

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012229.D
 Acq On : 17 Jan 2023 17:36
 Operator : KP/MD
 Sample : 01175-01
 Misc : 5.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 YARD-1

Quant Time: Jan 18 00:33:56 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	247597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	425799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	404078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	187727	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	138456	68.954	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	137.900%
35) Dibromofluoromethane	7.716	113	130629	57.939	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.880%
50) Toluene-d8	10.179	98	501794	65.586	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	131.180%
62) 4-Bromofluorobenzene	12.483	95	171433	53.938	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.880%

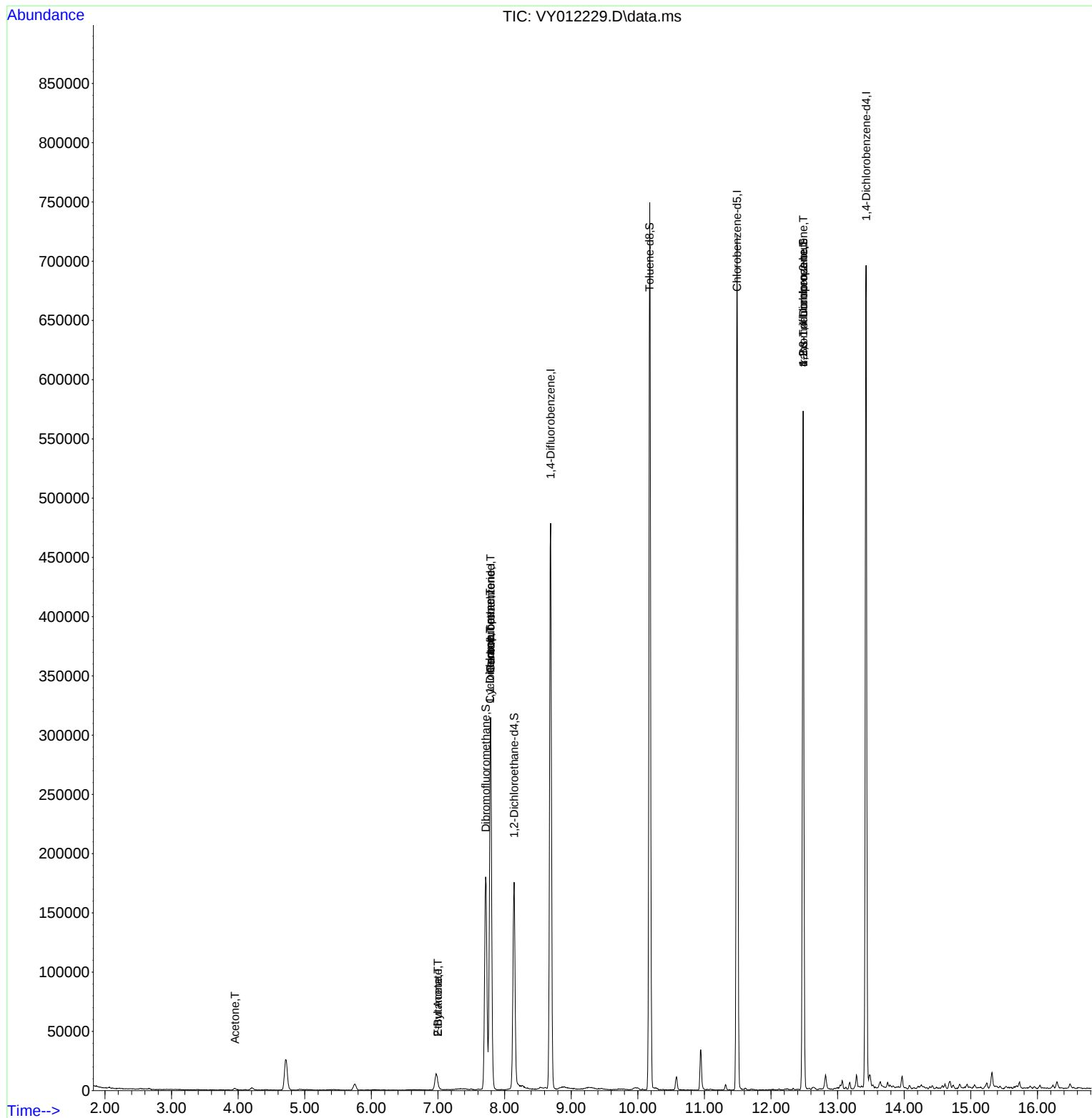
Target Compounds					Qvalue
11) Tert butyl alcohol	4.917	59	406	Below Cal	# 74
16) Acetone	3.954	43	2462	3.571 ug/l	# 76
20) Methylene Chloride	4.716	84	21357	Below Cal	91
25) 2-Butanone	6.996	43	2312	3.038 ug/l	# 84
31) Cyclohexane	7.783	56	4298	1.191 ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	17439	4.551 ug/l	# 50
37) Ethyl Acetate	6.996	43	2312	1.369 ug/l	# 68
38) Carbon Tetrachloride	7.789	117	24006	4.851 ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	87125	50.472 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	87125	103.994 ug/l	# 13

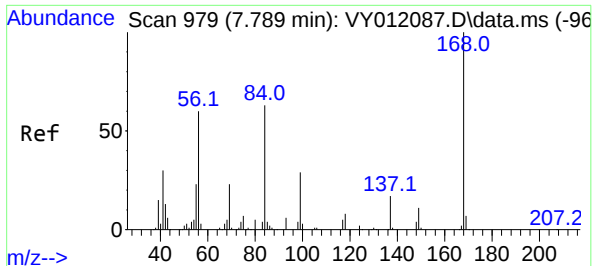
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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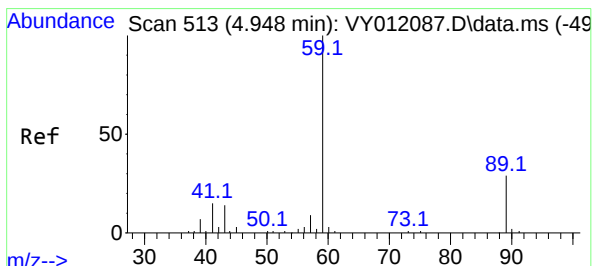
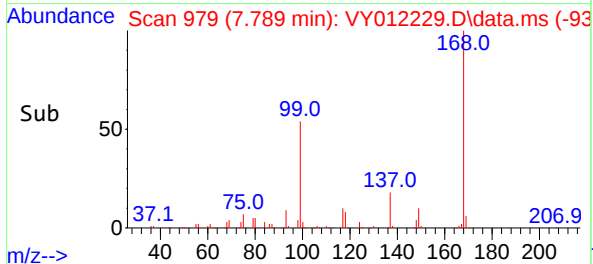
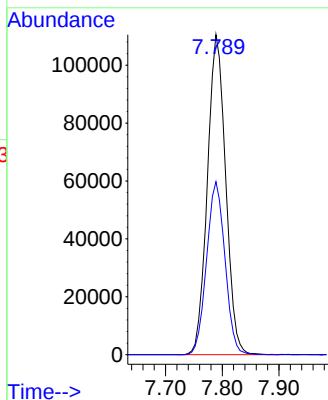
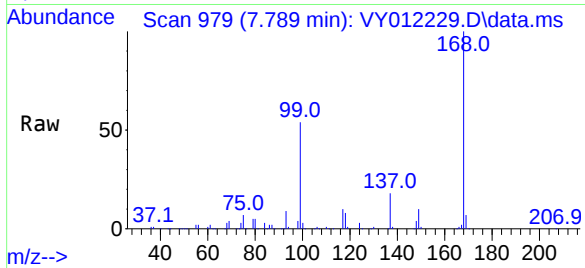




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012229.D
Acq: 17 Jan 2023 17:36

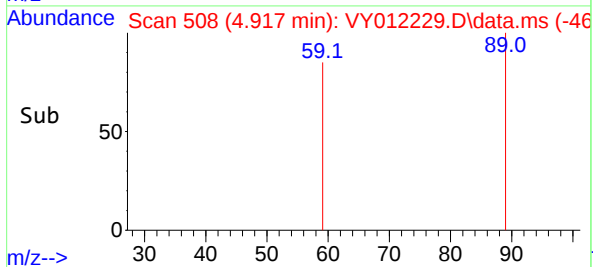
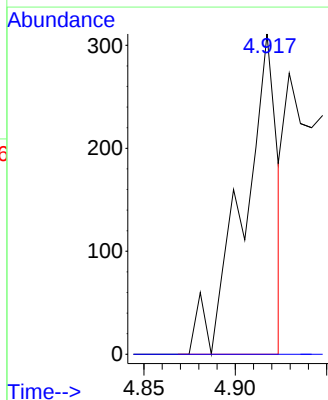
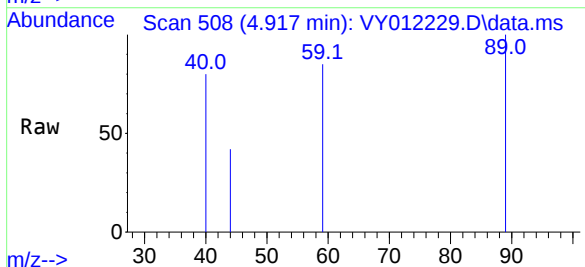
Instrument :
MSVOA_Y
ClientSampleId :
YARD-1

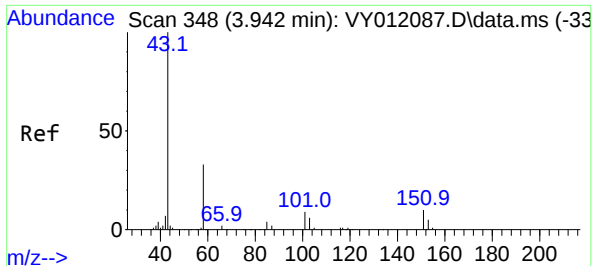
Tgt Ion:168 Resp: 247597
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 508
Delta R.T. -0.031 min
Lab File: VY012229.D
Acq: 17 Jan 2023 17:36

Tgt Ion: 59 Resp: 406
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 3.571 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY012229.D

Acq: 17 Jan 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

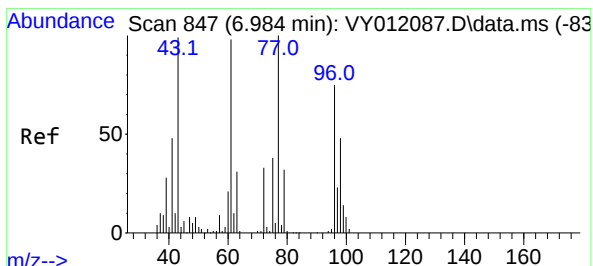
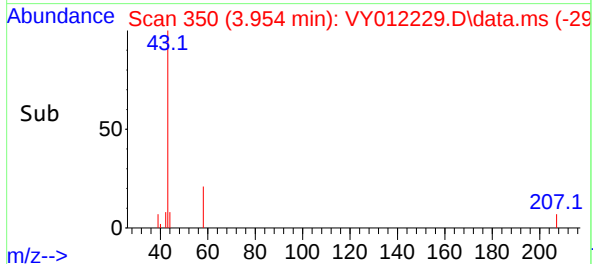
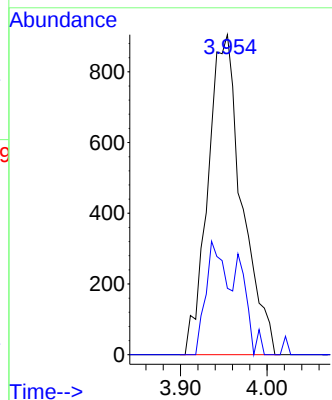
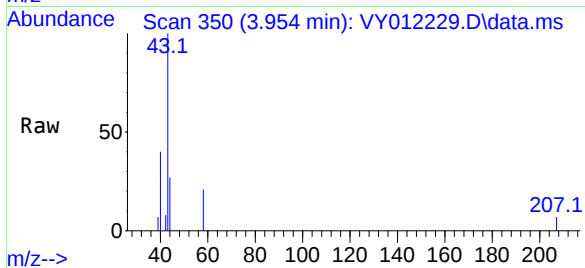
YARD-1

Tgt Ion: 43 Resp: 2462

Ion Ratio Lower Upper

43 100

58 20.8 27.9 41.9#



#25

2-Butanone

Concen: 3.038 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY012229.D

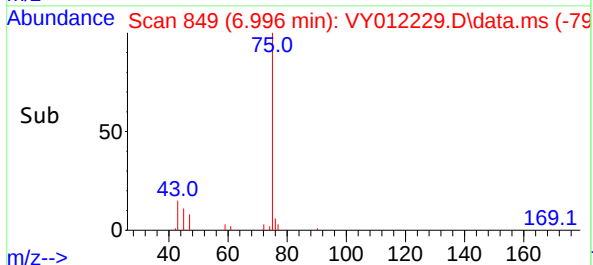
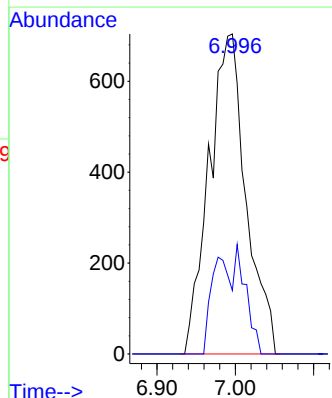
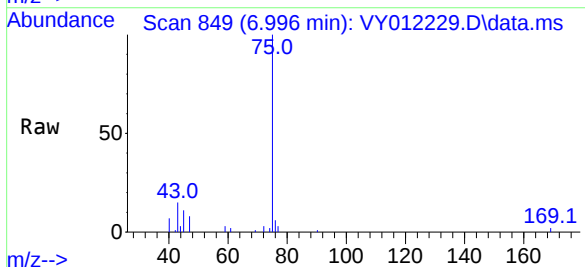
Acq: 17 Jan 2023 17:36

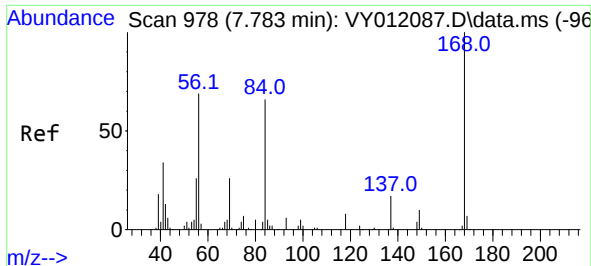
Tgt Ion: 43 Resp: 2312

Ion Ratio Lower Upper

43 100

72 19.9 22.6 34.0#

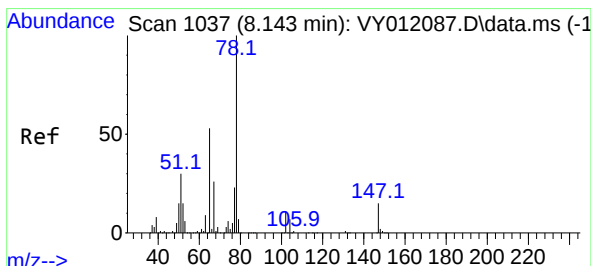
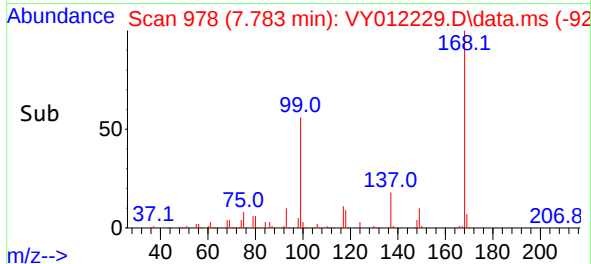
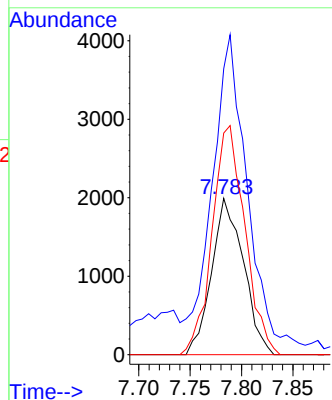
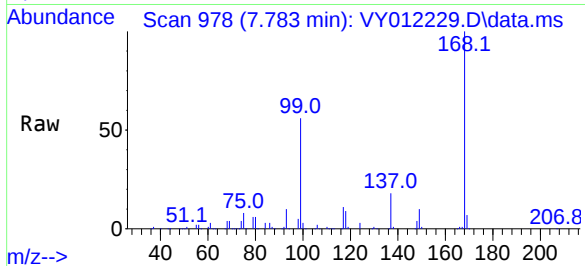




#31
Cyclohexane
Concen: 1.191 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012229.D
Acq: 17 Jan 2023 17:36

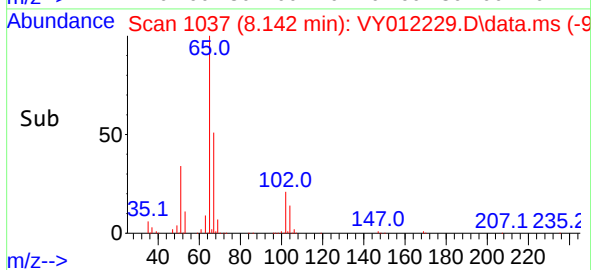
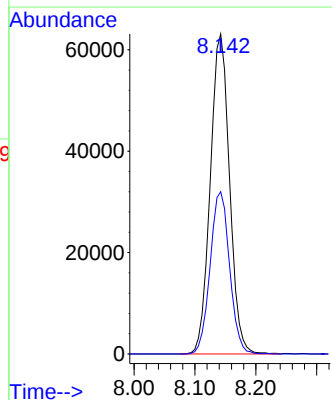
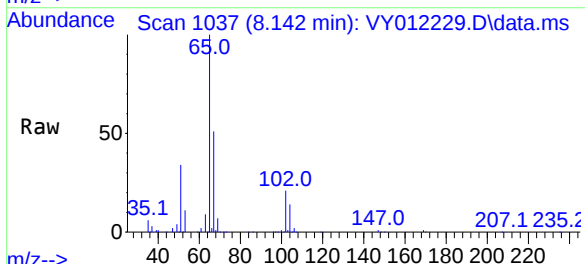
Instrument :
MSVOA_Y
ClientSampleId :
YARD-1

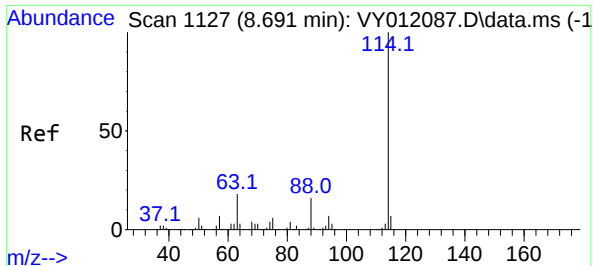
Tgt Ion: 56 Resp: 4298
Ion Ratio Lower Upper
56 100
69 171.8 29.2 43.8#
84 141.8 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 68.954 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012229.D
Acq: 17 Jan 2023 17:36

Tgt Ion: 65 Resp: 138456
Ion Ratio Lower Upper
65 100
67 51.2 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: VY012229.D

Acq: 17 Jan 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

YARD-1

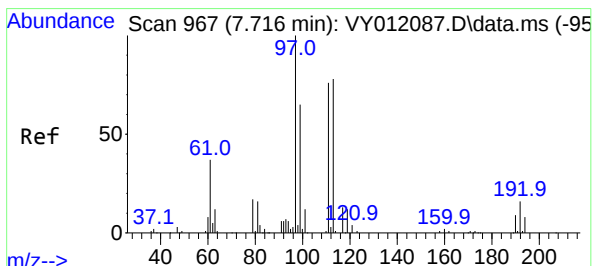
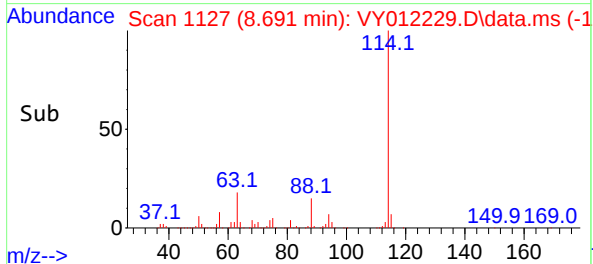
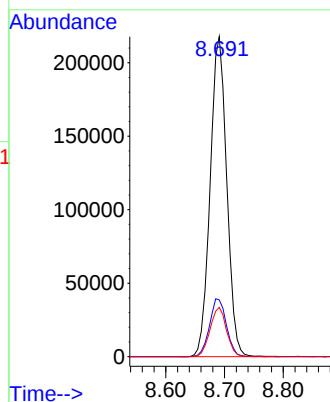
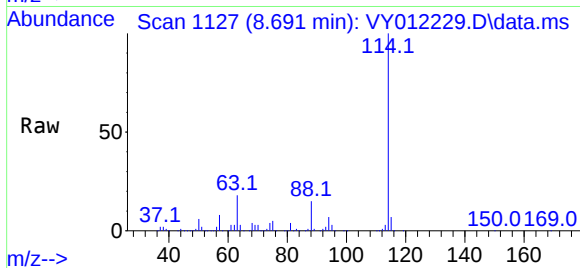
Tgt Ion:114 Resp: 425799

Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.939 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012229.D

Acq: 17 Jan 2023 17:36

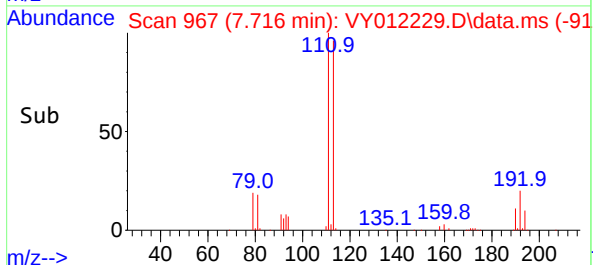
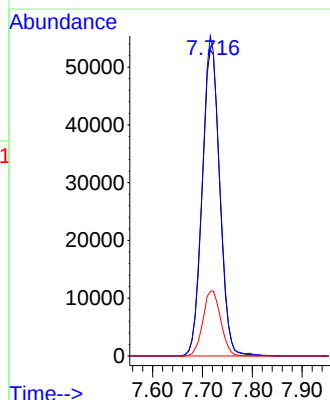
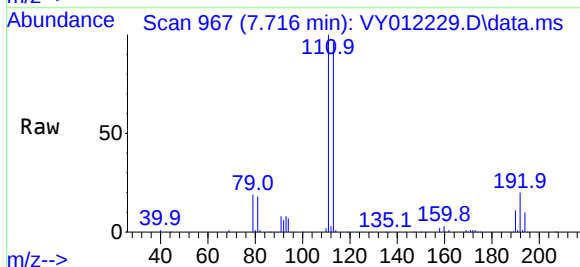
Tgt Ion:113 Resp: 130629

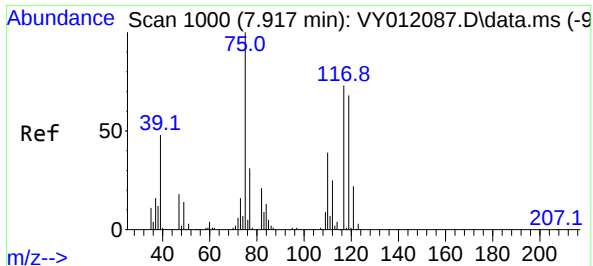
Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.4

192 21.3 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.551 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012229.D

Acq: 17 Jan 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

YARD-1

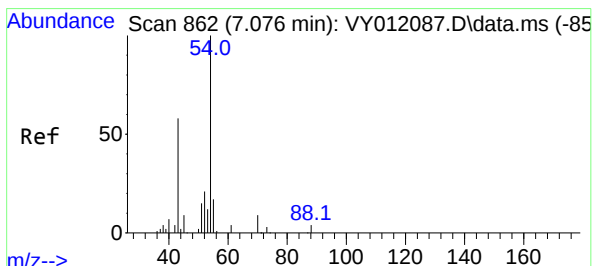
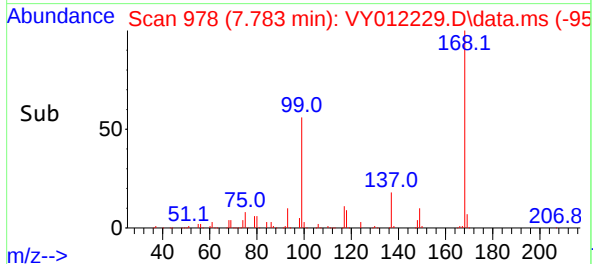
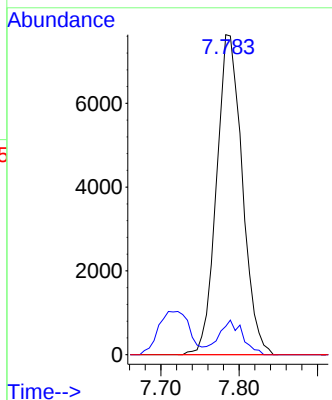
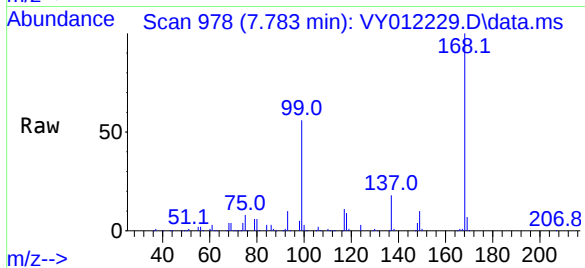
Tgt Ion: 75 Resp: 17439

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.369 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.080 min

Lab File: VY012229.D

Acq: 17 Jan 2023 17:36

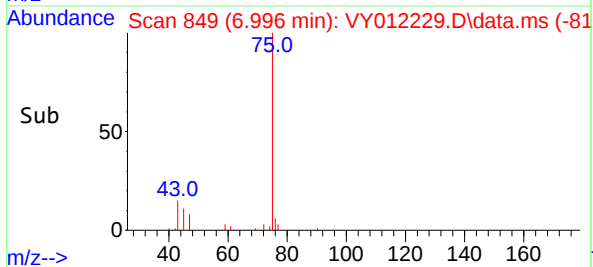
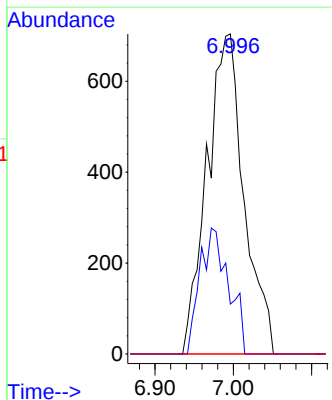
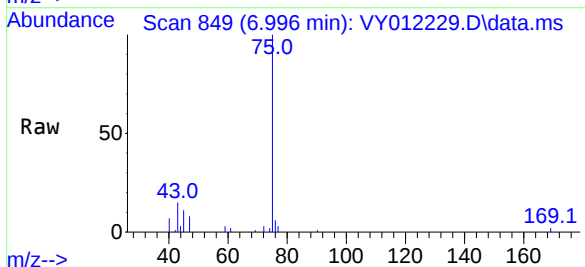
Tgt Ion: 43 Resp: 2312

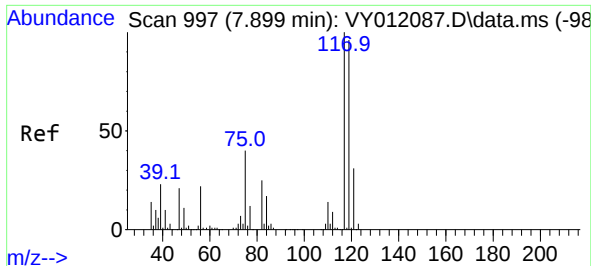
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 8.2 12.4#

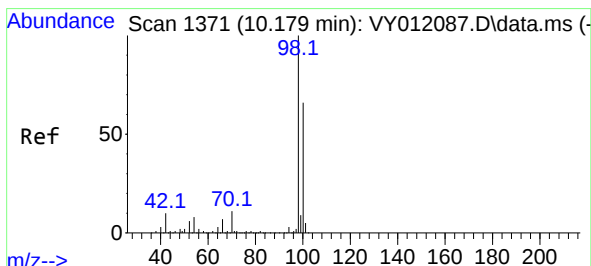
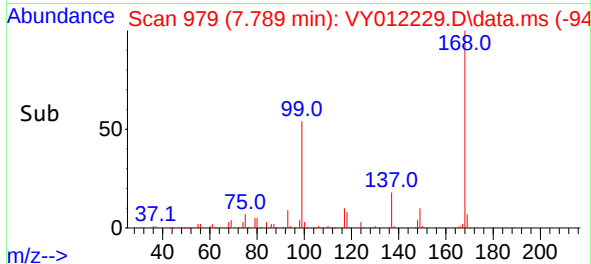
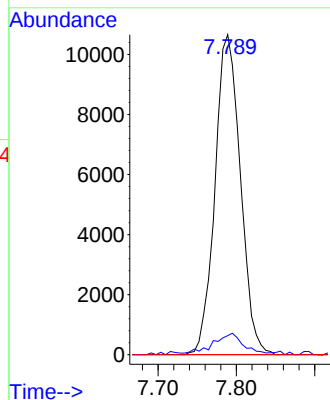
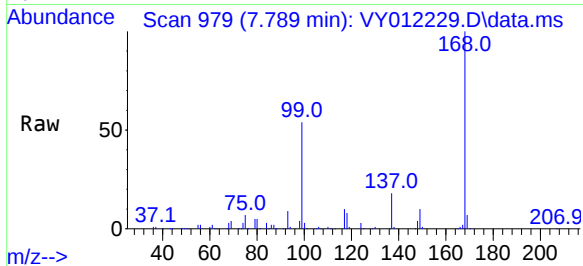




#38
Carbon Tetrachloride
Concen: 4.851 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012229.D
Acq: 17 Jan 2023 17:36

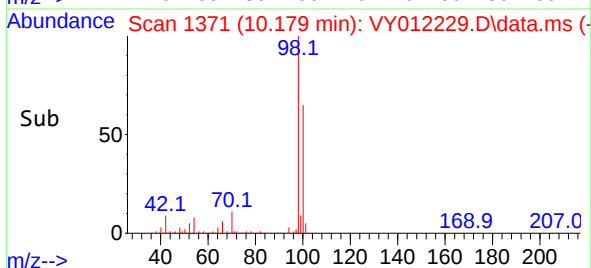
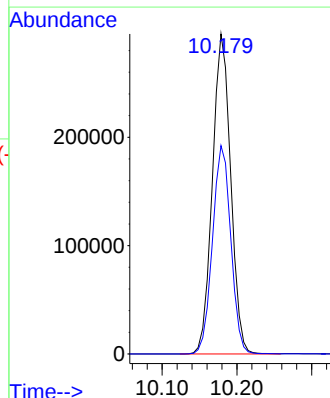
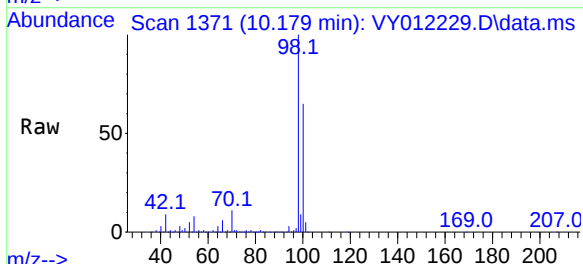
Instrument :
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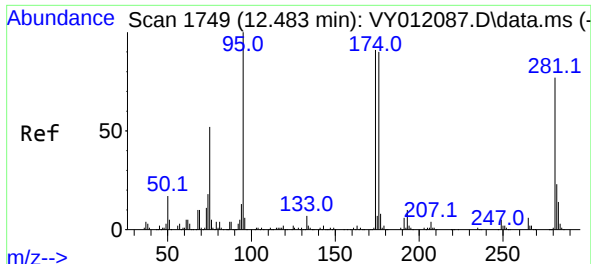
Tgt Ion:117 Resp: 24006
Ion Ratio Lower Upper
117 100
119 5.4 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 65.586 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012229.D
Acq: 17 Jan 2023 17:36

Tgt Ion: 98 Resp: 501794
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

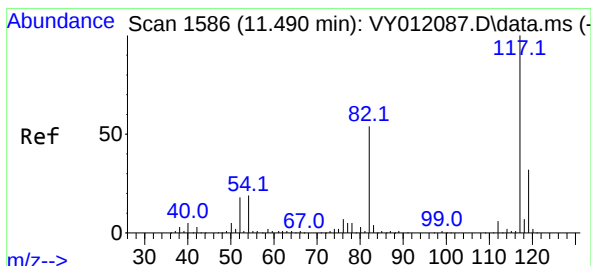
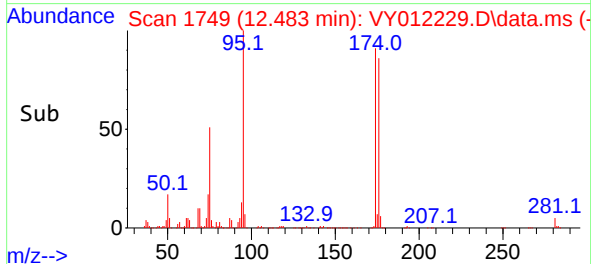
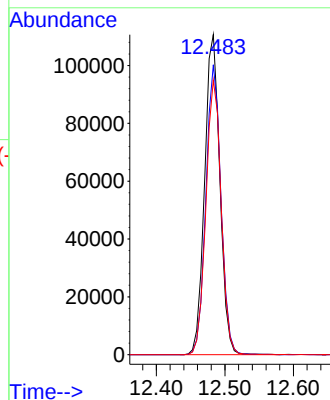
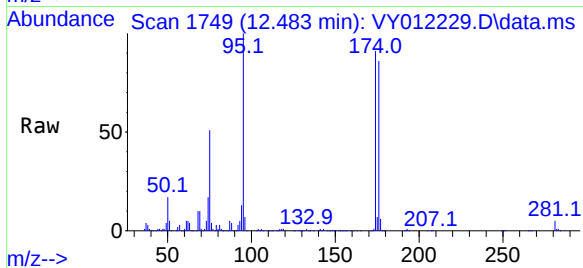




#62
4-Bromofluorobenzene
Concen: 53.938 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012229.D
Acq: 17 Jan 2023 17:36

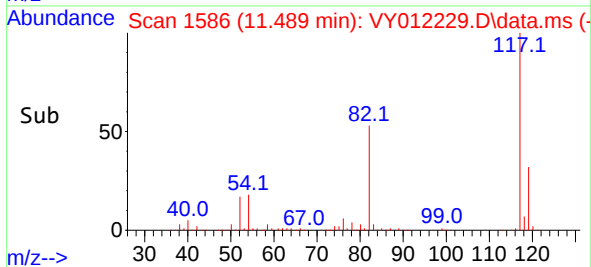
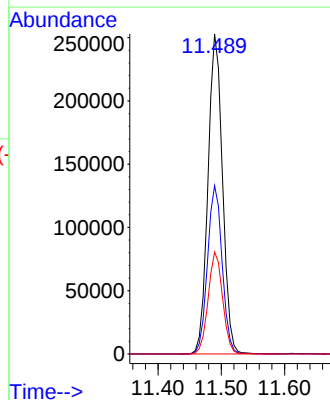
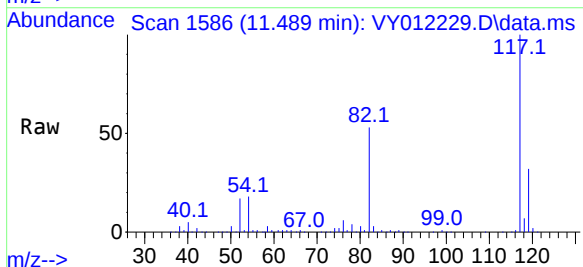
Instrument :
MSVOA_Y
ClientSampleId :
YARD-1

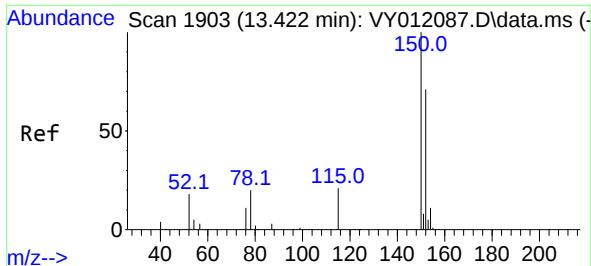
Tgt Ion: 95 Resp: 171433
Ion Ratio Lower Upper
95 100
174 89.7 0.0 172.0
176 86.0 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012229.D
Acq: 17 Jan 2023 17:36

Tgt Ion: 117 Resp: 404078
Ion Ratio Lower Upper
117 100
82 52.6 44.8 67.2
119 31.8 25.4 38.2

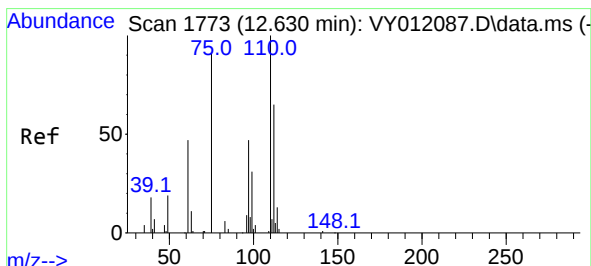
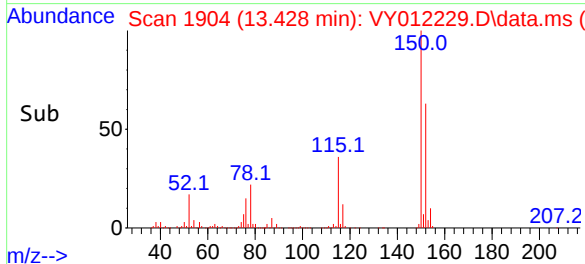
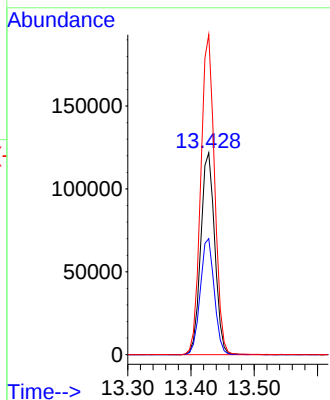
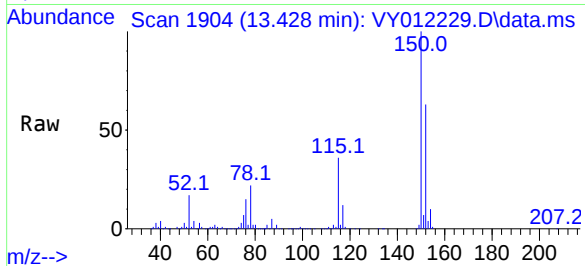




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY012229.D
 Acq: 17 Jan 2023 17:36

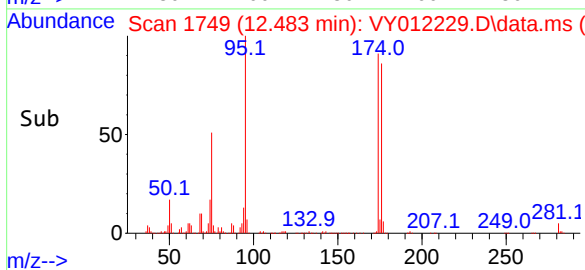
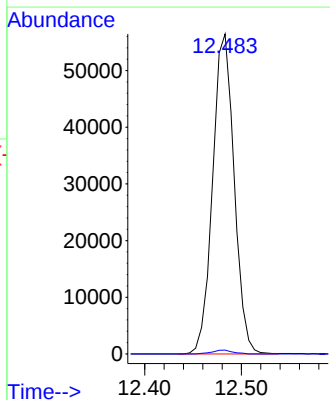
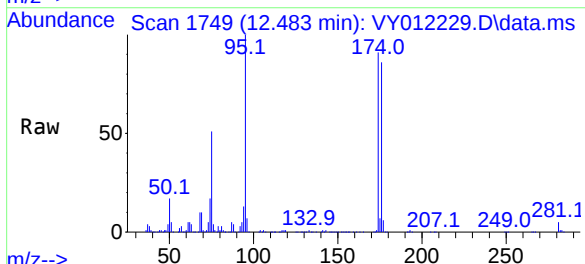
Instrument :
 MSVOA_Y
 ClientSampleId :
 YARD-1

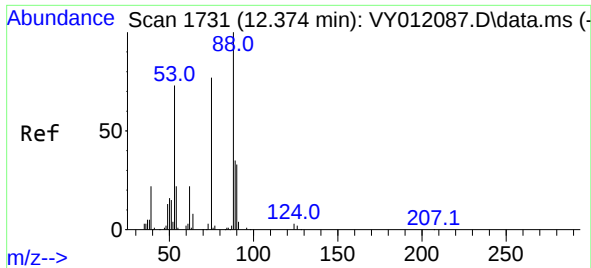
Tgt Ion:152 Resp: 187727
 Ion Ratio Lower Upper
 152 100
 115 57.6 29.1 87.3
 150 157.0 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 50.472 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY012229.D
 Acq: 17 Jan 2023 17:36

Tgt Ion: 75 Resp: 87125
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 103.994 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012229.D
Acq: 17 Jan 2023 17:36

Instrument :
MSVOA_Y
ClientSampleId :
YARD-1

Tgt Ion: 75 Resp: 87125
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.2 37.0 55.4#

