

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080122\
 Data File : VY009800.D
 Acq On : 01 Aug 2022 16:38
 Operator : KP/MD
 Sample : N3970-04
 Misc : 5.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MHB-LOWER

Quant Time: Aug 02 01:40:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

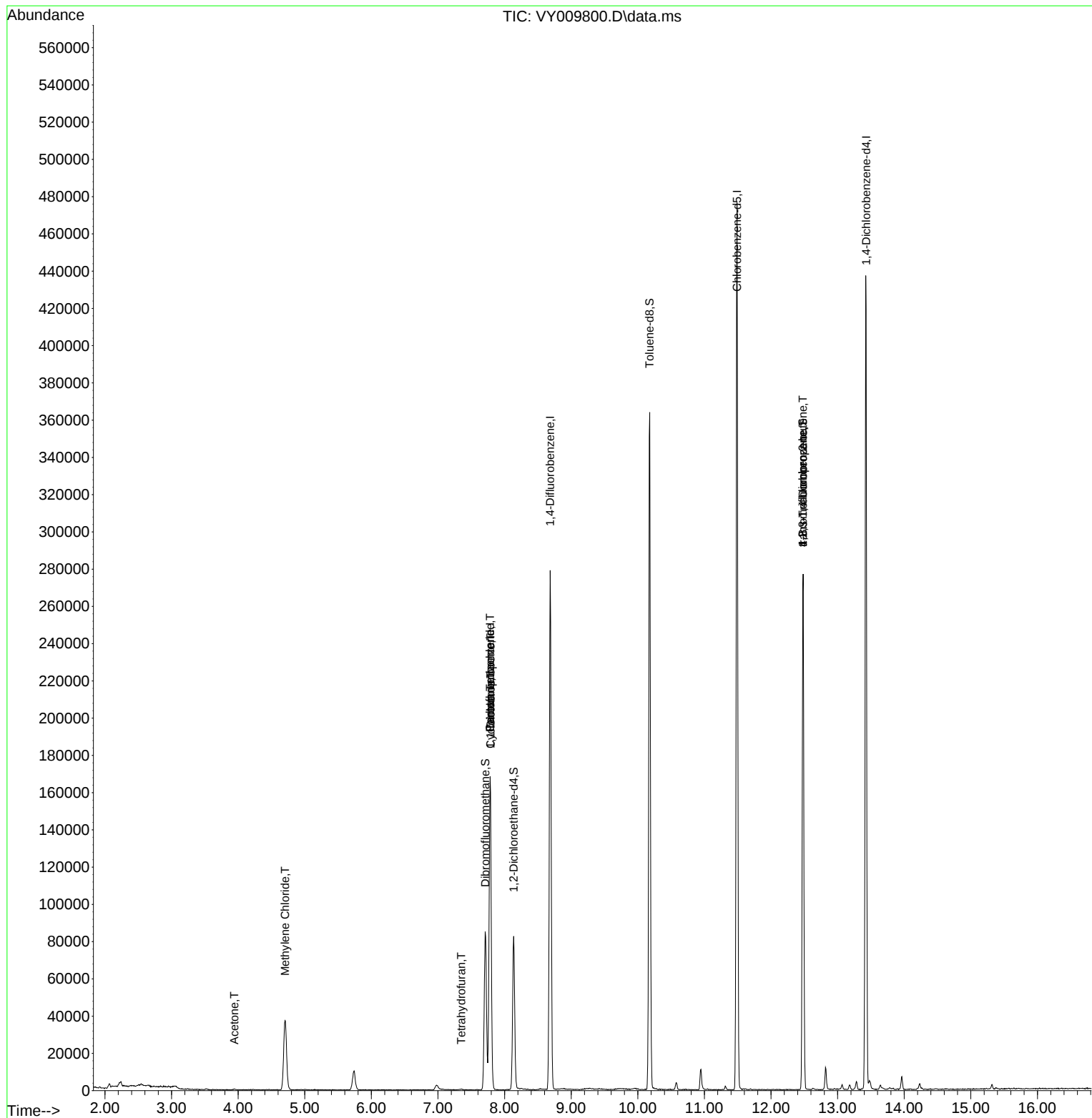
Internal Standards						
1) Pentafluorobenzene	7.783	168	139709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	243364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	266927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	61106	67.521	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.040%
35) Dibromofluoromethane	7.710	113	59447	44.913	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.820%
50) Toluene-d8	10.179	98	242053	63.979	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	127.960%#
62) 4-Bromofluorobenzene	12.477	95	77158	43.963	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	87.920%
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	730	2.185	ug/l	99
18) Methyl Acetate	4.478	43	157	Below Cal	#	56
20) Methylene Chloride	4.704	84	29243	10.607	ug/l	84
29) Tetrahydrofuran	7.350	42	349	1.118	ug/l #	55
31) Cyclohexane	7.789	56	2552	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9418	4.373	ug/l #	51
38) Carbon Tetrachloride	7.783	117	12408	5.377	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	38961	35.284	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	38961	70.332	ug/l #	7

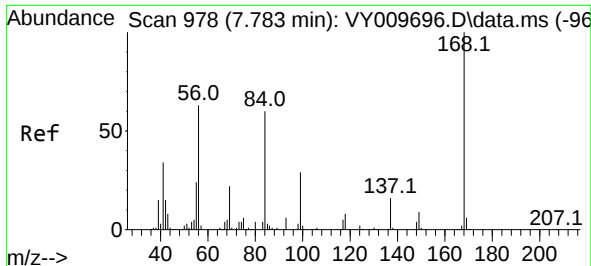
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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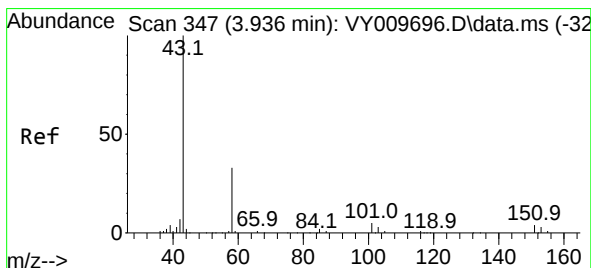
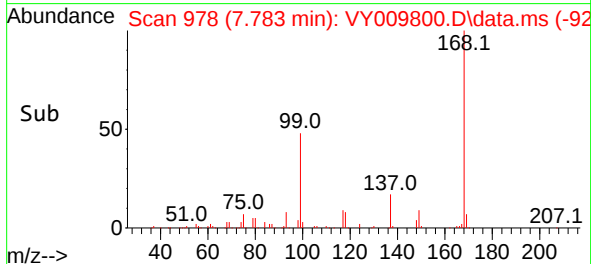
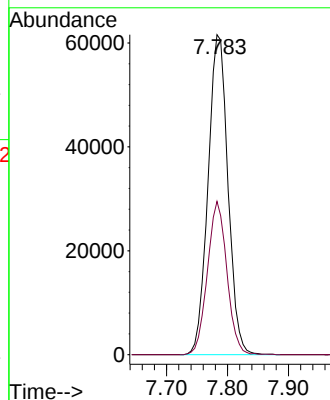
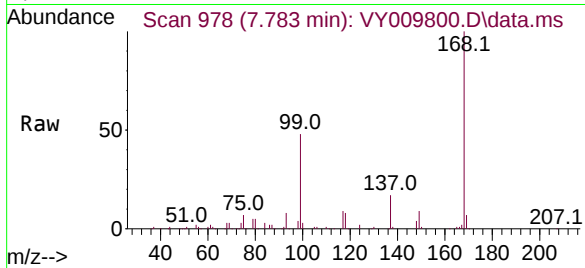




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009800.D
Acq: 01 Aug 2022 16:38

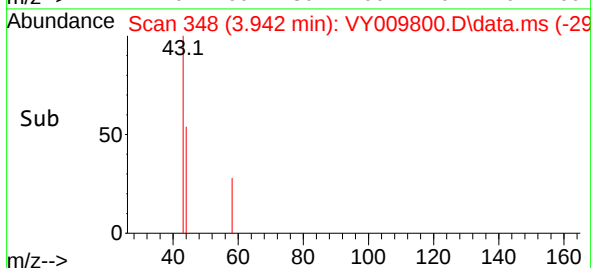
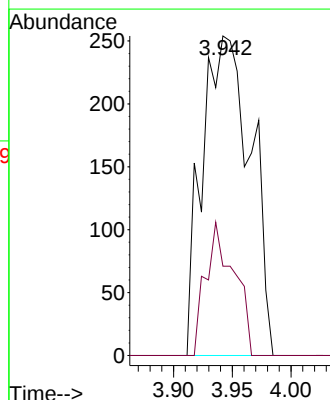
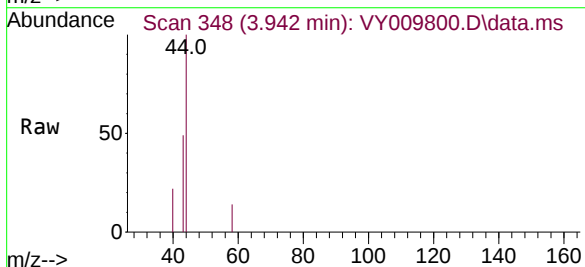
Instrument :
MSVOA_Y
ClientSampleId :
MHB-LOWER

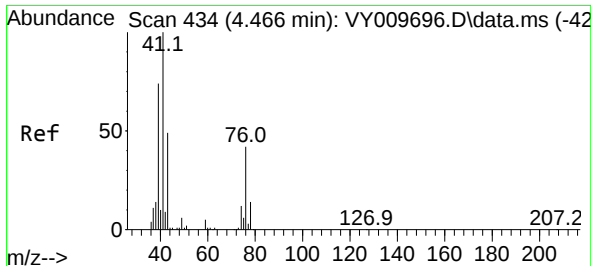
Tgt Ion:168 Resp: 139709
Ion Ratio Lower Upper
168 100
99 47.9 46.9 70.3



#16
Acetone
Concen: 2.185 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY009800.D
Acq: 01 Aug 2022 16:38

Tgt Ion: 43 Resp: 730
Ion Ratio Lower Upper
43 100
58 28.0 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.478 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY009800.D

Acq: 01 Aug 2022 16:38

Instrument :

MSVOA_Y

ClientSampleId :

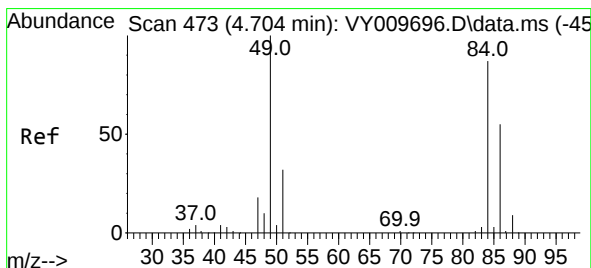
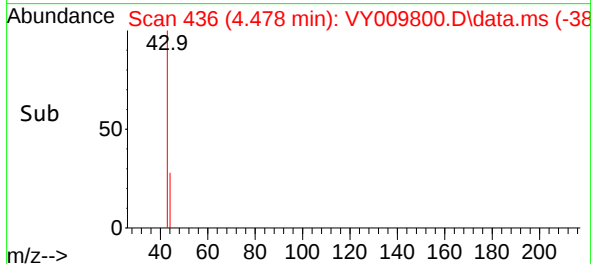
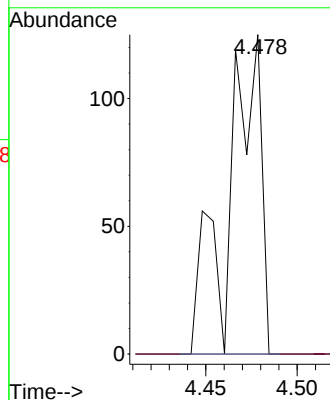
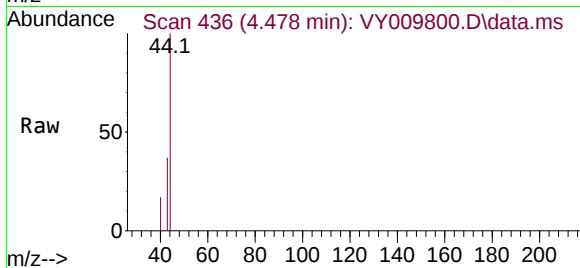
MHB-LOWER

Tgt Ion: 43 Resp: 157

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: 10.607 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY009800.D

Acq: 01 Aug 2022 16:38

Tgt Ion: 84 Resp: 29243

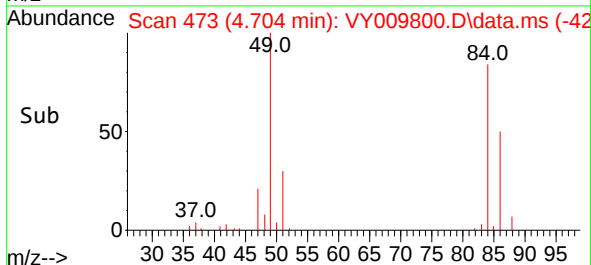
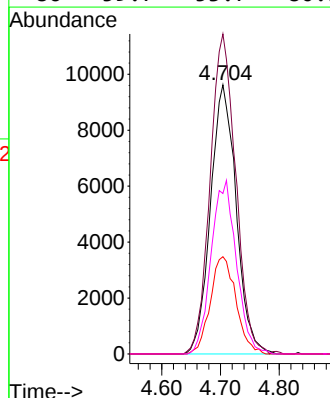
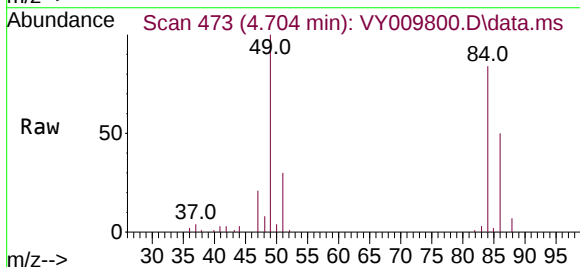
Ion Ratio Lower Upper

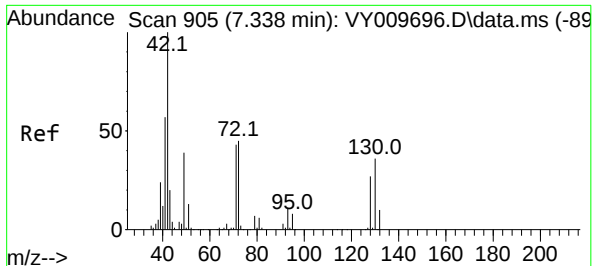
84 100

49 118.9 114.4 171.6

51 36.2 35.3 52.9

86 59.7 53.7 80.5





#29

Tetrahydrofuran

Concen: 1.118 ug/l

RT: 7.350 min Scan# 905

Delta R.T. 0.012 min

Lab File: VY009800.D

Acq: 01 Aug 2022 16:38

Instrument :

MSVOA_Y

ClientSampleId :

MHB-LOWER

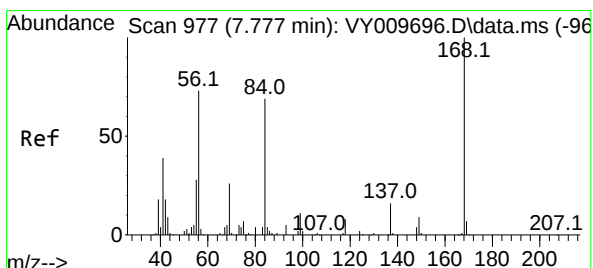
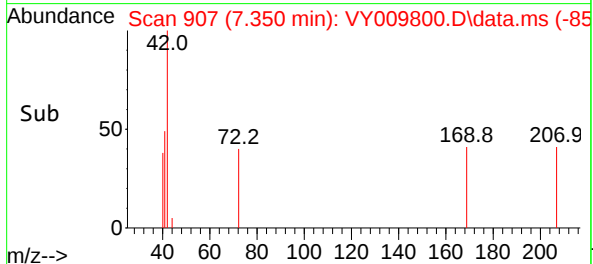
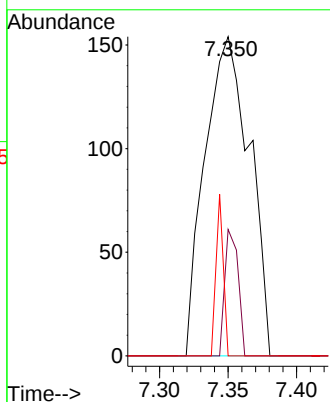
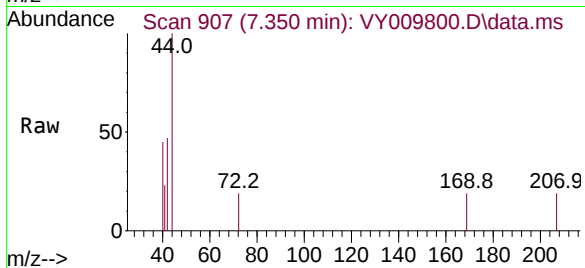
Tgt Ion: 42 Resp: 349

Ion Ratio Lower Upper

42 100

72 11.7 30.3 45.5#

71 8.3 29.0 43.4#



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY009800.D

Acq: 01 Aug 2022 16:38

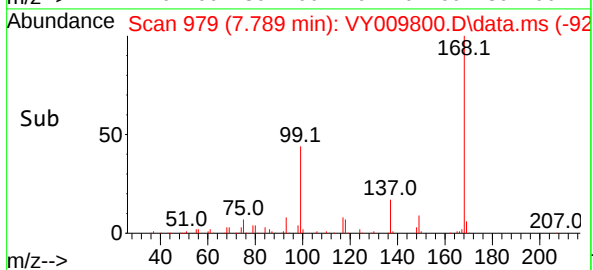
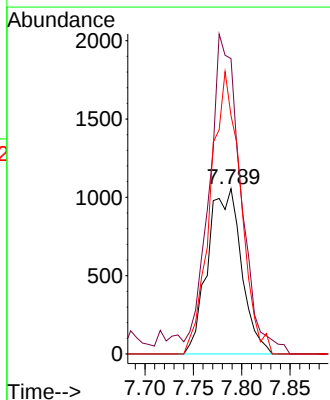
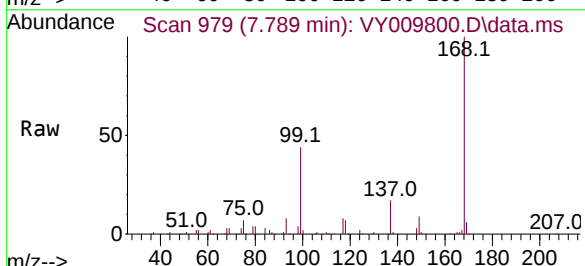
Tgt Ion: 56 Resp: 2552

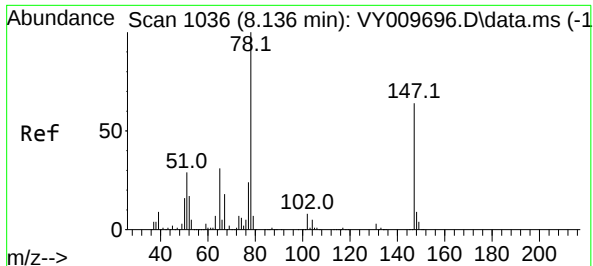
Ion Ratio Lower Upper

56 100

69 172.8 26.7 40.1#

84 144.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 67.521 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009800.D

Acq: 01 Aug 2022 16:38

Instrument :

MSVOA_Y

ClientSampleId :

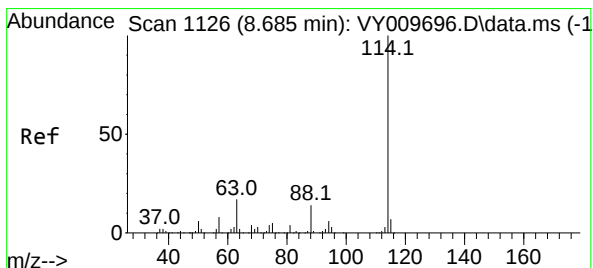
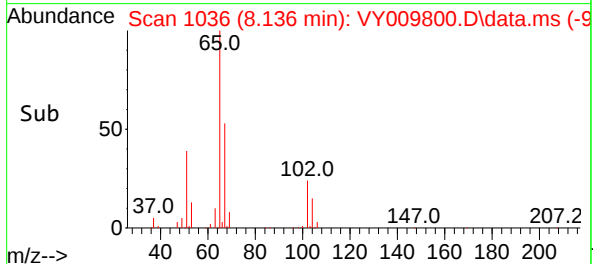
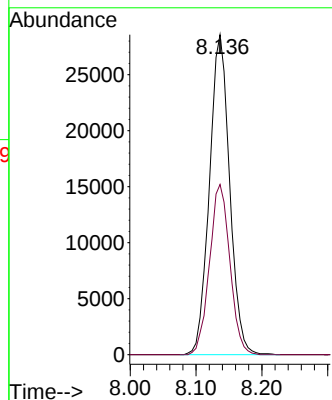
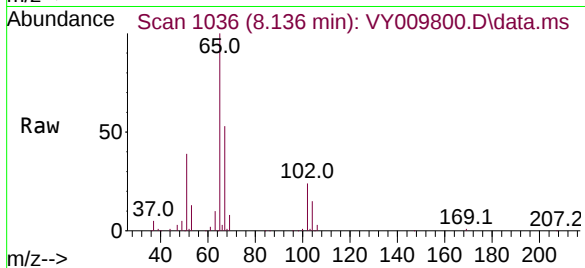
MHB-LOWER

Tgt Ion: 65 Resp: 61106

Ion Ratio Lower Upper

65 100

67 53.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009800.D

Acq: 01 Aug 2022 16:38

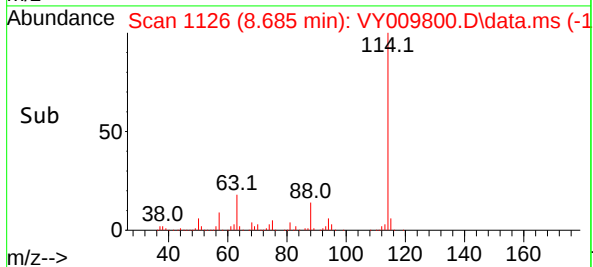
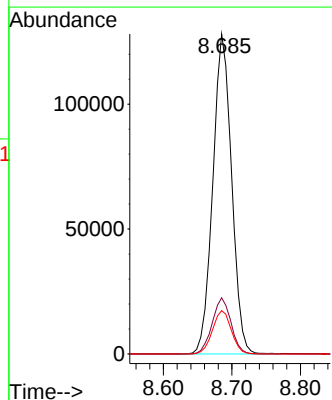
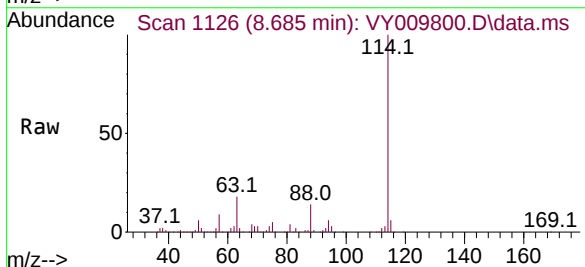
Tgt Ion: 114 Resp: 243364

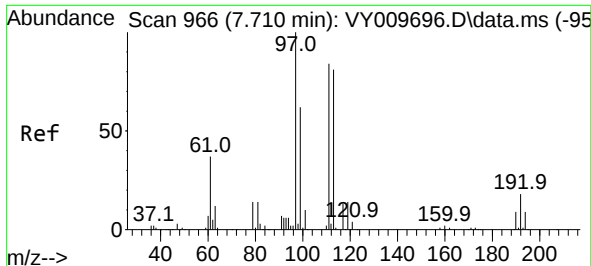
Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 13.6 0.0 31.8

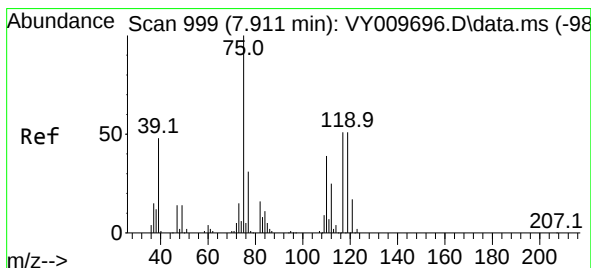
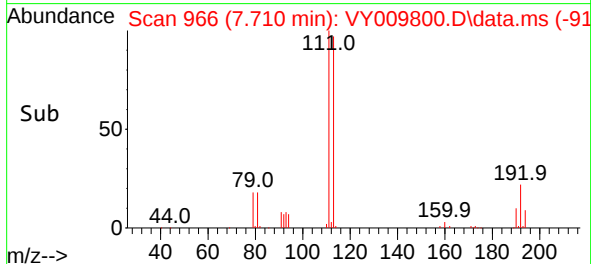
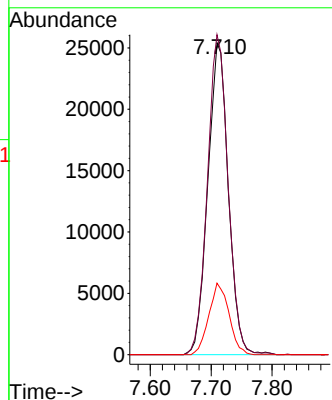
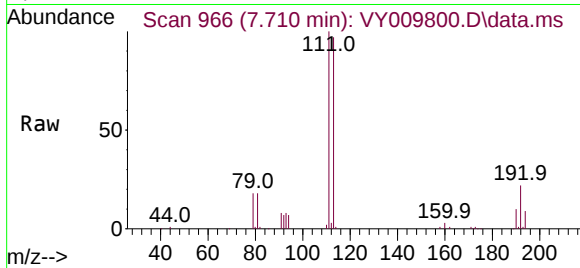




#35
Dibromofluoromethane
Concen: 44.913 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009800.D
Acq: 01 Aug 2022 16:38

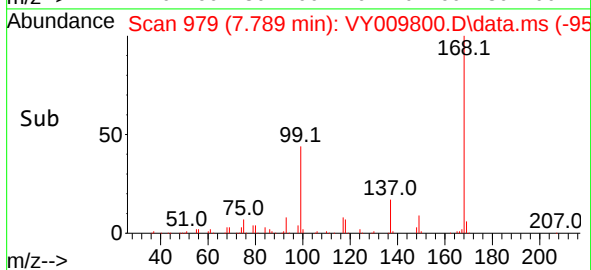
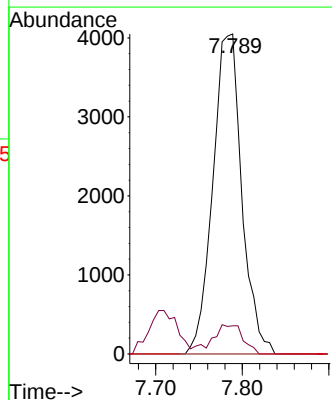
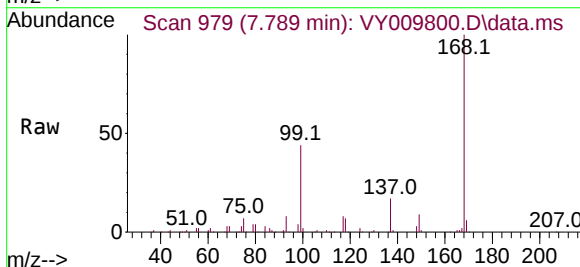
Instrument :
MSVOA_Y
ClientSampleId :
MHB-LOWER

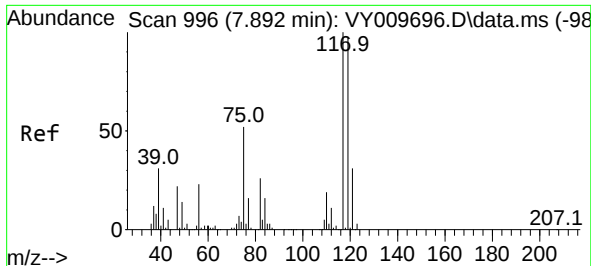
Tgt Ion:113 Resp: 59447
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 22.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.373 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY009800.D
Acq: 01 Aug 2022 16:38

Tgt Ion: 75 Resp: 9418
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#

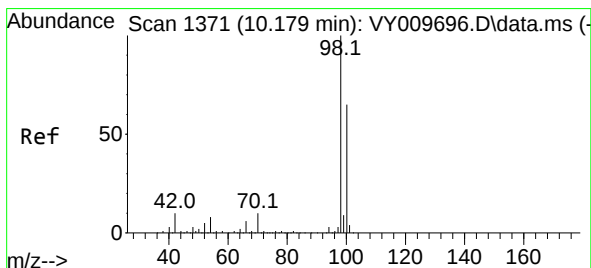
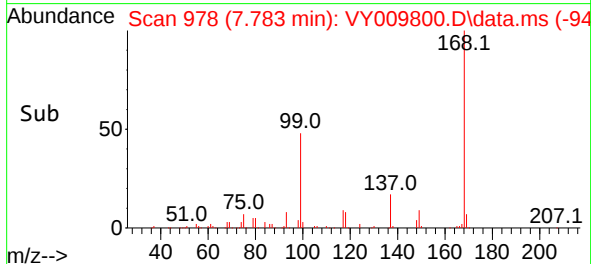
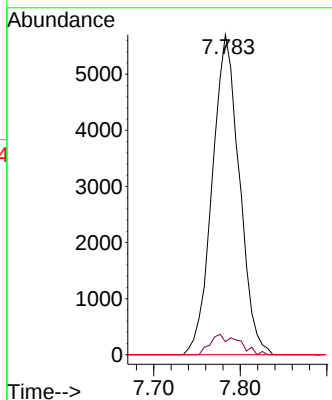
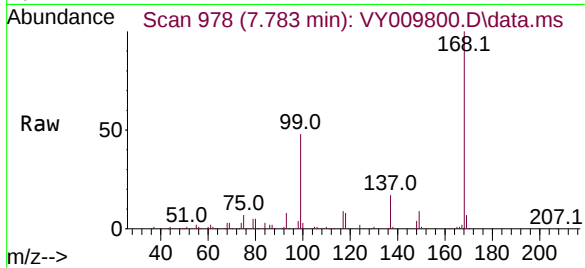




#38
Carbon Tetrachloride
Concen: 5.377 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009800.D
Acq: 01 Aug 2022 16:38

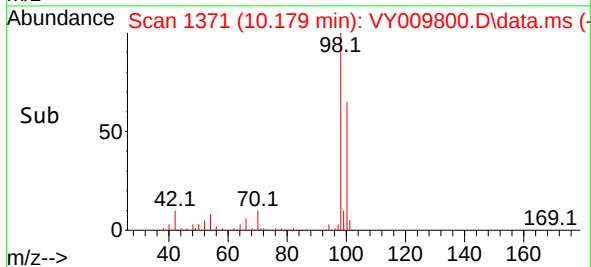
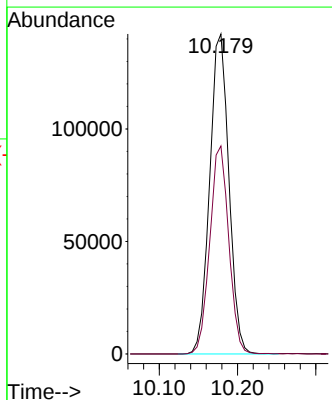
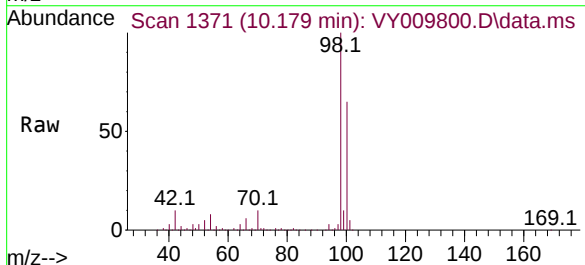
Instrument :
MSVOA_Y
ClientSampleId :
MHB-LOWER

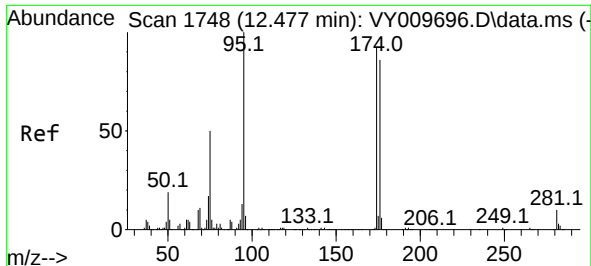
Tgt Ion:117 Resp: 12408
Ion Ratio Lower Upper
117 100
119 4.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 63.979 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009800.D
Acq: 01 Aug 2022 16:38

Tgt Ion: 98 Resp: 242053
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

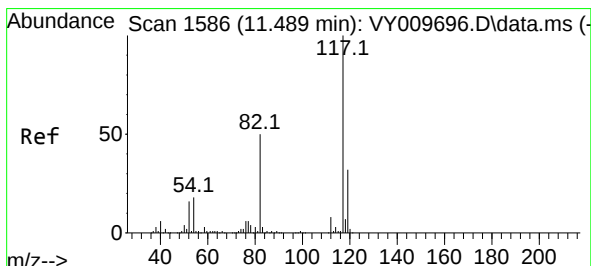
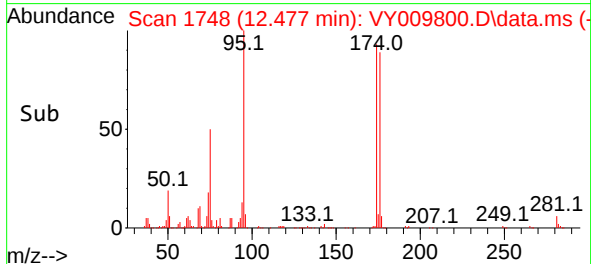
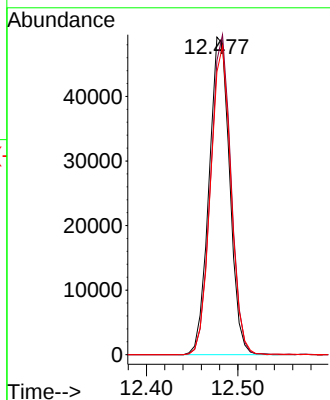
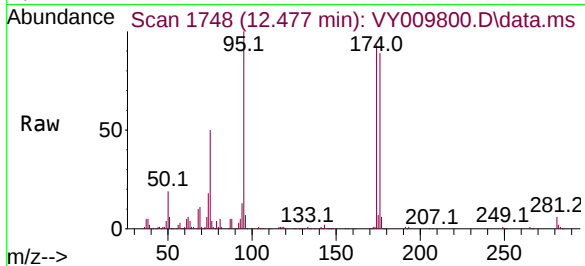




#62
4-Bromofluorobenzene
Concen: 43.963 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009800.D
Acq: 01 Aug 2022 16:38

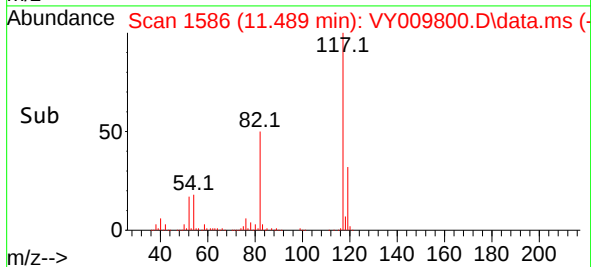
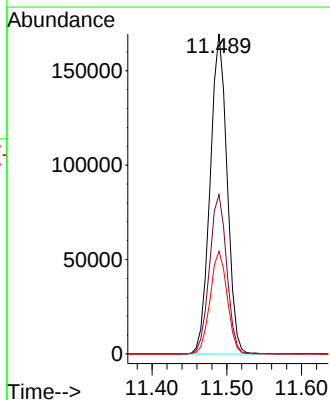
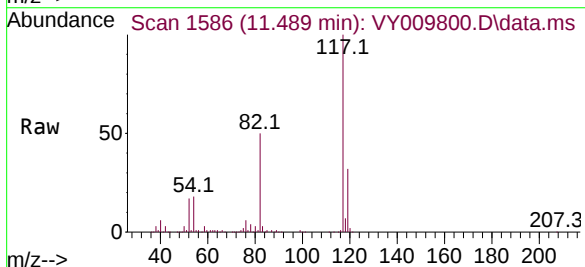
Instrument :
MSVOA_Y
ClientSampleId :
MHB-LOWER

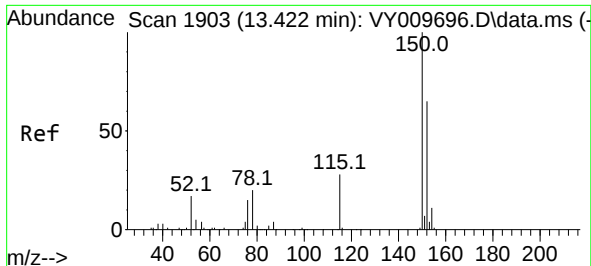
Tgt Ion: 95 Resp: 77158
Ion Ratio Lower Upper
95 100
174 99.3 0.0 177.0
176 96.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009800.D
Acq: 01 Aug 2022 16:38

Tgt Ion: 117 Resp: 266927
Ion Ratio Lower Upper
117 100
82 49.8 43.0 64.4
119 32.1 25.4 38.0

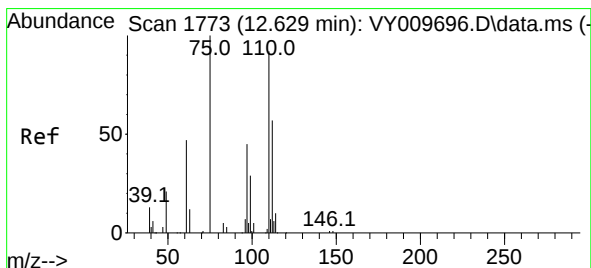
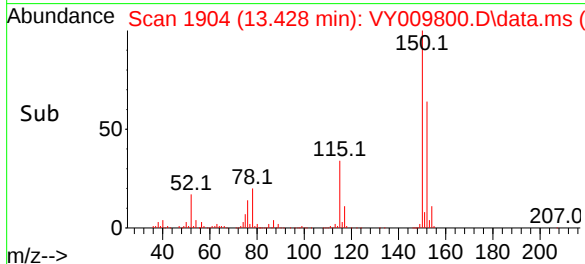
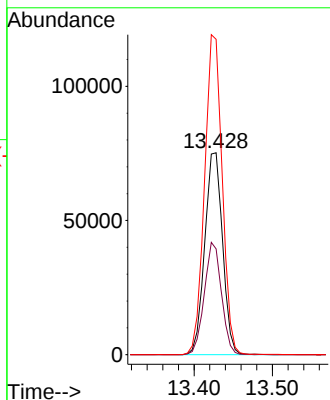
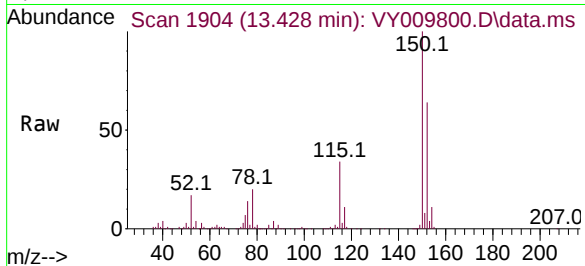




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY009800.D
Acq: 01 Aug 2022 16:38

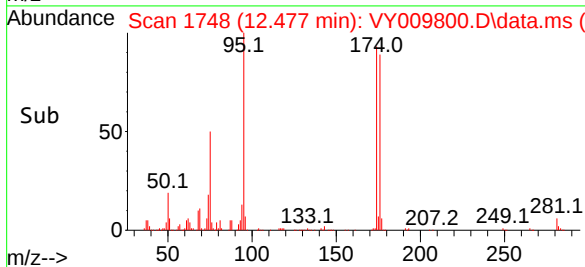
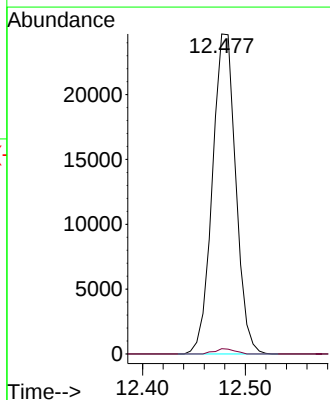
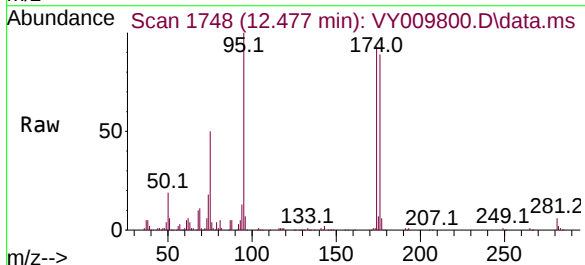
Instrument :
MSVOA_Y
ClientSampleId :
MHB-LOWER

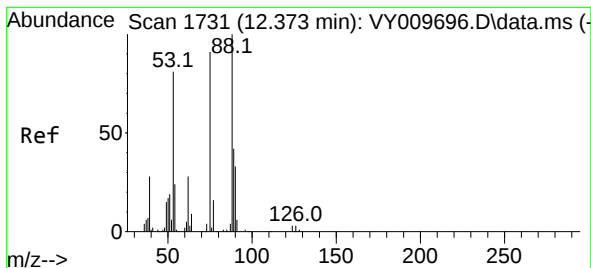
Tgt Ion:152 Resp: 118878
Ion Ratio Lower Upper
152 100
115 53.4 28.2 84.7
150 156.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 35.284 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009800.D
Acq: 01 Aug 2022 16:38

Tgt Ion: 75 Resp: 38961
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.332 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009800.D
 Acq: 01 Aug 2022 16:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 MHB-LOWER

Tgt Ion: 75 Resp: 38961
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.0 37.0 55.4#

