

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101922\
 Data File : VY011009.D
 Acq On : 19 Oct 2022 13:25
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 20 05:14:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

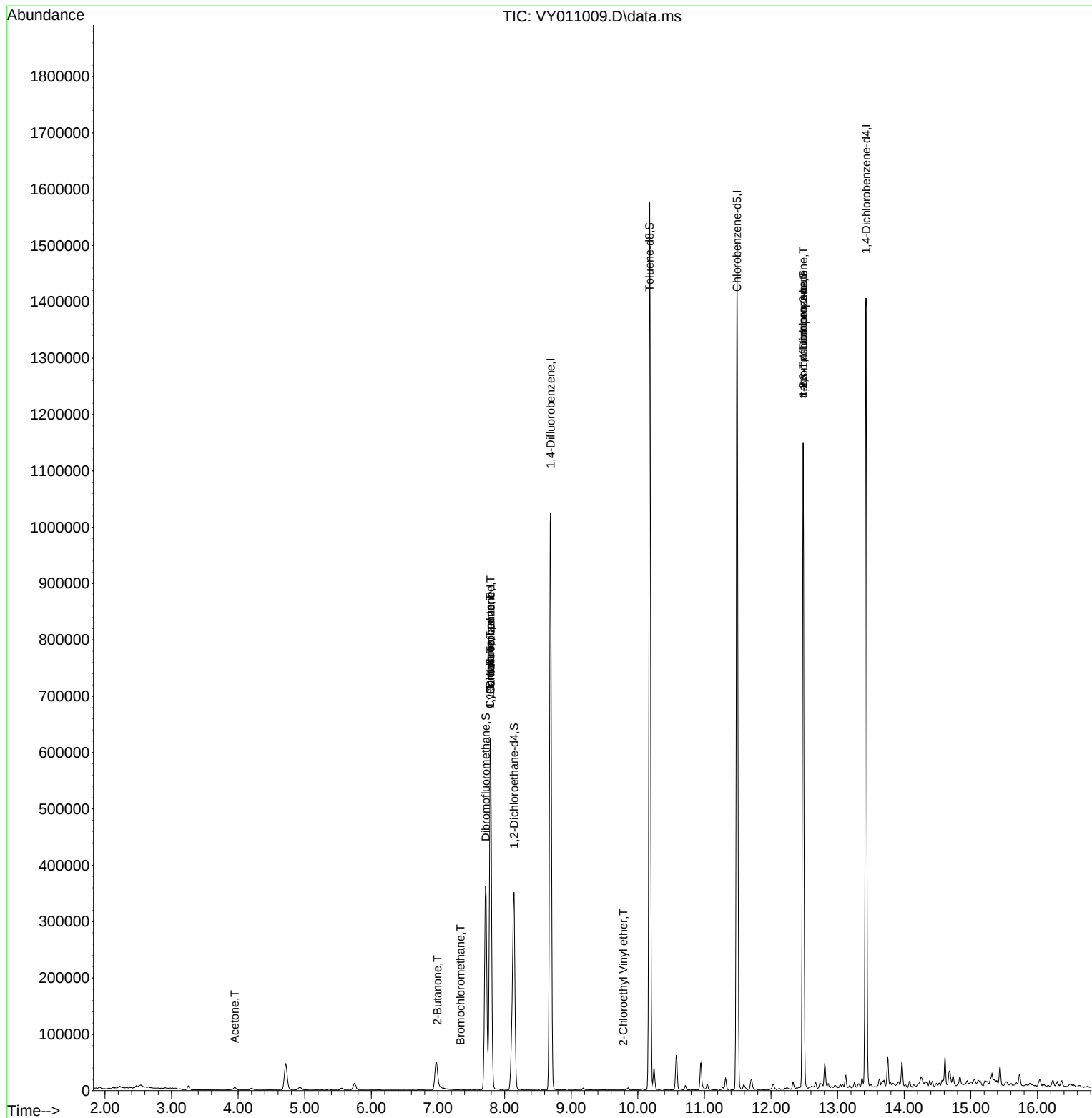
Internal Standards						
1) Pentafluorobenzene	7.789	168	494664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	899307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	808510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	372904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	238627	52.370	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.740%	
35) Dibromofluoromethane	7.716	113	264123	52.809	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.620%	
50) Toluene-d8	10.179	98	1014258	54.014	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.020%	
62) 4-Bromofluorobenzene	12.483	95	346277	52.194	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.380%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	5292	Below Cal	#	77
16) Acetone	3.948	43	8597	6.497	ug/l	97
18) Methyl Acetate	4.485	43	1063	Below Cal		98
20) Methylene Chloride	4.716	84	36256	Below Cal		84
25) 2-Butanone	6.990	43	3569	1.779	ug/l	97
28) Bromochloromethane	7.338	49	19	3.526	ug/l	# 16
31) Cyclohexane	7.783	56	10317	1.183	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	36839	4.400	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	47877	5.540	ug/l	# 15
58) 2-Chloroethyl Vinyl ether	9.782	63	23	16.967	ug/l	# 1
76) 1,2,3-Trichloropropane	12.483	75	174629	41.248	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	174629	88.713	ug/l	# 7

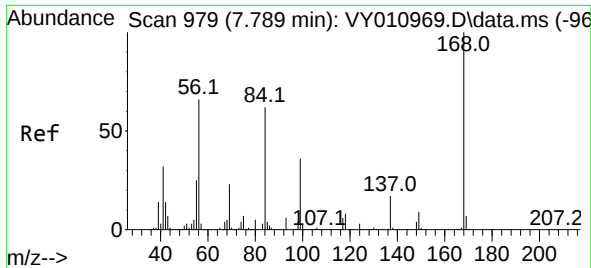
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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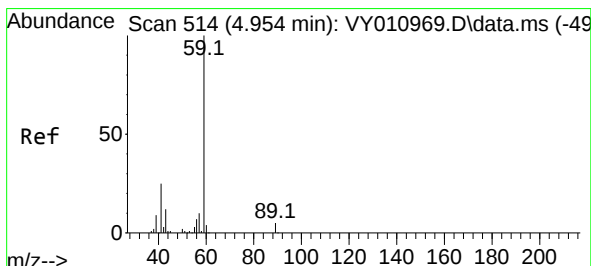
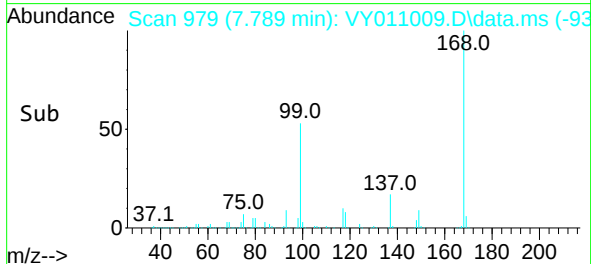
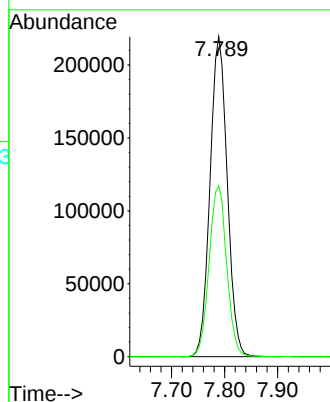
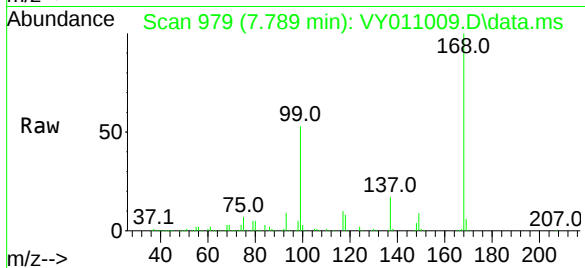




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011009.D
Acq: 19 Oct 2022 13:25

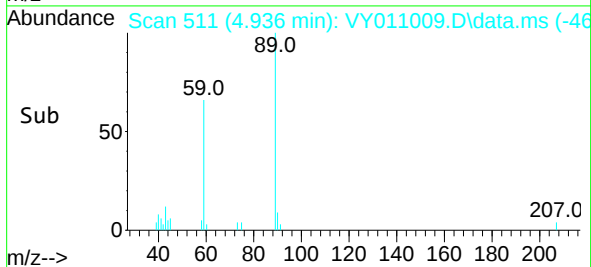
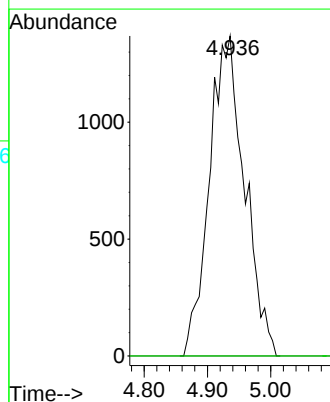
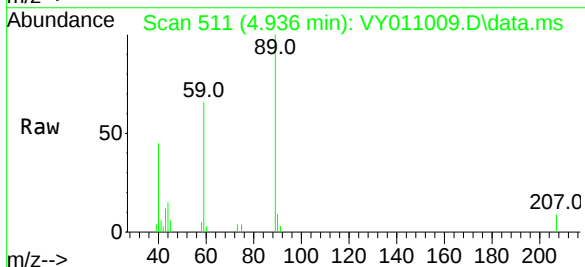
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

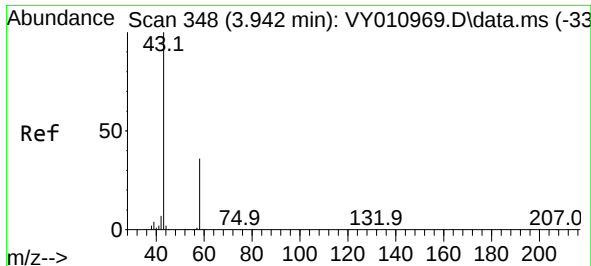
Tgt Ion:168 Resp: 494664
Ion Ratio Lower Upper
168 100
99 53.4 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY011009.D
Acq: 19 Oct 2022 13:25

Tgt Ion: 59 Resp: 5292
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

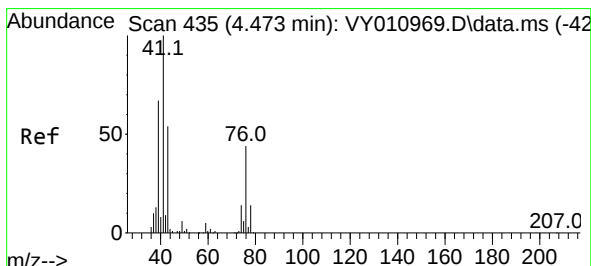
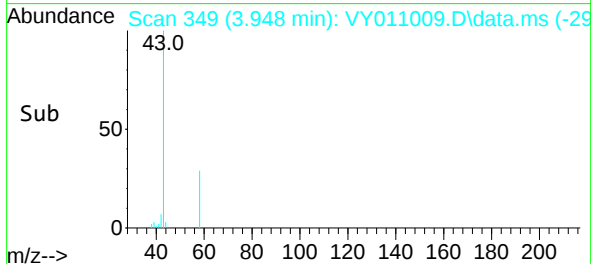
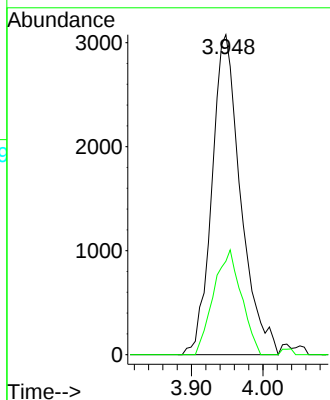
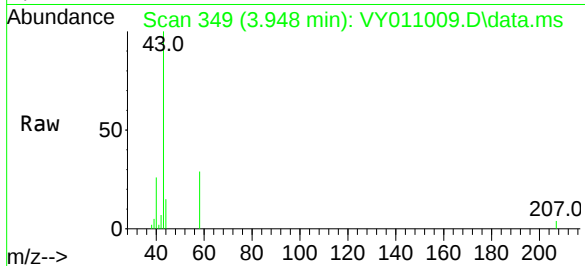




#16
Acetone
Concen: 6.497 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY011009.D
Acq: 19 Oct 2022 13:25

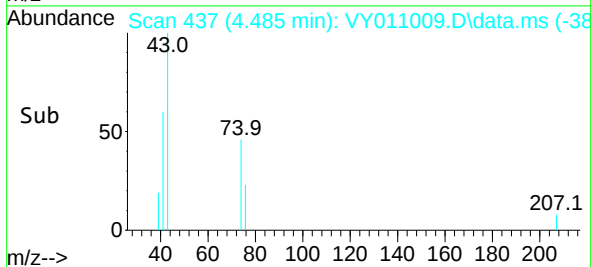
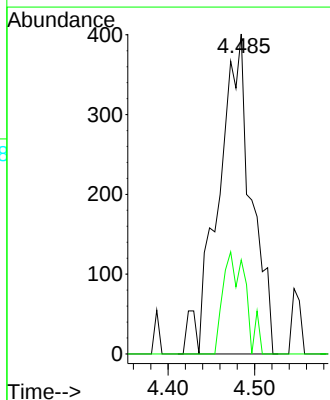
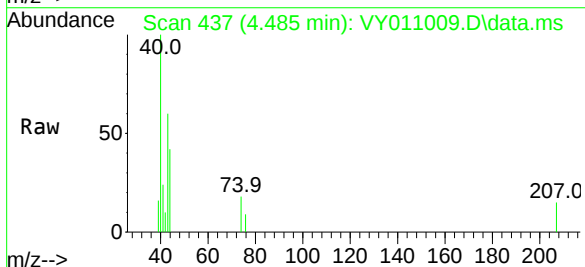
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

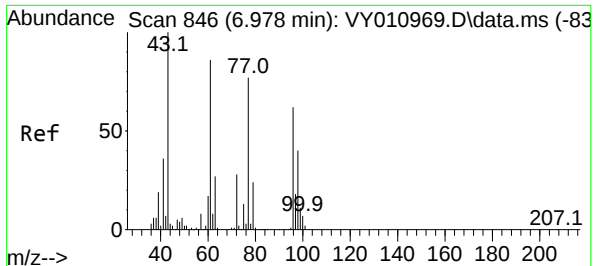
Tgt Ion: 43 Resp: 8597
Ion Ratio Lower Upper
43 100
58 29.2 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY011009.D
Acq: 19 Oct 2022 13:25

Tgt Ion: 43 Resp: 1063
Ion Ratio Lower Upper
43 100
74 21.7 16.6 24.8

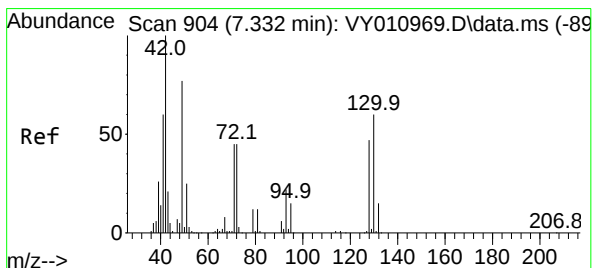
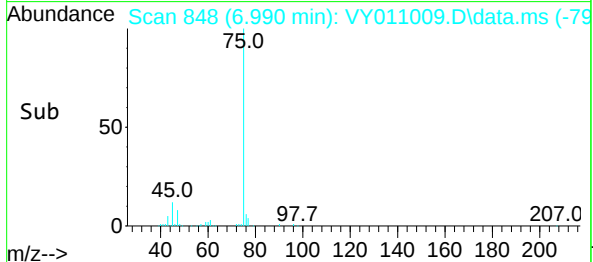
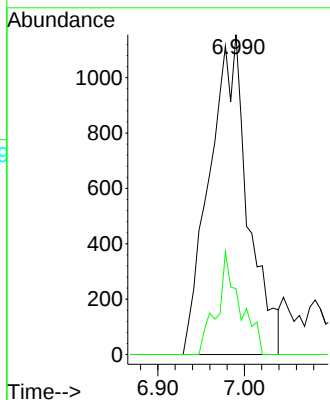
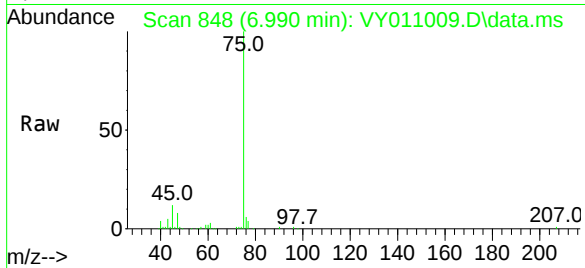




#25
2-Butanone
Concen: 1.779 ug/l
RT: 6.990 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY011009.D
Acq: 19 Oct 2022 13:25

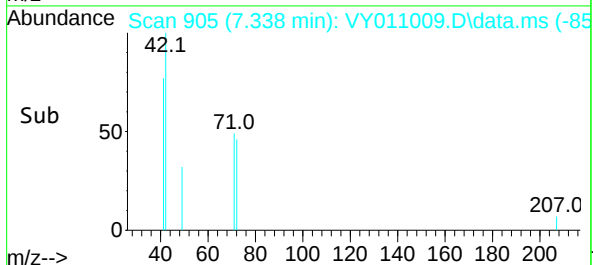
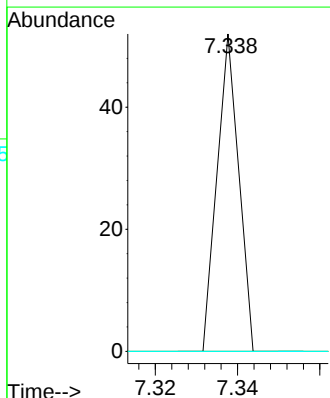
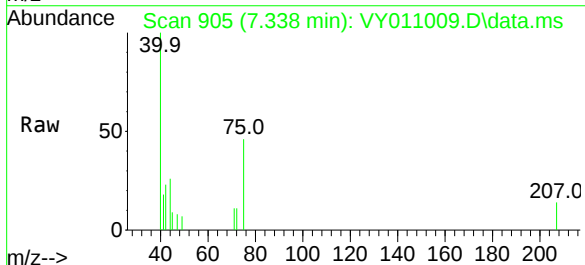
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

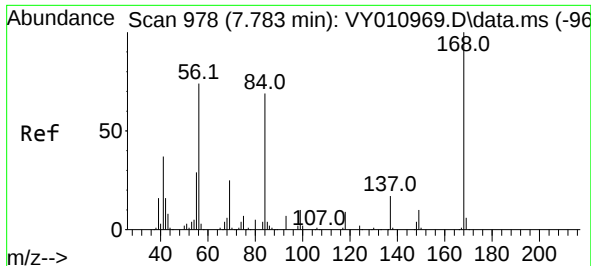
Tgt Ion: 43 Resp: 3569
Ion Ratio Lower Upper
43 100
72 20.6 17.7 26.5



#28
Bromochloromethane
Concen: 3.526 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.006 min
Lab File: VY011009.D
Acq: 19 Oct 2022 13:25

Tgt Ion: 49 Resp: 19
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 55.4 83.0#

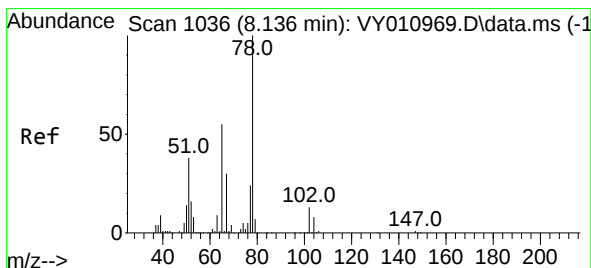
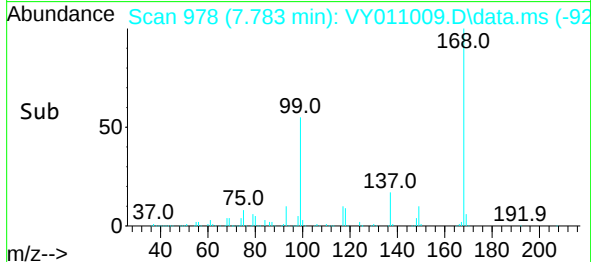
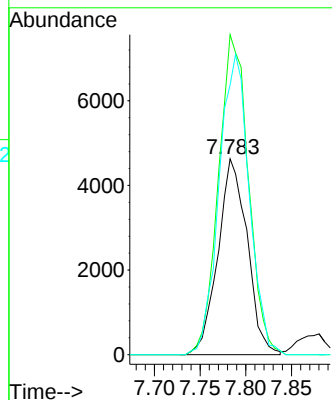
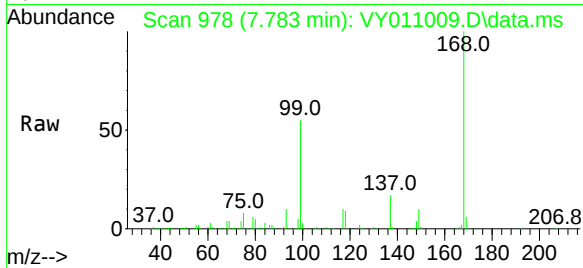




#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011009.D
Acq: 19 Oct 2022 13:25

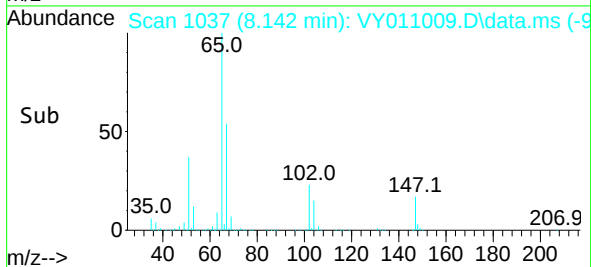
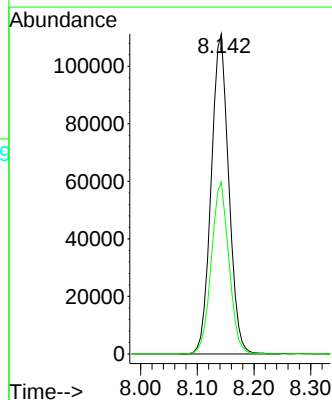
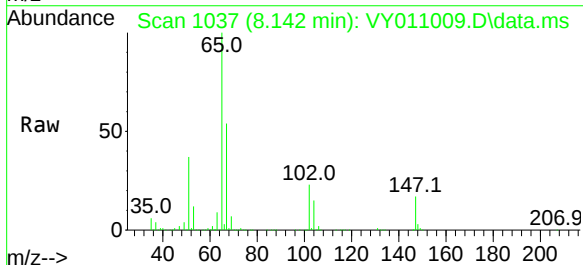
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

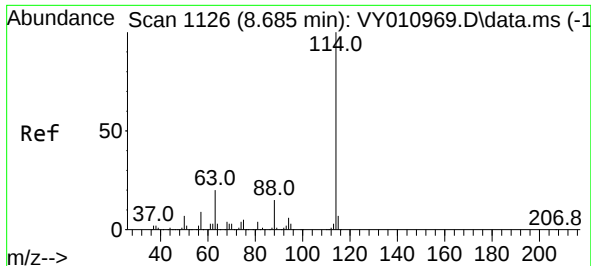
Tgt Ion: 56 Resp: 10317
Ion Ratio Lower Upper
56 100
69 163.4 26.7 40.1#
84 137.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.370 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY011009.D
Acq: 19 Oct 2022 13:25

Tgt Ion: 65 Resp: 238627
Ion Ratio Lower Upper
65 100
67 54.1 0.0 99.4

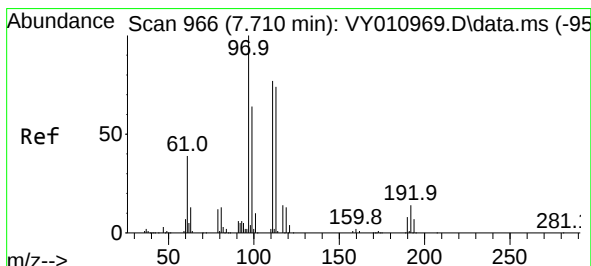
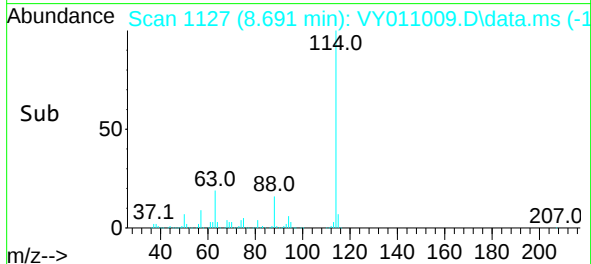
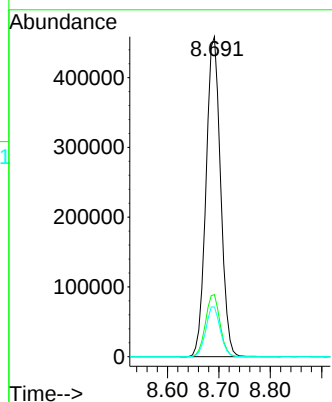
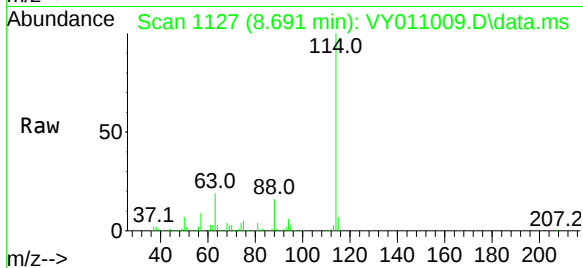




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY011009.D
Acq: 19 Oct 2022 13:25

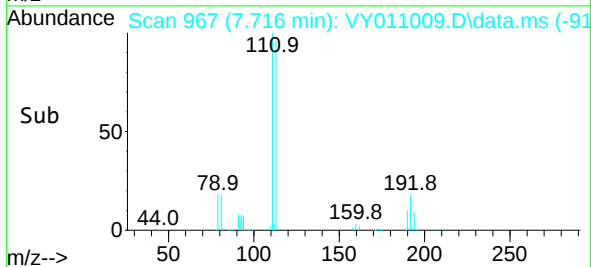
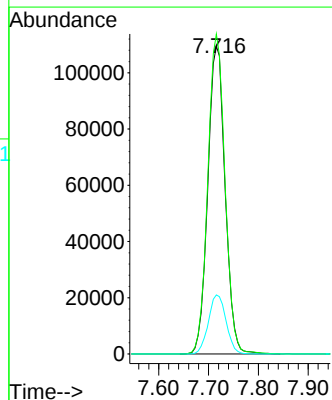
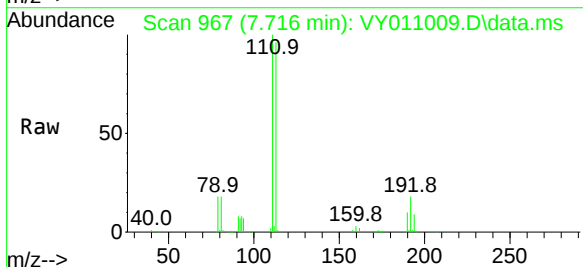
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

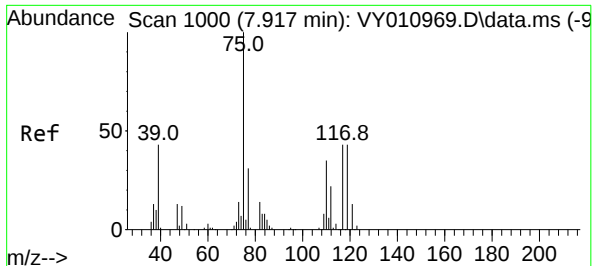
Tgt Ion:114 Resp: 899307
Ion Ratio Lower Upper
114 100
63 19.4 0.0 43.2
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.809 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY011009.D
Acq: 19 Oct 2022 13:25

Tgt Ion:113 Resp: 264123
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 19.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.400 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011009.D

Acq: 19 Oct 2022 13:25

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

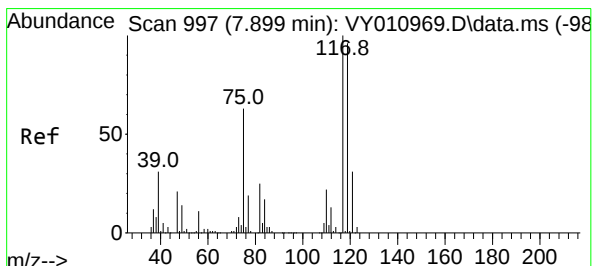
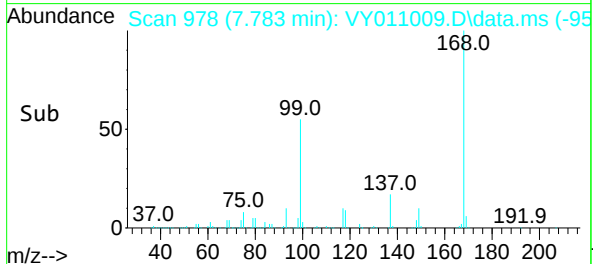
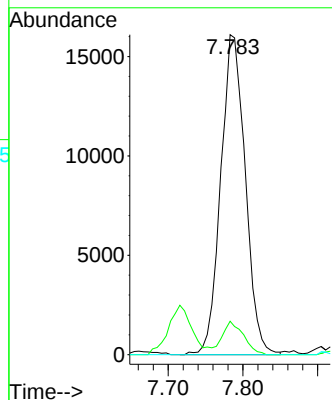
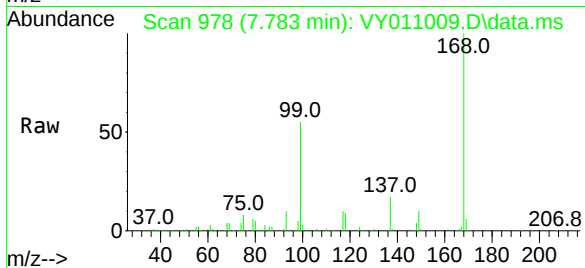
Tgt Ion: 75 Resp: 36839

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.540 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011009.D

Acq: 19 Oct 2022 13:25

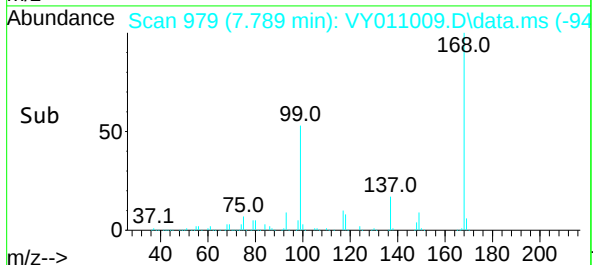
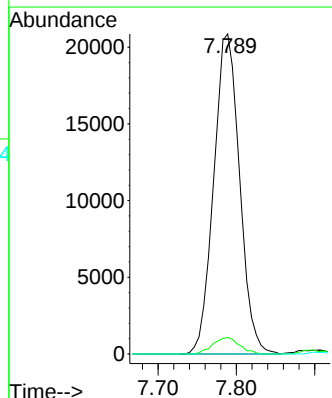
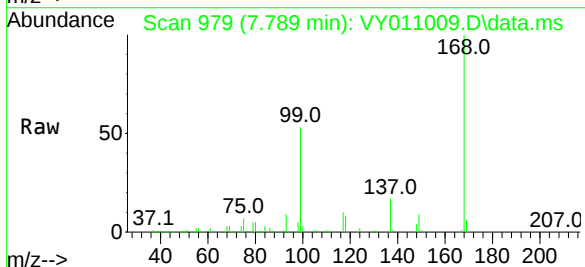
Tgt Ion: 117 Resp: 47877

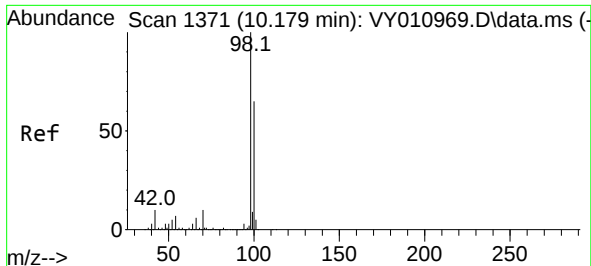
Ion Ratio Lower Upper

117 100

119 5.2 77.9 116.9#

121 0.0 24.8 37.2#

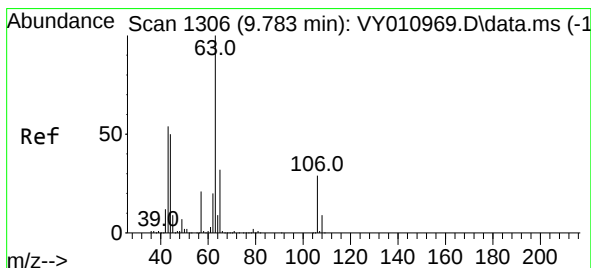
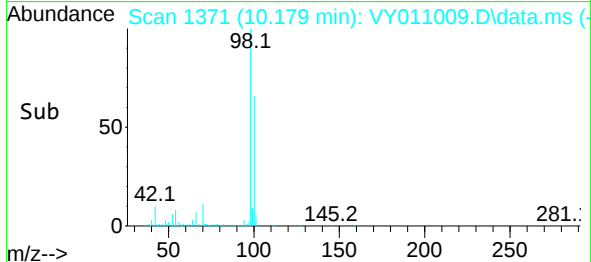
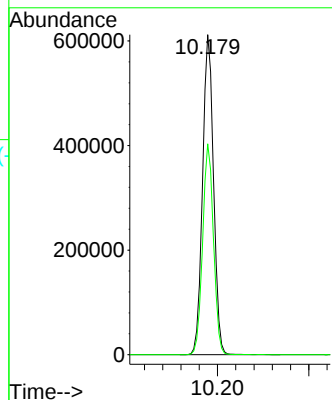
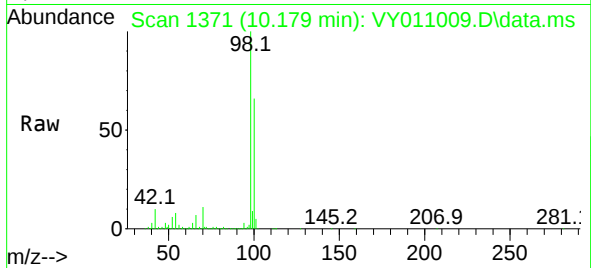




#50
Toluene-d8
Concen: 54.014 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011009.D
Acq: 19 Oct 2022 13:25

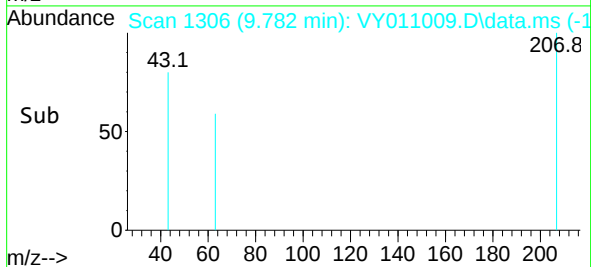
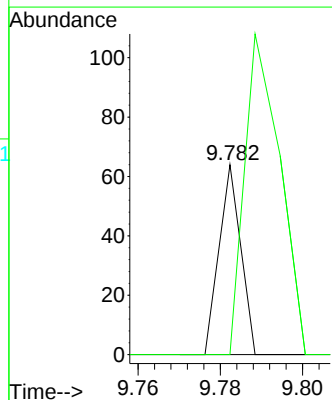
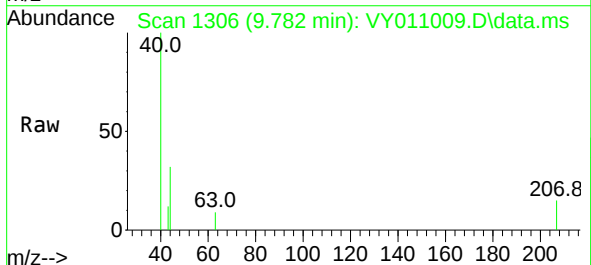
Instrument :
MSVOA_Y
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VIBLK

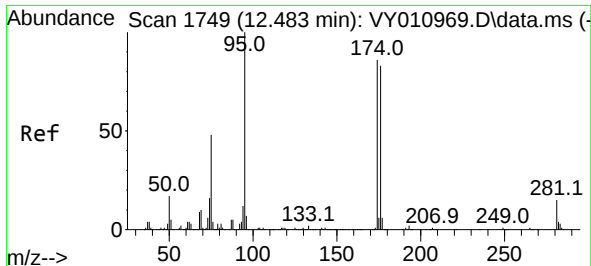
Tgt Ion: 98 Resp: 1014258
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: 16.967 ug/l
RT: 9.782 min Scan# 1306
Delta R.T. -0.001 min
Lab File: VY011009.D
Acq: 19 Oct 2022 13:25

Tgt Ion: 63 Resp: 23
Ion Ratio Lower Upper
63 100
106 278.3 21.5 32.3





#62

4-Bromofluorobenzene

Concen: 52.194 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY011009.D

Acq: 19 Oct 2022 13:25

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

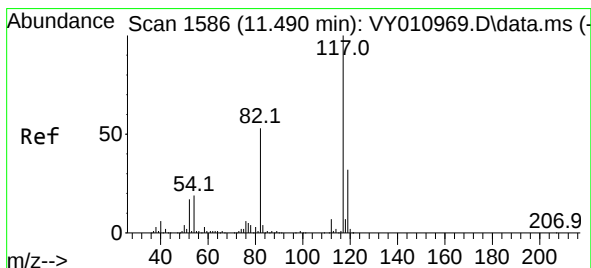
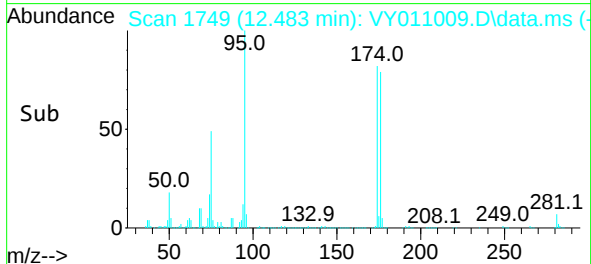
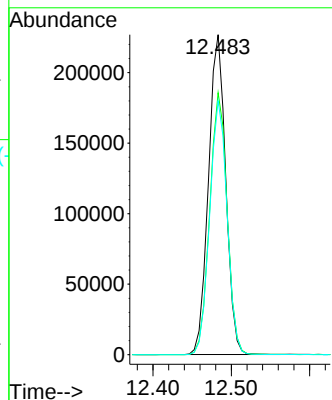
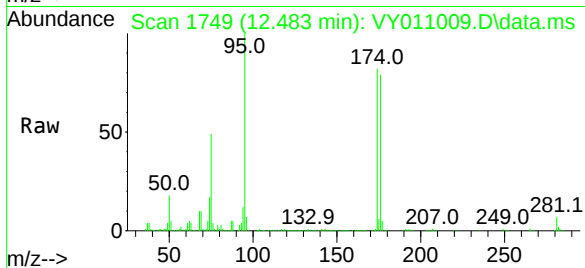
Tgt Ion: 95 Resp: 346277

Ion Ratio Lower Upper

95 100

174 82.6 0.0 177.0

176 80.2 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY011009.D

Acq: 19 Oct 2022 13:25

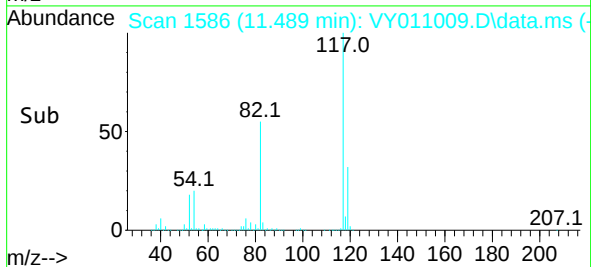
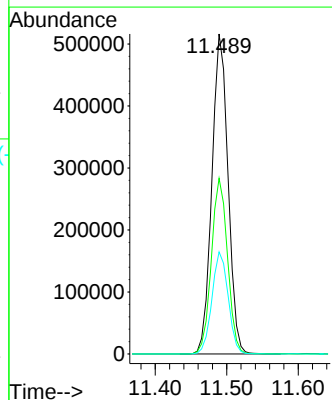
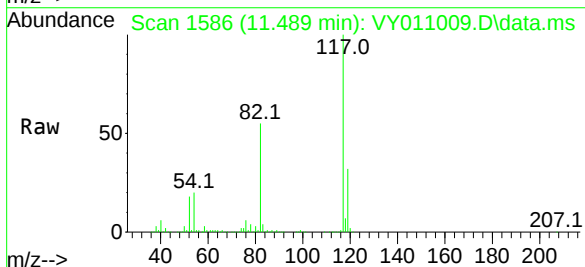
Tgt Ion: 117 Resp: 808510

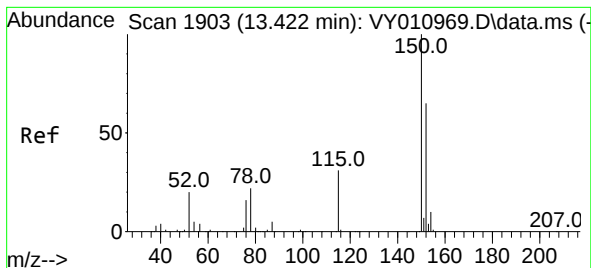
Ion Ratio Lower Upper

117 100

82 54.9 43.0 64.4

119 31.9 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: VY011009.D

Acq: 19 Oct 2022 13:25

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

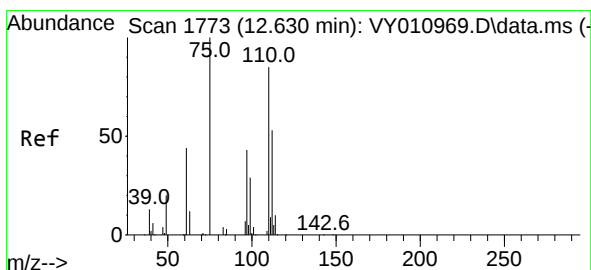
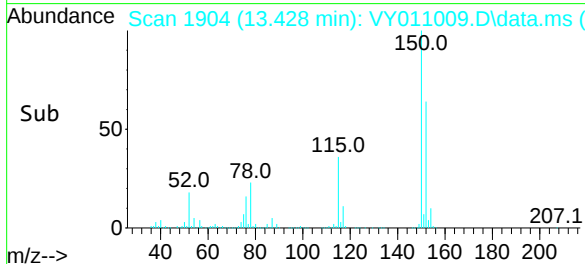
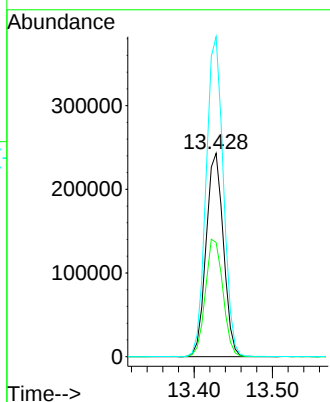
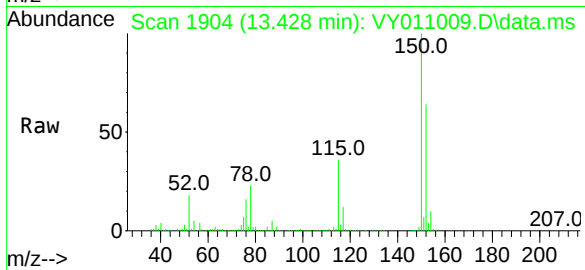
Tgt Ion:152 Resp: 372904

Ion Ratio Lower Upper

152 100

115 58.2 28.2 84.7

150 156.2 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 41.248 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY011009.D

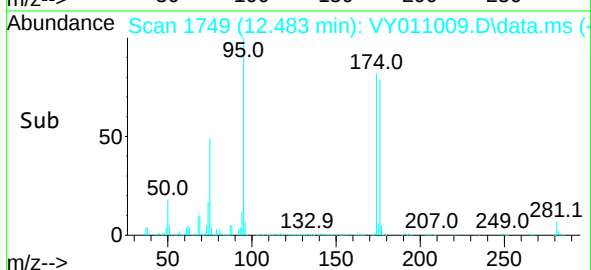
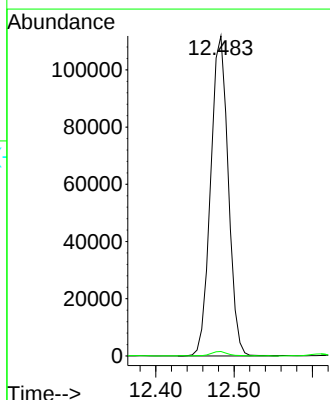
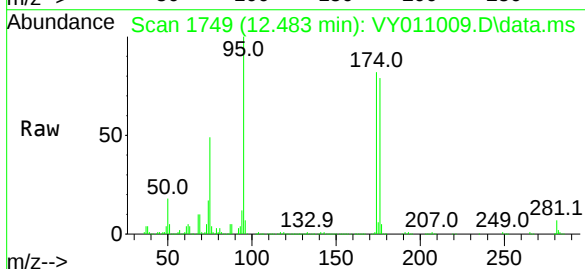
Acq: 19 Oct 2022 13:25

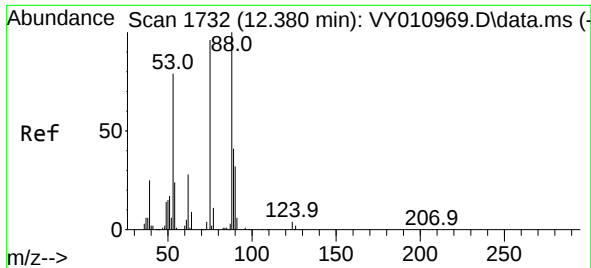
Tgt Ion: 75 Resp: 174629

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.713 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY011009.D
 Acq: 19 Oct 2022 13:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 174629
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.0 37.0 55.4#

