

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012894.D
 Acq On : 09 Mar 2023 13:20
 Operator : KP/MD
 Sample : 01834-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7

Quant Time: Mar 10 00:29:43 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	88144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	143151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	127053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	46851	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	53592	61.237	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.480%
35) Dibromofluoromethane	7.715	113	48610	56.267	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.540%
50) Toluene-d8	10.178	98	177074	56.066	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.140%
62) 4-Bromofluorobenzene	12.483	95	49362	46.306	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.620%

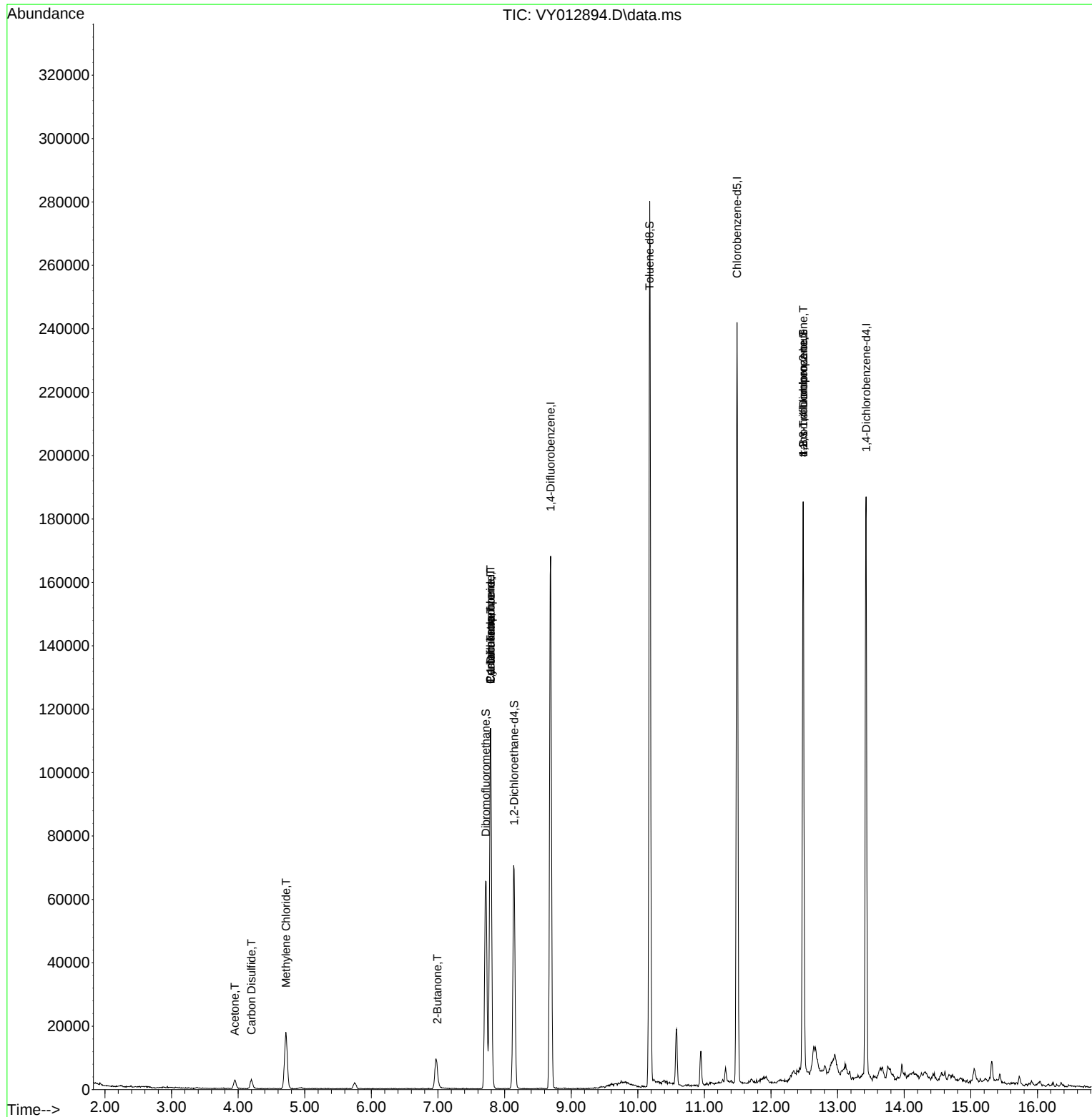
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.935	59	433	Below Cal	#	74
16) Acetone	3.948	43	4938	14.375	ug/l	97
17) Carbon Disulfide	4.198	76	4054	1.312	ug/l	# 93
20) Methylene Chloride	4.716	84	12328	7.157	ug/l	94
25) 2-Butanone	6.990	43	719	1.690	ug/l	# 49
31) Cyclohexane	7.789	56	1852	1.105	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	6695	4.624	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	8484	5.675	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	25793	46.102	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	25793	95.525	ug/l	# 13

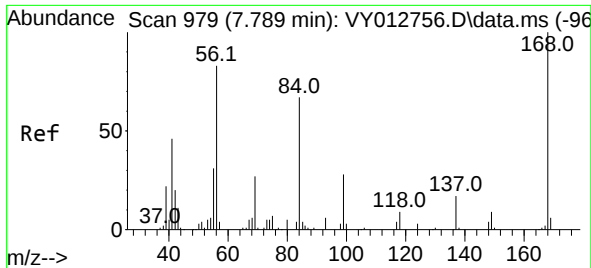
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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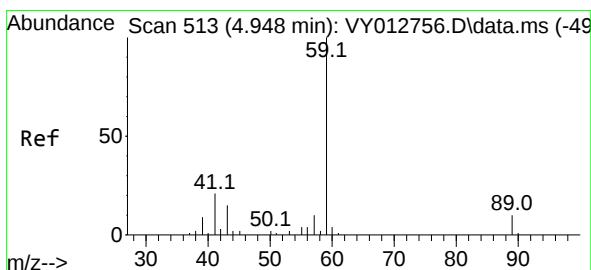
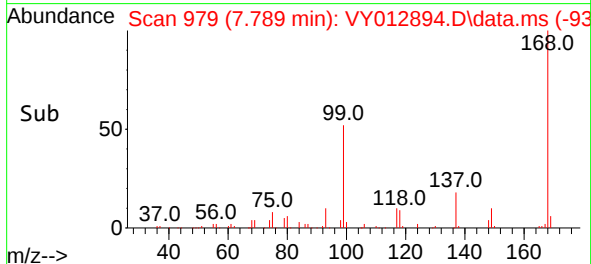
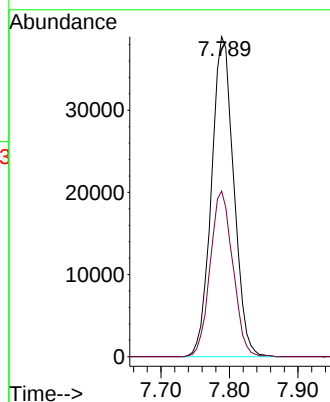
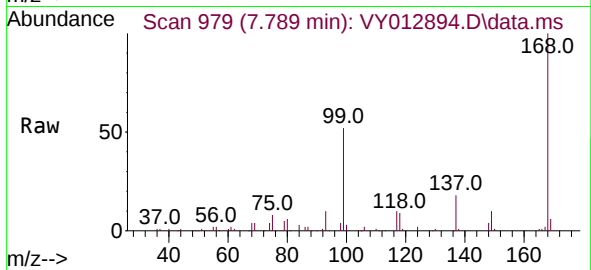




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012894.D
Acq: 09 Mar 2023 13:20

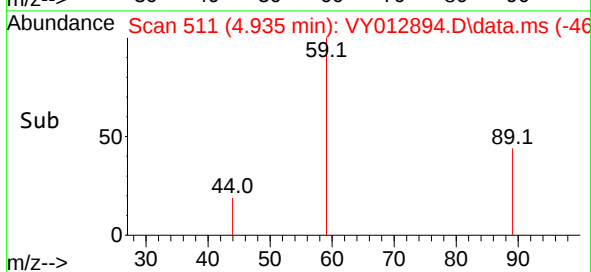
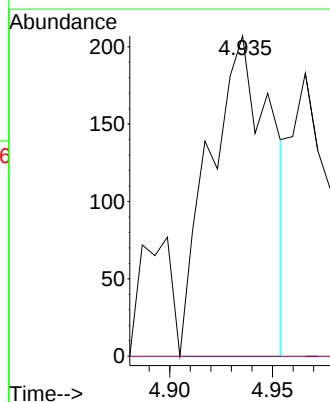
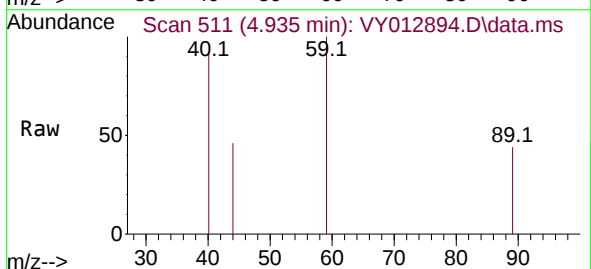
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

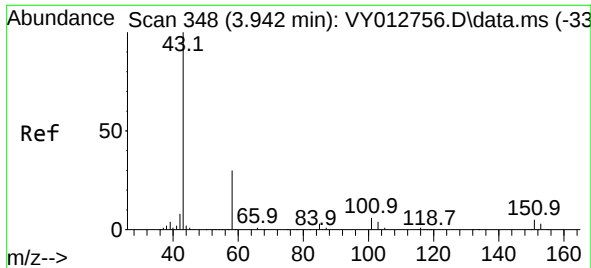
Tgt Ion:168 Resp: 88144
Ion Ratio Lower Upper
168 100
99 51.7 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.935 min Scan# 511
Delta R.T. -0.013 min
Lab File: VY012894.D
Acq: 09 Mar 2023 13:20

Tgt Ion: 59 Resp: 433
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 14.375 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012894.D

Acq: 09 Mar 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

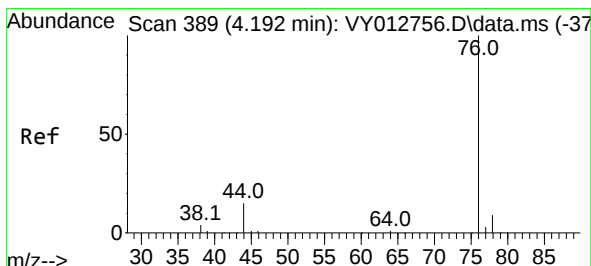
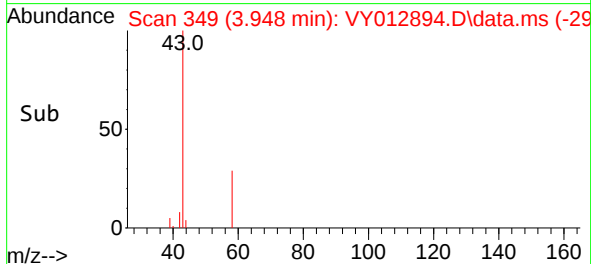
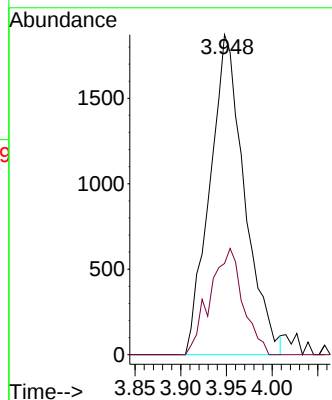
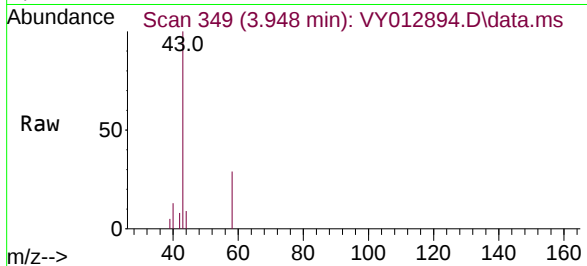
TP-7

Tgt Ion: 43 Resp: 4938

Ion Ratio Lower Upper

43 100

58 28.5 24.2 36.2



#17

Carbon Disulfide

Concen: 1.312 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.006 min

Lab File: VY012894.D

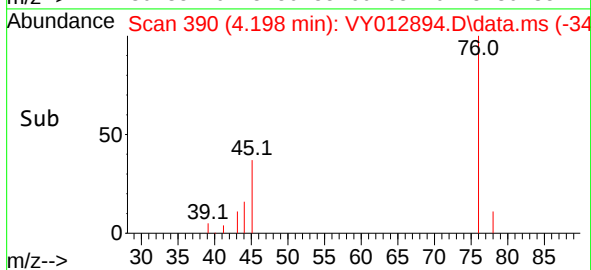
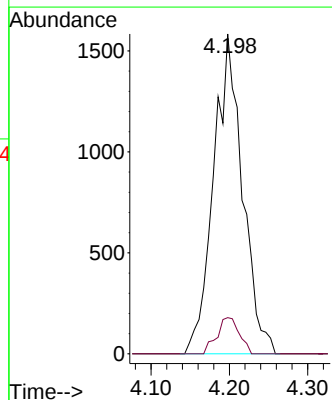
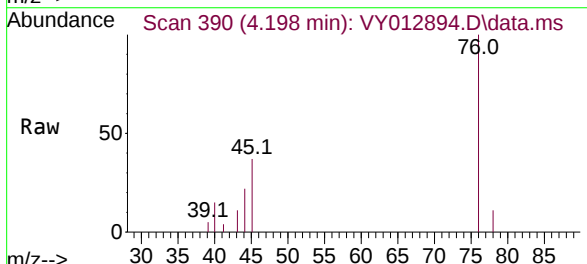
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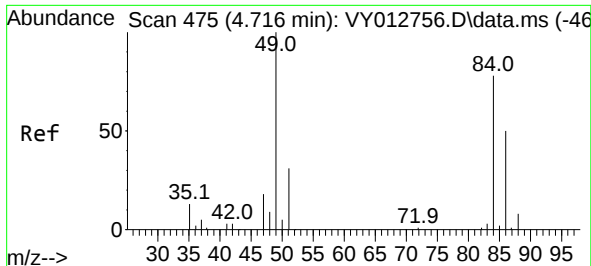
Tgt Ion: 76 Resp: 4054

Ion Ratio Lower Upper

76 100

78 11.3 7.1 10.7#





#20

Methylene Chloride

Concen: 7.157 ug/l

RT: 4.716 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY012894.D

Acq: 09 Mar 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

Tgt Ion: 84 Resp: 12328

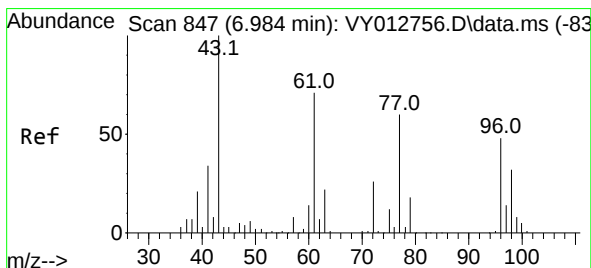
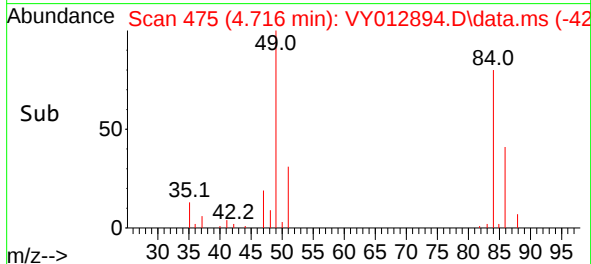
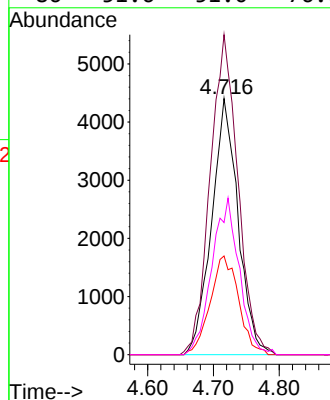
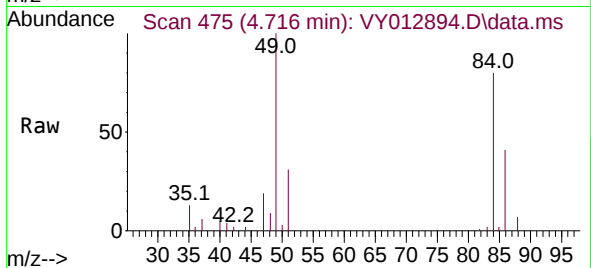
Ion Ratio Lower Upper

84 100

49 125.0 102.6 154.0

51 38.5 31.9 47.9

86 51.6 51.0 76.6



#25

2-Butanone

Concen: 1.690 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY012894.D

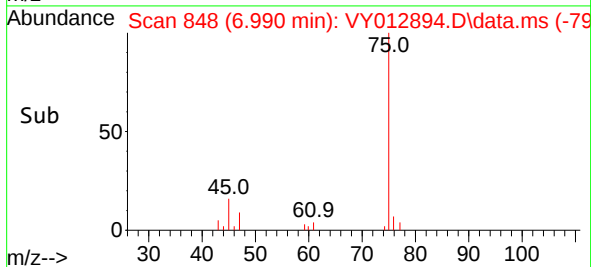
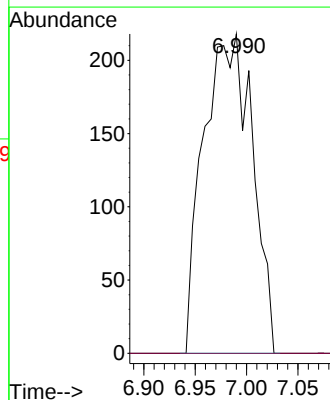
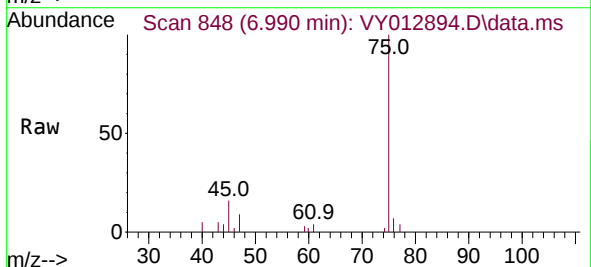
Acq: 09 Mar 2023 13:20

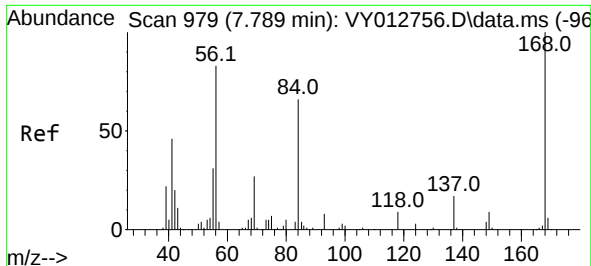
Tgt Ion: 43 Resp: 719

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#

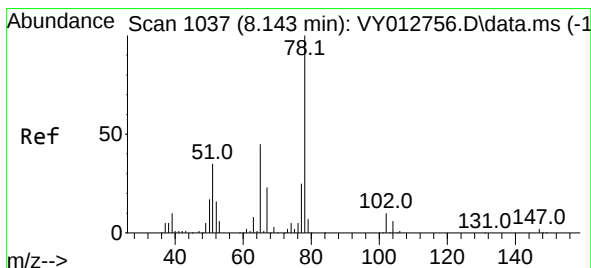
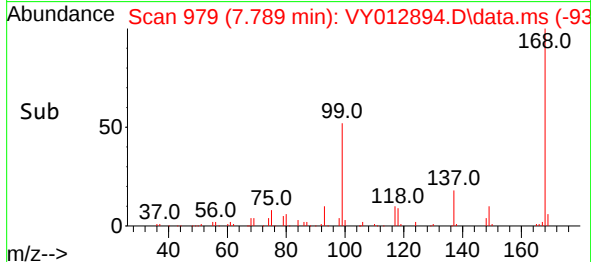
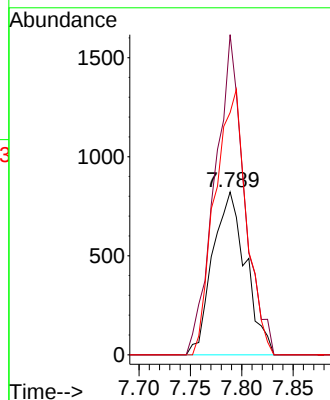
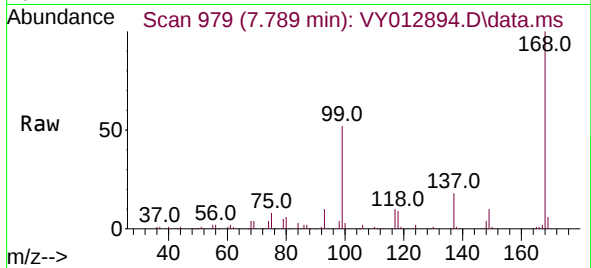




#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012894.D
Acq: 09 Mar 2023 13:20

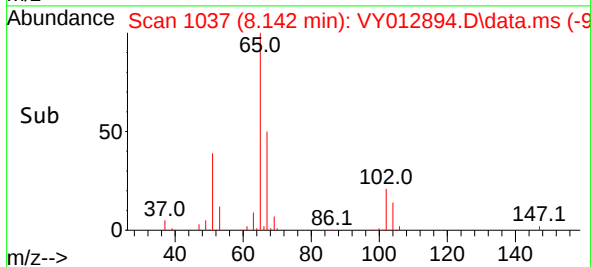
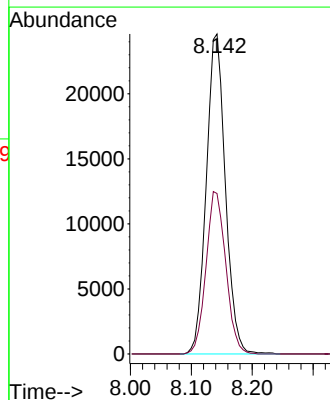
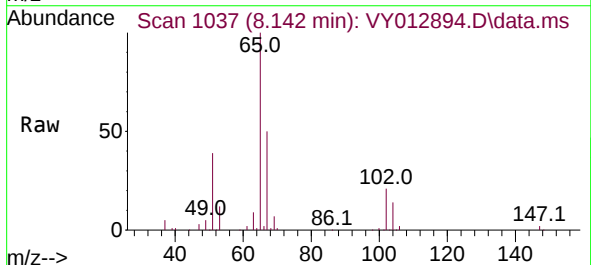
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

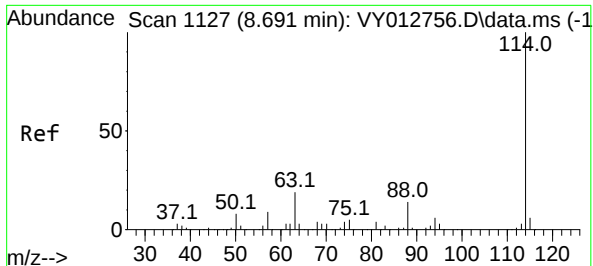
Tgt Ion: 56 Resp: 1852
Ion Ratio Lower Upper
56 100
69 196.6 25.7 38.5#
84 148.8 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 61.237 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012894.D
Acq: 09 Mar 2023 13:20

Tgt Ion: 65 Resp: 53592
Ion Ratio Lower Upper
65 100
67 52.4 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: VY012894.D

Acq: 09 Mar 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

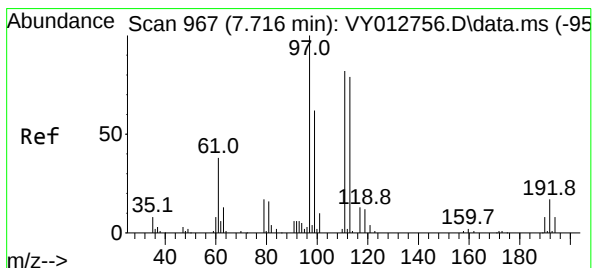
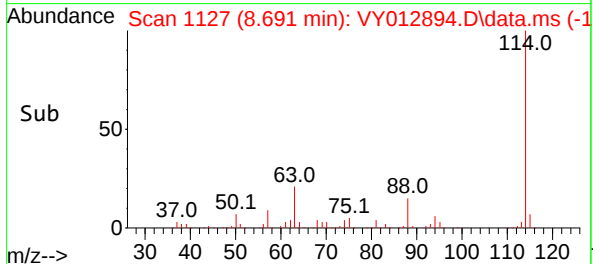
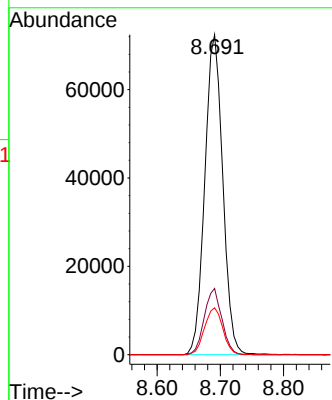
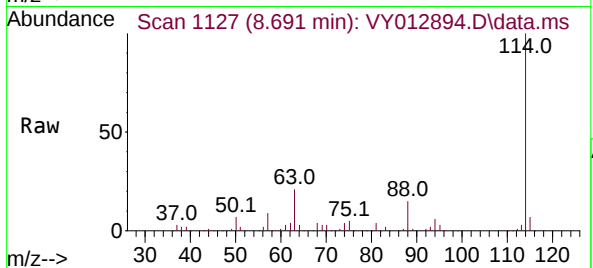
Tgt Ion:114 Resp: 143151

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

88 14.7 0.0 28.6



#35

Dibromofluoromethane

Concen: 56.267 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012894.D

Acq: 09 Mar 2023 13:20

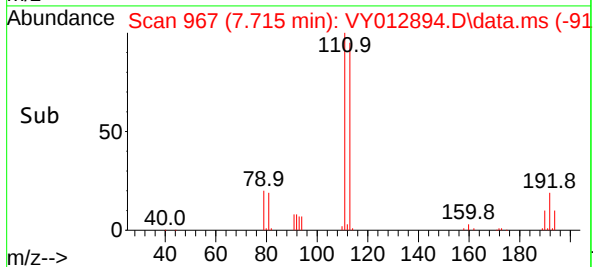
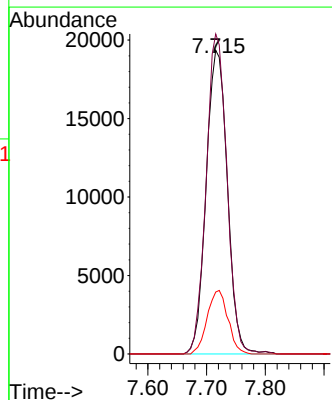
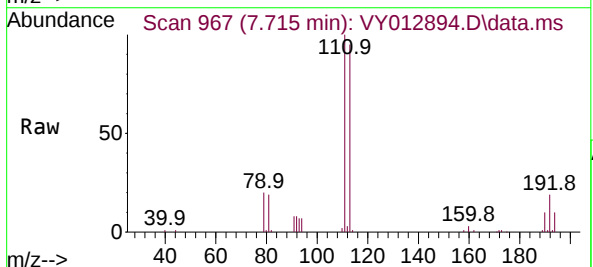
Tgt Ion:113 Resp: 48610

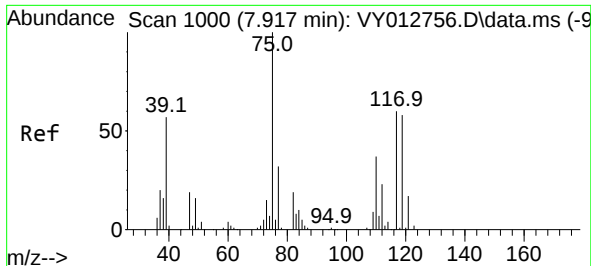
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 20.4 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.624 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012894.D

Acq: 09 Mar 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

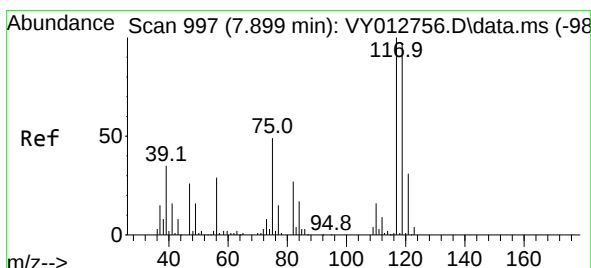
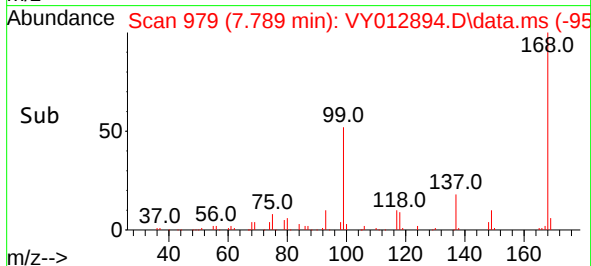
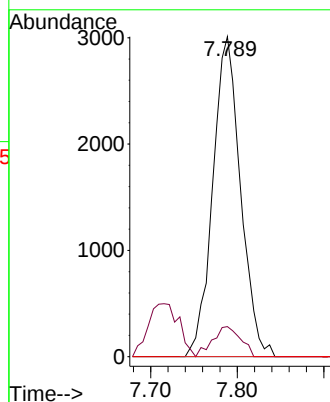
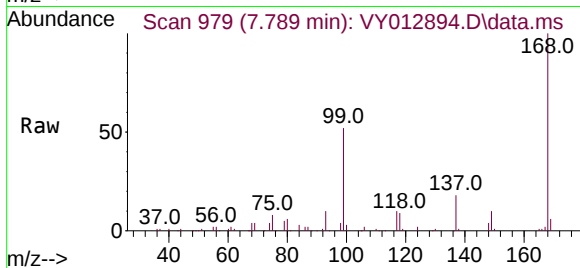
Tgt Ion: 75 Resp: 6695

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.675 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012894.D

Acq: 09 Mar 2023 13:20

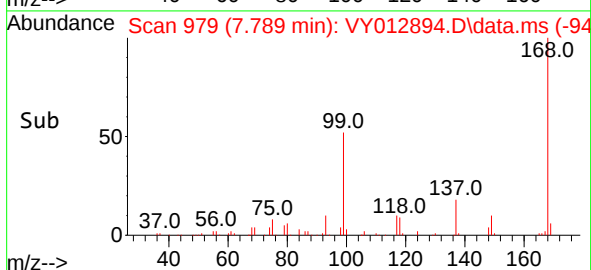
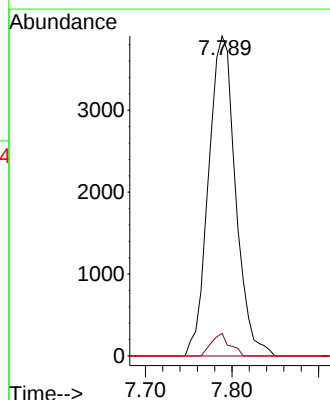
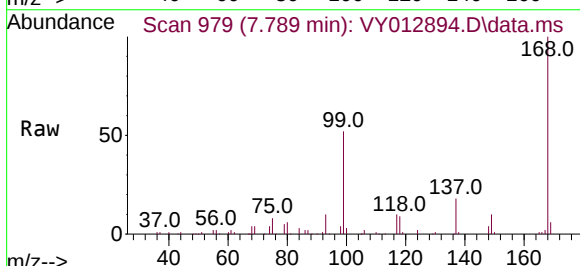
Tgt Ion: 117 Resp: 8484

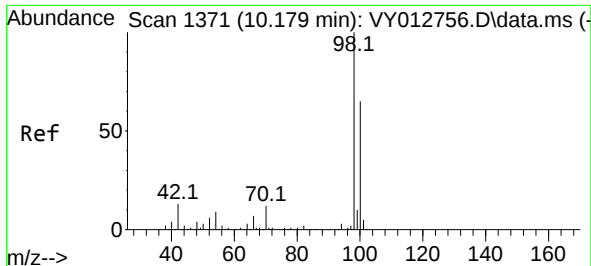
Ion Ratio Lower Upper

117 100

119 7.1 77.2 115.8#

121 0.0 24.7 37.1#

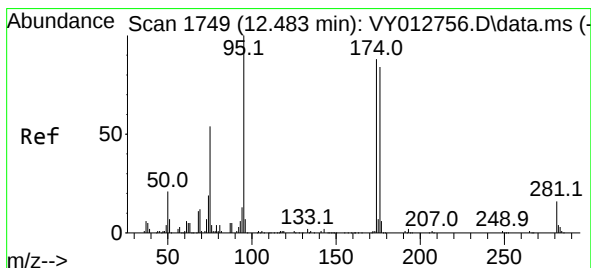
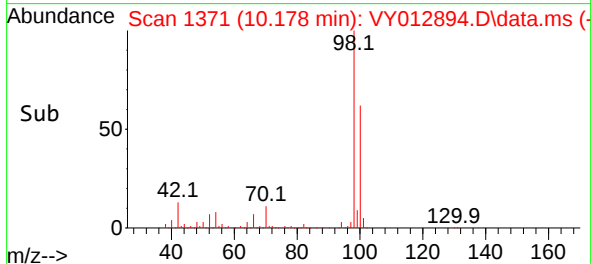
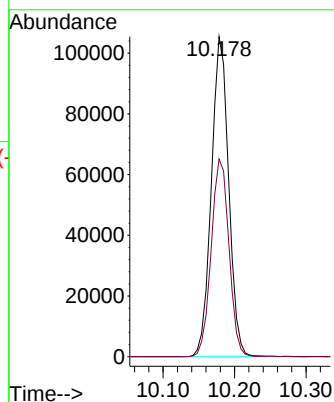
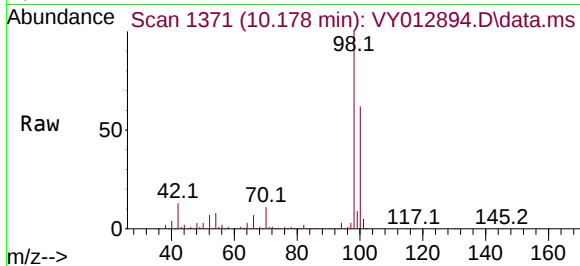




#50
Toluene-d8
Concen: 56.066 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012894.D
Acq: 09 Mar 2023 13:20

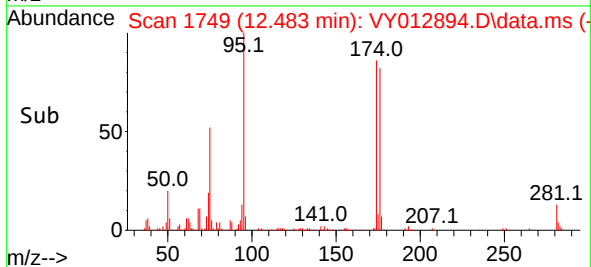
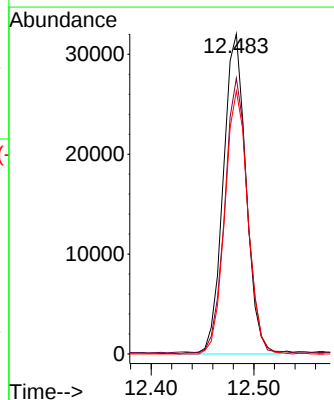
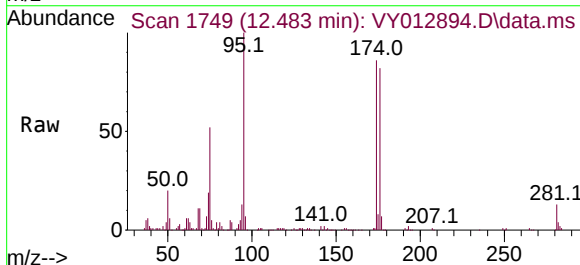
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

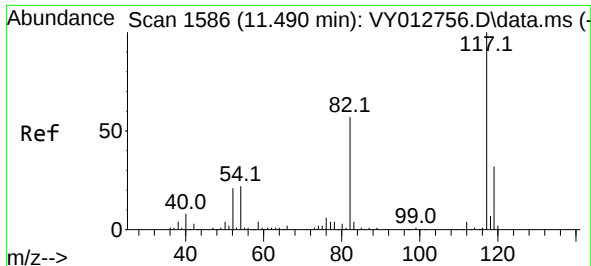
Tgt Ion: 98 Resp: 177074
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.306 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012894.D
Acq: 09 Mar 2023 13:20

Tgt Ion: 95 Resp: 49362
Ion Ratio Lower Upper
95 100
174 85.5 0.0 176.6
176 82.8 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: VY012894.D

Acq: 09 Mar 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

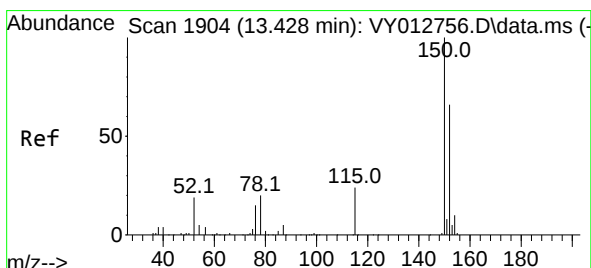
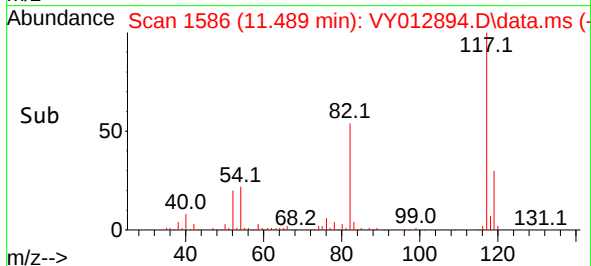
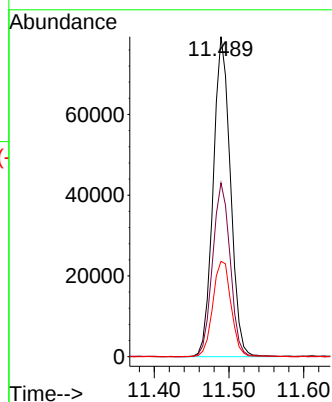
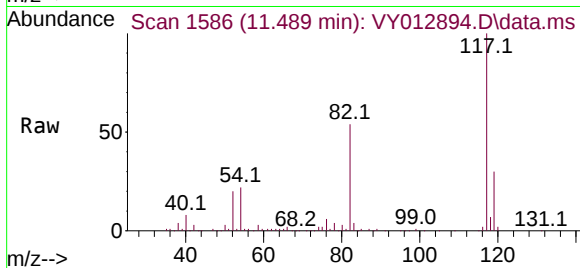
Tgt Ion:117 Resp: 127053

Ion Ratio Lower Upper

117 100

82 54.3 45.4 68.0

119 29.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY012894.D

Acq: 09 Mar 2023 13:20

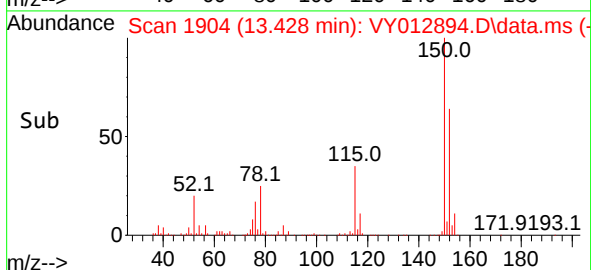
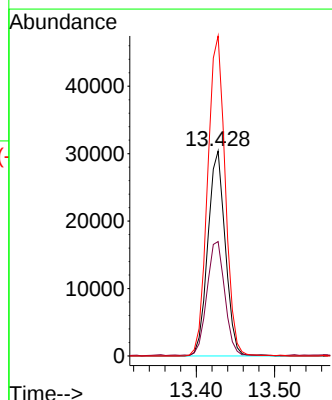
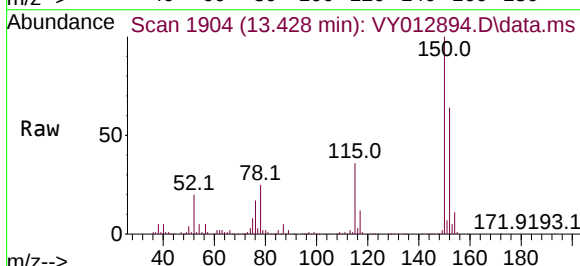
Tgt Ion:152 Resp: 46851

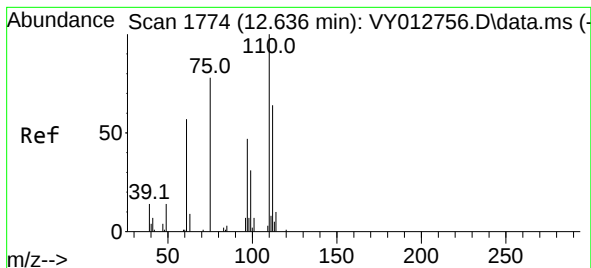
Ion Ratio Lower Upper

152 100

115 57.1 27.1 81.3

150 157.6 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 46.102 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY012894.D

Acq: 09 Mar 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

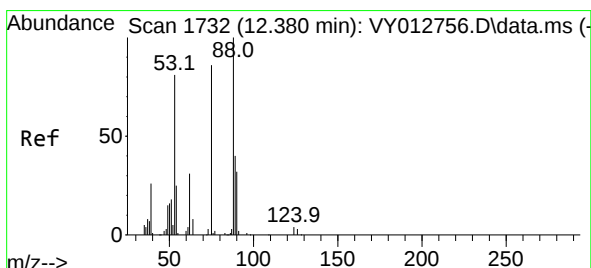
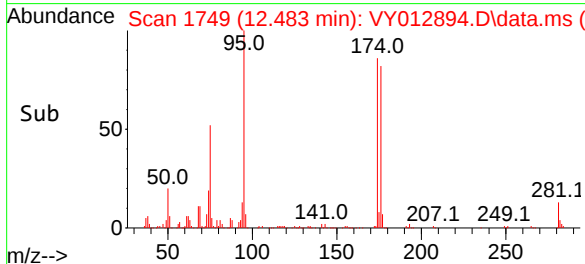
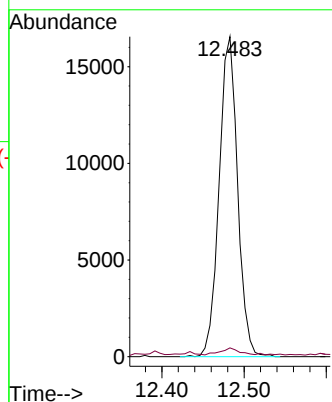
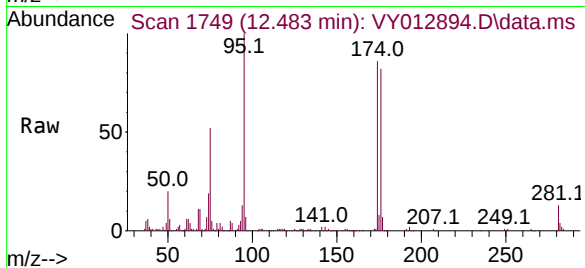
TP-7

Tgt Ion: 75 Resp: 25793

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.525 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY012894.D

Acq: 09 Mar 2023 13:20

Tgt Ion: 75 Resp: 25793

Ion Ratio Lower Upper

75 100

53 0.3 73.4 110.0#

89 0.0 36.6 55.0#

