-WC

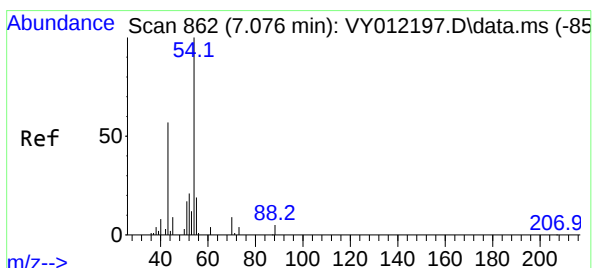
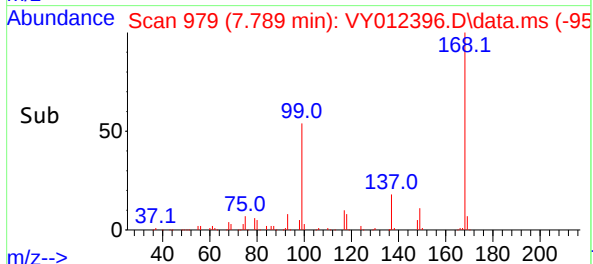
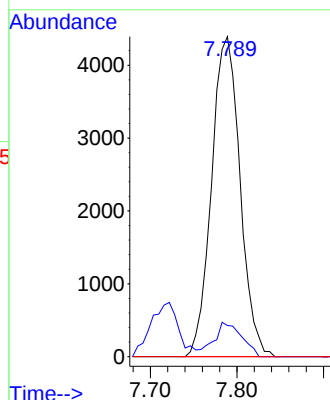
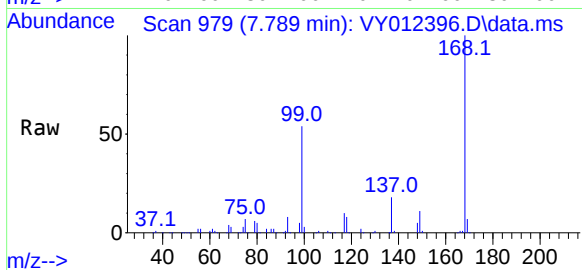
Tgt Ion: 75 Resp: 10030

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.1#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 3.931 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.092 min

Lab File: VY012396.D

Acq: 30 Jan 2023 14:37

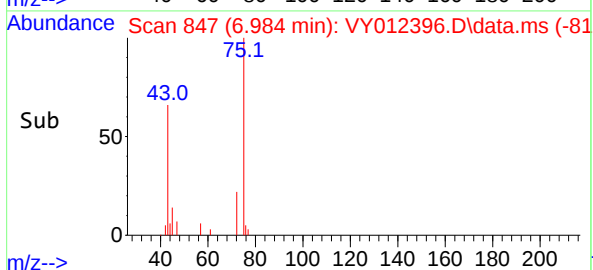
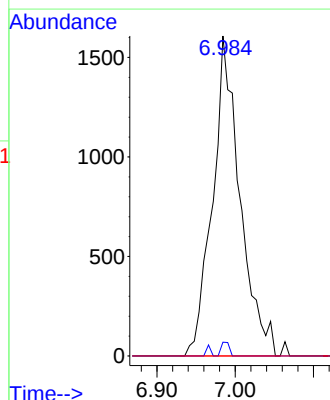
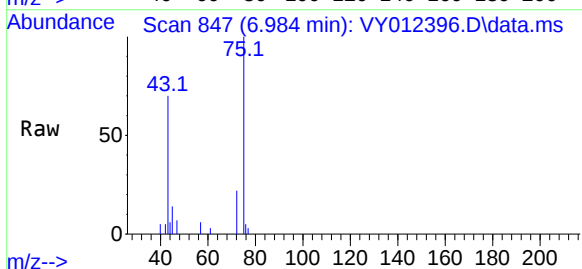
Tgt Ion: 43 Resp: 3905

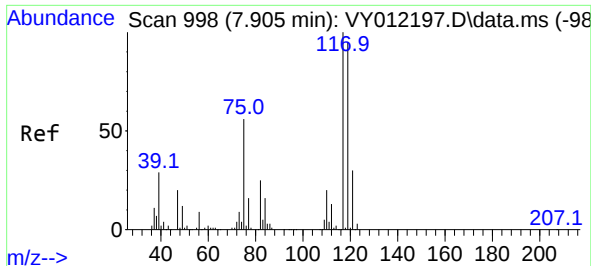
Ion Ratio Lower Upper

43 100

61 1.3 11.3 16.9#

70 0.0 8.2 12.4#

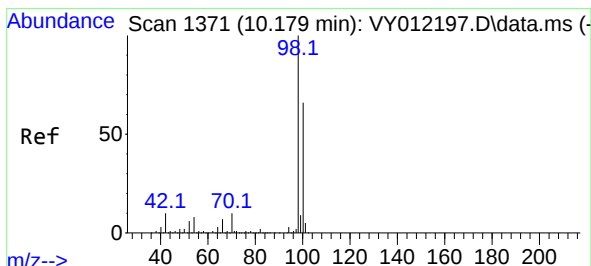
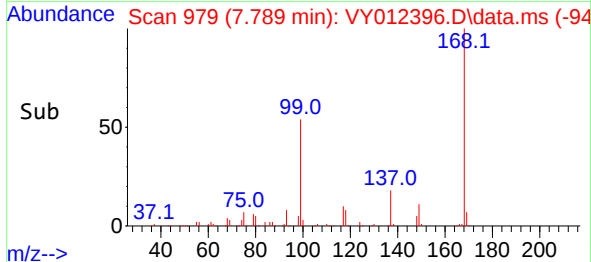
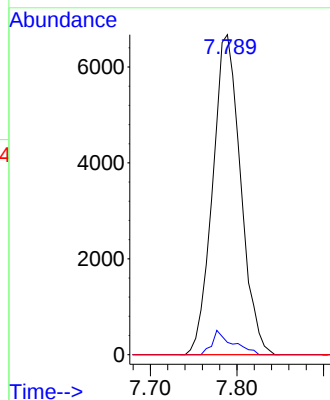
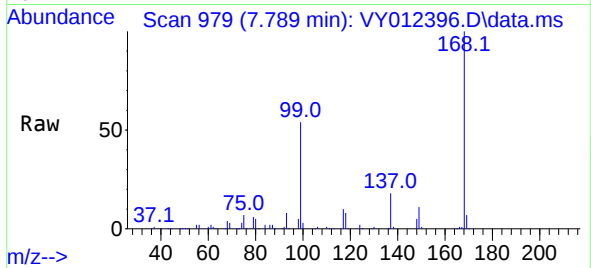




#38
Carbon Tetrachloride
Concen: 5.149 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

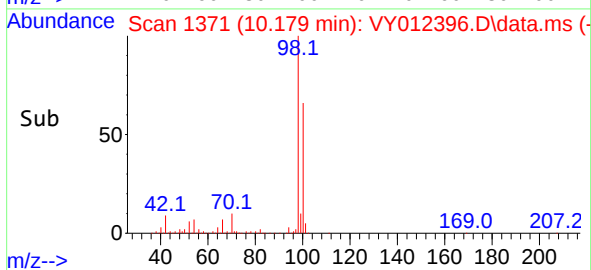
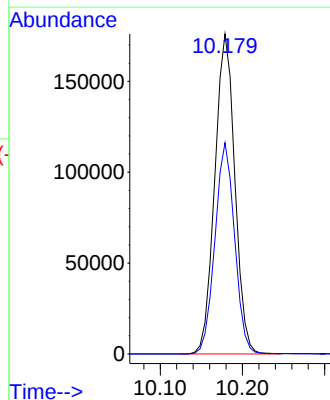
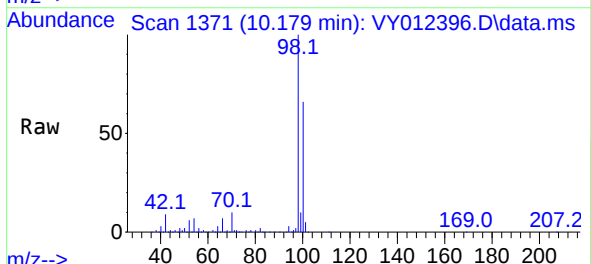
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-WC

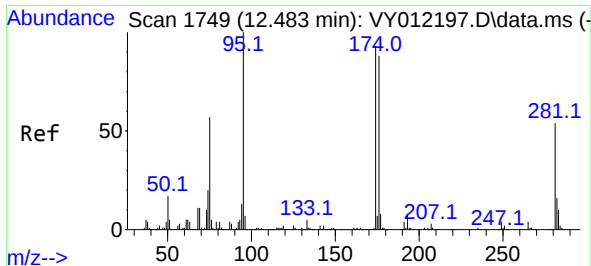
Tgt Ion:117 Resp: 14986
Ion Ratio Lower Upper
117 100
119 3.9 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 66.443 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

Tgt Ion: 98 Resp: 298717
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

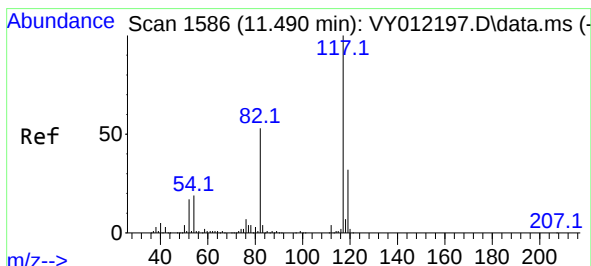
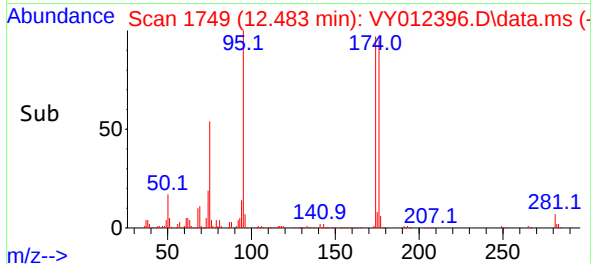
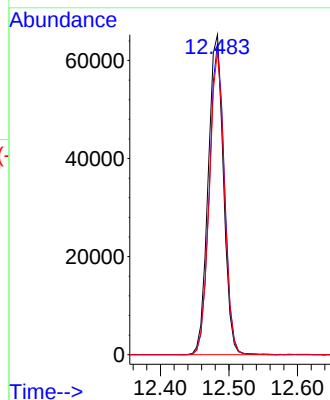
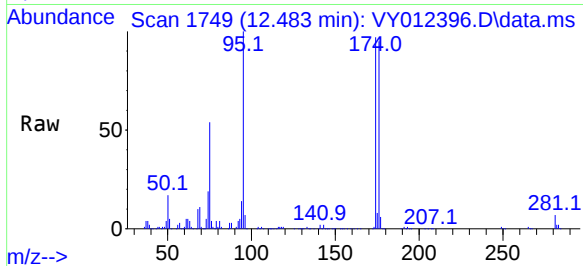




#62
4-Bromofluorobenzene
Concen: 54.370 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

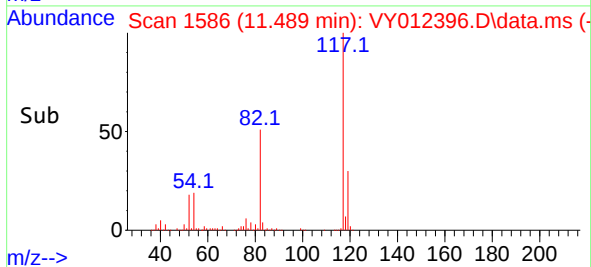
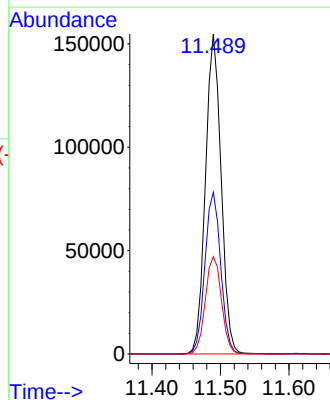
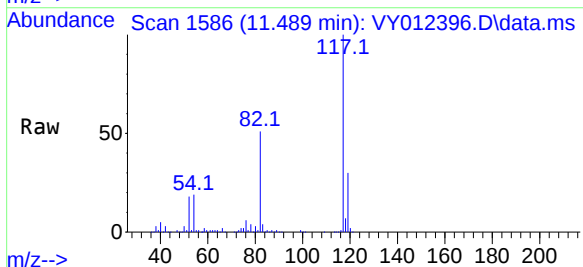
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-WC

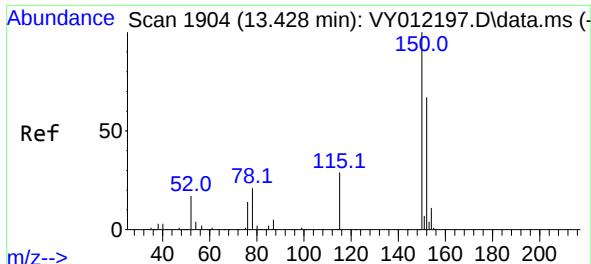
Tgt Ion: 95 Resp: 101632
Ion Ratio Lower Upper
95 100
174 95.6 0.0 172.0
176 93.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

Tgt Ion: 117 Resp: 245977
Ion Ratio Lower Upper
117 100
82 50.5 44.8 67.2
119 30.4 25.4 38.2

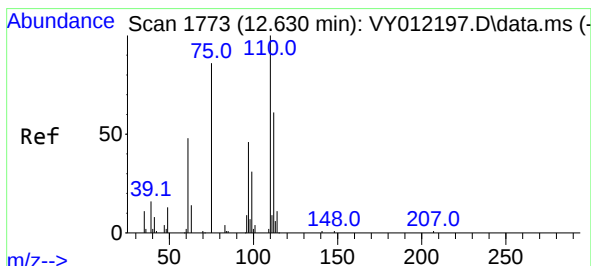
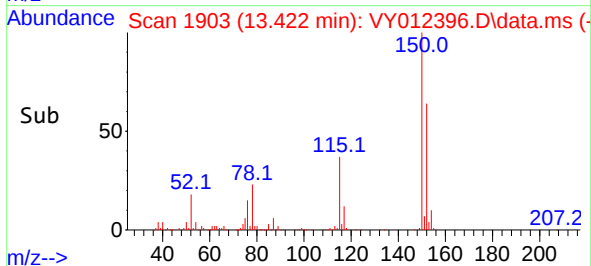
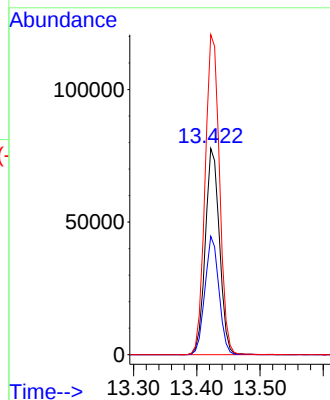
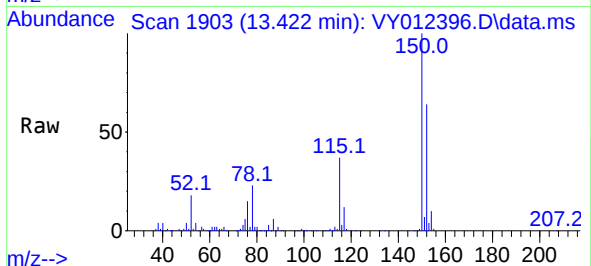




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

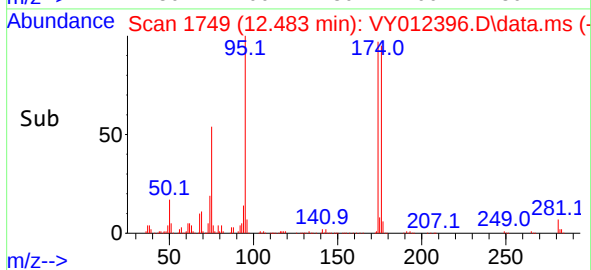
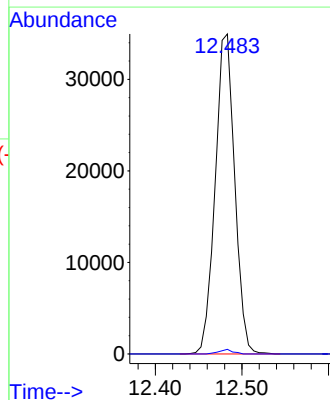
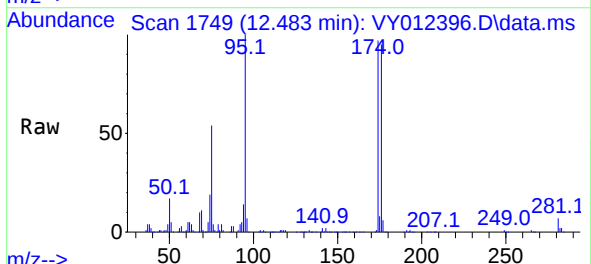
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-WC

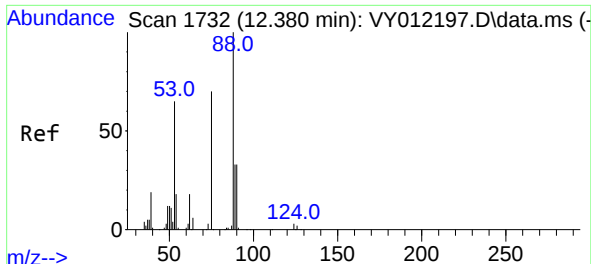
Tgt Ion:152 Resp: 121360
Ion Ratio Lower Upper
152 100
115 56.7 29.1 87.3
150 157.7 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 49.034 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

Tgt Ion: 75 Resp: 54720
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

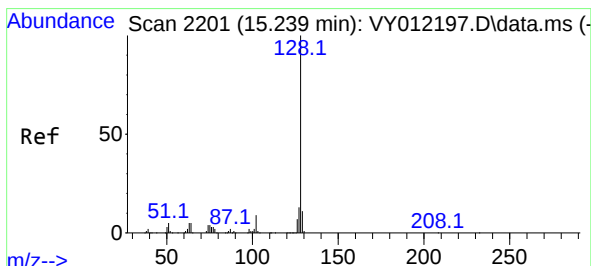
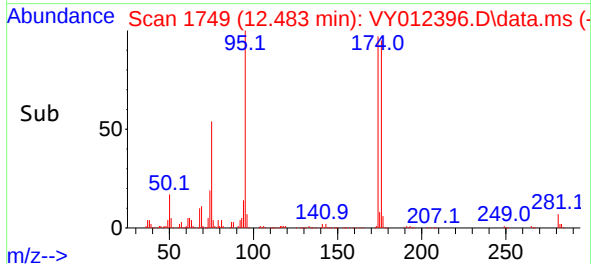
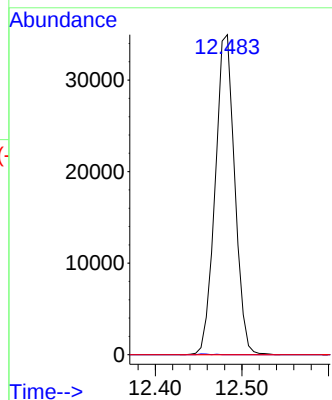
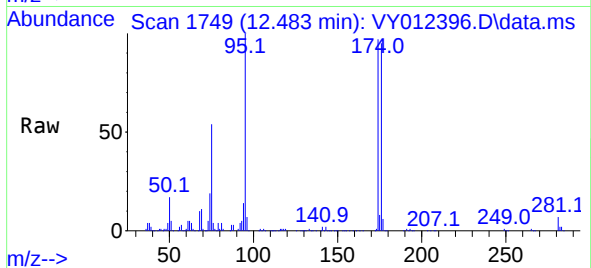




#81
trans-1,4-Dichloro-2-butene
Concen: 101.033 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-WC

Tgt Ion: 75 Resp: 54720
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 1.379 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY012396.D
Acq: 30 Jan 2023 14:37

Tgt Ion:128 Resp: 6517
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.2
129 10.6 8.8 13.2

