

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012230.D
 Acq On : 17 Jan 2023 18:00
 Operator : KP/MD
 Sample : 01175-10
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 YARD-2

Quant Time: Jan 18 00:34:05 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)

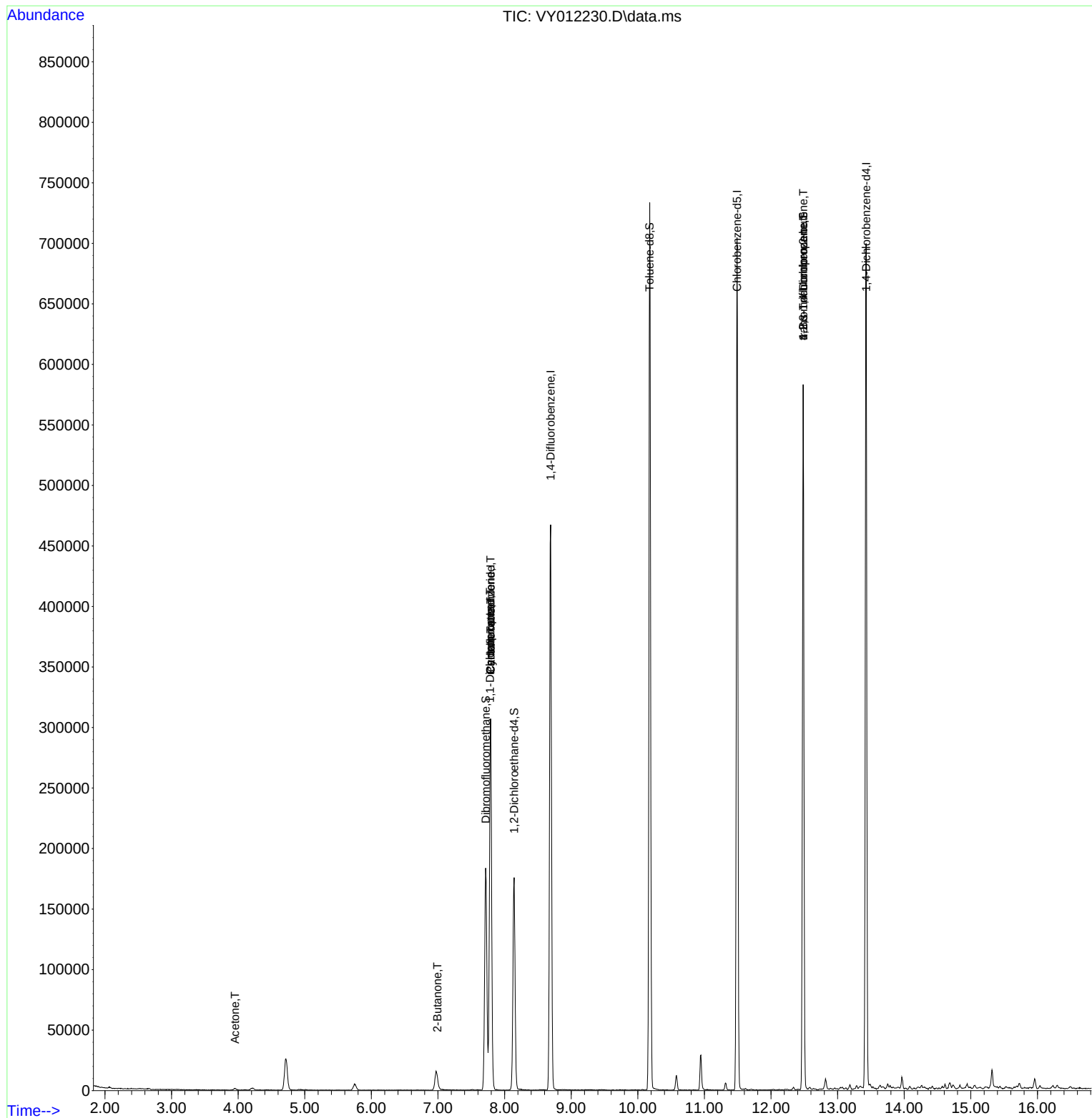
Internal Standards						
1) Pentafluorobenzene	7.789	168	245312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	417062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	398835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	185933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	138361	69.586	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.180%	
35) Dibromofluoromethane	7.716	113	128473	58.176	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.360%	
50) Toluene-d8	10.179	98	495271	66.126	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 132.260%	
62) 4-Bromofluorobenzene	12.483	95	169834	54.555	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	616	Below Cal	#	74
16) Acetone	3.954	43	2379	3.483	ug/l #	83
20) Methylene Chloride	4.710	84	20735	Below Cal		95
25) 2-Butanone	6.990	43	1386	1.838	ug/l #	75
31) Cyclohexane	7.789	56	4143	1.158	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	17064	4.547	ug/l #	50
38) Carbon Tetrachloride	7.789	117	23381	4.824	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	85988	50.294	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	85988	103.627	ug/l #	13

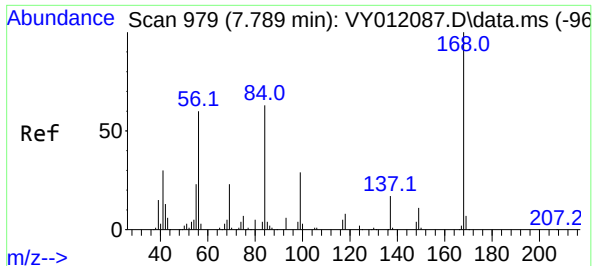
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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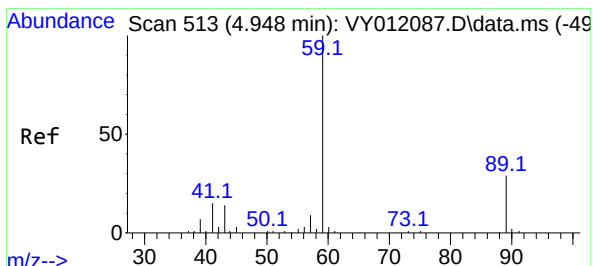
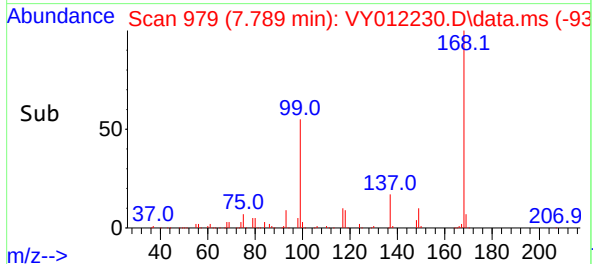
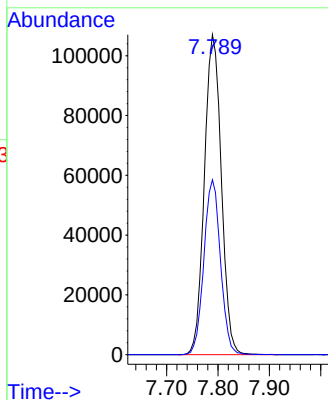
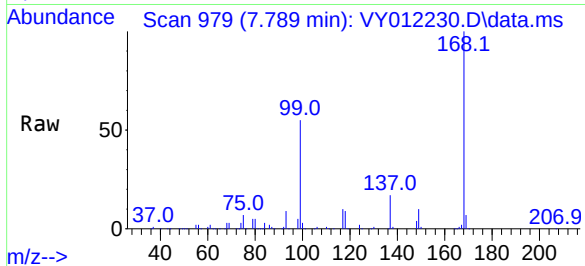




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012230.D
Acq: 17 Jan 2023 18:00

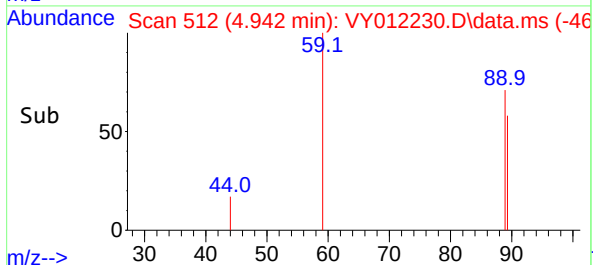
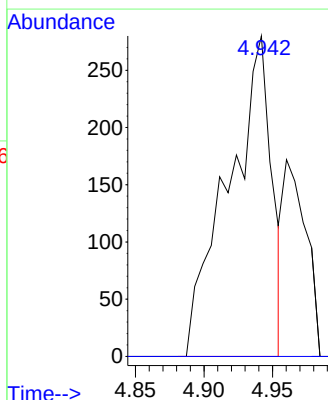
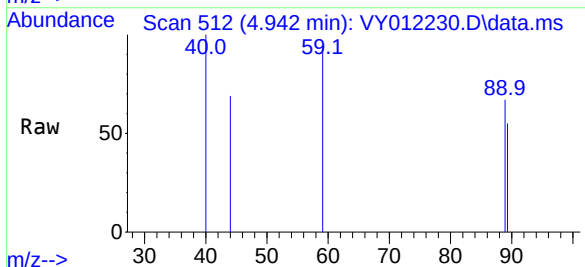
Instrument :
MSVOA_Y
ClientSampleId :
YARD-2

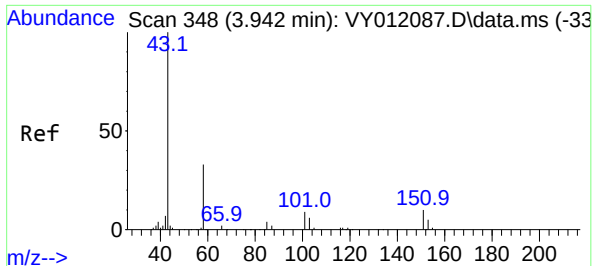
Tgt Ion:168 Resp: 245312
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012230.D
Acq: 17 Jan 2023 18:00

Tgt Ion: 59 Resp: 616
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 3.483 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY012230.D

Acq: 17 Jan 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

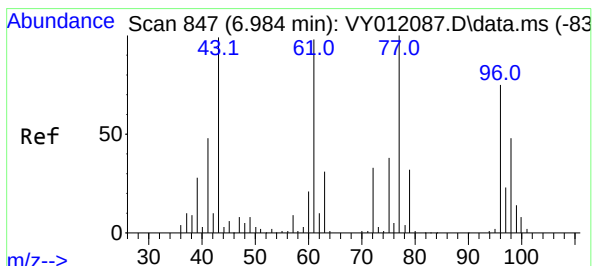
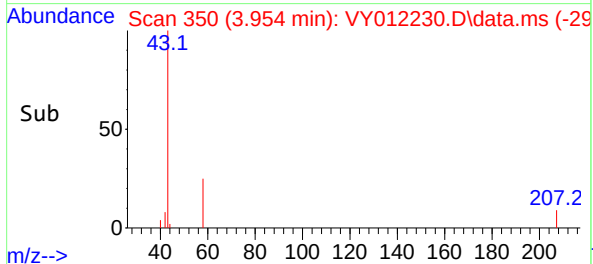
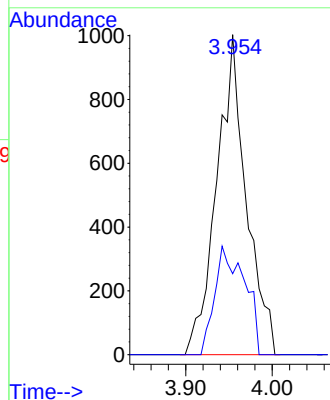
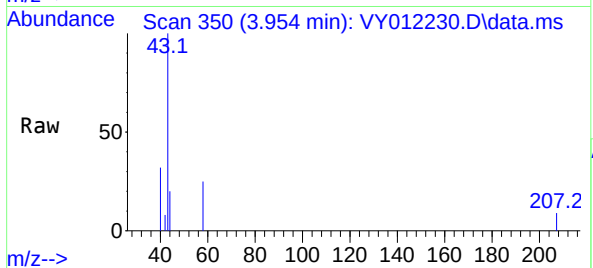
YARD-2

Tgt Ion: 43 Resp: 2379

Ion Ratio Lower Upper

43 100

58 25.3 27.9 41.9#



#25

2-Butanone

Concen: 1.838 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY012230.D

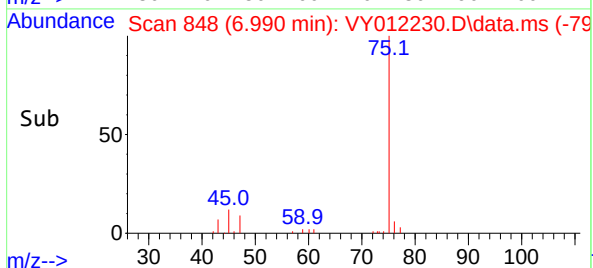
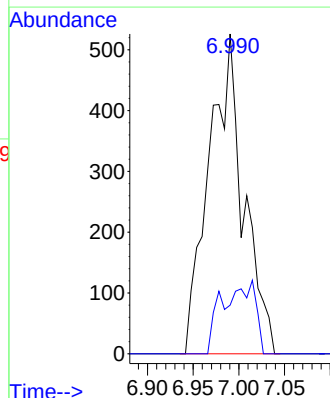
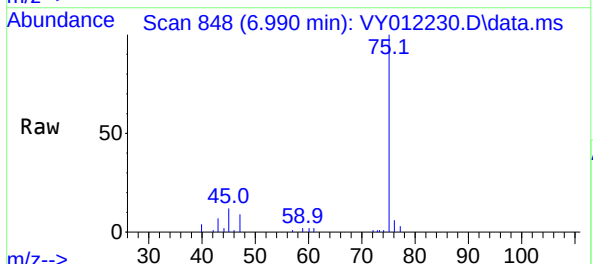
Acq: 17 Jan 2023 18:00

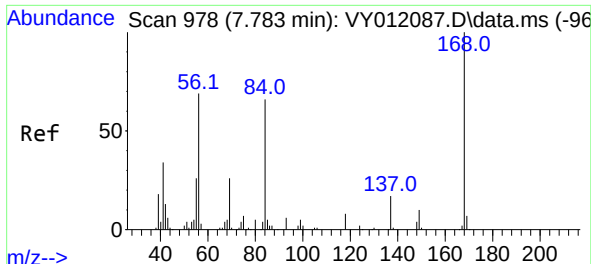
Tgt Ion: 43 Resp: 1386

Ion Ratio Lower Upper

43 100

72 15.2 22.6 34.0#

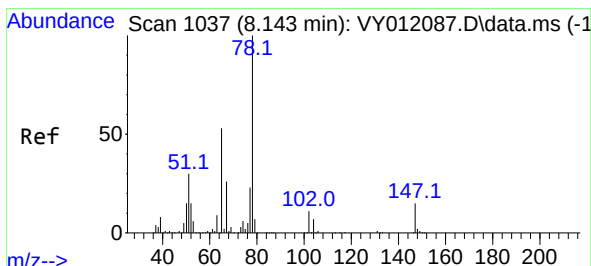
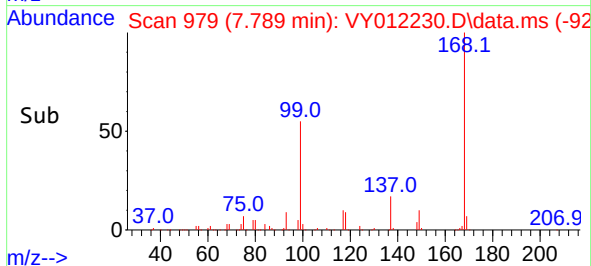
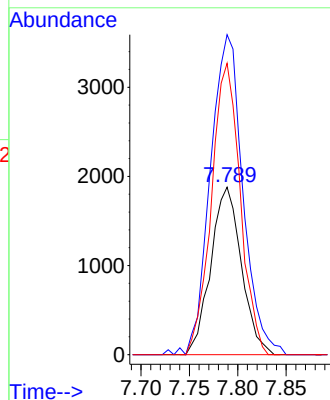
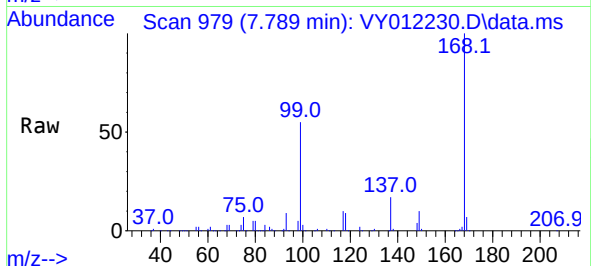




#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012230.D
Acq: 17 Jan 2023 18:00

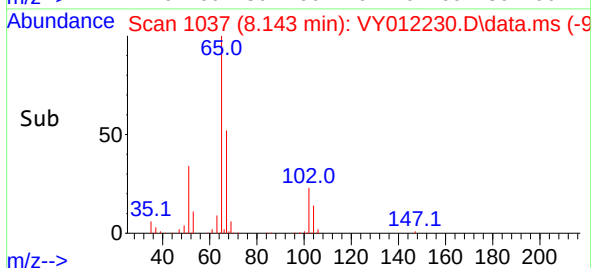
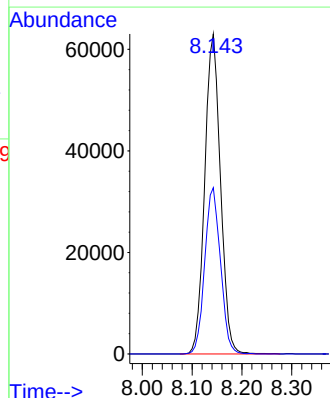
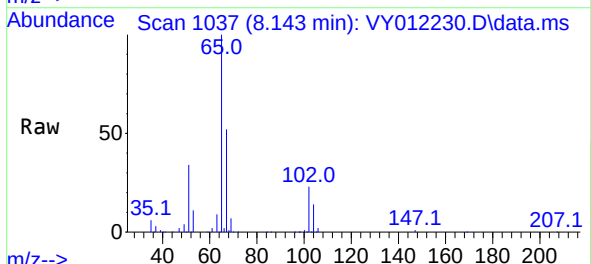
Instrument :
MSVOA_Y
ClientSampleId :
YARD-2

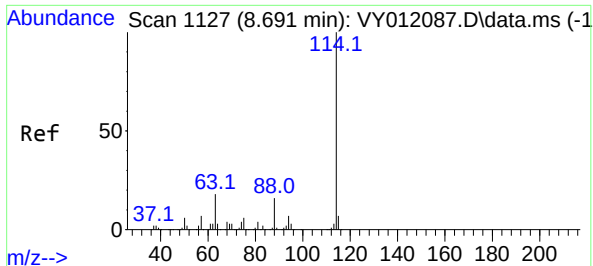
Tgt Ion: 56 Resp: 4143
Ion Ratio Lower Upper
56 100
69 187.0 29.2 43.8#
84 174.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 69.586 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012230.D
Acq: 17 Jan 2023 18:00

Tgt Ion: 65 Resp: 138361
Ion Ratio Lower Upper
65 100
67 51.8 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: VY012230.D

Acq: 17 Jan 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

YARD-2

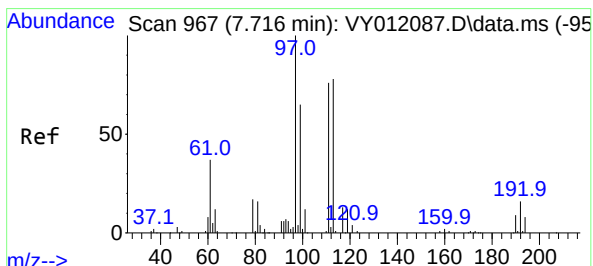
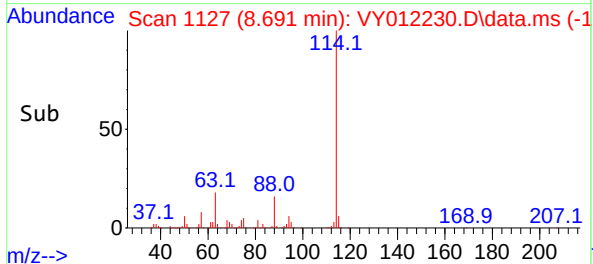
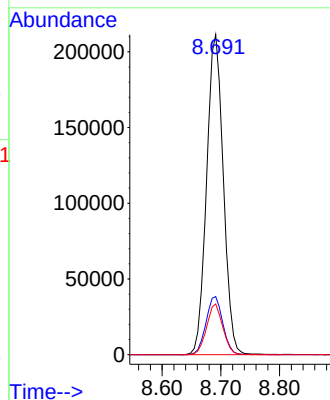
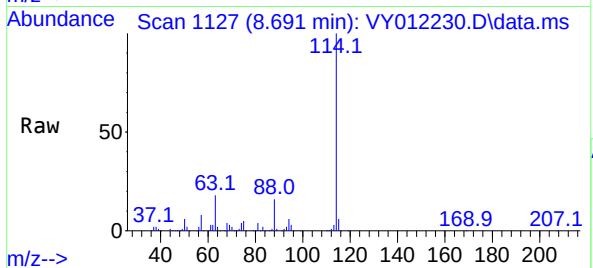
Tgt Ion:114 Resp: 417062

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 15.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 58.176 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012230.D

Acq: 17 Jan 2023 18:00

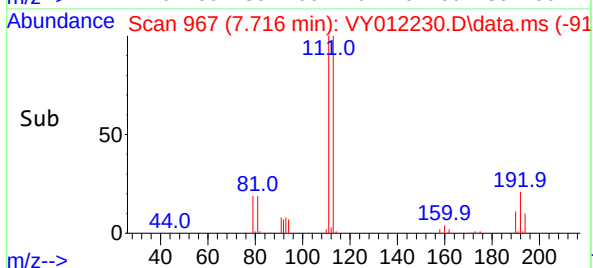
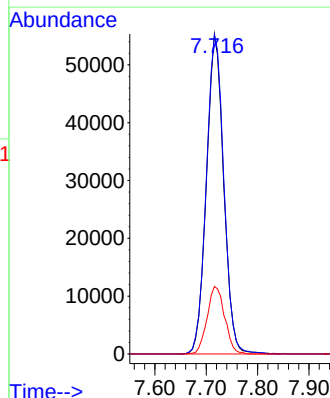
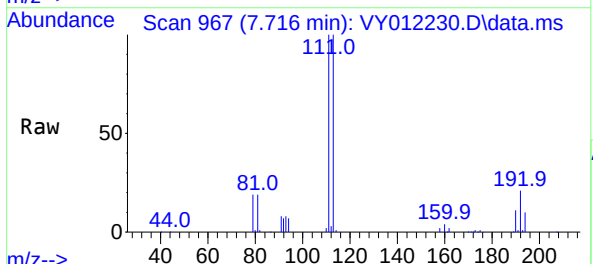
Tgt Ion:113 Resp: 128473

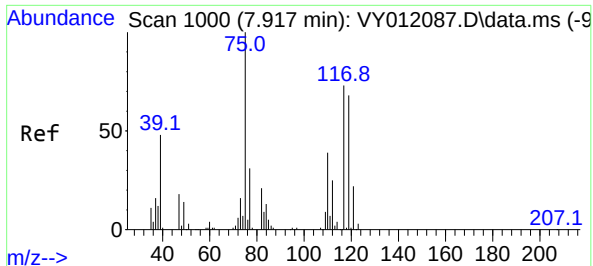
Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.4

192 21.6 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.547 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012230.D

Acq: 17 Jan 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

YARD-2

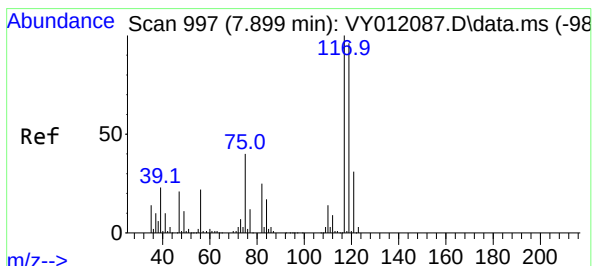
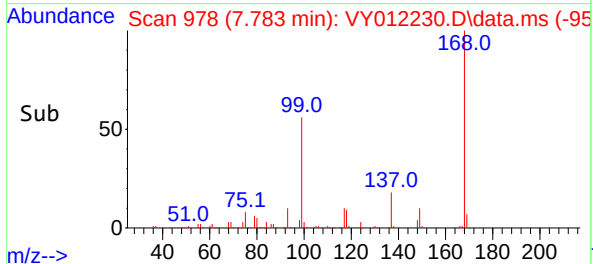
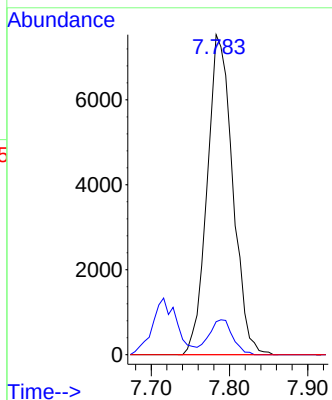
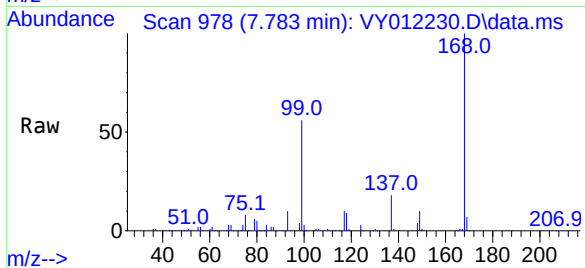
Tgt Ion: 75 Resp: 17064

Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.824 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012230.D

Acq: 17 Jan 2023 18:00

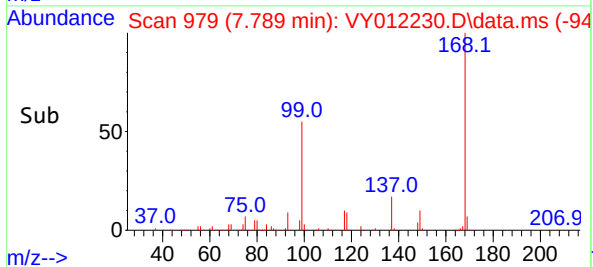
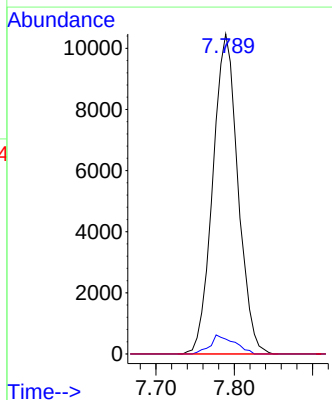
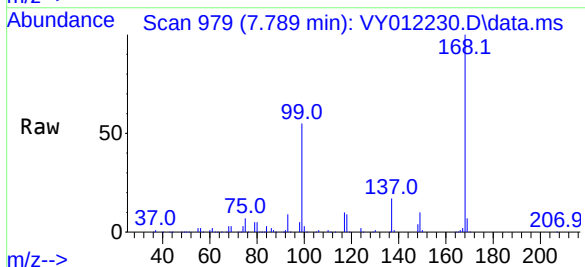
Tgt Ion: 117 Resp: 23381

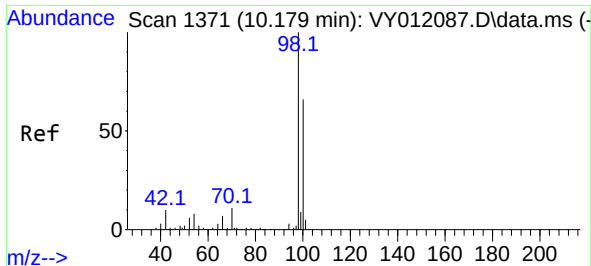
Ion Ratio Lower Upper

117 100

119 4.7 73.8 110.8#

121 0.0 25.2 37.8#

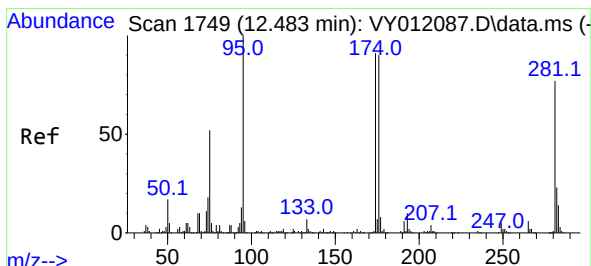
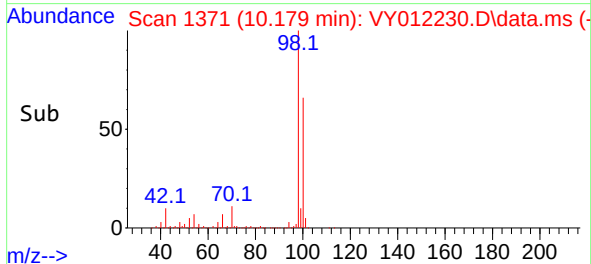
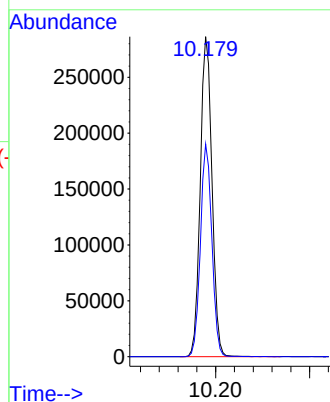
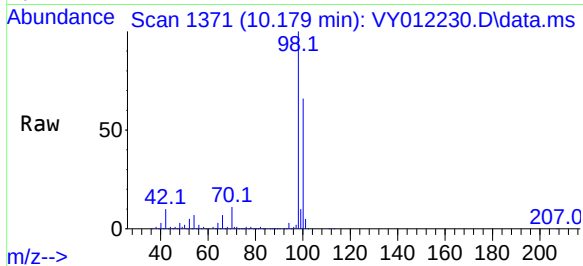




#50
Toluene-d8
Concen: 66.126 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012230.D
Acq: 17 Jan 2023 18:00

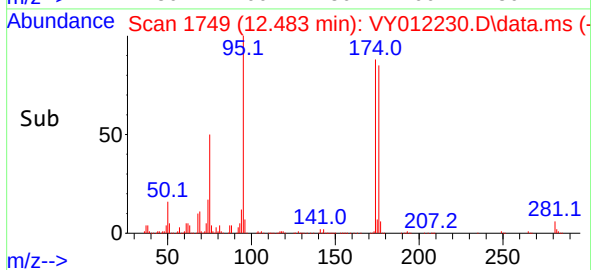
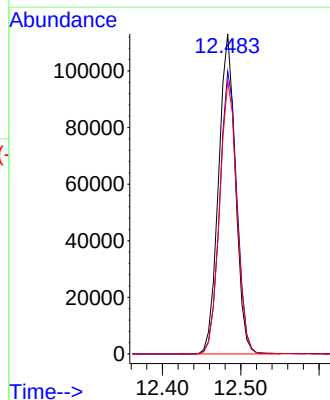
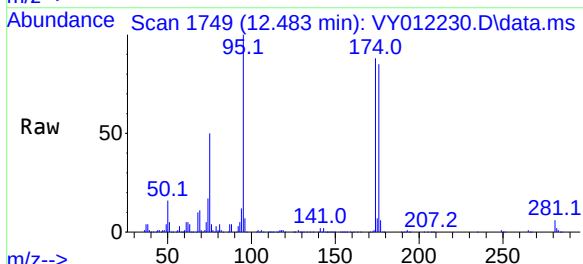
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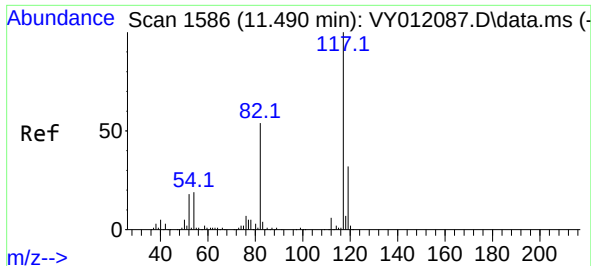
Tgt Ion: 98 Resp: 495271
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 54.555 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012230.D
Acq: 17 Jan 2023 18:00

Tgt Ion: 95 Resp: 169834
Ion Ratio Lower Upper
95 100
174 90.4 0.0 172.0
176 87.2 0.0 167.6

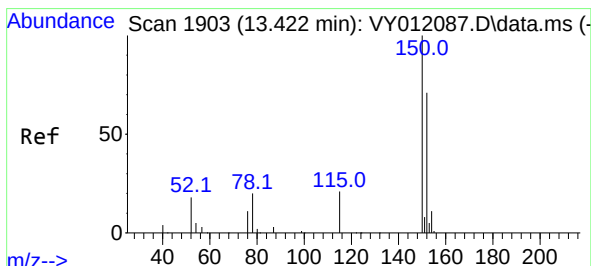
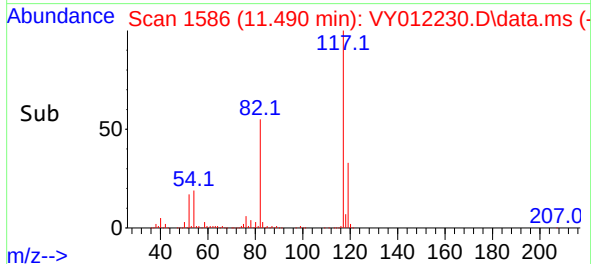
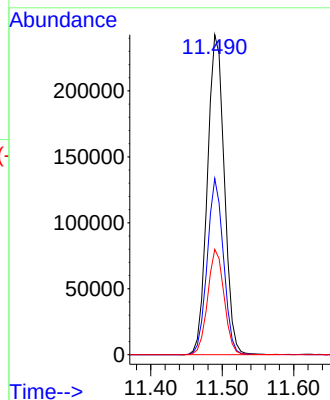
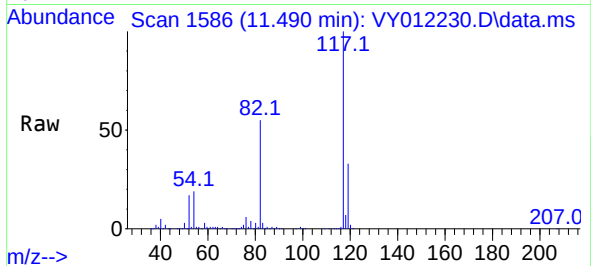




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY012230.D
Acq: 17 Jan 2023 18:00

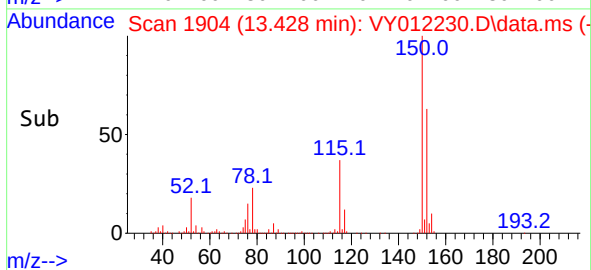
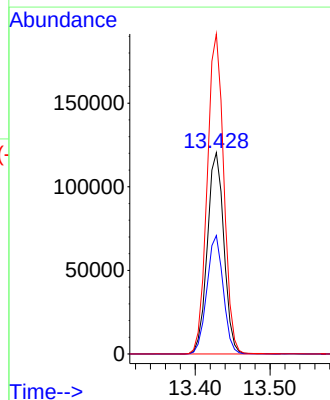
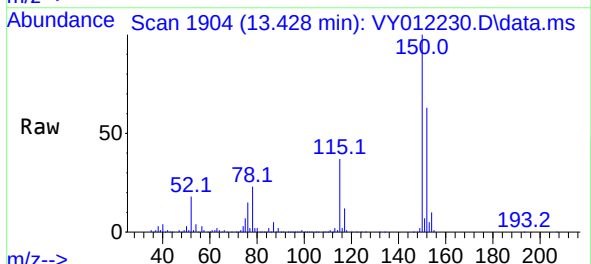
Instrument :
MSVOA_Y
ClientSampleId :
YARD-2

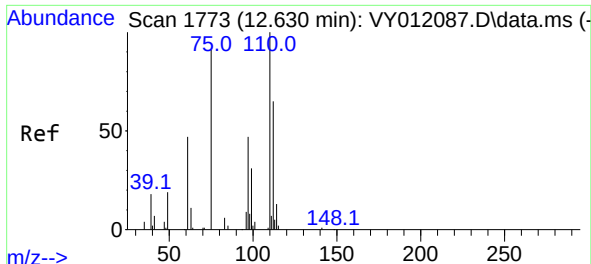
Tgt Ion:117 Resp: 398835
Ion Ratio Lower Upper
117 100
82 55.1 44.8 67.2
119 32.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012230.D
Acq: 17 Jan 2023 18:00

Tgt Ion:152 Resp: 185933
Ion Ratio Lower Upper
152 100
115 58.1 29.1 87.3
150 158.6 0.0 342.6

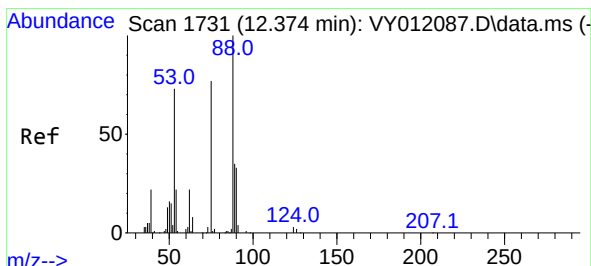
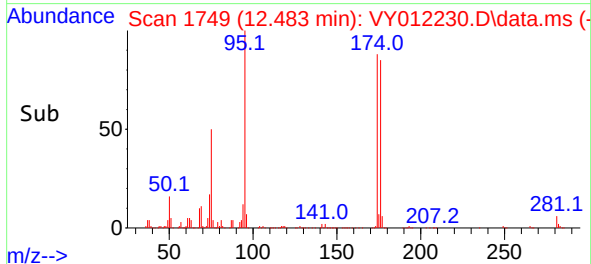
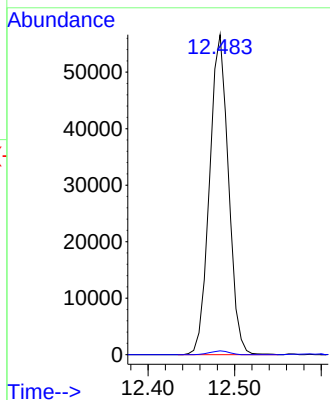
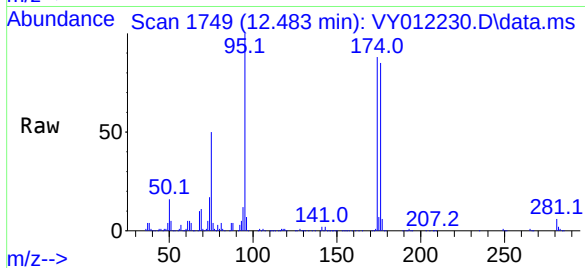




#76
1,2,3-Trichloropropane
Concen: 50.294 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012230.D
Acq: 17 Jan 2023 18:00

Instrument :
MSVOA_Y
ClientSampleId :
YARD-2

Tgt Ion: 75 Resp: 85988
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.627 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012230.D
Acq: 17 Jan 2023 18:00

Tgt Ion: 75 Resp: 85988
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

