

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014306.D
 Acq On : 21 Jun 2023 01:16
 Operator : KP/MD
 Sample : 03321-10
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-22

Quant Time: Jun 21 02:12:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

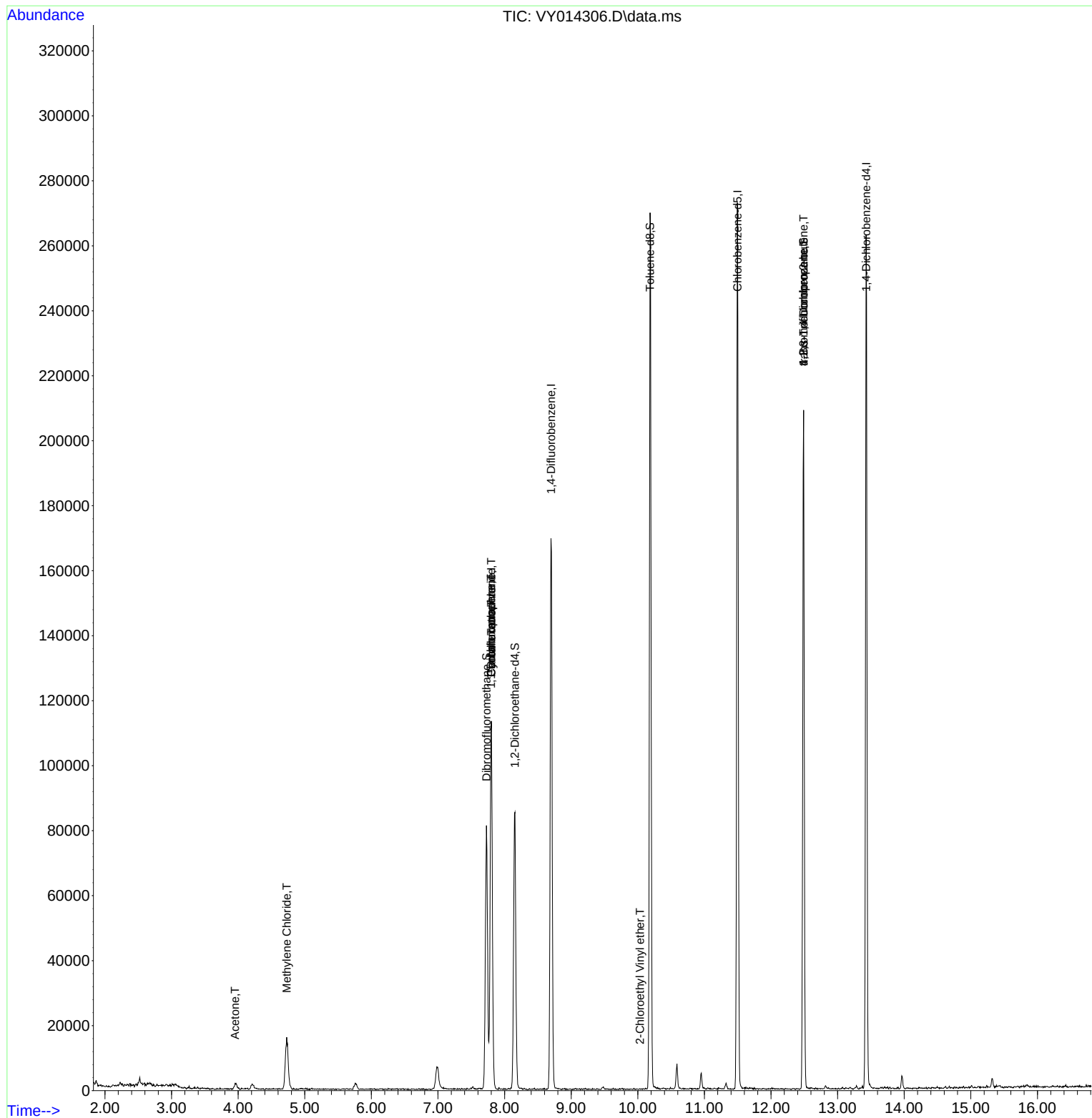
Internal Standards						
1) Pentafluorobenzene	7.801	168	89363	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	145969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	148914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	74104	59.550	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.100%	
35) Dibromofluoromethane	7.728	113	53564	51.744	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.480%	
50) Toluene-d8	10.185	98	177040	45.745	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.500%	
62) 4-Bromofluorobenzene	12.489	95	59398	43.205	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.420%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.985	59	42	Below Cal	#	89
13) Acrolein	3.729	56	20	Below Cal	#	14
16) Acetone	3.954	43	3292	8.776	ug/l	98
20) Methylene Chloride	4.728	84	11500	6.483	ug/l	93
31) Cyclohexane	7.801	56	1956	1.173	ug/l #	12
36) 1,1-Dichloropropene	7.795	75	6456	4.000	ug/l #	51
38) Carbon Tetrachloride	7.801	117	8634	4.636	ug/l #	18
58) 2-Chloroethyl Vinyl ether	10.032	63	20	28.648	ug/l #	48
76) 1,2,3-Trichloropropane	12.489	75	31808	35.448	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	31808	76.624	ug/l #	11

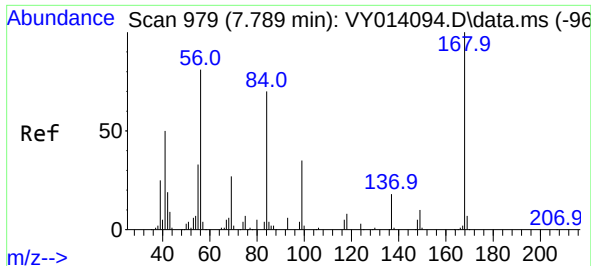
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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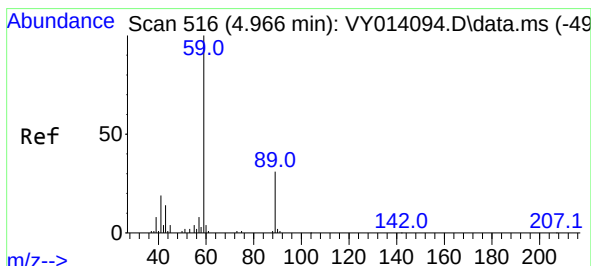
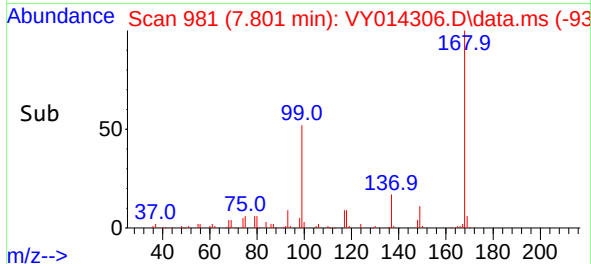
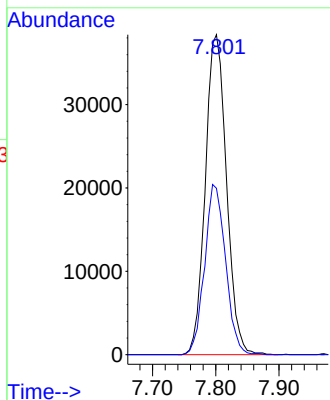
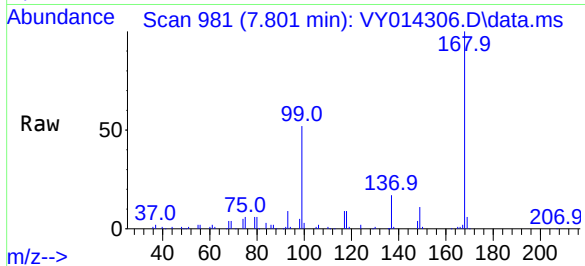




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014306.D
Acq: 21 Jun 2023 01:16

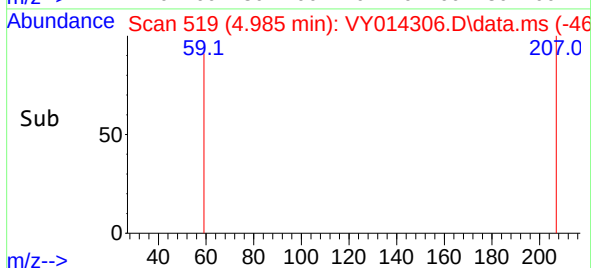
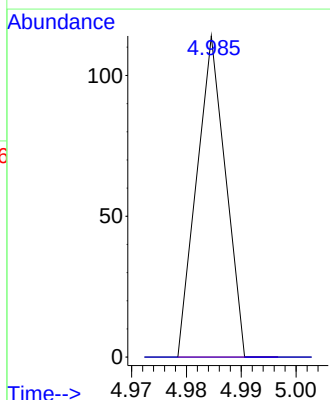
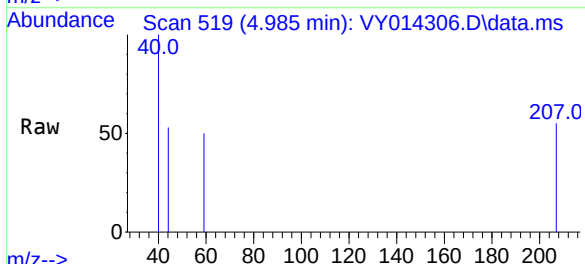
Instrument :
MSVOA_Y
ClientSampleId :
WC-22

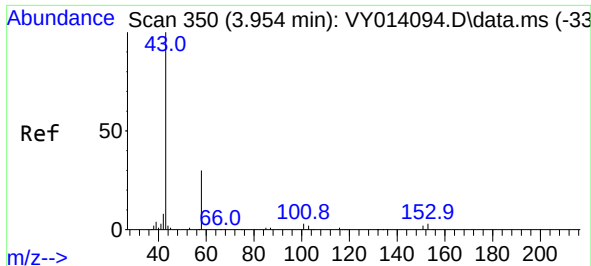
Tgt Ion:168 Resp: 89363
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.985 min Scan# 519
Delta R.T. 0.019 min
Lab File: VY014306.D
Acq: 21 Jun 2023 01:16

Tgt Ion: 59 Resp: 42
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

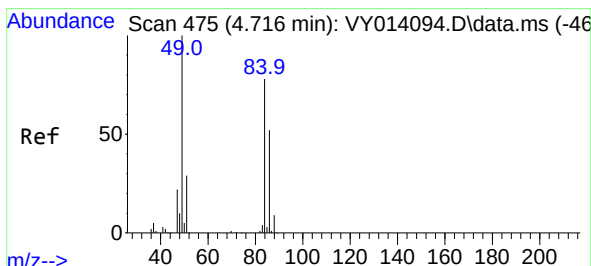
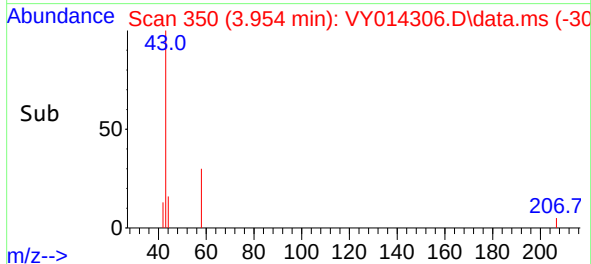
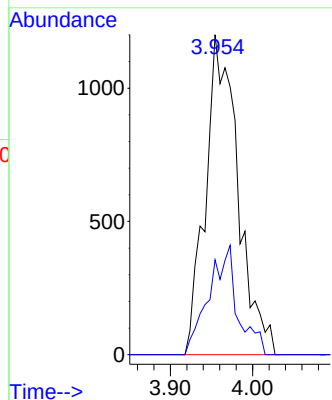
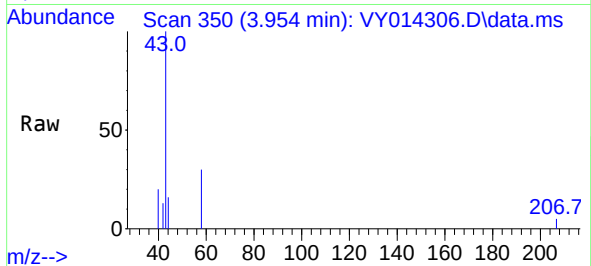




#16
Acetone
Concen: 8.776 ug/l
RT: 3.954 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY014306.D
Acq: 21 Jun 2023 01:16

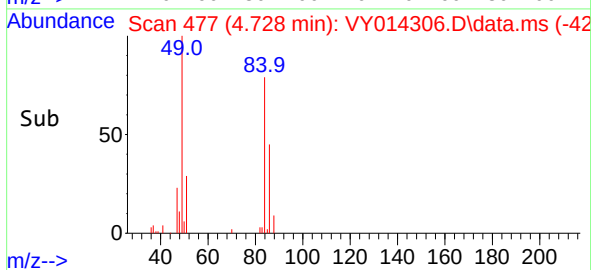
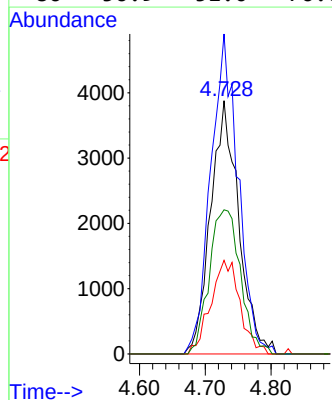
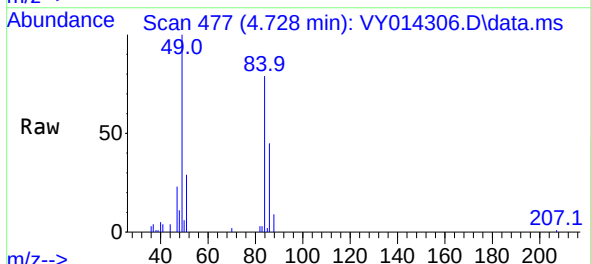
Instrument :
MSVOA_Y
ClientSampleId :
WC-22

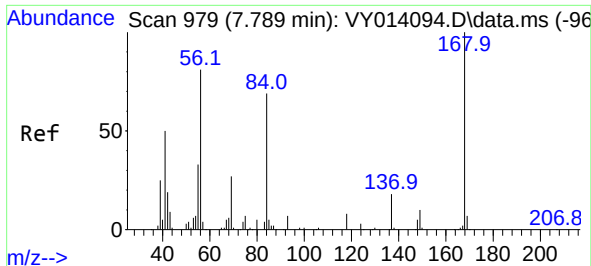
Tgt Ion: 43 Resp: 3292
Ion Ratio Lower Upper
43 100
58 29.6 22.7 34.1



#20
Methylene Chloride
Concen: 6.483 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY014306.D
Acq: 21 Jun 2023 01:16

Tgt Ion: 84 Resp: 11500
Ion Ratio Lower Upper
84 100
49 126.3 106.9 160.3
51 37.0 33.2 49.8
86 56.9 51.0 76.6

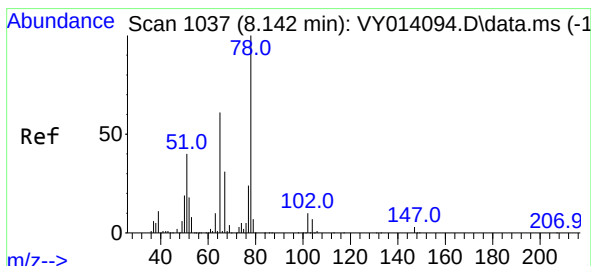
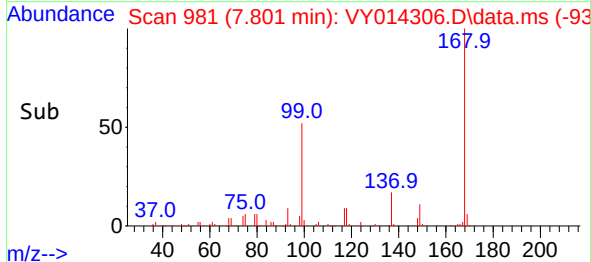
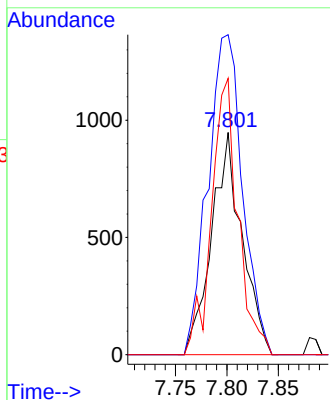
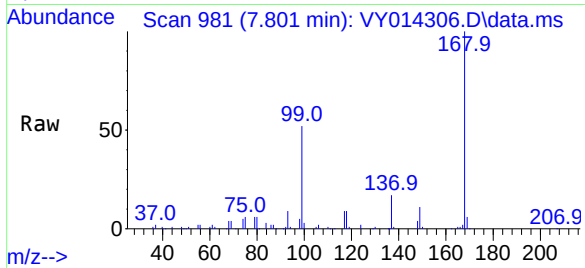




#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014306.D
Acq: 21 Jun 2023 01:16

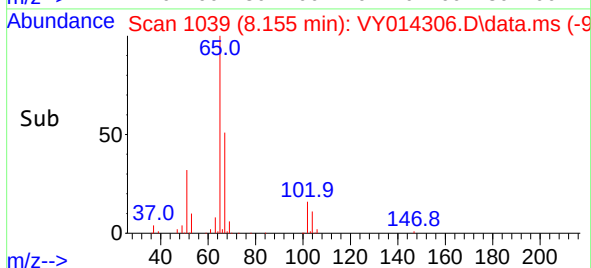
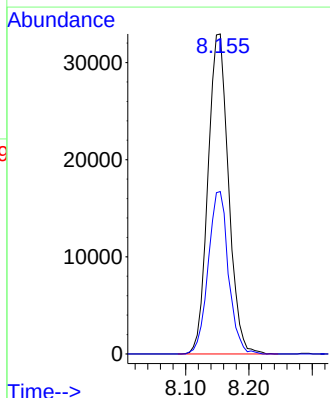
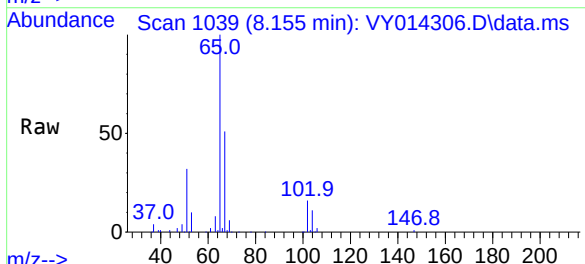
Instrument :
MSVOA_Y
ClientSampleId :
WC-22

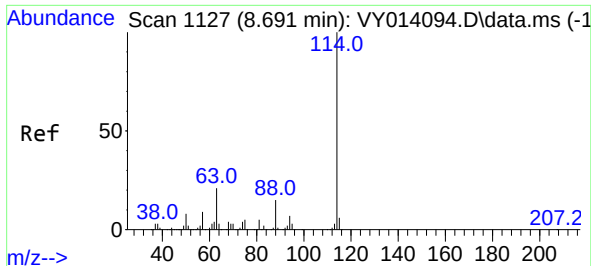
Tgt Ion: 56 Resp: 1956
Ion Ratio Lower Upper
56 100
69 144.0 27.8 41.6#
84 124.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.550 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014306.D
Acq: 21 Jun 2023 01:16

Tgt Ion: 65 Resp: 74104
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014306.D

Acq: 21 Jun 2023 01:16

Instrument :

MSVOA_Y

ClientSampleId :

WC-22

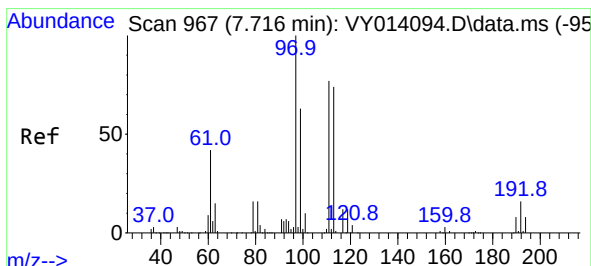
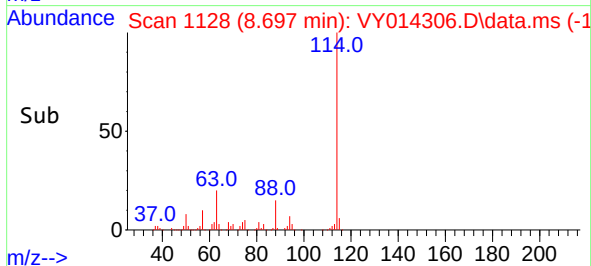
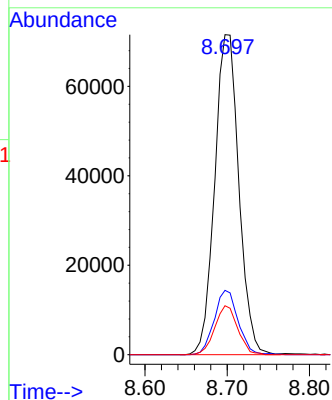
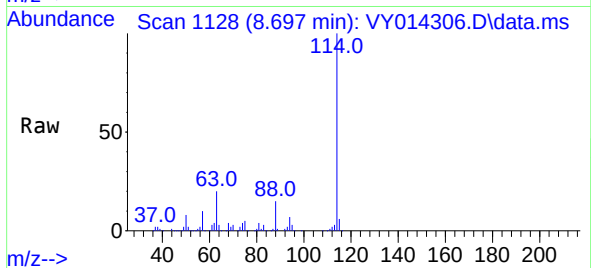
Tgt Ion:114 Resp: 145969

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.744 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014306.D

Acq: 21 Jun 2023 01:16

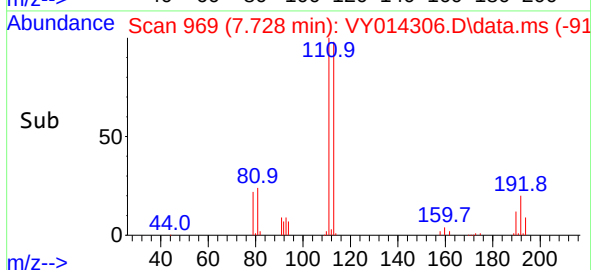
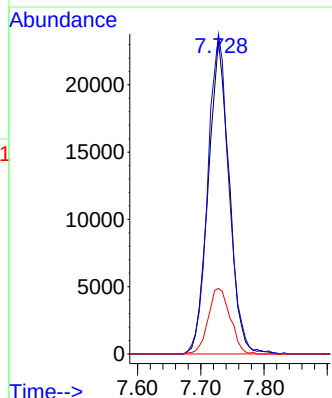
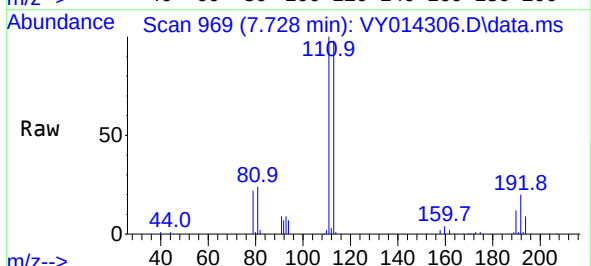
Tgt Ion:113 Resp: 53564

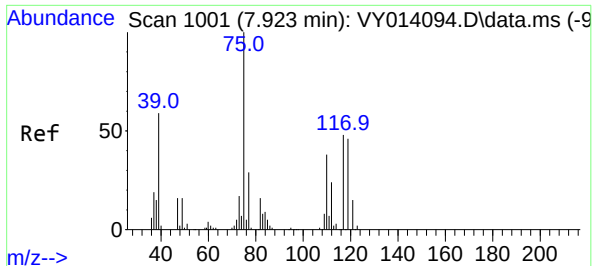
Ion Ratio Lower Upper

113 100

111 103.3 81.3 121.9

192 22.0 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.000 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY014306.D

Acq: 21 Jun 2023 01:16

Instrument :

MSVOA_Y

ClientSampleId :

WC-22

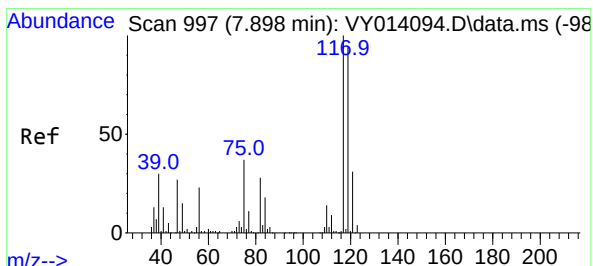
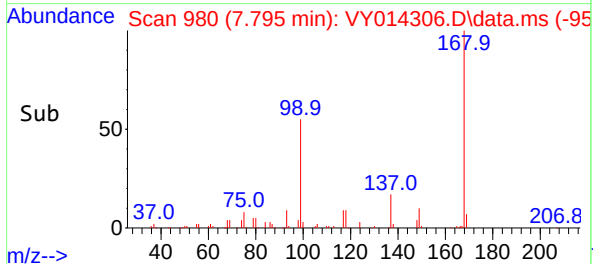
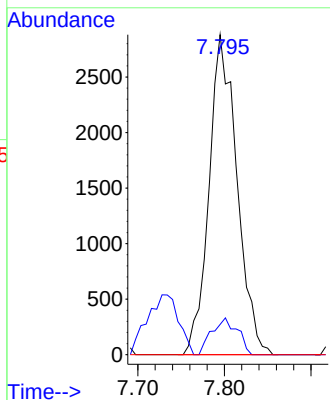
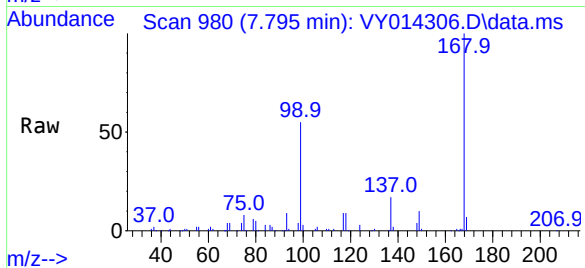
Tgt Ion: 75 Resp: 6456

Ion Ratio Lower Upper

75 100

110 10.6 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.636 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.097 min

Lab File: VY014306.D

Acq: 21 Jun 2023 01:16

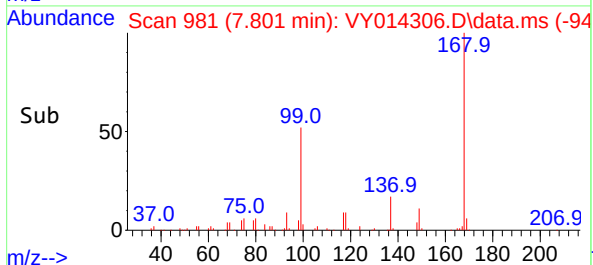
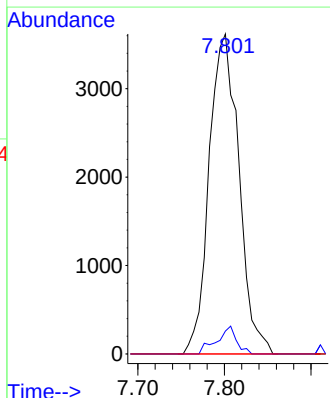
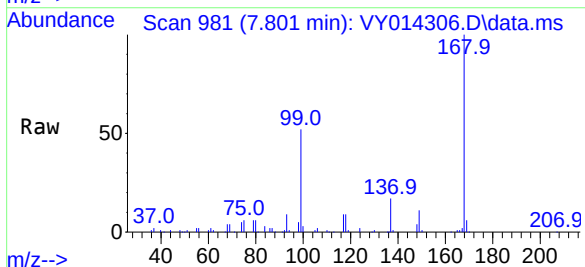
Tgt Ion: 117 Resp: 8634

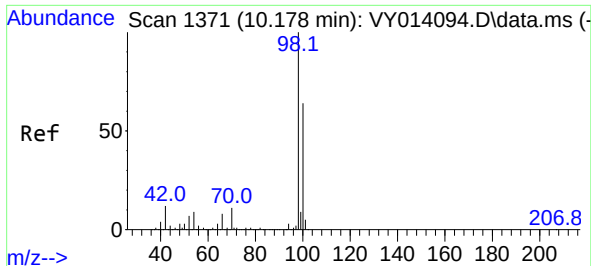
Ion Ratio Lower Upper

117 100

119 7.1 76.4 114.6#

121 0.0 25.8 38.6#

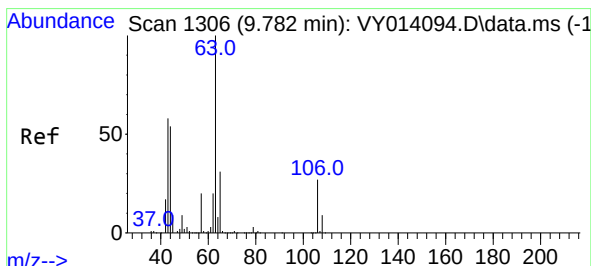
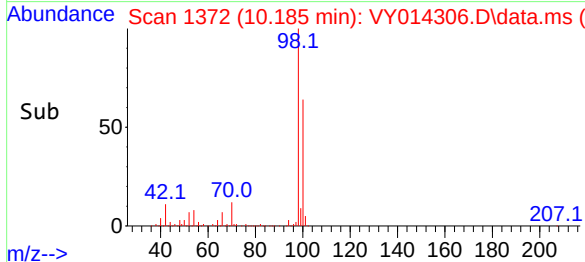
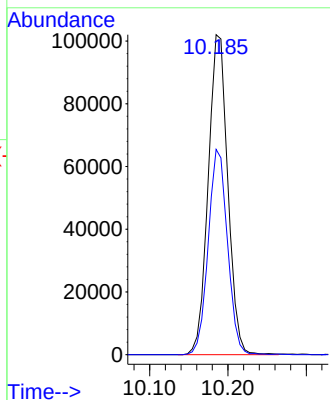
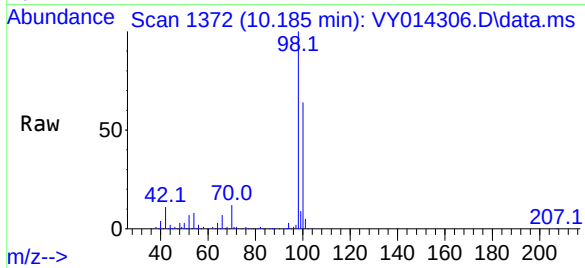




#50
Toluene-d8
Concen: 45.745 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014306.D
Acq: 21 Jun 2023 01:16

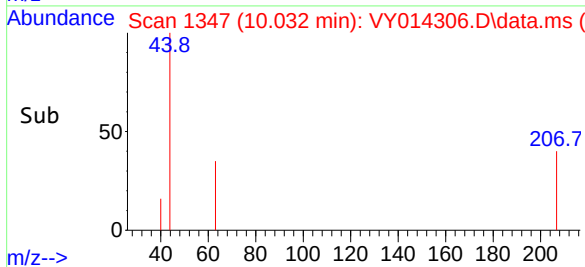
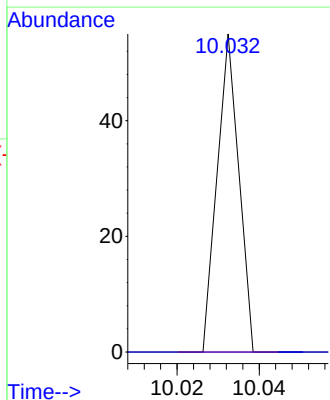
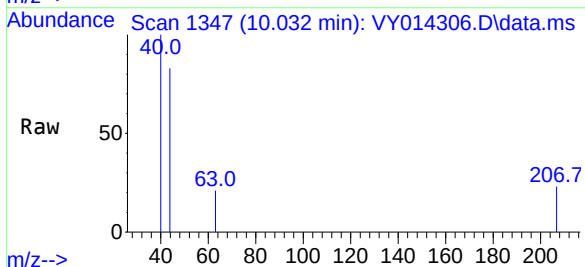
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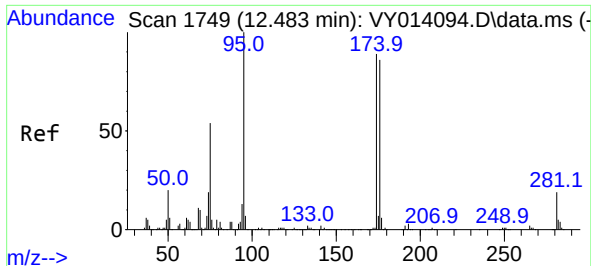
Tgt Ion: 98 Resp: 177040
Ion Ratio Lower Upper
98 100
100 63.1 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 28.648 ug/l
RT: 10.032 min Scan# 1347
Delta R.T. 0.250 min
Lab File: VY014306.D
Acq: 21 Jun 2023 01:16

Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#

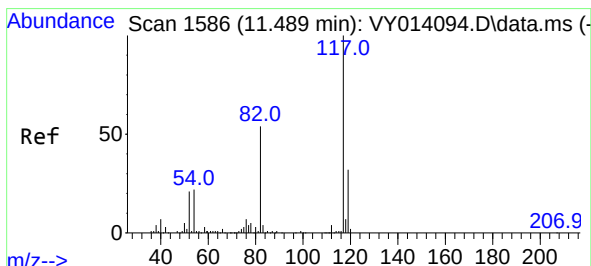
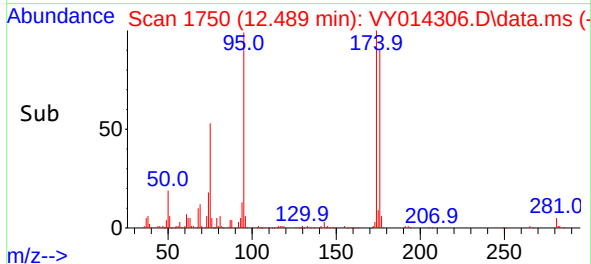
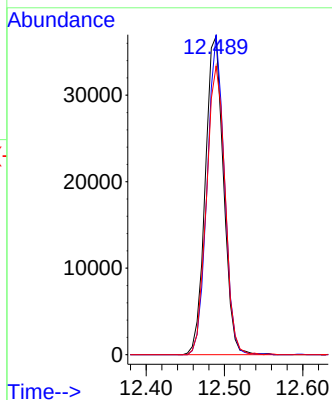
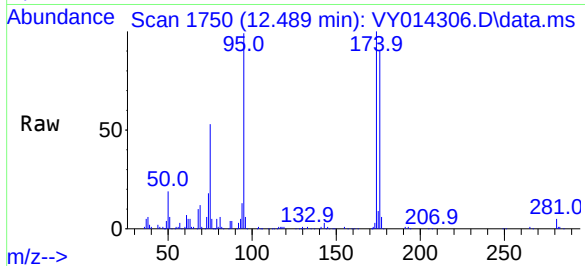




#62
4-Bromofluorobenzene
Concen: 43.205 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014306.D
Acq: 21 Jun 2023 01:16

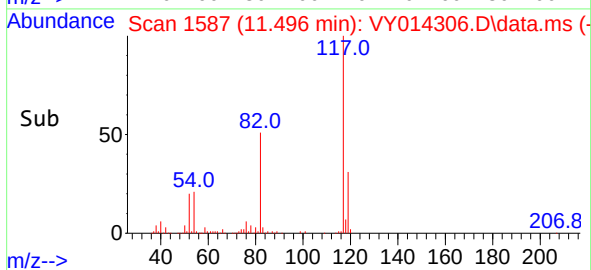
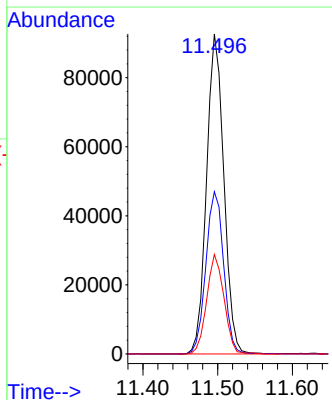
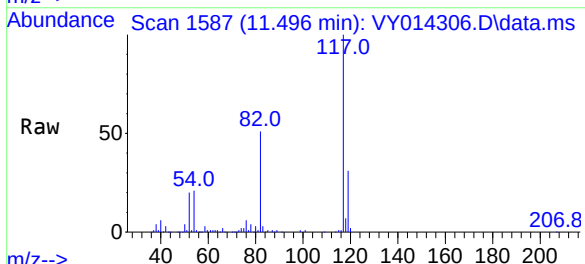
Instrument :
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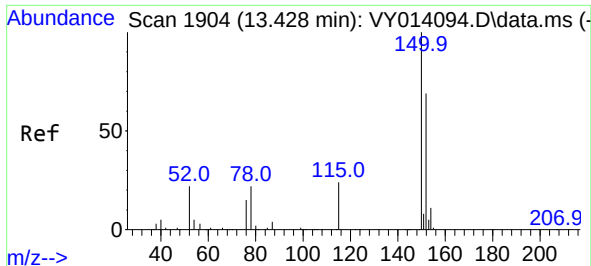
Tgt Ion: 95 Resp: 59398
Ion Ratio Lower Upper
95 100
174 94.5 0.0 178.2
176 92.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014306.D
Acq: 21 Jun 2023 01:16

Tgt Ion: 117 Resp: 148914
Ion Ratio Lower Upper
117 100
82 50.7 43.4 65.0
119 31.1 26.3 39.5

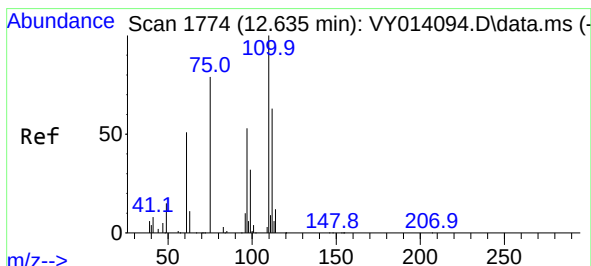
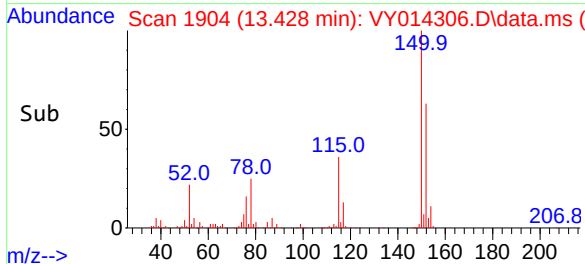
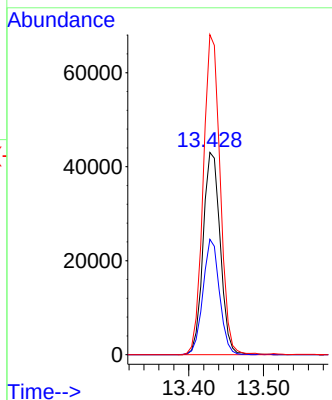
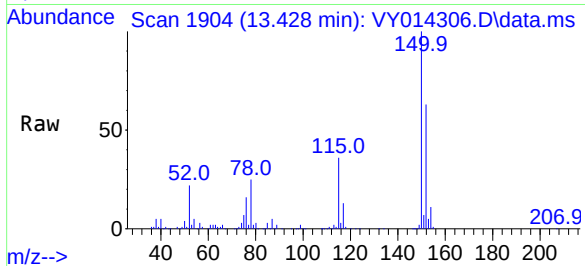




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY014306.D
 Acq: 21 Jun 2023 01:16

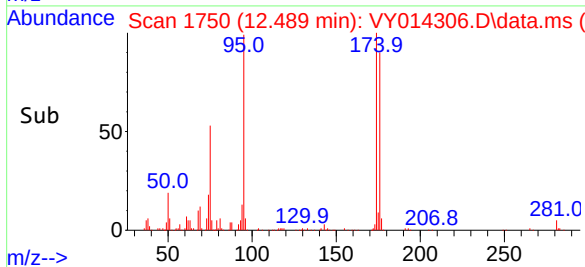
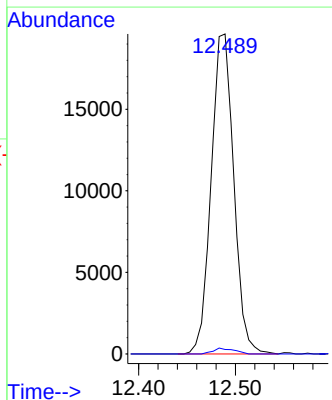
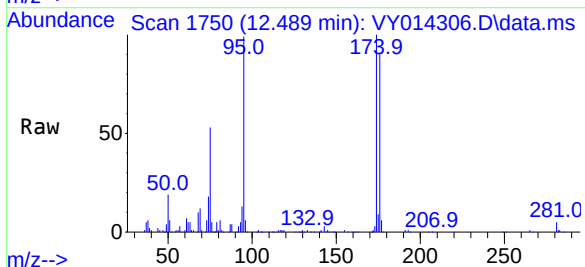
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-22

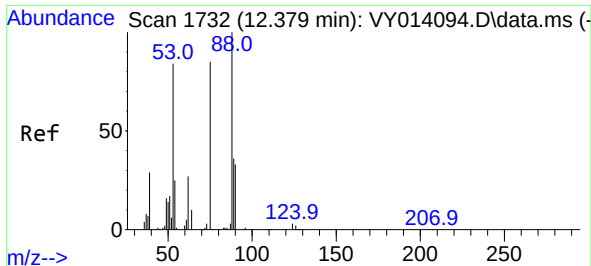
Tgt Ion:152 Resp: 68395
 Ion Ratio Lower Upper
 152 100
 115 55.1 28.8 86.5
 150 156.5 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 35.448 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.146 min
 Lab File: VY014306.D
 Acq: 21 Jun 2023 01:16

Tgt Ion: 75 Resp: 31808
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 76.624 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY014306.D
Acq: 21 Jun 2023 01:16

Instrument :
MSVOA_Y
ClientSampleId :
WC-22

Tgt Ion: 75 Resp: 31808
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

