

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080122\
 Data File : VY009799.D
 Acq On : 01 Aug 2022 16:15
 Operator : KP/MD
 Sample : N3970-01
 Misc : 4.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MHB-UPPER

Quant Time: Aug 02 01:40:20 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)

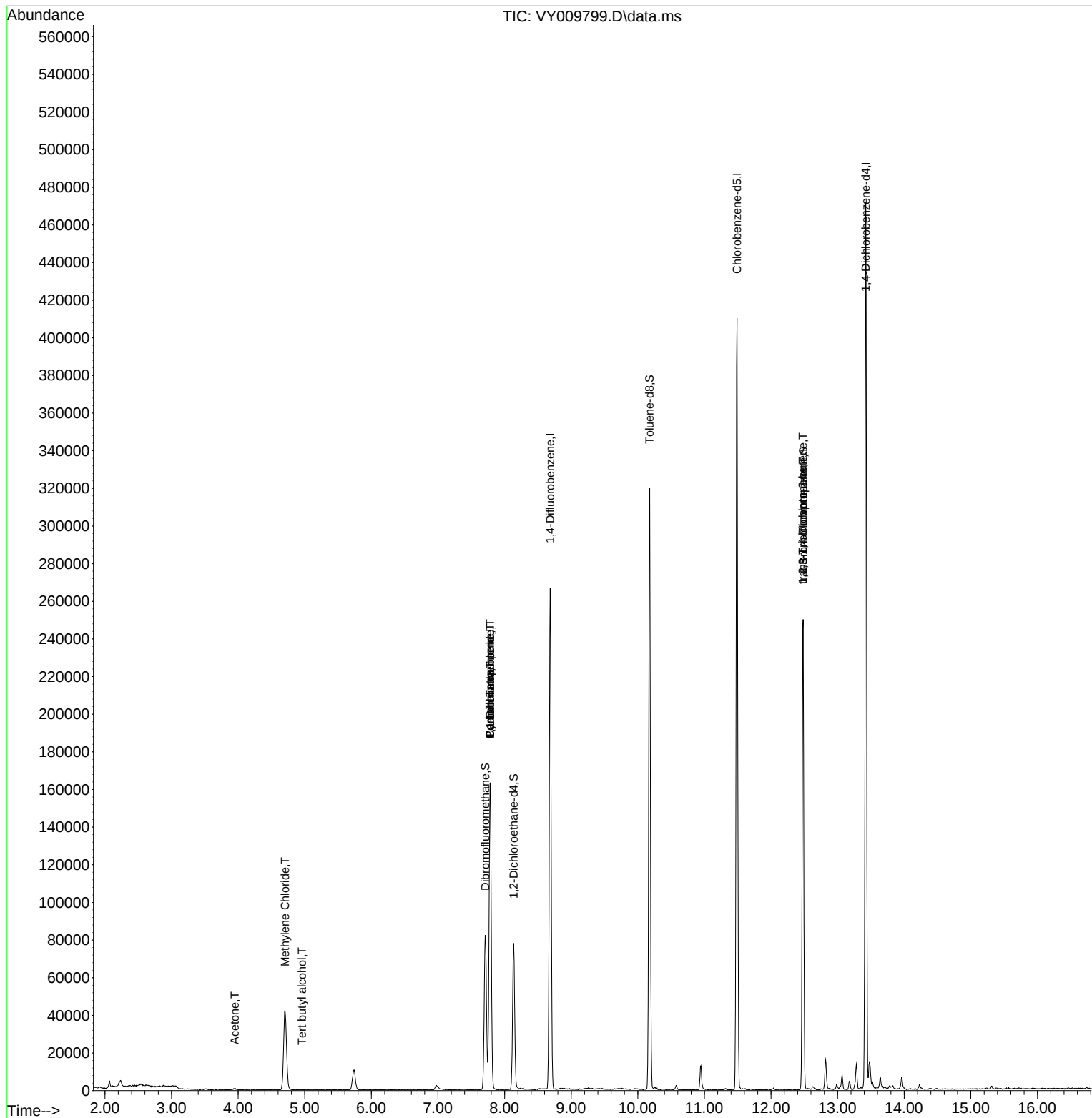
Internal Standards						
1) Pentafluorobenzene	7.783	168	137172	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	236059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	235200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	58620	65.840	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.680%
35) Dibromofluoromethane	7.710	113	58304	45.413	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.820%
50) Toluene-d8	10.179	98	213893	57.873	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	115.740%
62) 4-Bromofluorobenzene	12.483	95	71129	41.782	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	83.560%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	254	1.071	ug/l	# 77
16) Acetone	3.948	43	1179	3.595	ug/l	97
18) Methyl Acetate	4.460	43	198	Below Cal	#	56
20) Methylene Chloride	4.704	84	32822	13.845	ug/l	# 85
31) Cyclohexane	7.783	56	2501	1.146	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	9131	4.371	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	12435	5.555	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	35728	30.204	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	35728	60.205	ug/l	# 7

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

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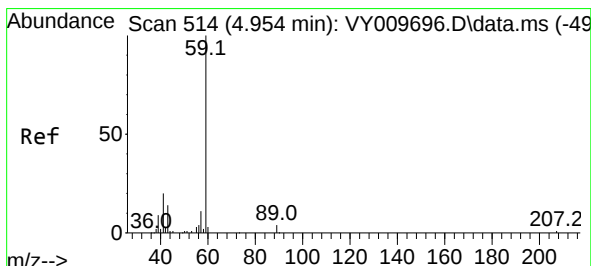
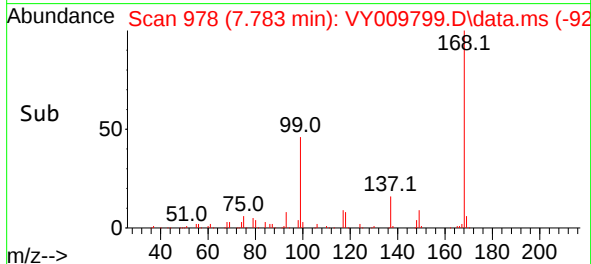
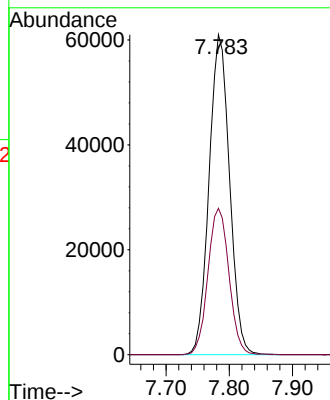
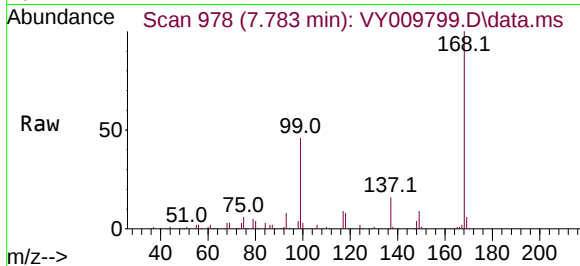




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009799.D
Acq: 01 Aug 2022 16:15

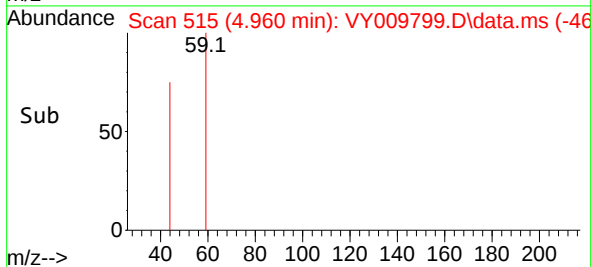
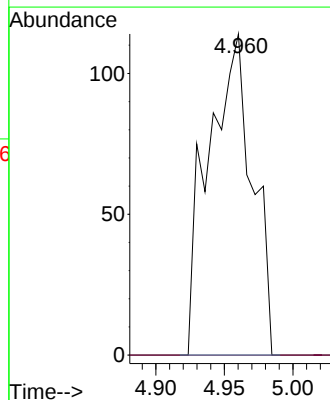
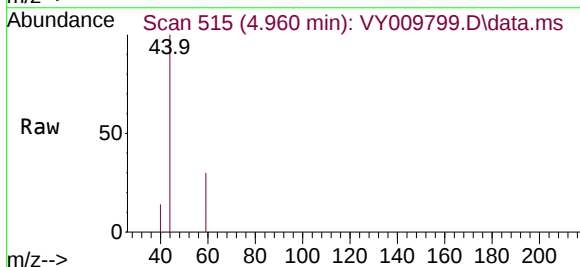
Instrument :
MSVOA_Y
ClientSampleId :
MHB-UPPER

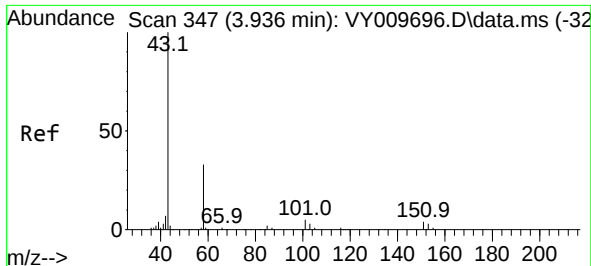
Tgt Ion:168 Resp: 137172
Ion Ratio Lower Upper
168 100
99 45.7 46.9 70.3#



#11
Tert butyl alcohol
Concen: 1.071 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY009799.D
Acq: 01 Aug 2022 16:15

Tgt Ion: 59 Resp: 254
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

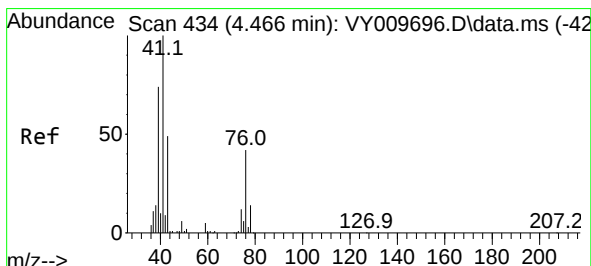
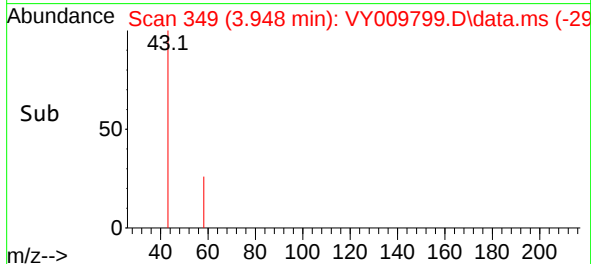
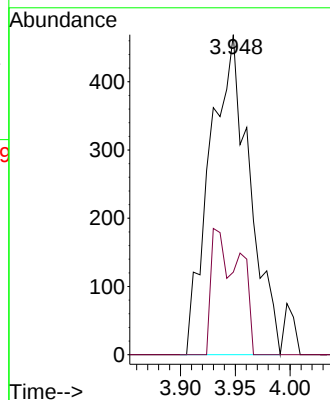
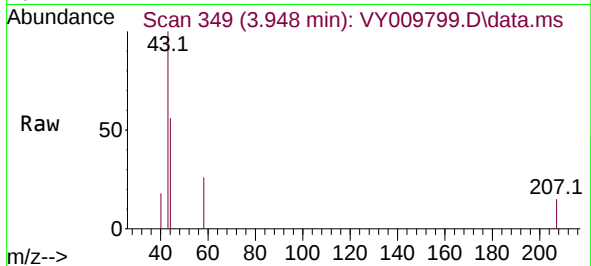




#16
Acetone
Concen: 3.595 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY009799.D
Acq: 01 Aug 2022 16:15

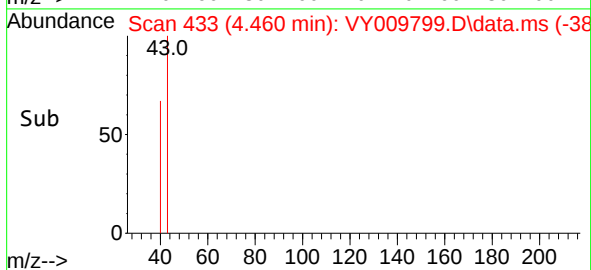
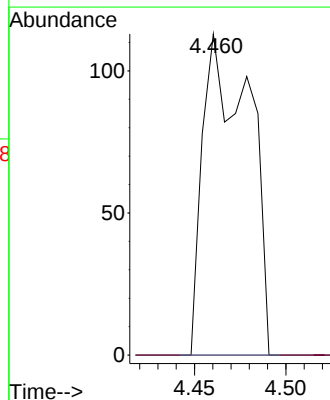
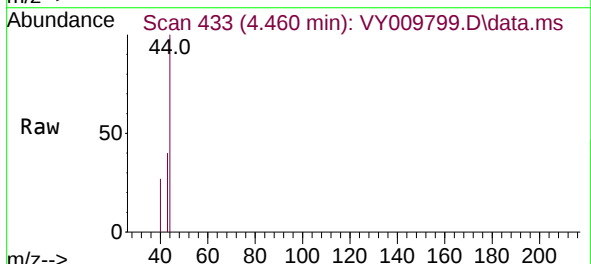
Instrument :
MSVOA_Y
ClientSampleId :
MHB-UPPER

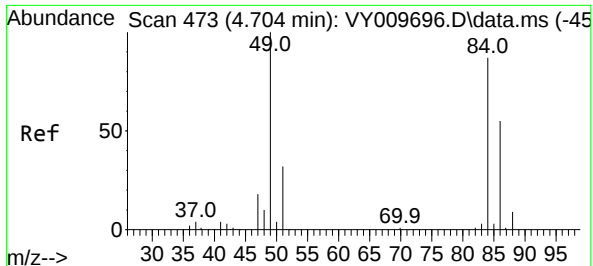
Tgt Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
58 25.8 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 433
Delta R.T. -0.006 min
Lab File: VY009799.D
Acq: 01 Aug 2022 16:15

Tgt Ion: 43 Resp: 198
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: 13.845 ug/l

RT: 4.704 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY009799.D

Acq: 01 Aug 2022 16:15

Instrument :

MSVOA_Y

ClientSampleId :

MHB-UPPER

Tgt Ion: 84 Resp: 32822

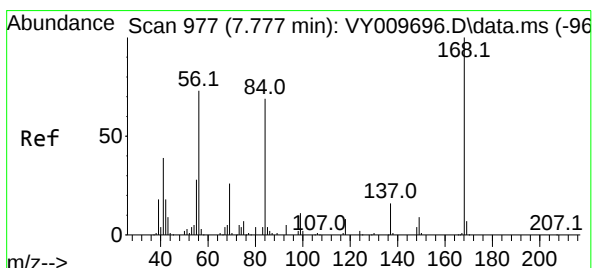
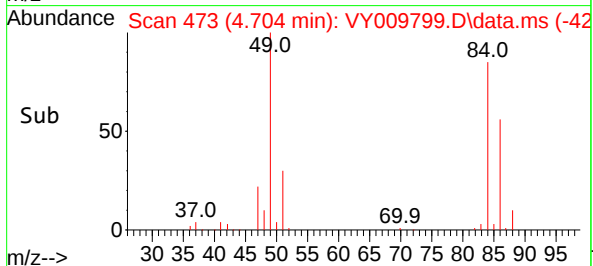
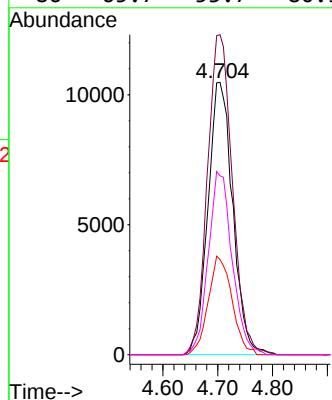
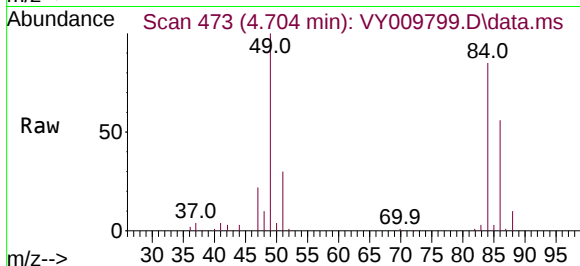
Ion Ratio Lower Upper

84 100

49 117.5 114.4 171.6

51 35.0 35.3 52.9#

86 65.7 53.7 80.5



#31

Cyclohexane

Concen: 1.146 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY009799.D

Acq: 01 Aug 2022 16:15

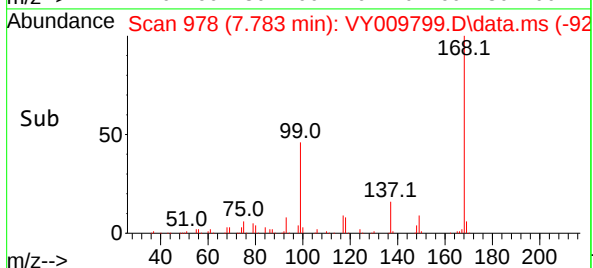
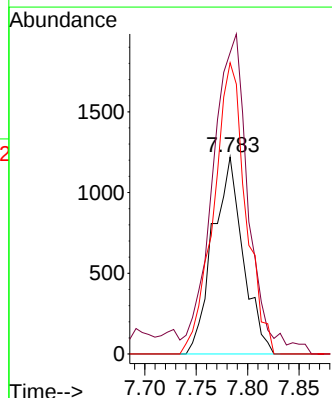
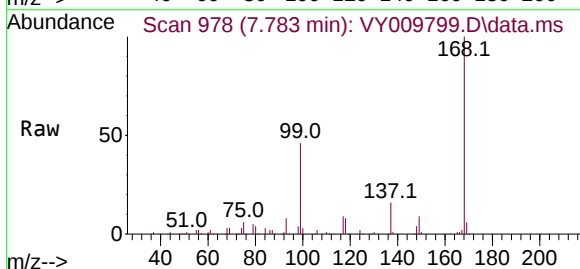
Tgt Ion: 56 Resp: 2501

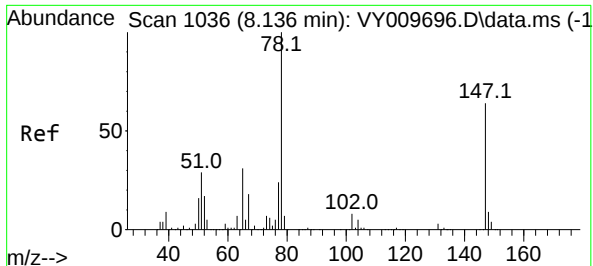
Ion Ratio Lower Upper

56 100

69 145.8 26.7 40.1#

84 147.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 65.840 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009799.D

Acq: 01 Aug 2022 16:15

Instrument :

MSVOA_Y

ClientSampleId :

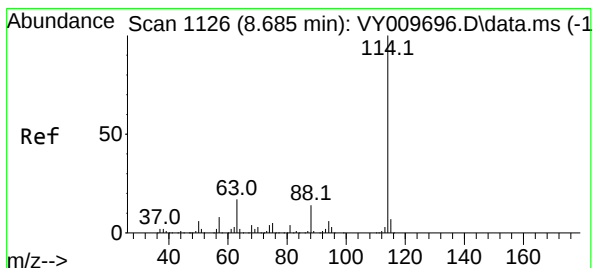
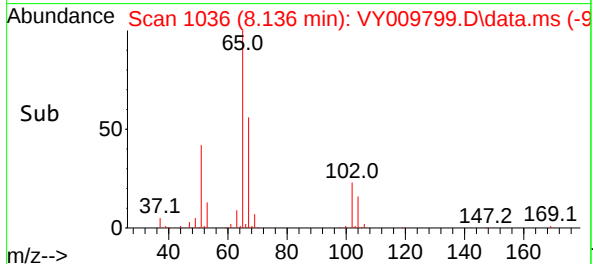
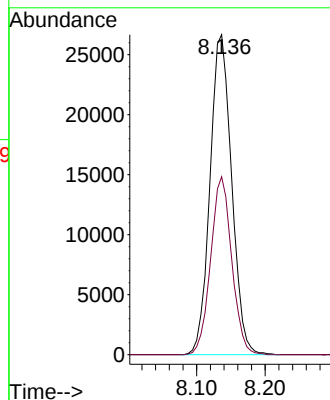
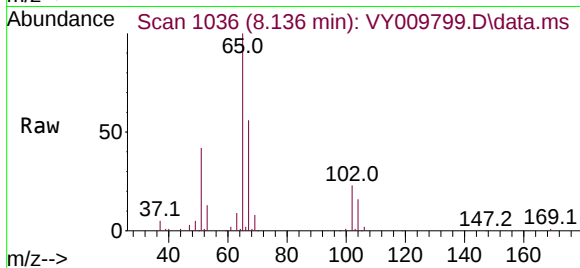
MHB-UPPER

Tgt Ion: 65 Resp: 58620

Ion Ratio Lower Upper

65 100

67 54.0 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: VY009799.D

Acq: 01 Aug 2022 16:15

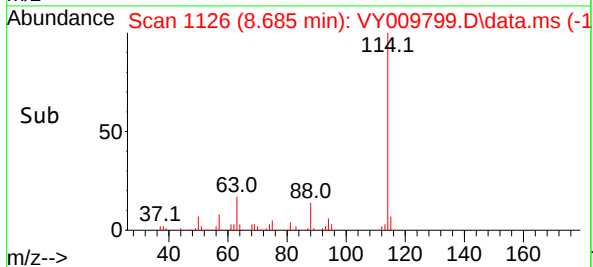
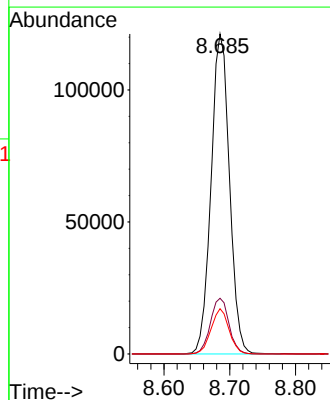
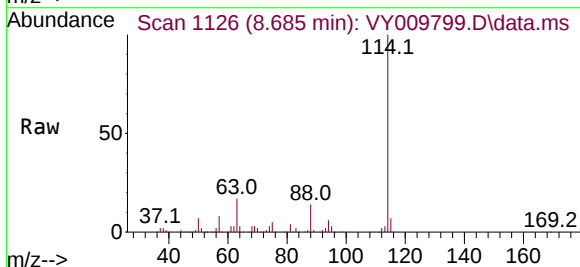
Tgt Ion:114 Resp: 236059

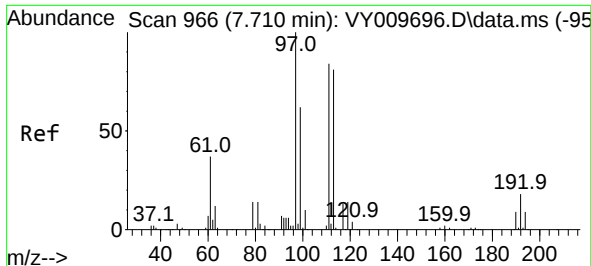
Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

88 14.1 0.0 31.8

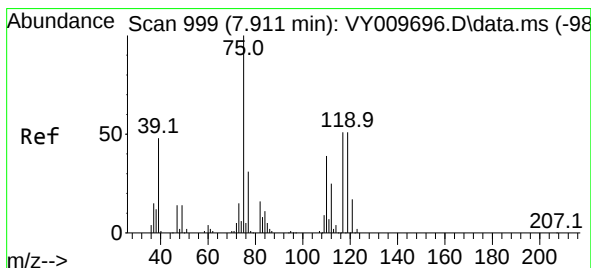
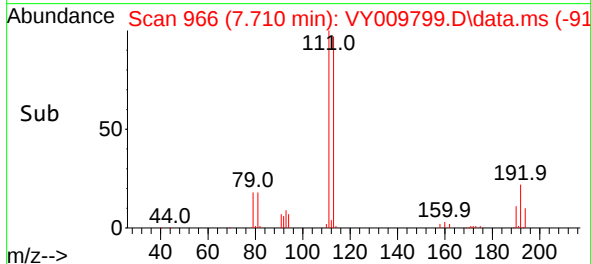
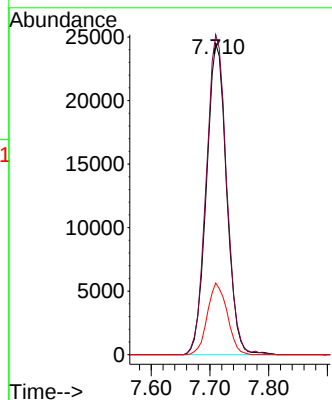
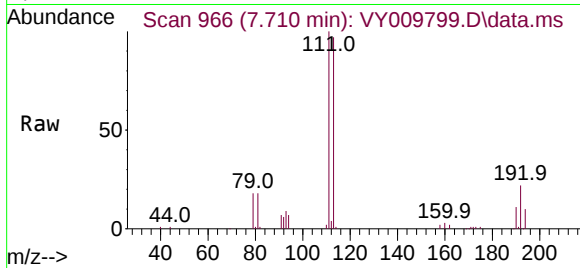




#35
Dibromofluoromethane
Concen: 45.413 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009799.D
Acq: 01 Aug 2022 16:15

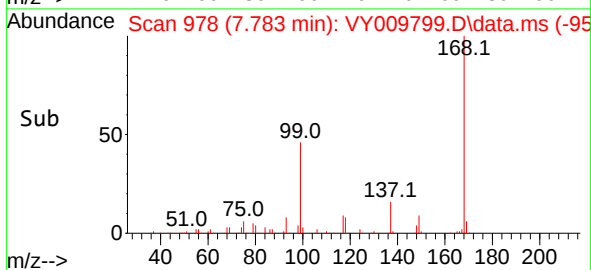
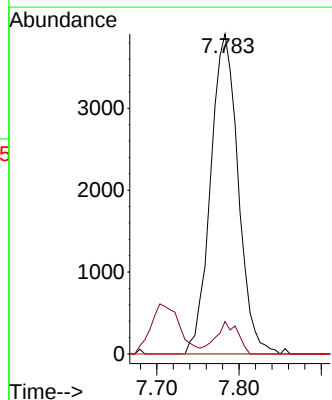
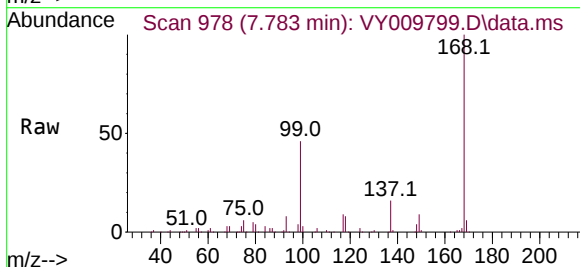
Instrument :
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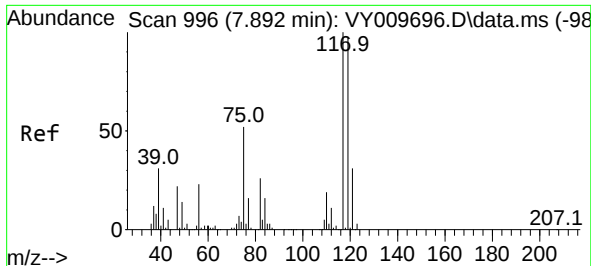
Tgt Ion:113 Resp: 58304
Ion Ratio Lower Upper
113 100
111 104.1 82.6 124.0
192 22.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.371 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009799.D
Acq: 01 Aug 2022 16:15

Tgt Ion: 75 Resp: 9131
Ion Ratio Lower Upper
75 100
110 8.1 17.1 51.2#
77 0.0 24.4 36.6#

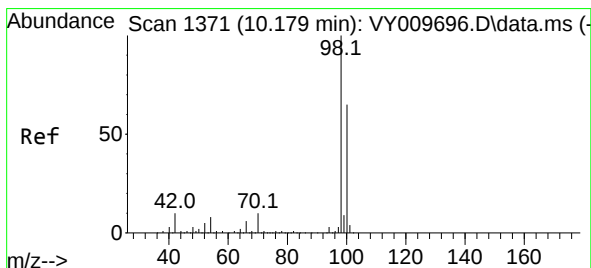
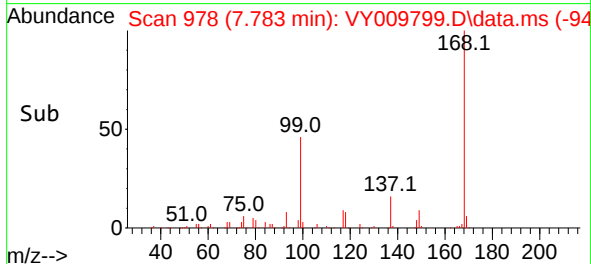
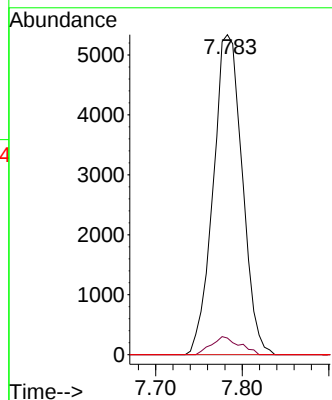
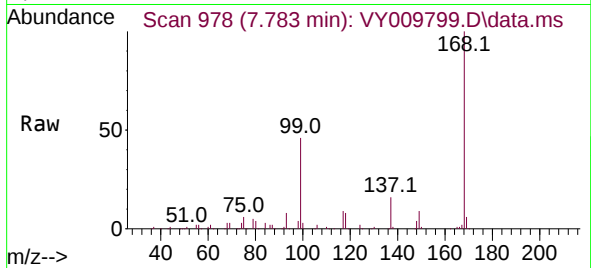




#38
Carbon Tetrachloride
Concen: 5.555 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009799.D
Acq: 01 Aug 2022 16:15

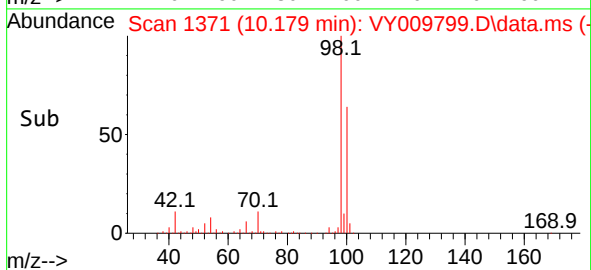
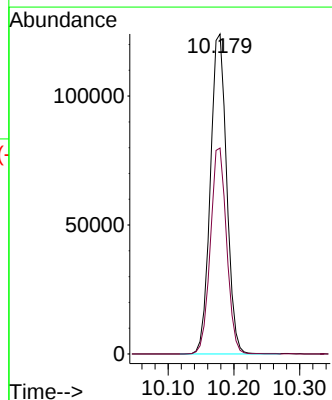
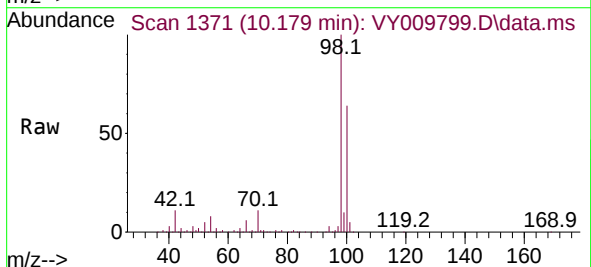
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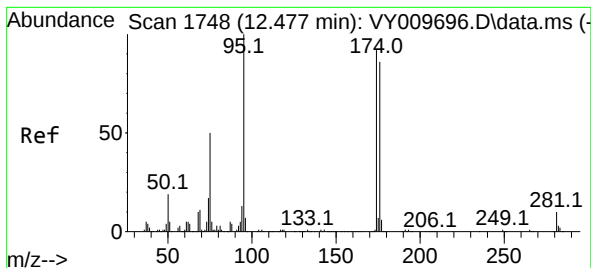
Tgt Ion:117 Resp: 12435
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 57.873 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009799.D
Acq: 01 Aug 2022 16:15

Tgt Ion: 98 Resp: 213893
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

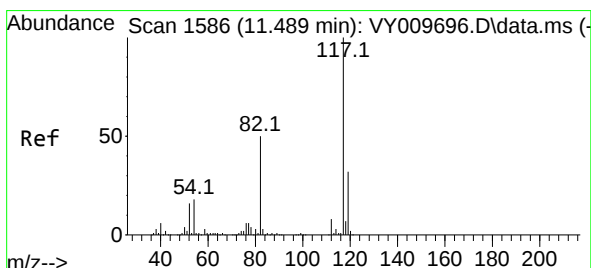
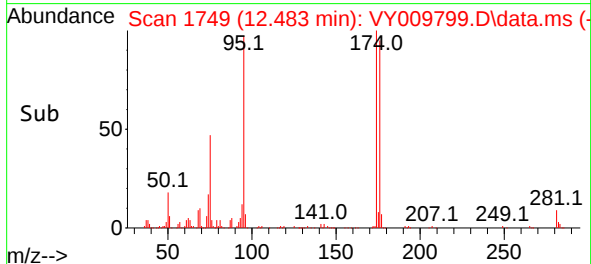
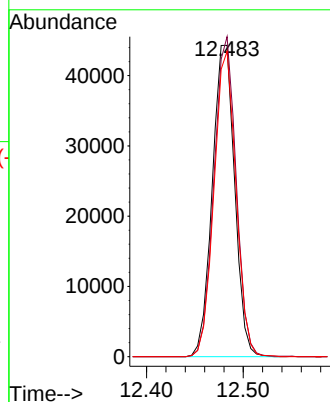
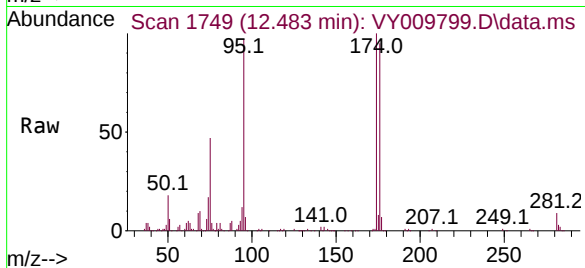




#62
4-Bromofluorobenzene
Concen: 41.782 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY009799.D
Acq: 01 Aug 2022 16:15

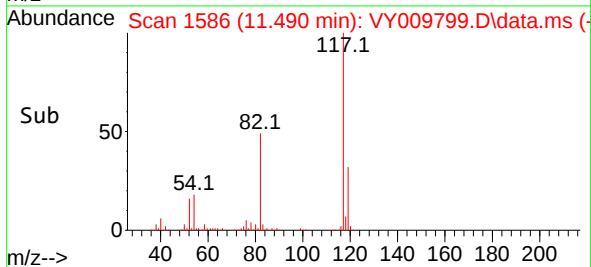
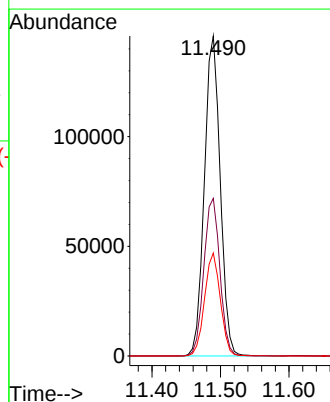
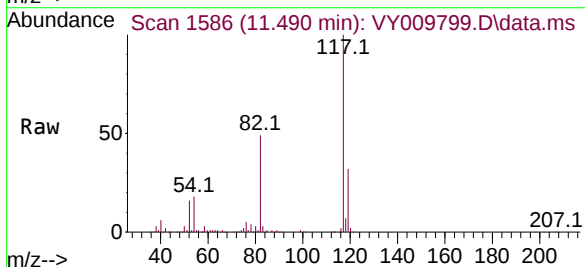
Instrument :
MSVOA_Y
ClientSampleId :
MHB-UPPER

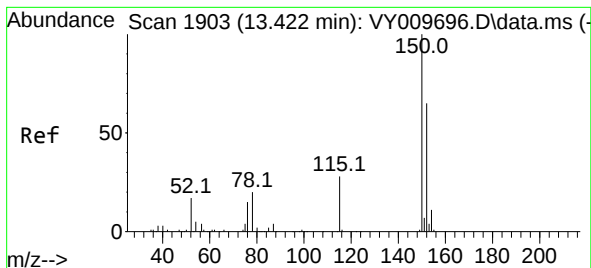
Tgt Ion: 95 Resp: 71129
Ion Ratio Lower Upper
95 100
174 101.7 0.0 177.0
176 96.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY009799.D
Acq: 01 Aug 2022 16:15

Tgt Ion: 117 Resp: 235200
Ion Ratio Lower Upper
117 100
82 49.2 43.0 64.4
119 32.2 25.4 38.0

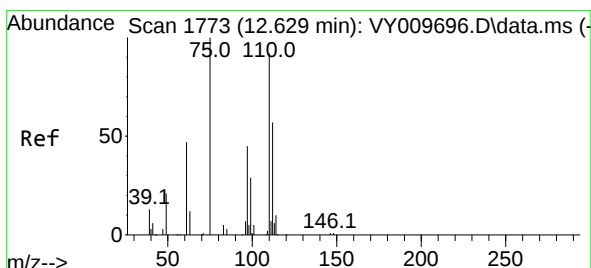
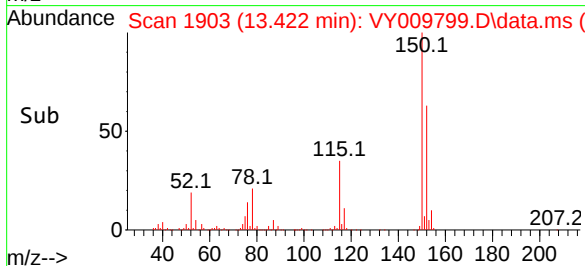
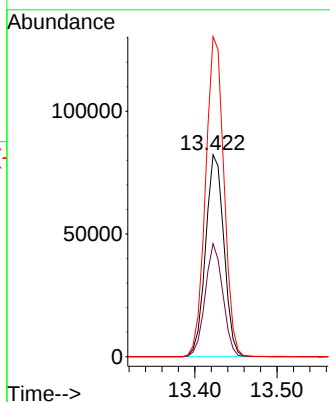
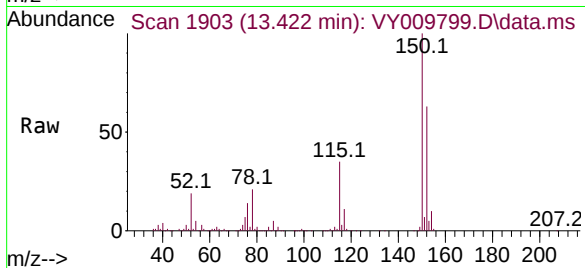




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009799.D
 Acq: 01 Aug 2022 16:15

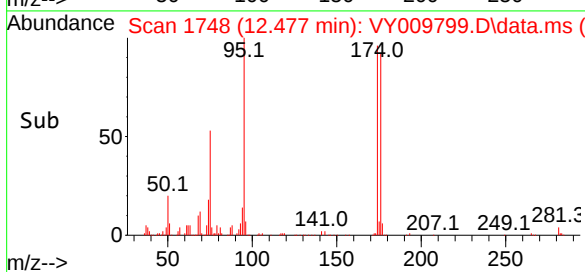
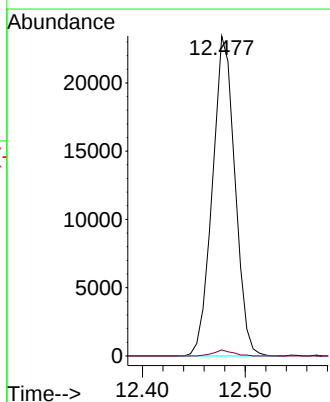
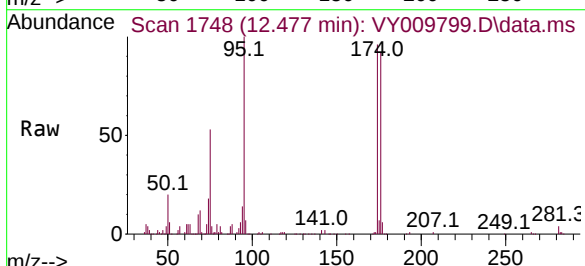
Instrument :
 MSVOA_Y
 ClientSampleId :
 MHB-UPPER

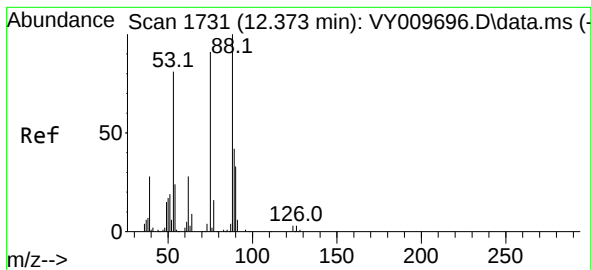
Tgt Ion:152 Resp: 127350
 Ion Ratio Lower Upper
 152 100
 115 54.0 28.2 84.7
 150 158.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 30.204 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY009799.D
 Acq: 01 Aug 2022 16:15

Tgt Ion: 75 Resp: 35728
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.205 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009799.D
 Acq: 01 Aug 2022 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 MHB-UPPER

Tgt Ion: 75 Resp: 35728
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.0 37.0 55.4#

